

chr	start	end	maximum	p53 Height	p53 Area	IgG	Ratio p53/IgG	P-Value	Gene Symbol	Ensemble name
1	557268	557602	557435	13	13	28	0.462921438	0.99326		ENSG00000209350
1	559616	559955	559788	39	39	57	0.66131634	0.979222		ENSG00000212678
1	1143125	1143357	1143241	10	10	0	10.54799562	0.000613541	TNFRSF4	ENSG00000186827
1	1176208	1176524	1176347	15	18	3	4.554816292	0.000599415	FAM132A	ENSG00000184163
1	1324858	1325040	1324966	8	8	1	4.315089119	0.0127267		ENSG00000221978
1	1828729	1829056	1828885	17	21	1	10.54799562	4.43E-06	CALML6	ENSG00000169885
1	4302971	4303155	4303050	8	8	0	8.630178238	0.00235436		ENSG00000220404
1	5043738	5044008	5043857	14	16	0	16.30144778	1.09E-05	AJAP1	ENSG00000196581
1	5580746	5580936	5580854	8	8	0	8.630178238	0.00235436		ENSG00000216045
1	6056847	6057217	6057025	23	29	1	14.3836304	2.72E-08	KCNAB2	ENSG00000069424
1	6144561	6144877	6144719	8	9	0	9.589086931	0.00120187	CHD5	ENSG00000116254
1	6396968	6397646	6397318	71	109	0	105.4799562	7.56E-33	HES2	ENSG00000069812
1	6469179	6469382	6469280	8	8	1	4.315089119	0.0127267	PLEKHG5	ENSG00000171680
1	8000192	8000541	8000363	8	12	3	3.116453252	0.0131971	ERRFI1	ENSG00000116285
1	8053065	8053297	8053185	8	8	2	2.876726079	0.0381137		ENSG00000219182
1	8164899	8165361	8165169	10	19	2	6.39272462	8.83E-05		ENSG00000217234
1	8653347	8653620	8653451	8	10	2	3.515998541	0.0136204		ENSG00000218821
1	9164032	9165175	9164816	89	185	5	29.72616948	2.81E-47		ENSG00000207865
1	9411568	9411762	9411665	8	9	5	1.598181155	0.170911		ENSG00000209395
1	10065787	10066055	10065921	14	16	0	16.30144778	1.09E-05	UBE4B	ENSG00000130939
1	10726836	10727155	10726995	25	27	0	26.84944341	6.66E-09	CASZ1	ENSG00000130940
1	10727204	10727555	10727379	31	34	0	33.56180426	6.02E-11	CASZ1	ENSG00000130940
1	10892478	10892707	10892592	9	10	2	3.515998541	0.0136204		ENSG00000217499
1	11541674	11542203	11542016	22	37	0	36.43853034	8.01E-12	PTCHD2	ENSG00000204624
1	11962512	11962697	11962604	8	8	0	8.630178238	0.00235436	MFN2	ENSG00000116688
1	11964346	11964693	11964494	11	15	1	7.671269544	0.000187863	MFN2	ENSG00000116688
1	12189765	12190146	12189943	28	34	0	33.56180426	6.02E-11		ENSG00000219226
1	12600896	12601404	12601107	25	42	1	20.6165369	6.12E-12	DHRS3	ENSG00000162496
1	12623193	12623424	12623316	13	14	0	14.3836304	4.17E-05	AADA4L4	ENSG00000204518
1	14932185	14932506	14932347	17	22	1	11.02744997	2.36E-06		ENSG00000203390
1	15106529	15106882	15106705	21	26	0	25.89053471	1.31E-08		ENSG00000189337
1	15245529	15245902	15245705	24	31	0	30.68507818	4.52E-10		ENSG00000189337

1	16351503	16351782	16351642	10	12	2	4.155271003	0.0046638	EPHA2	ENSG00000142627
1	16383722	16384071	16383896	27	33	1	16.30144778	2.08E-09	ARHGEF19	ENSG00000142632
1	16758730	16759374	16758980	37	56	0	54.6577955	2.27E-17		ENSG00000209524
1	16811697	16811946	16811800	12	15	7	1.917817386	0.0572317	NBPF1	ENSG00000179571
1	16816540	16816765	16816652	8	8	4	1.726035648	0.150596	NBPF1	ENSG00000179571
1	16820093	16820465	16820230	18	23	6	3.287686948	0.00104919	NBPF1	ENSG00000179571
1	16926376	16926729	16926552	11	16	6	2.328778255	0.0221113		ENSG00000209530
1	17432983	17433162	17433018	8	8	1	4.315089119	0.0127267	PADI3	ENSG00000142619
1	17497155	17497336	17497223	8	8	1	4.315089119	0.0127267	PADI4	ENSG00000159339
1	17503691	17503895	17503793	9	10	1	5.273997812	0.00391723	PADI4	ENSG00000159339
1	17508804	17509157	17508980	23	29	2	9.589086931	2.21E-07	PADI4	ENSG00000159339
1	17611330	17611549	17611450	10	12	1	6.232906505	0.00117736	RCC2	ENSG00000179051
1	17781042	17781288	17781217	8	10	1	5.273997812	0.00391723	ARHGEF10	ENSG00000074964
1	18156890	18157318	18157158	12	20	3	5.034270639	0.000202317	ACTL8	ENSG00000117148
1	18392100	18392321	18392210	12	13	0	13.4247217	8.16E-05	IGSF21	ENSG00000117154
1	18867872	18868179	18868024	17	19	4	3.835634772	0.00108365	PAX7	ENSG00000009709
1	19197352	19197729	19197564	21	26	1	12.94526736	1.86E-07	IFFO2	ENSG00000169991
1	20332745	20333097	20332921	11	16	0	16.30144778	1.09E-05	PLA2G2F	ENSG00000158786
1	20693017	20693212	20693115	8	9	1	4.794543465	0.00708517	CAMK2N1	ENSG00000162545
1	21082878	21083206	21083035	14	17	0	17.26035648	5.54E-06	EIF4G3	ENSG00000075151
1	21484440	21484620	21484541	8	8	1	4.315089119	0.0127267	ECE1	ENSG00000117298
1	21567612	21567832	21567684	9	9	2	3.19636231	0.0229249	ECE1	ENSG00000117298
1	21987168	21987382	21987275	10	12	1	6.232906505	0.00117736	USP48	ENSG00000090686
1	22033051	22033354	22033202	9	13	0	13.4247217	8.16E-05	HSPG2	ENSG00000142798
1	22154982	22155286	22155110	17	20	0	20.13708255	7.37E-07	HSPG2	ENSG00000142798
1	22155879	22156262	22156117	14	21	5	3.515998541	0.00108602	HSPG2	ENSG00000142798
1	22173815	22174164	22173989	19	25	0	24.93162602	2.56E-08	ELA3B	ENSG00000219073
1	22242253	22242616	22242453	15	21	5	3.515998541	0.00108602	CDC42	ENSG00000070831
1	22474485	22474717	22474648	8	10	0	10.54799562	0.000613541		ENSG00000198137
1	23016471	23017044	23016745	27	41	2	13.4247217	1.29E-10	EPHB2	ENSG00000133216
1	23218335	23218525	23218430	8	8	8	0.958908693	0.534974	AOF2	ENSG00000004487
1	23576219	23576871	23576699	30	54	6	7.534282588	7.46E-11		ENSG00000201405
1	23651064	23651373	23651232	12	16	3	4.075361945	0.00173346	TCEA3	ENSG00000204219
1	23696235	23696414	23696354	8	8	1	4.315089119	0.0127267		ENSG00000203345

1	23784732	23785051	23784909	10	14	1	7.191815198	0.00034761	ID3	ENSG00000117318
1	23791415	23792487	23791855	106	158	7	19.05831027	1.59E-37	ID3	ENSG00000117318
1	23792655	23792927	23792767	17	20	1	10.06854128	8.32E-06	MDS2	ENSG00000197880
1	24328314	24328554	24328446	12	14	1	7.191815198	0.00034761	IL22RA1	ENSG00000142677
1	24518569	24519038	24518775	17	26	6	3.698647816	0.00025253	GRHL3	ENSG00000158055
1	24618032	24618252	24618129	10	12	4	2.493162602	0.0299057	NPAL3	ENSG00000001461
1	24793257	24793533	24793400	13	14	3	3.595907599	0.00486913	C1orf130	ENSG00000184454
1	24796969	24797206	24797097	9	11	1	5.753452158	0.00215302	C1orf130	ENSG00000184454
1	25171362	25171786	25171572	47	60	3	14.62335757	7.91E-15	RUNX3	ENSG00000020633
1	25767465	25767659	25767562	8	8	5	1.43836304	0.235762		ENSG00000203342
1	26197176	26197520	26197348	8	12	1	6.232906505	0.00117736	PAFAH2	ENSG00000158006
1	26328417	26328727	26328572	11	12	6	1.78083043	0.0985525	PDIK1L	ENSG00000175087
1	26730328	26730565	26730447	9	11	4	2.301380863	0.0459276	RPS6KA1	ENSG00000117676
1	26891490	26891837	26891606	13	17	4	3.452071295	0.00292757	ARID1A	ENSG00000117713
1	26891995	26892336	26892165	11	17	5	2.876726079	0.00703033	ARID1A	ENSG00000117713
1	27052227	27052500	27052365	9	10	4	2.109599125	0.0694668	SFN	ENSG00000175793
1	27060280	27060778	27060616	12	21	1	10.54799562	4.43E-06	SFN	ENSG00000175793
1	27061927	27062131	27062029	12	12	1	6.232906505	0.00117736	SFN	ENSG00000175793
1	27066943	27067167	27067037	9	10	2	3.515998541	0.0136204	SFN	ENSG00000175793
1	27343470	27343808	27343639	12	16	4	3.260289556	0.00475414	SLC9A1	ENSG00000090020
1	27365882	27366098	27365971	8	9	0	9.589086931	0.00120187	SLC9A1	ENSG00000090020
1	27590713	27590990	27590856	12	15	1	7.671269544	0.000187863	GPR3	ENSG00000181773
1	28440956	28441210	28441083	13	13	0	13.4247217	8.16E-05	ATPIF1	ENSG00000130770
1	28459072	28459660	28459423	38	58	3	14.14390322	2.76E-14	SESN2	ENSG00000130766
1	28551410	28551763	28551586	48	53	0	51.78106943	1.70E-16	PHACTR4	ENSG00000204138
1	29003127	29003556	29003297	11	20	2	6.712360851	4.91E-05	OPRD1	ENSG00000116329
1	29401940	29402185	29402062	9	12	8	1.385090334	0.219216	SFRS4	ENSG00000116350
1	29438193	29438706	29438449	21	36	0	35.47962164	1.57E-11	PTPRU	ENSG00000060656
1	29547046	29547232	29547139	8	8	3	2.157544559	0.0836802	PTPRU	ENSG00000060656
1	29954833	29955050	29954941	8	9	0	9.589086931	0.00120187		ENSG00000221126
1	29955223	29955777	29955402	28	41	3	10.06854128	9.74E-10		ENSG00000221126
1	30233186	30233435	30233324	16	17	1	8.630178238	5.44E-05		ENSG00000222787
1	30663950	30664219	30664115	8	10	1	5.273997812	0.00391723		ENSG00000217351
1	30666086	30666411	30666248	23	28	0	27.8083521	3.40E-09		ENSG00000217351

1	30993533	30993988	30993735	47	60	2	19.49781009	7.45E-16	LPTM5	ENSG00000162511
1	31293117	31293340	31293228	9	10	0	10.54799562	0.000613541		ENSG00000218782
1	31310762	31311128	31311049	8	13	5	2.237453617	0.038866	PUM1	ENSG00000134644
1	31474348	31474640	31474494	8	10	0	10.54799562	0.000613541	NKAIN1	ENSG00000084628
1	31712200	31712469	31712343	10	12	0	12.46581301	0.000159888		ENSG00000215899
1	31857969	31858319	31858124	12	16	0	16.30144778	1.09E-05	HCRT1	ENSG00000121764
1	32026269	32026583	32026441	16	20	1	10.06854128	8.32E-06	SPOCD1	ENSG00000134668
1	32191138	32191385	32191261	12	15	3	3.835634772	0.00291691	PTP4A2	ENSG00000184007
1	32732415	32732753	32732584	8	13	0	13.4247217	8.16E-05		ENSG00000215897
1	32888558	32888788	32888725	10	10	3	2.636998906	0.034203	ZBTB8OS	ENSG00000176261
1	33011307	33011565	33011442	8	11	4	2.301380863	0.0459276	KIAA1522	ENSG00000162522
1	33055523	33055750	33055636	8	11	5	1.917817386	0.0843804	S100PBP	ENSG00000116497
1	33172313	33172506	33172409	10	10	5	1.757999271	0.121253		ENSG00000221423
1	33201965	33202185	33202070	12	13	0	13.4247217	8.16E-05	RNF19B	ENSG00000116514
1	33275141	33275374	33275232	8	9	0	9.589086931	0.00120187	AK2	ENSG00000004455
1	34645412	34645629	34645520	9	10	0	10.54799562	0.000613541	C1orf94	ENSG00000142698
1	35744138	35744409	35744279	8	9	1	4.794543465	0.00708517		ENSG00000216751
1	35879652	35879921	35879813	10	12	7	1.558226626	0.152813	PSMB2	ENSG00000126067
1	36675185	36675432	36675308	8	10	0	10.54799562	0.000613541	C1orf102	ENSG00000116885
1	36702455	36702698	36702576	10	12	2	4.155271003	0.0046638	MRPS15	ENSG00000116898
1	36955343	36955563	36955444	9	11	2	3.835634772	0.00800699		ENSG00000220821
1	36989764	36990009	36989901	8	10	0	10.54799562	0.000613541		ENSG00000220821
1	37276538	37276807	37276683	8	10	2	3.515998541	0.0136204	GRIK3	ENSG00000163873
1	37338573	37339008	37338793	40	57	0	55.6167042	1.16E-17	GRIK3	ENSG00000163873
1	37772626	37772875	37772763	10	12	0	12.46581301	0.000159888		ENSG00000219042
1	37920522	37920799	37920660	8	10	1	5.273997812	0.00391723	C1orf109	ENSG00000116922
1	38072882	38073330	38073083	18	29	1	14.3836304	2.72E-08		ENSG00000217771
1	38185195	38185555	38185367	26	31	0	30.68507818	4.52E-10	INPP5B	ENSG00000204084
1	38228298	38228514	38228460	8	10	2	3.515998541	0.0136204	SF3A3	ENSG00000183431
1	38496365	38496651	38496504	11	11	1	5.753452158	0.00215302		ENSG00000200796
1	38525521	38525761	38525660	9	12	4	2.493162602	0.0299057		ENSG00000200796
1	38752896	38753103	38752999	8	9	1	4.794543465	0.00708517		ENSG00000200796
1	39355129	39355339	39355234	8	8	2	2.876726079	0.0381137		ENSG00000206654
1	39381097	39381312	39381246	8	8	4	1.726035648	0.150596		ENSG00000210142

1	39422096	39422311	39422203	9	9	0	9.589086931	0.00120187		ENSG00000210142
1	39585150	39585481	39585315	23	28	0	27.8083521	3.40E-09	MACF1	ENSG00000127603
1	39977038	39977293	39977185	10	11	4	2.301380863	0.0459276	PPIE	ENSG00000084072
1	40090565	40090875	40090720	9	11	5	1.917817386	0.0843804	TRIT1	ENSG00000043514
1	40215123	40215663	40215345	18	30	2	9.908723162	1.20E-07		ENSG00000217900
1	40496252	40496448	40496350	9	10	2	3.515998541	0.0136204	ZMPSTE24	ENSG00000084073
1	40830354	40830535	40830458	9	9	3	2.397271733	0.0539397		ENSG00000219028
1	40949678	40950215	40949857	32	44	2	14.3836304	1.96E-11	NFYC	ENSG00000066136
1	40950689	40950927	40950811	10	10	1	5.273997812	0.00391723	NFYC	ENSG00000066136
1	41008056	41008353	41008188	13	18	1	9.109632584	2.91E-05		ENSG00000207962
1	41088326	41088505	41088364	8	8	3	2.157544559	0.0836802	CITED4	ENSG00000179862
1	41245218	41245557	41245387	12	18	1	9.109632584	2.91E-05	SLFNL1	ENSG00000171790
1	41650945	41651257	41651081	10	13	0	13.4247217	8.16E-05	FOXO6	ENSG00000204060
1	41720483	41721085	41720709	34	55	8	5.966542979	7.56E-10	EDN2	ENSG00000127129
1	41854411	41854730	41854590	12	16	1	8.150723891	0.000101217		ENSG00000217547
1	41903549	41903820	41903712	9	11	4	2.301380863	0.0459276	HIVEP3	ENSG00000127124
1	42028125	42028432	42028280	8	12	7	1.558226626	0.152813	HIVEP3	ENSG00000127124
1	42404088	42404356	42404230	9	9	2	3.19636231	0.0229249	GUCA2A	ENSG00000197273
1	42412256	42412483	42412369	11	12	1	6.232906505	0.00117736	GUCA2A	ENSG00000197273
1	42578416	42578663	42578539	12	13	4	2.684944341	0.01921	FOXJ3	ENSG00000198815
1	42771356	42771950	42771602	27	44	4	8.630178238	9.65E-10		ENSG00000186409
1	43179383	43179583	43179483	9	9	1	4.794543465	0.00708517	SLC2A1	ENSG00000117394
1	43391058	43391483	43391300	55	70	0	68.08251721	1.85E-21	FAM183A	ENSG00000186973
1	43820489	43820804	43820646	14	17	0	17.26035648	5.54E-06	PTPRF	ENSG00000142949
1	44566035	44566480	44566301	15	24	4	4.794543465	8.06E-05	PRNPIP	ENSG00000117419
1	44969540	44969781	44969660	9	10	2	3.515998541	0.0136204		ENSG00000200169
1	45037940	45038596	45038201	98	164	4	31.64398687	1.27E-42	PLK3	ENSG00000173846
1	45795754	45796096	45795894	14	18	0	18.21926517	2.83E-06	AKR1A1	ENSG00000117448
1	45926275	45926454	45926319	8	8	5	1.43836304	0.235762	TMEM69	ENSG00000159596
1	46195779	46195974	46195882	8	9	0	9.589086931	0.00120187	MAST2	ENSG00000086015
1	46310180	46310418	46310299	11	13	0	13.4247217	8.16E-05		ENSG00000216741
1	46370774	46370974	46370841	8	8	4	1.726035648	0.150596	PIK3R3	ENSG00000117461
1	46373337	46373573	46373484	10	10	2	3.515998541	0.0136204	PIK3R3	ENSG00000117461
1	46421534	46421818	46421689	22	24	0	23.97271733	5.01E-08	TSPAN1	ENSG00000117472

1	46456772	46457082	46456936	12	15	1	7.671269544	0.000187863	POMGNT1	ENSG00000085998
1	46578780	46579132	46579043	12	16	2	5.433815927	0.000499302	NSUN4	ENSG00000117481
1	46608514	46608842	46608684	15	18	1	9.109632584	2.91E-05		ENSG00000119916
1	47269369	47269593	47269474	9	10	4	2.109599125	0.0694668	CYP4X1	ENSG00000186377
1	47970855	47971074	47970964	8	9	1	4.794543465	0.00708517		ENSG00000204018
1	48332051	48332286	48332168	8	11	5	1.917817386	0.0843804		ENSG00000204015
1	48769104	48769321	48769264	8	9	1	4.794543465	0.00708517		ENSG00000220052
1	50377465	50377677	50377577	10	11	0	11.50690432	0.000313206	ELAVL4	ENSG00000162374
1	50841842	50842222	50842044	28	34	1	16.78090213	1.09E-09		ENSG00000207194
1	50848818	50849155	50848985	10	15	2	5.114179696	0.00088103		ENSG00000207194
1	50942432	50942618	50942525	8	8	2	2.876726079	0.0381137		ENSG00000210528
1	51808064	51808329	51808196	13	14	10	1.307602763	0.244096	OSBPL9	ENSG00000117859
1	51930514	51930870	51930692	13	18	0	18.21926517	2.83E-06		ENSG00000219625
1	53439593	53439898	53439725	9	10	1	5.273997812	0.00391723	CPT2	ENSG00000157184
1	56653078	56653294	56653186	9	11	1	5.753452158	0.00215302		ENSG00000216893
1	56677880	56678203	56678082	12	16	1	8.150723891	0.000101217		ENSG00000216893
1	58062780	58063019	58062848	9	12	3	3.116453252	0.0131971		ENSG00000127266
1	58445142	58445450	58445268	17	21	0	21.09599125	3.76E-07		ENSG00000216719
1	58859338	58859582	58859483	8	10	3	2.636998906	0.034203		ENSG00000185839
1	59665387	59665651	59665528	8	10	2	3.515998541	0.0136204	FGGY	ENSG00000172456
1	59870059	59870252	59870155	9	11	1	5.753452158	0.00215302	FGGY	ENSG00000172456
1	60185695	60185881	60185788	10	10	5	1.757999271	0.121253		ENSG00000203270
1	61377711	61378046	61377878	9	13	2	4.474907234	0.00269459	NFIA	ENSG00000162599
1	61576817	61577014	61576908	8	9	4	1.917817386	0.103282	NFIA	ENSG00000162599
1	62111978	62112203	62112060	9	9	0	9.589086931	0.00120187		ENSG00000212360
1	63761410	63761687	63761542	8	10	3	2.636998906	0.034203	EFCAB7	ENSG00000203965
1	63785976	63786239	63786129	8	9	2	3.19636231	0.0229249	DLEU2	ENSG00000116652
1	64216872	64217153	64217004	9	12	2	4.155271003	0.0046638		ENSG00000207190
1	64581887	64582127	64581992	12	13	3	3.356180426	0.00805599	CACHD1	ENSG00000158966
1	65233585	65233883	65233754	18	21	1	10.54799562	4.43E-06		ENSG00000185031
1	66509646	66509877	66509744	10	10	0	10.54799562	0.000613541	PDE4B	ENSG00000184588
1	66638939	66639254	66639096	18	21	0	21.09599125	3.76E-07	PDE4B	ENSG00000184588
1	66674655	66674890	66674785	8	9	3	2.397271733	0.0539397	SGIP1	ENSG00000118473
1	67291384	67291617	67291508	10	10	4	2.109599125	0.0694668	SLC35D1	ENSG00000116704

1	67384878	67385260	67385078	16	24	0	23.97271733	5.01E-08	C1orf141	ENSG00000203963
1	67428433	67428647	67428516	10	10	1	5.273997812	0.00391723		ENSG00000210928
1	67605250	67605511	67605369	17	17	1	8.630178238	5.44E-05		ENSG00000223263
1	67614687	67614986	67614836	8	13	7	1.678090213	0.11195		ENSG00000223263
1	67924673	67925467	67925067	141	186	7	22.4144907	3.19E-45	GADD45A	ENSG00000116717
1	67963418	67963824	67963581	19	25	1	12.46581301	3.51E-07	GADD45A	ENSG00000116717
1	69293174	69294038	69293720	90	136	1	65.68524547	6.71E-39		
1	72239013	72239587	72239265	103	135	1	65.20579113	1.31E-38	NEGR1	ENSG00000172260
1	74398376	74398659	74398504	20	22	0	22.05489994	1.92E-07	LRRIQ3	ENSG00000162620
1	75330423	75330771	75330598	36	41	2	13.4247217	1.29E-10	LHX8	ENSG00000162624
1	75331045	75331224	75331134	10	10	1	5.273997812	0.00391723	LHX8	ENSG00000162624
1	76429348	76429607	76429442	13	15	4	3.068507818	0.0076507	ST6GALNA1	ENSG00000184005
1	77157580	77157951	77157782	10	16	0	16.30144778	1.09E-05	ST6GALNA1	ENSG00000117069
1	78187332	78187650	78187491	18	22	1	11.02744997	2.36E-06	FUBP1	ENSG00000162613
1	80906268	80906466	80906331	8	9	2	3.19636231	0.0229249		ENSG00000217175
1	82112717	82113053	82112885	45	48	0	46.98652596	4.91E-15	LPHN2	ENSG00000117114
1	82119036	82119245	82119197	9	12	0	12.46581301	0.000159888	LPHN2	ENSG00000117114
1	82464461	82464747	82464604	17	19	0	19.17817386	1.44E-06	LPHN2	ENSG00000117114
1	83249561	83250106	83249693	21	36	1	17.73981082	3.00E-10		
1	84824053	84824394	84824223	23	27	0	26.84944341	6.66E-09	CTBS	ENSG00000117151
1	85515036	85515294	85515165	15	17	4	3.452071295	0.00292757	BCL10	ENSG00000142867
1	85536012	85536427	85536191	9	17	1	8.630178238	5.44E-05	BCL10	ENSG00000142867
1	86392828	86393052	86392924	8	8	4	1.726035648	0.150596	COL24A1	ENSG00000171502
1	86662225	86662493	86662351	10	12	1	6.232906505	0.00117736	CLCA2	ENSG00000137975
1	87088339	87088607	87088454	8	10	0	10.54799562	0.000613541		ENSG00000183291
1	87413042	87413350	87413209	28	31	1	15.34253909	7.54E-09		ENSG00000221222
1	88273881	88274152	88274030	17	18	0	18.21926517	2.83E-06		ENSG00000222435
1	88885617	88885827	88885737	10	12	1	6.232906505	0.00117736	PKN2	ENSG00000065243
1	89040164	89040559	89040349	33	45	0	44.10979988	3.69E-14		ENSG00000207234
1	89544482	89544894	89544715	16	24	2	7.990905775	4.56E-06		ENSG00000219841
1	90128332	90128840	90128511	14	24	1	11.98635866	6.63E-07	LRRC8D	ENSG00000171492
1	91625222	91625828	91625518	260	420	312	1.289778146	0.000303027		ENSG00000211233
1	91768029	91768622	91768235	70	91	1	44.10979988	6.28E-26		ENSG00000185636
1	91843091	91843413	91843252	16	17	0	17.26035648	5.54E-06		ENSG00000218593

1	93317084	93317364	93317190	10	12	5	2.077635502	0.0577144	MTF2	ENSG00000143033
1	93461506	93461952	93461604	13	20	0	20.13708255	7.37E-07		ENSG00000220257
1	93867521	93867871	93867696	19	24	0	23.97271733	5.01E-08	BCAR3	ENSG00000137936
1	94085625	94085986	94085763	10	15	5	2.557089848	0.0169197	BCAR3	ENSG00000137936
1	94574091	94574300	94574142	9	9	1	4.794543465	0.00708517		ENSG00000178596
1	94660055	94660403	94660207	12	16	1	8.150723891	0.000101217	ABCD3	ENSG00000117528
1	95074997	95075387	95075208	23	30	2	9.908723162	1.20E-07	SLC44A3	ENSG00000143036
1	95354854	95355053	95354992	8	8	1	4.315089119	0.0127267	TMEM56	ENSG00000152078
1	96023266	96023482	96023356	12	12	3	3.116453252	0.0131971		ENSG00000221798
1	97299847	97300062	97299954	12	14	0	14.3836304	4.17E-05		ENSG00000212039
1	98754476	98754825	98754650	30	35	0	34.52071295	3.07E-11		ENSG00000221777
1	98915566	98915861	98915713	14	15	0	15.34253909	2.13E-05	SNX7	ENSG00000162627
1	99811679	99812166	99811925	13	23	0	23.01380863	9.81E-08	PALMD	ENSG00000099260
1	100046914	100047175	100047044	9	10	3	2.636998906	0.034203		ENSG00000202254
1	100203853	100204136	100204003	10	12	1	6.232906505	0.00117736	SLC35A3	ENSG00000117620
1	100668443	100668884	100668664	56	72	4	14.00006692	3.96E-17		ENSG00000216398
1	101073915	101074346	101074171	12	18	1	9.109632584	2.91E-05	EXTL2	ENSG00000162694
1	101764932	101765369	101765110	32	46	0	45.06870857	1.89E-14		ENSG00000173810
1	103262224	103262475	103262349	9	9	0	9.589086931	0.00120187		ENSG00000216948
1	106546359	106546613	106546481	11	11	8	1.278544924	0.28289		ENSG00000217439
1	106554184	106554402	106554254	8	10	9	1.054799562	0.4492		ENSG00000217439
1	106576195	106576500	106576359	9	14	5	2.397271733	0.0258078		ENSG00000217439
1	106602082	106602342	106602212	10	12	5	2.077635502	0.0577144		ENSG00000217439
1	106605323	106605535	106605431	8	8	2	2.876726079	0.0381137		ENSG00000217439
1	106605626	106605907	106605763	8	10	7	1.318499453	0.269217		ENSG00000217439
1	106608071	106608463	106608284	8	16	5	2.716907964	0.0109645		ENSG00000217439
1	106612376	106612682	106612541	10	12	13	0.890415215	0.619237		ENSG00000217439
1	106639928	106640257	106640089	10	14	4	2.876726079	0.01219		ENSG00000217439
1	106646623	106646853	106646730	12	12	3	3.116453252	0.0131971		ENSG00000217439
1	106737823	106738002	106737850	8	8	2	2.876726079	0.0381137		ENSG00000217439
1	106743978	106744248	106744118	9	11	2	3.835634772	0.00800699		ENSG00000217439
1	106768149	106768358	106768242	9	10	4	2.109599125	0.0694668		ENSG00000217439
1	106828777	106828970	106828873	8	9	2	3.19636231	0.0229249		ENSG00000220633
1	106833254	106833780	106833483	31	50	11	4.075361945	3.20E-07		ENSG00000220633

1	106834452	106834692	106834572	8	10	2	3.515998541	0.0136204	ENSG00000220633
1	106865275	106865454	106865382	8	8	2	2.876726079	0.0381137	ENSG00000220633
1	106867726	106867979	106867852	11	14	7	1.797953799	0.0806593	ENSG00000220633
1	106875967	106876191	106876051	10	11	8	1.278544924	0.28289	ENSG00000220633
1	106876276	106876521	106876358	12	13	11	1.118726809	0.38479	ENSG00000220633
1	106877811	106878073	106877952	9	11	3	2.876726079	0.0213797	ENSG00000220633
1	106878823	106879112	106878967	13	16	13	1.164389127	0.333296	ENSG00000220633
1	106885307	106885582	106885444	9	9	7	1.198635866	0.346278	ENSG00000220633
1	106885716	106885940	106885828	9	10	5	1.757999271	0.121253	ENSG00000220633
1	106892634	106892911	106892747	8	11	10	1.046082211	0.455063	ENSG00000220633
1	106894334	106894578	106894457	9	11	5	1.917817386	0.0843804	ENSG00000220633
1	106899809	106900210	106899981	11	20	15	1.25856766	0.240048	ENSG00000220633
1	106908474	106908811	106908637	9	14	15	0.8989769	0.617119	ENSG00000220633
1	106912455	106912733	106912591	13	16	7	2.037680973	0.0400399	ENSG00000220633
1	106917701	106918036	106917875	11	14	9	1.43836304	0.179537	ENSG00000220633
1	106919283	106919462	106919341	8	8	2	2.876726079	0.0381137	ENSG00000220633
1	106921476	106921655	106921544	8	8	13	0.616441303	0.878084	ENSG00000220633
1	106925484	106925758	106925583	8	10	5	1.757999271	0.121253	ENSG00000220633
1	106953889	106954311	106954073	10	18	16	1.07172148	0.415914	ENSG00000220633
1	106958736	106958928	106958832	9	9	7	1.198635866	0.346278	ENSG00000220633
1	106959676	106959904	106959790	10	11	2	3.835634772	0.00800699	ENSG00000220633
1	106962385	106962749	106962610	11	17	6	2.465765211	0.014729	ENSG00000220633
1	106965453	106965780	106965616	8	12	12	0.958908693	0.542188	ENSG00000220633
1	106973718	106974004	106973865	8	12	7	1.558226626	0.152813	ENSG00000220633
1	106985315	106985494	106985438	8	9	4	1.917817386	0.103282	ENSG00000220633
1	106986384	106986643	106986531	8	10	3	2.636998906	0.034203	ENSG00000220633
1	106990341	106990531	106990436	8	8	4	1.726035648	0.150596	ENSG00000220633
1	106995630	106995941	106995785	8	12	9	1.246581301	0.295061	ENSG00000220633
1	106996558	106996845	106996701	9	11	0	11.50690432	0.000313206	ENSG00000220633
1	107024252	107024450	107024366	9	9	4	1.917817386	0.103282	ENSG00000220633
1	107024491	107024696	107024538	8	10	4	2.109599125	0.0694668	ENSG00000220633
1	107025010	107025239	107025125	10	13	4	2.684944341	0.01921	ENSG00000220633
1	107037390	107037628	107037509	10	10	3	2.636998906	0.034203	ENSG00000220633
1	107051058	107051282	107051170	10	10	5	1.757999271	0.121253	ENSG00000220633

1	107062095	107062380	107062235	8	11	6	1.643843474	0.137712	ENSG00000220633
1	107062692	107062916	107062785	10	12	3	3.116453252	0.0131971	ENSG00000220633
1	107064766	107065062	107064914	8	11	2	3.835634772	0.00800699	ENSG00000220633
1	107065592	107065856	107065771	9	12	7	1.558226626	0.152813	ENSG00000220633
1	107065998	107066325	107066161	13	17	5	2.876726079	0.00703033	ENSG00000220633
1	107071426	107071737	107071581	8	12	7	1.558226626	0.152813	ENSG00000220633
1	107080814	107081172	107080993	9	14	7	1.797953799	0.0806593	ENSG00000220633
1	107081939	107082118	107082028	8	8	7	1.07877228	0.435076	ENSG00000220633
1	107082439	107082642	107082533	8	9	1	4.794543465	0.00708517	ENSG00000220633
1	107084612	107084959	107084786	10	14	4	2.876726079	0.01219	ENSG00000220633
1	107090898	107091090	107091041	8	10	8	1.171999514	0.35773	ENSG00000220633
1	107093808	107094036	107093922	10	10	7	1.318499453	0.269217	ENSG00000220633
1	107094067	107094753	107094246	30	52	14	3.388144049	2.01E-06	ENSG00000220633
1	107096613	107096885	107096749	10	11	3	2.876726079	0.0213797	ENSG00000220633
1	107098596	107098863	107098702	10	12	11	1.038817751	0.460341	ENSG00000220633
1	107116551	107116737	107116677	8	8	7	1.07877228	0.435076	ENSG00000220633
1	107116943	107117228	107117102	9	12	5	2.077635502	0.0577144	ENSG00000220633
1	107128522	107128755	107128615	8	9	7	1.198635866	0.346278	ENSG00000220633
1	107129352	107129689	107129520	11	15	8	1.704726565	0.0916153	ENSG00000220633
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1	107131639	107131848	107131743	9	10	8	1.171999514	0.35773	ENSG00000220633
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1	107137595	107138091	107137760	12	20	14	1.34247217	0.186867	ENSG00000220633
1	107138298	107138515	107138406	8	11	3	2.876726079	0.0213797	ENSG00000220633
1	107140752	107141066	107140909	8	12	9	1.246581301	0.295061	ENSG00000220633
1	107143234	107143476	107143342	13	15	9	1.534253909	0.136498	ENSG00000220633
1	107157891	107158095	107157991	8	8	3	2.157544559	0.0836802	ENSG00000216572
1	107158768	107158999	107158878	8	10	7	1.318499453	0.269217	ENSG00000216572
1	107164503	107164787	107164682	12	15	16	0.902502299	0.616352	ENSG00000216572
1	107176324	107176611	107176467	8	10	13	0.753428259	0.762589	ENSG00000216572
1	107183406	107184026	107183659	8	23	22	1.000600375	0.498356	ENSG00000216572
1	107187539	107187985	107187806	10	20	5	3.356180426	0.0017534	ENSG00000216572
1	107204663	107204902	107204820	8	10	2	3.515998541	0.0136204	ENSG00000216572

1	107214256	107214766	107214587	32	44	1	21.57544559	1.67E-12	ENSG00000216572
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1	107237311	107237514	107237359	8	9	2	3.19636231	0.0229249	ENSG00000216572
1	107244597	107244832	107244714	10	11	5	1.917817386	0.0843804	ENSG00000216572
1	107257049	107257339	107257194	10	15	4	3.068507818	0.0076507	ENSG00000216572
1	107273612	107273943	107273770	11	15	5	2.557089848	0.0169197	ENSG00000216572
1	107281435	107281698	107281568	8	10	4	2.109599125	0.0694668	PRMT6 ENSG00000198890
1	107316734	107316958	107316846	8	10	11	0.878999635	0.622439	PRMT6 ENSG00000198890
1	107320105	107320416	107320260	12	17	8	1.917817386	0.0474153	PRMT6 ENSG00000198890
1	107327186	107327518	107327351	8	13	6	1.917817386	0.0693353	PRMT6 ENSG00000198890
1	107333107	107333299	107333197	8	8	2	2.876726079	0.0381137	PRMT6 ENSG00000198890
1	107345841	107346126	107345983	9	10	4	2.109599125	0.0694668	PRMT6 ENSG00000198890
1	107350264	107350636	107350443	10	17	15	1.07877228	0.410615	PRMT6 ENSG00000198890
1	107355715	107355895	107355780	8	8	5	1.43836304	0.235762	PRMT6 ENSG00000198890
1	107368604	107369041	107368761	12	19	9	1.917817386	0.0394029	PRMT6 ENSG00000198890
1	107374817	107375117	107374964	10	10	8	1.171999514	0.35773	PRMT6 ENSG00000198890
1	107390901	107391176	107391060	8	8	7	1.07877228	0.435076	PRMT6 ENSG00000198890
1	107391483	107391730	107391581	8	9	6	1.369869562	0.253675	PRMT6 ENSG00000198890
1	107400822	107401804	107401260	11	42	18	2.170161779	0.00159802	PRMT6 ENSG00000198890
1	107404343	107404657	107404482	9	13	10	1.220429246	0.306001	PRMT6 ENSG00000198890
1	107405596	107405843	107405731	8	10	5	1.757999271	0.121253	PRMT6 ENSG00000198890
1	107410442	107410755	107410577	12	14	4	2.876726079	0.01219	PRMT6 ENSG00000198890
1	107415297	107415487	107415347	8	8	5	1.43836304	0.235762	PRMT6 ENSG00000198890
1	107416019	107416214	107416123	11	11	3	2.876726079	0.0213797	PRMT6 ENSG00000198890
1	107416715	107417140	107416894	9	17	10	1.569123316	0.112309	PRMT6 ENSG00000198890
1	107435736	107435927	107435831	8	10	4	2.109599125	0.0694668	PRMT6 ENSG00000198890
1	107439780	107440063	107439921	10	12	7	1.558226626	0.152813	PRMT6 ENSG00000198890
1	107443137	107443413	107443275	8	11	9	1.150690432	0.367789	NTNG1 ENSG00000162631
1	107446505	107446852	107446678	8	12	8	1.385090334	0.219216	NTNG1 ENSG00000162631
1	107450068	107450356	107450212	11	12	9	1.246581301	0.295061	NTNG1 ENSG00000162631
1	107454063	107454301	107454206	9	10	4	2.109599125	0.0694668	NTNG1 ENSG00000162631
1	107454551	107454797	107454632	8	10	7	1.318499453	0.269217	NTNG1 ENSG00000162631
1	107456367	107456644	107456495	9	11	9	1.150690432	0.367789	NTNG1 ENSG00000162631

1	107462330	107462629	107462493	9	12	5	2.077635502	0.0577144	NTNG1	ENSG00000162631
1	107466066	107466270	107466229	9	11	11	0.958908693	0.540507	NTNG1	ENSG00000162631
1	107468885	107469110	107468997	8	10	12	0.811384279	0.697544	NTNG1	ENSG00000162631
1	107469799	107470138	107469968	9	14	8	1.598181155	0.124586	NTNG1	ENSG00000162631
1	107470512	107470750	107470631	9	12	6	1.78083043	0.0985525	NTNG1	ENSG00000162631
1	107471675	107471915	107471753	10	13	6	1.917817386	0.0693353	NTNG1	ENSG00000162631
1	107475087	107475297	107475185	9	11	4	2.301380863	0.0459276	NTNG1	ENSG00000162631
1	107477567	107477913	107477733	9	13	5	2.237453617	0.038866	NTNG1	ENSG00000162631
1	107482162	107482614	107482387	11	22	13	1.575349996	0.0840573	NTNG1	ENSG00000162631
1	107484656	107484905	107484780	9	12	8	1.385090334	0.219216	NTNG1	ENSG00000162631
1	107485906	107486138	107486022	8	10	20	0.502285506	0.972812	NTNG1	ENSG00000162631
1	107486273	107486858	107486452	13	29	31	0.8989769	0.662851	NTNG1	ENSG00000162631
1	107486985	107487229	107487107	9	12	14	0.831054201	0.689281	NTNG1	ENSG00000162631
1	107491429	107491836	107491727	9	14	7	1.797953799	0.0806593	NTNG1	ENSG00000162631
1	107494718	107495083	107494897	9	15	20	0.730597099	0.831283	NTNG1	ENSG00000162631
1	107496311	107496922	107496490	10	25	14	1.662108401	0.053254	NTNG1	ENSG00000162631
1	107497228	107497563	107497395	12	16	10	1.481949798	0.147733	NTNG1	ENSG00000162631
1	107497712	107498031	107497871	8	13	14	0.894981447	0.618069	NTNG1	ENSG00000162631
1	107500669	107500924	107500821	9	9	6	1.369869562	0.253675	NTNG1	ENSG00000162631
1	107502024	107502250	107502137	10	11	1	5.753452158	0.00215302	NTNG1	ENSG00000162631
1	107503201	107503565	107503364	8	13	5	2.237453617	0.038866	NTNG1	ENSG00000162631
1	107506581	107506966	107506758	10	17	11	1.43836304	0.15834	NTNG1	ENSG00000162631
1	107507535	107507810	107507665	11	13	8	1.491635745	0.166708	NTNG1	ENSG00000162631
1	107508257	107508468	107508362	8	10	8	1.171999514	0.35773	NTNG1	ENSG00000162631
1	107513844	107514025	107513934	8	8	10	0.784561658	0.708731	NTNG1	ENSG00000162631
1	107519397	107519625	107519522	12	14	9	1.43836304	0.179537	NTNG1	ENSG00000162631
1	107523914	107524311	107524132	9	15	5	2.557089848	0.0169197	NTNG1	ENSG00000162631
1	107526665	107527015	107526896	8	13	7	1.678090213	0.11195	NTNG1	ENSG00000162631
1	107529048	107529276	107529162	8	11	6	1.643843474	0.137712	NTNG1	ENSG00000162631
1	107529458	107529792	107529625	9	14	11	1.198635866	0.315918	NTNG1	ENSG00000162631
1	107531799	107532003	107531949	9	9	6	1.369869562	0.253675	NTNG1	ENSG00000162631
1	107540967	107541393	107541230	9	19	9	1.917817386	0.0394029	NTNG1	ENSG00000162631
1	107541633	107541868	107541750	9	11	4	2.301380863	0.0459276	NTNG1	ENSG00000162631
1	107542735	107543041	107542888	8	10	10	0.958908693	0.538751	NTNG1	ENSG00000162631

1	107544581	107544771	107544692	8	8	5	1.43836304	0.235762	NTNG1	ENSG00000162631
1	107545433	107545773	107545603	8	14	11	1.198635866	0.315918	NTNG1	ENSG00000162631
1	107553074	107553344	107553191	8	13	4	2.684944341	0.01921	NTNG1	ENSG00000162631
1	107555540	107555732	107555596	8	10	3	2.636998906	0.034203	NTNG1	ENSG00000162631
1	107565478	107565684	107565603	8	10	7	1.318499453	0.269217	NTNG1	ENSG00000162631
1	107565990	107566506	107566234	8	18	19	0.910963258	0.614871	NTNG1	ENSG00000162631
1	107569591	107569857	107569719	10	10	4	2.109599125	0.0694668	NTNG1	ENSG00000162631
1	107569999	107570198	107570103	9	10	7	1.318499453	0.269217	NTNG1	ENSG00000162631
1	107573154	107573333	107573308	8	8	4	1.726035648	0.150596	NTNG1	ENSG00000162631
1	107577928	107578167	107578044	10	12	8	1.385090334	0.219216	NTNG1	ENSG00000162631
1	107578941	107579148	107579048	9	9	7	1.198635866	0.346278	NTNG1	ENSG00000162631
1	107587418	107587704	107587529	9	13	9	1.34247217	0.232231	NTNG1	ENSG00000162631
1	107588504	107588720	107588612	9	10	11	0.878999635	0.622439	NTNG1	ENSG00000162631
1	107588834	107589215	107588990	9	14	20	0.684934781	0.872628	NTNG1	ENSG00000162631
1	107591275	107591558	107591416	8	11	7	1.43836304	0.204844	NTNG1	ENSG00000162631
1	107597110	107597445	107597272	10	15	9	1.534253909	0.136498	NTNG1	ENSG00000162631
1	107599328	107599616	107599472	9	10	9	1.054799562	0.4492	NTNG1	ENSG00000162631
1	107607069	107607349	107607219	9	12	13	0.890415215	0.619237	NTNG1	ENSG00000162631
1	107608144	107608380	107608226	9	12	10	1.133255728	0.37674	NTNG1	ENSG00000162631
1	107608903	107609278	107609082	9	17	11	1.43836304	0.15834	NTNG1	ENSG00000162631
1	107610380	107610580	107610498	8	8	5	1.43836304	0.235762	NTNG1	ENSG00000162631
1	107610991	107611344	107611167	8	14	9	1.43836304	0.179537	NTNG1	ENSG00000162631
1	107613890	107614243	107614003	8	13	8	1.491635745	0.166708	NTNG1	ENSG00000162631
1	107618389	107618579	107618494	8	9	8	1.065454103	0.442605	NTNG1	ENSG00000162631
1	107621216	107621615	107621348	12	19	26	0.710302736	0.88	NTNG1	ENSG00000162631
1	107632340	107632617	107632486	8	13	6	1.917817386	0.0693353	NTNG1	ENSG00000162631
1	107642922	107643140	107642990	9	11	8	1.278544924	0.28289	NTNG1	ENSG00000162631
1	107644530	107644730	107644630	8	10	14	0.703199708	0.817173	NTNG1	ENSG00000162631
1	107646160	107646365	107646254	9	10	10	0.958908693	0.538751	NTNG1	ENSG00000162631
1	107659287	107659573	107659430	11	13	12	1.0326709	0.46514	NTNG1	ENSG00000162631
1	107660676	107660968	107660802	8	13	6	1.917817386	0.0693353	NTNG1	ENSG00000162631
1	107663032	107663431	107663211	12	20	10	1.830643869	0.0454769	NTNG1	ENSG00000162631
1	107663501	107663784	107663623	14	16	13	1.164389127	0.333296	NTNG1	ENSG00000162631
1	107665305	107665703	107665538	9	17	10	1.569123316	0.112309	NTNG1	ENSG00000162631

1	107668362	107668646	107668502	8	10	13	0.753428259	0.762589	NTNG1	ENSG00000162631
1	107668683	107668899	107668842	8	10	12	0.811384279	0.697544	NTNG1	ENSG00000162631
1	107670203	107670448	107670353	12	15	12	1.180195315	0.324974	NTNG1	ENSG00000162631
1	107671034	107672482	107671775	54	102	20	4.703218828	3.28E-14	NTNG1	ENSG00000162631
1	107674408	107674710	107674595	8	12	14	0.831054201	0.689281	NTNG1	ENSG00000162631
1	107682086	107682304	107682195	8	9	9	0.958908693	0.536911	NTNG1	ENSG00000162631
1	107684404	107684776	107684524	9	14	8	1.598181155	0.124586	NTNG1	ENSG00000162631
1	107688517	107688775	107688646	9	10	10	0.958908693	0.538751	NTNG1	ENSG00000162631
1	107698633	107699042	107698902	8	14	17	0.799090578	0.74177	NTNG1	ENSG00000162631
1	107710111	107710334	107710222	8	10	10	0.958908693	0.538751	NTNG1	ENSG00000162631
1	107712676	107712926	107712801	11	13	5	2.237453617	0.038866	NTNG1	ENSG00000162631
1	107721196	107721485	107721328	8	10	11	0.878999635	0.622439	NTNG1	ENSG00000162631
1	107723642	107723821	107723731	8	8	8	0.958908693	0.534974	NTNG1	ENSG00000162631
1	107726350	107726660	107726505	9	13	8	1.491635745	0.166708	NTNG1	ENSG00000162631
1	107727932	107728293	107728163	9	15	12	1.180195315	0.324974	NTNG1	ENSG00000162631
1	107731671	107731874	107731778	8	10	3	2.636998906	0.034203	NTNG1	ENSG00000162631
1	107873875	107874094	107873989	9	10	2	3.515998541	0.0136204		ENSG00000220034
1	107914472	107914803	107914637	12	14	12	1.106433107	0.392094		ENSG00000211552
1	107939015	107939228	107939187	9	10	3	2.636998906	0.034203		ENSG00000211552
1	108021878	108022195	108022053	18	23	5	3.835634772	0.000408054		ENSG00000211552
1	108083119	108083331	108083206	8	10	4	2.109599125	0.0694668	VAV3	ENSG00000134215
1	108085417	108085693	108085583	10	11	1	5.753452158	0.00215302	VAV3	ENSG00000134215
1	108088484	108088685	108088591	8	8	2	2.876726079	0.0381137	VAV3	ENSG00000134215
1	108092840	108093039	108092894	8	9	5	1.598181155	0.170911	VAV3	ENSG00000134215
1	108208780	108208981	108208880	8	8	4	1.726035648	0.150596	VAV3	ENSG00000134215
1	108280635	108281024	108280814	9	17	7	2.157544559	0.0276499	VAV3	ENSG00000134215
1	108378472	108378880	108378651	11	20	5	3.356180426	0.0017534	VAV3	ENSG00000134215
1	108462262	108462516	108462349	9	11	5	1.917817386	0.0843804	SLC25A24	ENSG00000085491
1	108544934	108545309	108545111	17	23	8	2.557089848	0.00494559	SLC25A24	ENSG00000085491
1	108877625	108877919	108877759	9	12	8	1.385090334	0.219216		ENSG00000217136
1	108902997	108903189	108903095	9	10	1	5.273997812	0.00391723	FAM102B	ENSG00000162636
1	108905917	108906204	108906040	12	15	6	2.191791298	0.0328001	FAM102B	ENSG00000162636
1	108914278	108914637	108914457	19	26	5	4.315089119	8.98E-05	FAM102B	ENSG00000162636
1	109037531	109037738	109037611	8	8	3	2.157544559	0.0836802	PRPF38B	ENSG00000134186

1	109189765	109190558	109190288	51	88	1	42.67143684	4.57E-25	C1orf62	ENSG00000162641
1	109190835	109191049	109190934	9	9	1	4.794543465	0.00708517	C1orf62	ENSG00000162641
1	109410540	109410727	109410676	8	10	5	1.757999271	0.121253	TAF13	ENSG00000197780
1	109419963	109420377	109420125	11	16	5	2.716907964	0.0109645	TAF13	ENSG00000197780
1	109433422	109433767	109433594	13	17	3	4.315089119	0.00102271	TMEM167B	ENSG00000162647
1	109440402	109440653	109440527	12	14	4	2.876726079	0.01219	TMEM167B	ENSG00000162647
1	109444063	109444403	109444233	23	28	6	3.972621728	9.48E-05		ENSG00000219444
1	109456933	109457132	109457032	8	9	1	4.794543465	0.00708517	C1orf194	ENSG00000179902
1	109460499	109460693	109460637	8	9	6	1.369869562	0.253675	KIAA1324	ENSG00000116299
1	109542198	109542535	109542366	15	21	4	4.219198249	0.000390041	KIAA1324	ENSG00000116299
1	109558305	109559450	109558595	36	92	7	11.14731356	8.13E-20	SARS	ENSG00000031698
1	109607216	109607836	109607585	19	36	2	11.82654055	2.94E-09	CELSR2	ENSG00000143126
1	109618967	109619309	109619138	12	18	0	18.21926517	2.83E-06	PSRC1	ENSG00000134222
1	109619326	109619663	109619544	12	16	4	3.260289556	0.00475414	PSRC1	ENSG00000134222
1	109640996	109641338	109641166	14	18	3	4.554816292	0.000599415	MYBPHL	ENSG00000221986
1	109770351	109770943	109770679	9	23	8	2.557089848	0.00494559	PSMA5	ENSG00000143106
1	109834852	109835053	109834921	8	9	2	3.19636231	0.0229249	ATXN7L2	ENSG00000162650
1	109838153	109838423	109838288	10	11	0	11.50690432	0.000313206	CYB561D1	ENSG00000174151
1	109890534	109890776	109890655	10	12	3	3.116453252	0.0131971	GNAI3	ENSG00000065135
1	109892679	109892869	109892786	8	8	4	1.726035648	0.150596	GNAI3	ENSG00000065135
1	109910387	109910618	109910470	11	11	1	5.753452158	0.00215302	GNAI3	ENSG00000065135
1	109914697	109915005	109914851	8	13	2	4.474907234	0.00269459		ENSG00000206832
1	110164720	110165045	110164838	12	16	0	16.30144778	1.09E-05		ENSG00000219071
1	110261056	110261333	110261194	9	11	0	11.50690432	0.000313206	CSF1	ENSG00000184371
1	110292110	110292315	110292220	10	10	4	2.109599125	0.0694668	AHCYL1	ENSG00000168710
1	110328657	110328996	110328823	12	15	7	1.917817386	0.0572317	AHCYL1	ENSG00000168710
1	110547361	110547542	110547411	8	8	2	2.876726079	0.0381137	KCNC4	ENSG00000116396
1	110656807	110657020	110656866	9	10	3	2.636998906	0.034203	RBM15	ENSG00000162775
1	110751769	110752062	110751915	10	13	7	1.678090213	0.11195	HBXIP	ENSG00000134248
1	111248726	111249057	111248880	9	13	0	13.4247217	8.16E-05	CD53	ENSG00000143119
1	111558574	111559144	111558783	86	129	1	62.32906505	7.06E-37	DENND2D	ENSG00000162777
1	111708063	111708477	111708298	8	15	5	2.557089848	0.0169197		ENSG00000213336
1	111708759	111709534	111709134	99	148	4	28.57547905	4.00E-38		ENSG00000217967
1	111710475	111710790	111710642	8	11	1	5.753452158	0.00215302		ENSG00000217967

1	111852376	111852646	111852511	9	14	9	1.43836304	0.179537	ADORA3	ENSG00000121933
1	111880621	111880865	111880729	8	8	3	2.157544559	0.0836802	RAP1A	ENSG00000116473
1	111941949	111942128	111942052	8	8	0	8.630178238	0.00235436	RAP1A	ENSG00000116473
1	112000537	112000747	112000642	8	9	8	1.065454103	0.442605		ENSG00000201028
1	112082479	112082940	112082783	26	34	1	16.78090213	1.09E-09	C1orf183	ENSG00000197852
1	112082971	112083460	112083215	10	21	7	2.636998906	0.00562102	C1orf183	ENSG00000197852
1	112091452	112091711	112091592	12	14	6	2.054804342	0.0480281	C1orf183	ENSG00000197852
1	112099816	112100135	112099976	12	14	5	2.397271733	0.0258078	DDX20	ENSG00000064703
1	112168513	112168722	112168617	8	10	3	2.636998906	0.034203	DDX20	ENSG00000064703
1	112177435	112177768	112177602	8	12	4	2.493162602	0.0299057	DDX20	ENSG00000064703
1	112178193	112178472	112178337	8	10	5	1.757999271	0.121253	DDX20	ENSG00000064703
1	112191166	112191476	112191334	8	11	2	3.835634772	0.00800699	DDX20	ENSG00000064703
1	112207861	112208053	112207957	8	10	10	0.958908693	0.538751	DDX20	ENSG00000064703
1	112240195	112240574	112240418	8	14	8	1.598181155	0.124586	KCND3	ENSG00000171385
1	112245620	112245890	112245755	9	11	5	1.917817386	0.0843804	KCND3	ENSG00000171385
1	112246308	112246609	112246479	9	13	3	3.356180426	0.00805599	KCND3	ENSG00000171385
1	112252296	112252601	112252474	11	14	3	3.595907599	0.00486913	KCND3	ENSG00000171385
1	112258441	112258713	112258592	8	11	3	2.876726079	0.0213797	KCND3	ENSG00000171385
1	112262522	112262744	112262652	9	13	9	1.34247217	0.232231	KCND3	ENSG00000171385
1	112263163	112263395	112263265	9	11	3	2.876726079	0.0213797	KCND3	ENSG00000171385
1	112279327	112279512	112279419	9	9	4	1.917817386	0.103282	KCND3	ENSG00000171385
1	112280883	112281073	112280924	8	10	5	1.757999271	0.121253	KCND3	ENSG00000171385
1	112302824	112303046	112302880	8	8	5	1.43836304	0.235762	KCND3	ENSG00000171385
1	112304632	112304811	112304721	8	8	0	8.630178238	0.00235436	KCND3	ENSG00000171385
1	112320907	112321395	112321194	15	27	17	1.491635745	0.0879967	KCND3	ENSG00000171385
1	112334252	112334455	112334384	8	8	9	0.863017824	0.627343	KCND3	ENSG00000171385
1	112335505	112335896	112335668	15	21	12	1.622768557	0.076896	KCND3	ENSG00000171385
1	112339582	112339856	112339719	8	13	5	2.237453617	0.038866	KCND3	ENSG00000171385
1	112358712	112358896	112358776	8	9	2	3.19636231	0.0229249	KCND3	ENSG00000171385
1	112702861	112703200	112703075	17	21	5	3.515998541	0.00108602		ENSG00000217202
1	112846032	112846308	112846170	8	11	1	5.753452158	0.00215302	WNT2B	ENSG00000134245
1	112963950	112964166	112964056	9	10	2	3.515998541	0.0136204	ST7L	ENSG00000007341
1	112990380	112990716	112990539	10	13	2	4.474907234	0.00269459		ENSG00000209307
1	113031488	113031930	113031712	53	71	0	69.0414259	9.44E-22	MOV10	ENSG00000155363

1	113045135	113045407	113045280	8	10	1	5.273997812	0.00391723	RHOC	ENSG00000155366
1	113047922	113048182	113048052	11	12	1	6.232906505	0.00117736	RHOC	ENSG00000155366
1	113106964	113107605	113107391	60	84	0	81.50723891	1.51E-25		ENSG00000198789
1	113416913	113417131	113417022	12	13	5	2.237453617	0.038866	LRIG2	ENSG00000198799
1	113801177	113801393	113801285	8	9	1	4.794543465	0.00708517		ENSG00000213300
1	113886534	113886740	113886637	8	8	5	1.43836304	0.235762		ENSG00000217056
1	113888217	113888424	113888320	8	8	0	8.630178238	0.00235436		ENSG00000217056
1	114087998	114088246	114088122	8	10	4	2.109599125	0.0694668	PHTF1	ENSG00000116793
1	114102431	114102704	114102567	10	12	2	4.155271003	0.0046638	PHTF1	ENSG00000116793
1	114148883	114149212	114149047	10	15	5	2.557089848	0.0169197	RSBN1	ENSG00000081019
1	114152795	114153037	114152914	8	10	6	1.506856518	0.188853	RSBN1	ENSG00000081019
1	114154101	114154525	114154261	10	18	12	1.401481936	0.168368	RSBN1	ENSG00000081019
1	114155413	114155811	114155643	18	25	18	1.312190843	0.179876	RSBN1	ENSG00000081019
1	114155919	114156181	114156050	9	11	18	0.605626543	0.918575	RSBN1	ENSG00000081019
1	114156326	114156937	114156676	22	44	20	2.054804342	0.00225076	RSBN1	ENSG00000081019
1	114167486	114167764	114167593	9	12	2	4.155271003	0.0046638	RSBN1	ENSG00000081019
1	114209093	114209385	114209262	9	11	11	0.958908693	0.540507	HIPK1	ENSG00000163349
1	114212719	114212952	114212807	9	9	5	1.598181155	0.170911	PTPN22	ENSG00000134242
1	114216804	114216993	114216904	8	9	10	0.871735176	0.624623	PTPN22	ENSG00000134242
1	114218548	114218816	114218682	10	14	10	1.307602763	0.244096	PTPN22	ENSG00000134242
1	114220362	114220563	114220475	9	11	3	2.876726079	0.0213797	PTPN22	ENSG00000134242
1	114222507	114222716	114222606	13	14	9	1.43836304	0.179537	PTPN22	ENSG00000134242
1	114229394	114229597	114229497	9	9	5	1.598181155	0.170911	C1orf178	ENSG00000188761
1	114244303	114244499	114244394	8	10	4	2.109599125	0.0694668	AP4B1	ENSG00000134262
1	114245250	114245543	114245380	9	11	3	2.876726079	0.0213797	AP4B1	ENSG00000134262
1	114248409	114248775	114248583	9	16	11	1.358453982	0.20248	AP4B1	ENSG00000134262
1	114248781	114250204	114249422	38	111	39	2.684944341	5.19E-09	AP4B1	ENSG00000134262
1	114252134	114252419	114252310	8	11	5	1.917817386	0.0843804	DCLRE1B	ENSG00000118655
1	114258556	114258756	114258656	8	9	2	3.19636231	0.0229249	DCLRE1B	ENSG00000118655
1	114260330	114260673	114260532	8	12	2	4.155271003	0.0046638	DCLRE1B	ENSG00000118655
1	114261278	114261619	114261448	27	33	11	2.716907964	0.000672572	DCLRE1B	ENSG00000118655
1	114262016	114262238	114262127	8	10	2	3.515998541	0.0136204	HIPK1	ENSG00000163349
1	114262776	114262979	114262877	8	8	7	1.07877228	0.435076	HIPK1	ENSG00000163349
1	114266274	114266649	114266476	8	14	4	2.876726079	0.01219	HIPK1	ENSG00000163349

1	114270589	114270805	114270677	8	11	8	1.278544924	0.28289	HIPK1	ENSG00000163349
1	114271945	114272137	114272048	8	9	6	1.369869562	0.253675	HIPK1	ENSG00000163349
1	114272752	114272985	114272907	13	14	17	0.799090578	0.74177	HIPK1	ENSG00000163349
1	114272988	114273799	114273623	20	56	32	1.656296833	0.00913243	HIPK1	ENSG00000163349
1	114274197	114275044	114274358	12	39	23	1.598181155	0.0315891	HIPK1	ENSG00000163349
1	114275150	114275367	114275258	9	10	6	1.506856518	0.188853	HIPK1	ENSG00000163349
1	114275686	114276492	114276058	8	25	14	1.662108401	0.053254	HIPK1	ENSG00000163349
1	114280018	114280334	114280173	8	10	4	2.109599125	0.0694668	HIPK1	ENSG00000163349
1	114284237	114284486	114284361	8	11	4	2.301380863	0.0459276	HIPK1	ENSG00000163349
1	114284657	114284880	114284768	9	11	4	2.301380863	0.0459276	HIPK1	ENSG00000163349
1	114290396	114290664	114290554	12	15	6	2.191791298	0.0328001	HIPK1	ENSG00000163349
1	114294080	114294369	114294228	8	12	3	3.116453252	0.0131971	HIPK1	ENSG00000163349
1	114310240	114310481	114310360	10	12	8	1.385090334	0.219216	HIPK1	ENSG00000163349
1	114322843	114323333	114323022	9	20	16	1.184534268	0.298622	OLFML3	ENSG00000116774
1	114342403	114342597	114342516	9	10	5	1.757999271	0.121253		ENSG00000216343
1	114342979	114343188	114343105	9	9	3	2.397271733	0.0539397		ENSG00000216343
1	114354533	114354751	114354638	8	8	3	2.157544559	0.0836802		ENSG00000216343
1	114377004	114377367	114377183	10	17	12	1.327719729	0.212795		ENSG00000216343
1	114377663	114377920	114377791	9	12	13	0.890415215	0.619237		ENSG00000216343
1	114378844	114379118	114378981	10	12	1	6.232906505	0.00117736		ENSG00000216343
1	114382367	114382565	114382505	8	10	7	1.318499453	0.269217		ENSG00000216343
1	114387410	114387695	114387552	8	8	6	1.232882605	0.333038		ENSG00000216343
1	114398060	114398289	114398150	8	10	2	3.515998541	0.0136204		ENSG00000216343
1	114406941	114407236	114407088	12	14	15	0.8989769	0.617119		ENSG00000216343
1	114413666	114413845	114413785	8	9	2	3.19636231	0.0229249		ENSG00000216343
1	114416642	114416892	114416762	8	12	1	6.232906505	0.00117736		ENSG00000216343
1	114418043	114418292	114418167	8	9	8	1.065454103	0.442605		ENSG00000216343
1	114419185	114419525	114419351	9	14	11	1.198635866	0.315918		ENSG00000216343
1	114427152	114427596	114427418	12	21	7	2.636998906	0.00562102	SYT6	ENSG00000134207
1	114433828	114434055	114433941	8	11	20	0.547947825	0.956941	SYT6	ENSG00000134207
1	114434285	114434624	114434454	12	18	6	2.602752167	0.00970422	SYT6	ENSG00000134207
1	114437127	114437473	114437299	8	12	12	0.958908693	0.542188	SYT6	ENSG00000134207
1	114437809	114438161	114437985	9	15	8	1.704726565	0.0916153	SYT6	ENSG00000134207
1	114441072	114441409	114441282	8	12	9	1.246581301	0.295061	SYT6	ENSG00000134207

1	114443273	114443505	114443389	8	8	7	1.07877228	0.435076	SYT6	ENSG00000134207
1	114445501	114445680	114445589	8	8	3	2.157544559	0.0836802	SYT6	ENSG00000134207
1	114448052	114448468	114448231	9	16	8	1.811271976	0.0663685	SYT6	ENSG00000134207
1	114450218	114450438	114450370	9	12	7	1.558226626	0.152813	SYT6	ENSG00000134207
1	114452260	114452733	114452554	10	19	8	2.130908207	0.0233014	SYT6	ENSG00000134207
1	114455397	114455631	114455507	9	9	4	1.917817386	0.103282	SYT6	ENSG00000134207
1	114457557	114457864	114457710	12	17	11	1.43836304	0.15834	SYT6	ENSG00000134207
1	114460179	114460487	114460352	8	12	10	1.133255728	0.37674	SYT6	ENSG00000134207
1	114460489	114460740	114460586	9	11	11	0.958908693	0.540507	SYT6	ENSG00000134207
1	114463232	114463485	114463358	9	10	11	0.878999635	0.622439	SYT6	ENSG00000134207
1	114473249	114473447	114473348	8	8	10	0.784561658	0.708731	SYT6	ENSG00000134207
1	114476446	114476776	114476647	8	12	6	1.78083043	0.0985525	SYT6	ENSG00000134207
1	114481199	114481548	114481373	8	13	6	1.917817386	0.0693353	SYT6	ENSG00000134207
1	114483578	114483823	114483659	9	12	12	0.958908693	0.542188	SYT6	ENSG00000134207
1	114492936	114493187	114493023	10	10	10	0.958908693	0.538751	SYT6	ENSG00000134207
1	114507449	114508097	114507628	8	25	10	2.266511456	0.00802978	SYT6	ENSG00000134207
1	114508276	114508527	114508401	10	12	3	3.116453252	0.0131971	SYT6	ENSG00000134207
1	114509234	114509572	114509408	8	13	8	1.491635745	0.166708	SYT6	ENSG00000134207
1	114513419	114513653	114513501	9	11	6	1.643843474	0.137712	SYT6	ENSG00000134207
1	114515721	114516143	114515895	9	16	10	1.481949798	0.147733	SYT6	ENSG00000134207
1	114516349	114516587	114516438	9	11	12	0.885146486	0.620672	SYT6	ENSG00000134207
1	114517037	114517226	114517088	8	10	2	3.515998541	0.0136204	SYT6	ENSG00000134207
1	114518148	114518343	114518264	8	10	8	1.171999514	0.35773	SYT6	ENSG00000134207
1	114519897	114520154	114520022	8	11	11	0.958908693	0.540507	SYT6	ENSG00000134207
1	114525458	114525745	114525631	8	12	7	1.558226626	0.152813	SYT6	ENSG00000134207
1	114525919	114526158	114526038	9	11	9	1.150690432	0.367789	SYT6	ENSG00000134207
1	114533914	114534219	114534024	8	12	7	1.558226626	0.152813	SYT6	ENSG00000134207
1	114534732	114534944	114534828	8	9	6	1.369869562	0.253675	SYT6	ENSG00000134207
1	114536482	114536754	114536618	8	10	4	2.109599125	0.0694668	SYT6	ENSG00000134207
1	114540262	114540562	114540400	8	12	3	3.116453252	0.0131971	SYT6	ENSG00000134207
1	114541061	114541329	114541216	8	10	0	10.54799562	0.000613541	SYT6	ENSG00000134207
1	114546611	114546820	114546715	8	10	3	2.636998906	0.034203	SYT6	ENSG00000134207
1	114550422	114550697	114550577	8	11	5	1.917817386	0.0843804	SYT6	ENSG00000134207
1	114552409	114552633	114552583	8	10	2	3.515998541	0.0136204	SYT6	ENSG00000134207

1	114553022	114553247	114553134	8	10	7	1.318499453	0.269217	SYT6	ENSG00000134207
1	114553997	114554342	114554169	8	14	9	1.43836304	0.179537	SYT6	ENSG00000134207
1	114559629	114560048	114559822	12	21	14	1.406399416	0.148881	SYT6	ENSG00000134207
1	114561989	114562320	114562154	8	12	13	0.890415215	0.619237	SYT6	ENSG00000134207
1	114562771	114563103	114562937	8	13	8	1.491635745	0.166708	SYT6	ENSG00000134207
1	114563722	114564009	114563846	9	12	14	0.831054201	0.689281	SYT6	ENSG00000134207
1	114564020	114564291	114564146	11	15	4	3.068507818	0.0076507	SYT6	ENSG00000134207
1	114565099	114565514	114565278	9	16	13	1.164389127	0.333296	SYT6	ENSG00000134207
1	114566924	114567143	114567040	9	10	4	2.109599125	0.0694668	SYT6	ENSG00000134207
1	114567493	114567684	114567611	10	10	7	1.318499453	0.269217	SYT6	ENSG00000134207
1	114570242	114570764	114570391	9	20	10	1.830643869	0.0454769	SYT6	ENSG00000134207
1	114575534	114575751	114575711	10	13	7	1.678090213	0.11195	SYT6	ENSG00000134207
1	114577440	114577810	114577642	8	14	8	1.598181155	0.124586	SYT6	ENSG00000134207
1	114579072	114579374	114579224	11	14	4	2.876726079	0.01219	SYT6	ENSG00000134207
1	114601210	114601668	114601491	8	14	11	1.198635866	0.315918	SYT6	ENSG00000134207
1	114606600	114606793	114606696	9	10	4	2.109599125	0.0694668	SYT6	ENSG00000134207
1	114607246	114607438	114607337	8	10	8	1.171999514	0.35773	SYT6	ENSG00000134207
1	114610096	114610518	114610275	9	17	12	1.327719729	0.212795	SYT6	ENSG00000134207
1	114610579	114610793	114610686	8	8	4	1.726035648	0.150596	SYT6	ENSG00000134207
1	114611352	114611650	114611501	8	12	8	1.385090334	0.219216	SYT6	ENSG00000134207
1	114614698	114615019	114614909	9	13	10	1.220429246	0.306001	SYT6	ENSG00000134207
1	114626849	114627088	114627023	8	11	14	0.767126954	0.756447	SYT6	ENSG00000134207
1	114632883	114633076	114632989	8	8	2	2.876726079	0.0381137	SYT6	ENSG00000134207
1	114640560	114640905	114640732	9	14	5	2.397271733	0.0258078	SYT6	ENSG00000134207
1	114644670	114645075	114644910	9	15	7	1.917817386	0.0572317	SYT6	ENSG00000134207
1	114654938	114655497	114655217	12	23	11	1.917817386	0.0274129		ENSG00000216325
1	114664975	114665195	114665072	9	10	7	1.318499453	0.269217		ENSG00000216325
1	114672462	114672694	114672564	8	9	4	1.917817386	0.103282		ENSG00000216325
1	114680263	114680916	114680674	94	127	15	7.671269544	8.08E-23		ENSG00000216325
1	114682389	114682591	114682452	8	9	8	1.065454103	0.442605		ENSG00000216325
1	114686732	114687044	114686874	8	12	13	0.890415215	0.619237		ENSG00000216325
1	114690499	114691163	114690831	22	49	21	2.179337939	0.000712264		ENSG00000216325
1	114691167	114691505	114691340	10	14	10	1.307602763	0.244096		ENSG00000216325
1	114696384	114696597	114696482	11	12	5	2.077635502	0.0577144		ENSG00000216325

1	114730863	114731119	114730991	10	11	6	1.643843474	0.137712		ENSG00000216325
1	114736896	114737173	114737003	9	12	1	6.232906505	0.00117736		ENSG00000216325
1	114760602	114760855	114760749	8	9	0	9.589086931	0.00120187		ENSG00000216325
1	114765611	114765889	114765744	9	14	8	1.598181155	0.124586		ENSG00000216325
1	114772309	114772726	114772469	9	17	10	1.569123316	0.112309		ENSG00000216325
1	114778807	114779720	114779025	50	94	8	10.12181398	1.56E-19		ENSG00000216325
1	114784943	114785132	114785018	8	9	8	1.065454103	0.442605		ENSG00000216325
1	114793377	114793577	114793410	8	10	5	1.757999271	0.121253		ENSG00000216325
1	114802648	114803058	114802781	9	14	11	1.198635866	0.315918		ENSG00000216325
1	114803179	114803497	114803338	9	14	11	1.198635866	0.315918		ENSG00000216325
1	114803770	114803951	114803905	8	8	4	1.726035648	0.150596		ENSG00000216325
1	114810489	114810790	114810624	9	12	7	1.558226626	0.152813		ENSG00000217263
1	114838602	114838901	114838764	9	11	7	1.43836304	0.204844		ENSG00000201114
1	114840307	114840486	114840396	8	9	12	0.737622072	0.769563		ENSG00000201114
1	114849211	114849796	114849508	13	32	14	2.109599125	0.00600552	TRIM33	ENSG00000197323
1	114851263	114851514	114851421	8	10	10	0.958908693	0.538751	TRIM33	ENSG00000197323
1	114852960	114853433	114853254	10	19	12	1.475244143	0.131365	TRIM33	ENSG00000197323
1	114853769	114854677	114854250	13	43	29	1.406399416	0.0718029	TRIM33	ENSG00000197323
1	114855356	114856200	114855535	22	46	38	1.155607912	0.250256	TRIM33	ENSG00000197323
1	114856471	114856727	114856621	13	16	7	2.037680973	0.0400399	TRIM33	ENSG00000197323
1	114857727	114858145	114857975	10	15	9	1.534253909	0.136498	TRIM33	ENSG00000197323
1	114862621	114862984	114862843	11	16	6	2.328778255	0.0221113	TRIM33	ENSG00000197323
1	114868585	114868993	114868742	11	16	5	2.716907964	0.0109645		ENSG00000216823
1	114869026	114869428	114869205	10	18	10	1.656296833	0.0841786		ENSG00000216823
1	114873177	114873924	114873435	15	38	7	4.674679879	1.79E-06		ENSG00000216823
1	114883279	114883559	114883453	11	15	11	1.278544924	0.254978		ENSG00000216823
1	114894759	114895020	114894910	9	11	13	0.821921737	0.693119		ENSG00000216823
1	114898595	114899128	114898961	14	24	11	1.997726444	0.0196649		ENSG00000216823
1	114900312	114900491	114900401	8	8	3	2.157544559	0.0836802		ENSG00000216823
1	114900764	114900958	114900852	9	10	2	3.515998541	0.0136204		ENSG00000216823
1	114902812	114903230	114902991	10	19	9	1.917817386	0.0394029	BCAS2	ENSG00000116752
1	114910211	114910455	114910306	8	8	6	1.232882605	0.333038	BCAS2	ENSG00000116752
1	114916201	114916458	114916329	9	12	3	3.116453252	0.0131971	BCAS2	ENSG00000116752
1	114925170	114926180	114925603	27	72	39	1.750008365	0.00175951	BCAS2	ENSG00000116752

1	114926248	114926797	114926618	9	22	10	2.004990904	0.023438	BCAS2	ENSG00000116752
1	114926985	114927281	114927134	13	17	5	2.876726079	0.00703033	BCAS2	ENSG00000116752
1	114929935	114930239	114930109	8	12	8	1.385090334	0.219216	BCAS2	ENSG00000116752
1	114950813	114951117	114950974	8	11	9	1.150690432	0.367789	BCAS2	ENSG00000116752
1	114953182	114953393	114953302	9	9	4	1.917817386	0.103282	BCAS2	ENSG00000116752
1	114954000	114954309	114954130	11	15	16	0.902502299	0.616352	BCAS2	ENSG00000116752
1	114954772	114955508	114954949	47	78	14	5.05025245	6.99E-12	BCAS2	ENSG00000116752
1	114964550	114964847	114964691	8	13	8	1.491635745	0.166708	BCAS2	ENSG00000116752
1	114972966	114973257	114973111	14	17	6	2.465765211	0.014729	DENND2C	ENSG00000175984
1	114976662	114976984	114976873	8	12	5	2.077635502	0.0577144	DENND2C	ENSG00000175984
1	114984029	114984287	114984158	9	12	14	0.831054201	0.689281	DENND2C	ENSG00000175984
1	115012783	115013250	115012962	9	17	14	1.150690432	0.340986	DENND2C	ENSG00000175984
1	115013355	115014218	115013658	16	47	20	2.191791298	0.000831919	DENND2C	ENSG00000175984
1	115014320	115014905	115014499	12	25	18	1.312190843	0.179876	DENND2C	ENSG00000175984
1	115014956	115015386	115015094	10	18	6	2.602752167	0.00970422	DENND2C	ENSG00000175984
1	115030505	115030937	115030631	8	15	7	1.917817386	0.0572317	AMPD1	ENSG00000116748
1	115031503	115031941	115031649	9	16	15	1.018840486	0.477384	AMPD1	ENSG00000116748
1	115033224	115033568	115033453	11	16	6	2.328778255	0.0221113	AMPD1	ENSG00000116748
1	115050662	115051140	115050986	8	16	7	2.037680973	0.0400399		ENSG00000223048
1	115055841	115056068	115055947	8	8	2	2.876726079	0.0381137	NRAS	ENSG00000213281
1	115060250	115060495	115060368	8	11	7	1.43836304	0.204844	NRAS	ENSG00000213281
1	115060577	115061194	115060885	11	28	32	0.842677336	0.750511	NRAS	ENSG00000213281
1	115067882	115068263	115068092	9	15	4	3.068507818	0.0076507		ENSG00000201900
1	115082190	115082436	115082313	8	10	7	1.318499453	0.269217	CSDE1	ENSG00000009307
1	115084608	115084795	115084739	8	8	2	2.876726079	0.0381137	CSDE1	ENSG00000009307
1	115092797	115093166	115092996	10	16	6	2.328778255	0.0221113	CSDE1	ENSG00000009307
1	115095773	115096148	115096011	9	15	9	1.534253909	0.136498	CSDE1	ENSG00000009307
1	115097585	115097815	115097722	10	11	6	1.643843474	0.137712	CSDE1	ENSG00000009307
1	115100722	115101204	115100901	14	26	12	1.991579593	0.0165204	CSDE1	ENSG00000009307
1	115101255	115102658	115102351	22	86	48	1.702552169	0.00115097	CSDE1	ENSG00000009307
1	115112770	115113258	115112949	9	19	11	1.598181155	0.0927758	CSDE1	ENSG00000009307
1	115119345	115119532	115119439	9	9	4	1.917817386	0.103282		ENSG00000052723
1	115124298	115124546	115124458	9	12	7	1.558226626	0.152813		ENSG00000052723
1	115124560	115125082	115124802	13	27	15	1.678090213	0.0444653		ENSG00000052723

1	115137523	115137702	115137630	9	9	8	1.065454103	0.442605		ENSG00000052723
1	115147120	115147627	115147448	17	29	8	3.19636231	0.000376248		ENSG00000052723
1	115236038	115236271	115236185	8	10	1	5.273997812	0.00391723	SYCP1	ENSG00000198765
1	115380892	115381097	115381030	8	9	7	1.198635866	0.346278	TSHB	ENSG00000134200
1	115381224	115381590	115381421	27	34	9	3.356180426	9.18E-05	TSHB	ENSG00000134200
1	115385301	115385540	115385440	10	10	1	5.273997812	0.00391723	TSHB	ENSG00000134200
1	115385916	115386095	115386007	8	8	7	1.07877228	0.435076	TSHB	ENSG00000134200
1	115396707	115396954	115396823	11	14	5	2.397271733	0.0258078	TSHB	ENSG00000134200
1	115399219	115399398	115399280	8	8	3	2.157544559	0.0836802	TSHB	ENSG00000134200
1	115644652	115644967	115644793	18	22	0	22.05489994	1.92E-07	NGF	ENSG00000134259
1	115803001	115803192	115803096	10	11	3	2.876726079	0.0213797		ENSG00000216304
1	115814100	115814346	115814228	10	13	2	4.474907234	0.00269459		ENSG00000216304
1	115952319	115952640	115952479	9	13	4	2.684944341	0.01921		ENSG00000222797
1	115986904	115987164	115987033	10	12	3	3.116453252	0.0131971	VANGL1	ENSG00000173218
1	116058855	116059365	116059108	13	24	11	1.997726444	0.0196649	CASQ2	ENSG00000118729
1	116112989	116113168	116113111	8	8	5	1.43836304	0.235762	CASQ2	ENSG00000118729
1	116115889	116116429	116116079	43	64	1	31.16453252	3.43E-18	CASQ2	ENSG00000118729
1	116173527	116173733	116173630	8	8	4	1.726035648	0.150596	NHLH2	ENSG00000177551
1	116182765	116182981	116182871	8	8	1	4.315089119	0.0127267	NHLH2	ENSG00000177551
1	116183138	116184229	116183604	71	154	5	24.7718079	1.30E-38	NHLH2	ENSG00000177551
1	116221614	116221976	116221835	30	36	1	17.73981082	3.00E-10		ENSG00000219640
1	116345995	116346339	116346167	10	14	3	3.595907599	0.00486913	SLC22A15	ENSG00000163393
1	116478463	116478677	116478551	8	8	1	4.315089119	0.0127267	C1orf161	ENSG00000173212
1	116720253	116720794	116720628	16	29	7	3.595907599	0.000155266	ATP1A1	ENSG00000163399
1	116762965	116763145	116763055	8	8	2	2.876726079	0.0381137		ENSG00000203865
1	116777187	116777366	116777306	8	8	4	1.726035648	0.150596		ENSG00000203865
1	116797512	116798088	116797806	14	27	16	1.579379024	0.0636678		ENSG00000200547
1	116815545	116815724	116815679	8	8	11	0.71918152	0.777546		ENSG00000200547
1	116818455	116818724	116818576	8	11	6	1.643843474	0.137712		ENSG00000200547
1	116843199	116843541	116843370	18	22	10	2.004990904	0.023438		ENSG00000177173
1	116881718	116881974	116881860	11	13	5	2.237453617	0.038866		ENSG00000177173
1	116914293	116914553	116914442	9	10	2	3.515998541	0.0136204	CD58	ENSG00000116815
1	116918982	116919195	116919038	8	9	8	1.065454103	0.442605	CD58	ENSG00000116815
1	117018838	117019203	117019064	12	17	6	2.465765211	0.014729		ENSG00000211543

1	117038003	117038234	117038130	9	11	0	11.50690432	0.000313206	C1orf137	ENSG00000203864
1	117050450	117050766	117050594	9	12	9	1.246581301	0.295061		ENSG00000219018
1	117064712	117064983	117064887	9	12	3	3.116453252	0.0131971		ENSG00000219018
1	117143424	117143673	117143548	8	10	0	10.54799562	0.000613541		ENSG00000220126
1	117197839	117198195	117198017	12	18	3	4.554816292	0.000599415		ENSG00000221425
1	117222108	117224245	117223435	145	333	20	15.25121445	4.43E-72		ENSG00000221425
1	117306500	117306680	117306590	8	8	4	1.726035648	0.150596		ENSG00000209147
1	117357430	117357793	117357699	10	16	8	1.811271976	0.0663685	IGSF2	ENSG00000134256
1	117404223	117404429	117404302	8	10	6	1.506856518	0.188853	TTF2	ENSG00000116830
1	117404438	117404866	117404561	8	18	9	1.821926517	0.0548428	TTF2	ENSG00000116830
1	117411919	117412286	117412084	10	15	6	2.191791298	0.0328001	TTF2	ENSG00000116830
1	117466227	117466414	117466378	8	8	4	1.726035648	0.150596	TRIM45	ENSG00000134253
1	117472868	117473163	117472996	9	10	4	2.109599125	0.0694668	TRIM45	ENSG00000134253
1	117555052	117555239	117555179	8	9	7	1.198635866	0.346278	VTCN1	ENSG00000134258
1	117612946	117613161	117613022	8	9	9	0.958908693	0.536911		ENSG00000223204
1	117613290	117613483	117613360	8	9	8	1.065454103	0.442605		ENSG00000223204
1	117677243	117677446	117677344	8	8	5	1.43836304	0.235762	MAN1A2	ENSG00000198162
1	117947016	117947233	117947152	8	9	3	2.397271733	0.0539397	FAM46C	ENSG00000183508
1	117971763	117972258	117972088	16	28	6	3.972621728	9.48E-05		ENSG00000213262
1	118018770	118019003	118018924	9	12	4	2.493162602	0.0299057		ENSG00000212266
1	118076163	118076455	118076331	10	11	4	2.301380863	0.0459276		ENSG00000212266
1	118102987	118103453	118103166	9	21	3	5.273997812	0.00011662		ENSG00000218616
1	118239754	118240000	118239864	10	11	4	2.301380863	0.0459276	GDAP2	ENSG00000196505
1	118980045	118980261	118980153	8	9	1	4.794543465	0.00708517		ENSG00000218441
1	119640951	119641201	119641072	10	10	0	10.54799562	0.000613541		ENSG00000194297
1	119685591	119685841	119685733	10	12	2	4.155271003	0.0046638		ENSG00000194297
1	119702916	119703167	119703006	15	18	4	3.643853034	0.00178791	HAO2	ENSG00000116882
1	119732687	119732887	119732763	8	9	3	2.397271733	0.0539397	HAO2	ENSG00000116882
1	119949351	119949535	119949414	8	9	1	4.794543465	0.00708517		ENSG00000198857
1	119955774	119955974	119955874	8	9	1	4.794543465	0.00708517		ENSG00000198857
1	120018944	120019161	120019052	9	10	2	3.515998541	0.0136204	PHGDH	ENSG00000092621
1	120088338	120088541	120088439	8	9	11	0.799090578	0.702688	HMGCS2	ENSG00000134240
1	120110507	120110754	120110641	8	9	6	1.369869562	0.253675	HMGCS2	ENSG00000134240
1	120124135	120124398	120124255	8	10	12	0.811384279	0.697544	HMGCS2	ENSG00000134240

1	120135018	120135232	120135145	8	8	0	8.630178238	0.00235436	REG4	ENSG00000134193
1	120261545	120261990	120261724	18	25	3	6.232906505	1.23E-05	ADAM30	ENSG00000134249
1	120292703	120292953	120292828	8	10	4	2.109599125	0.0694668	ADAM30	ENSG00000134249
1	120987267	120987613	120987439	24	28	0	27.8083521	3.40E-09		ENSG00000216725
1	121053434	121053906	121053613	11	15	11	1.278544924	0.254978		ENSG00000216725
1	121185506	121187107	121186577	660	2736	2746	0.955417944	0.954348		ENSG00000216725
1	141477425	141477804	141477604	9	16	9	1.630144778	0.102169		ENSG00000221652
1	141479060	141479308	141479184	8	10	3	2.636998906	0.034203		ENSG00000221652
1	141775739	141775922	141775894	11	12	0	12.46581301	0.000159888		ENSG00000217764
1	142309118	142309343	142309230	9	10	3	2.636998906	0.034203		ENSG00000222289
1	142719409	142719812	142719702	10	17	15	1.07877228	0.410615		ENSG00000196369
1	142720859	142721251	142720999	11	17	10	1.569123316	0.112309		ENSG00000196369
1	142721409	142721766	142721587	12	18	11	1.518272097	0.122037		ENSG00000196369
1	142721807	142722852	142722182	343	497	34	13.64390083	6.36E-103		ENSG00000196369
1	142723975	142724420	142724253	10	20	17	1.118726809	0.361026		ENSG00000196369
1	142727196	142727582	142727409	10	16	12	1.253957522	0.265012		ENSG00000196369
1	143240525	143240819	143240672	12	14	4	2.876726079	0.01219		ENSG00000201699
1	143245208	143245632	143245354	9	16	23	0.679226991	0.892598		ENSG00000201699
1	143246532	143246929	143246662	9	16	8	1.811271976	0.0663685		ENSG00000201699
1	143250536	143250717	143250623	9	9	9	0.958908693	0.536911		ENSG00000201699
1	143579906	143580085	143580048	8	8	2	2.876726079	0.0381137		ENSG00000168614
1	143581149	143581403	143581276	9	10	7	1.318499453	0.269217		ENSG00000168614
1	143628554	143628741	143628667	8	8	0	8.630178238	0.00235436	PDE4DIP	ENSG00000178104
1	143628780	143628983	143628881	8	10	4	2.109599125	0.0694668	PDE4DIP	ENSG00000178104
1	143634964	143635222	143635096	9	10	4	2.109599125	0.0694668	PDE4DIP	ENSG00000178104
1	143643226	143644581	143643989	25	85	49	1.649322952	0.00203526	PDE4DIP	ENSG00000178104
1	143647020	143647215	143647067	8	8	3	2.157544559	0.0836802	PDE4DIP	ENSG00000178104
1	143697903	143698098	143697955	8	9	5	1.598181155	0.170911	PDE4DIP	ENSG00000178104
1	143698177	143698627	143698336	16	26	11	2.157544559	0.00983179	PDE4DIP	ENSG00000178104
1	143699096	143699289	143699192	8	8	9	0.863017824	0.627343	PDE4DIP	ENSG00000178104
1	143700532	143701391	143700918	13	45	28	1.521027582	0.0357281	PDE4DIP	ENSG00000178104
1	143702935	143703176	143703079	8	12	4	2.493162602	0.0299057	PDE4DIP	ENSG00000178104
1	143703752	143704077	143703886	15	19	15	1.198635866	0.291044	PDE4DIP	ENSG00000178104
1	143706364	143706765	143706608	9	17	15	1.07877228	0.410615	PDE4DIP	ENSG00000178104

1	143707416	143707615	143707479	8	10	7	1.318499453	0.269217	PDE4DIP	ENSG00000178104
1	143708938	143709127	143709032	9	11	13	0.821921737	0.693119	PDE4DIP	ENSG00000178104
1	143711799	143712018	143711908	10	11	6	1.643843474	0.137712	PDE4DIP	ENSG00000178104
1	143713341	143713711	143713504	9	14	5	2.397271733	0.0258078	PDE4DIP	ENSG00000178104
1	143713734	143714344	143714054	10	22	16	1.297347055	0.203559	PDE4DIP	ENSG00000178104
1	143715561	143715882	143715721	11	17	23	0.71918152	0.858071	PDE4DIP	ENSG00000178104
1	143715956	143716198	143716033	8	10	3	2.636998906	0.034203	PDE4DIP	ENSG00000178104
1	143716851	143717059	143716943	9	9	7	1.198635866	0.346278	PDE4DIP	ENSG00000178104
1	143717418	143717967	143717592	13	24	25	0.922027589	0.614196	PDE4DIP	ENSG00000178104
1	143720432	143720623	143720569	10	11	9	1.150690432	0.367789	PDE4DIP	ENSG00000178104
1	143723771	143724076	143723923	9	12	12	0.958908693	0.542188	PDE4DIP	ENSG00000178104
1	143724956	143725216	143725118	11	14	5	2.397271733	0.0258078	PDE4DIP	ENSG00000178104
1	143725316	143725694	143725495	14	21	4	4.219198249	0.000390041	PDE4DIP	ENSG00000178104
1	143727022	143727434	143727289	10	15	13	1.095895649	0.398774	PDE4DIP	ENSG00000178104
1	143735437	143735777	143735570	13	18	4	3.643853034	0.00178791	PDE4DIP	ENSG00000178104
1	143736551	143737127	143736726	8	20	18	1.05984645	0.425516	PDE4DIP	ENSG00000178104
1	143739164	143739612	143739433	10	20	15	1.25856766	0.240048	PDE4DIP	ENSG00000178104
1	143740052	143740460	143740205	8	17	8	1.917817386	0.0474153	PDE4DIP	ENSG00000178104
1	143741071	143741869	143741519	14	37	32	1.104197889	0.336845	PDE4DIP	ENSG00000178104
1	143742276	143742566	143742419	10	15	11	1.278544924	0.254978	PDE4DIP	ENSG00000178104
1	143743839	143744427	143743988	10	21	14	1.406399416	0.148881	PDE4DIP	ENSG00000178104
1	143746168	143746668	143746319	9	17	22	0.750450282	0.822065	PDE4DIP	ENSG00000178104
1	143748577	143749018	143748756	9	18	9	1.821926517	0.0548428	PDE4DIP	ENSG00000178104
1	143749644	143750085	143749886	11	21	12	1.622768557	0.076896	PDE4DIP	ENSG00000178104
1	143750293	143750742	143750463	13	23	15	1.43836304	0.12479	PDE4DIP	ENSG00000178104
1	143750884	143751995	143751205	21	68	45	1.43836304	0.0264147	PDE4DIP	ENSG00000178104
1	143752617	143752814	143752671	9	11	9	1.150690432	0.367789	PDE4DIP	ENSG00000178104
1	143753781	143754074	143753910	9	12	8	1.385090334	0.219216	PDE4DIP	ENSG00000178104
1	143755403	143755686	143755511	13	16	6	2.328778255	0.0221113	PDE4DIP	ENSG00000178104
1	143755987	143756484	143756166	15	27	24	1.073977736	0.396082	PDE4DIP	ENSG00000178104
1	143756993	143757308	143757150	9	14	13	1.027402171	0.469541	PDE4DIP	ENSG00000178104
1	143757576	143757948	143757755	13	20	18	1.05984645	0.425516	PDE4DIP	ENSG00000178104
1	143758870	143759060	143758949	10	10	7	1.318499453	0.269217	PDE4DIP	ENSG00000178104
1	143765246	143765676	143765458	13	21	9	2.109599125	0.0196396	PDE4DIP	ENSG00000178104

1	143766787	143767022	143766922	8	10	19	0.527399781	0.961307	PDE4DIP	ENSG00000178104
1	143767215	143767402	143767290	9	9	6	1.369869562	0.253675	PDE4DIP	ENSG00000178104
1	143769318	143769637	143769466	10	13	13	0.958908693	0.543805	PDE4DIP	ENSG00000178104
1	143770052	143770667	143770430	24	44	35	1.198635866	0.206612	PDE4DIP	ENSG00000178104
1	143770703	143770956	143770829	9	13	13	0.958908693	0.543805	PDE4DIP	ENSG00000178104
1	143770964	143771352	143771143	8	15	4	3.068507818	0.0076507	PDE4DIP	ENSG00000178104
1	143772965	143773241	143773144	9	12	13	0.890415215	0.619237	PDE4DIP	ENSG00000178104
1	143774344	143774577	143774460	9	10	6	1.506856518	0.188853	PDE4DIP	ENSG00000178104
1	143776913	143777115	143777014	9	10	10	0.958908693	0.538751	PDE4DIP	ENSG00000178104
1	143782981	143783218	143783099	9	10	17	0.585999757	0.924668	PDE4DIP	ENSG00000178104
1	143790754	143790978	143790842	8	9	3	2.397271733	0.0539397	PDE4DIP	ENSG00000178104
1	143792230	143792419	143792326	8	9	4	1.917817386	0.103282	PDE4DIP	ENSG00000178104
1	143793952	143794210	143794081	9	11	11	0.958908693	0.540507	PDE4DIP	ENSG00000178104
1	143798644	143798864	143798776	9	10	6	1.506856518	0.188853		ENSG00000218759
1	143803823	143804016	143803919	11	12	15	0.779113313	0.750998		ENSG00000218759
1	143807521	143807816	143807691	15	17	15	1.07877228	0.410615		ENSG00000218759
1	143810120	143810537	143810358	8	16	8	1.811271976	0.0663685		ENSG00000218759
1	143810939	143811231	143811104	11	14	11	1.198635866	0.315918		ENSG00000218759
1	143812988	143813183	143813085	8	8	13	0.616441303	0.878084		ENSG00000218759
1	143815256	143815478	143815370	9	9	11	0.799090578	0.702688		ENSG00000218759
1	143818782	143819003	143818900	9	9	13	0.684934781	0.824961		ENSG00000218759
1	143822189	143822490	143822355	12	15	9	1.534253909	0.136498		ENSG00000218759
1	143822716	143823056	143822886	9	14	3	3.595907599	0.00486913		ENSG00000218759
1	143826633	143827366	143826812	10	29	27	1.027402171	0.457998		ENSG00000218759
1	143827974	143828217	143828095	9	11	8	1.278544924	0.28289		ENSG00000218759
1	143828966	143829268	143829117	8	12	15	0.779113313	0.750998		ENSG00000218759
1	143920300	143920489	143920321	11	11	0	11.50690432	0.000313206	NOTCH2NL	ENSG00000213240
1	143988665	143988845	143988817	9	9	7	1.198635866	0.346278		ENSG00000208961
1	144094040	144094368	144094196	9	12	16	0.733283118	0.803868		ENSG00000201558
1	144106835	144107137	144107003	13	16	22	0.708758599	0.862621		ENSG00000201558
1	144107194	144107508	144107341	11	14	9	1.43836304	0.179537		ENSG00000201558
1	144107967	144108808	144108377	18	52	28	1.752488301	0.00627876		ENSG00000201558
1	144108977	144109470	144109291	16	26	15	1.61815842	0.0584619		ENSG00000201558
1	144110167	144110908	144110700	28	53	31	1.61815842	0.0137388	HFE2	ENSG00000168509

1	144110947	144111182	144111064	11	14	6	2.054804342	0.0480281	HFE2	ENSG00000168509
1	144132988	144133284	144133117	13	16	11	1.358453982	0.20248	HFE2	ENSG00000168509
1	144149175	144149508	144149351	12	16	7	2.037680973	0.0400399	TXNIP	ENSG00000117289
1	144149548	144150215	144149727	10	29	15	1.797953799	0.0249937	TXNIP	ENSG00000117289
1	144152066	144152278	144152172	8	9	5	1.598181155	0.170911	TXNIP	ENSG00000117289
1	144166561	144167103	144166832	27	52	36	1.373571912	0.0666625	POLR3GL	ENSG00000121851
1	144167238	144167601	144167352	10	16	10	1.481949798	0.147733	POLR3GL	ENSG00000121851
1	144168496	144168986	144168803	14	24	16	1.410159843	0.132195	POLR3GL	ENSG00000121851
1	144181467	144182076	144181711	13	26	15	1.61815842	0.0584619	POLR3GL	ENSG00000121851
1	144227618	144227997	144227797	10	17	16	1.015315087	0.480915	PEX11B	ENSG00000131779
1	144236148	144236500	144236324	15	20	10	1.830643869	0.0454769	ITGA10	ENSG00000143127
1	144253851	144254920	144254185	17	71	35	1.917817386	0.00048968	ANKRD35	ENSG00000198483
1	144255101	144255399	144255229	12	14	7	1.797953799	0.0806593	ANKRD35	ENSG00000198483
1	144260279	144260500	144260419	8	11	5	1.917817386	0.0843804	ANKRD35	ENSG00000198483
1	144286732	144287303	144287039	9	24	11	1.997726444	0.0196649	PIAS3	ENSG00000131788
1	144287423	144287606	144287517	8	9	4	1.917817386	0.103282	PIAS3	ENSG00000131788
1	144290675	144290886	144290780	10	11	0	11.50690432	0.000313206	PIAS3	ENSG00000131788
1	144293278	144293618	144293453	10	13	5	2.237453617	0.038866	PIAS3	ENSG00000131788
1	144313759	144314027	144313881	8	10	1	5.273997812	0.00391723	POLR3C	ENSG00000186141
1	144321847	144322395	144322197	10	23	11	1.917817386	0.0274129	POLR3C	ENSG00000186141
1	144388000	144388179	144388089	8	8	4	1.726035648	0.150596	CD160	ENSG00000117281
1	144401716	144401930	144401874	8	8	6	1.232882605	0.333038	CD160	ENSG00000117281
1	144424848	144425176	144425019	8	13	4	2.684944341	0.01921	CD160	ENSG00000117281
1	144426376	144426588	144426482	9	10	3	2.636998906	0.034203	CD160	ENSG00000117281
1	145109279	145109528	145109403	11	13	12	1.0326709	0.46514	PRKAB2	ENSG00000131791
1	145109849	145110046	145109947	8	9	4	1.917817386	0.103282	PRKAB2	ENSG00000131791
1	145110520	145110799	145110654	12	13	5	2.237453617	0.038866	PRKAB2	ENSG00000131791
1	145110893	145111160	145111026	10	12	6	1.78083043	0.0985525	PRKAB2	ENSG00000131791
1	145137380	145137584	145137482	8	9	5	1.598181155	0.170911		ENSG00000219174
1	145163416	145163663	145163533	8	10	5	1.757999271	0.121253	FMO5	ENSG00000131781
1	145175941	145176170	145176081	9	10	3	2.636998906	0.034203	CHD1L	ENSG00000131778
1	145180420	145180631	145180530	9	10	10	0.958908693	0.538751	CHD1L	ENSG00000131778
1	145180749	145180949	145180862	10	11	8	1.278544924	0.28289	CHD1L	ENSG00000131778
1	145181613	145181806	145181632	8	10	9	1.054799562	0.4492	CHD1L	ENSG00000131778

1	145212040	145212268	145212154	8	9	4	1.917817386	0.103282	CHD1L	ENSG00000131778
1	145328375	145328597	145328434	8	11	3	2.876726079	0.0213797		ENSG00000207209
1	145372435	145372618	145372526	8	8	0	8.630178238	0.00235436		ENSG00000207209
1	145430054	145430329	145430198	8	10	2	3.515998541	0.0136204		ENSG00000221166
1	145433505	145433692	145433548	9	10	3	2.636998906	0.034203		ENSG00000221166
1	145453949	145454276	145454108	12	16	10	1.481949798	0.147733	BCL9	ENSG00000116128
1	145459188	145459479	145459312	8	11	3	2.876726079	0.0213797	BCL9	ENSG00000116128
1	145499782	145499976	145499879	8	8	5	1.43836304	0.235762	BCL9	ENSG00000116128
1	145550808	145551298	145550987	14	22	7	2.756862493	0.003684	ACP6	ENSG00000162836
1	145608150	145608455	145608282	9	12	4	2.493162602	0.0299057	ACP6	ENSG00000162836
1	145609139	145609614	145609285	8	15	15	0.958908693	0.546868	ACP6	ENSG00000162836
1	145638654	145638953	145638803	13	16	6	2.328778255	0.0221113		ENSG00000208881
1	145655731	145656085	145655908	27	31	19	1.534253909	0.0623199		ENSG00000208881
1	145684088	145684322	145684196	11	13	5	2.237453617	0.038866	GJA5	ENSG00000143140
1	145779693	145779929	145779819	8	9	2	3.19636231	0.0229249		ENSG00000216883
1	145781371	145781579	145781475	8	9	3	2.397271733	0.0539397		ENSG00000216883
1	145784372	145784581	145784476	8	8	5	1.43836304	0.235762		ENSG00000216883
1	145787918	145788099	145788013	8	8	2	2.876726079	0.0381137		ENSG00000216883
1	145810429	145810713	145810571	8	9	4	1.917817386	0.103282		ENSG00000216883
1	145829077	145829281	145829209	9	11	5	1.917817386	0.0843804	GJA8	ENSG00000121634
1	146192589	146192771	146192753	8	9	7	1.198635866	0.346278		ENSG00000219731
1	146193734	146194174	146193978	14	23	14	1.534253909	0.0910901		ENSG00000199879
1	146195128	146195330	146195247	10	10	8	1.171999514	0.35773		ENSG00000199879
1	146203779	146204066	146203930	9	11	11	0.958908693	0.540507		ENSG00000199879
1	146273366	146273572	146273446	8	9	10	0.871735176	0.624623		ENSG00000202408
1	146614664	146614977	146614820	8	9	0	9.589086931	0.00120187		ENSG00000207501
1	146816409	146816617	146816558	9	10	4	2.109599125	0.0694668		ENSG00000220809
1	146817356	146817631	146817493	10	12	3	3.116453252	0.0131971		ENSG00000220809
1	146818741	146818932	146818836	8	9	3	2.397271733	0.0539397	NBPF15	ENSG00000219481
1	146819193	146819372	146819282	9	9	7	1.198635866	0.346278	NBPF15	ENSG00000219481
1	147490036	147490337	147490168	9	13	13	0.958908693	0.543805		ENSG00000206737
1	147491203	147491423	147491312	10	12	9	1.246581301	0.295061		ENSG00000206737
1	147561143	147561441	147561292	8	9	4	1.917817386	0.103282		ENSG00000208696
1	147950705	147950914	147950809	11	11	4	2.301380863	0.0459276		ENSG00000208670

1	148123339	148123586	148123450	9	10	8	1.171999514	0.35773	HIST2H2BE	ENSG00000184678
1	148123849	148124192	148124022	8	13	11	1.118726809	0.38479	HIST2H2BE	ENSG00000184678
1	148124706	148125020	148124863	11	15	9	1.534253909	0.136498	HIST2H2BE	ENSG00000184678
1	148126318	148126929	148126679	14	31	18	1.615004115	0.044781	HIST2H2AE	ENSG00000184270
1	148127183	148127373	148127300	9	10	6	1.506856518	0.188853	HIST2H2AE	ENSG00000184270
1	148137570	148137877	148137723	9	14	14	0.958908693	0.545362	BOLA1	ENSG00000178096
1	148166091	148166762	148166488	10	28	16	1.635785418	0.0488966	SF3B4	ENSG00000143368
1	148166824	148167073	148166968	11	13	11	1.118726809	0.38479	SF3B4	ENSG00000143368
1	148175299	148176167	148175711	9	32	18	1.665472993	0.0343673	MTMR11	ENSG00000014914
1	148177399	148178307	148177990	23	54	10	4.794543465	1.50E-08	MTMR11	ENSG00000014914
1	148180863	148181164	148181013	10	13	3	3.356180426	0.00805599	MTMR11	ENSG00000014914
1	148200690	148201038	148200864	9	15	9	1.534253909	0.136498	MTMR11	ENSG00000014914
1	148248220	148248526	148248357	14	18	6	2.602752167	0.00970422	OTUD7B	ENSG00000163113
1	148249174	148249675	148249333	16	27	4	5.369888681	1.60E-05	OTUD7B	ENSG00000163113
1	148260517	148260721	148260619	8	8	1	4.315089119	0.0127267	OTUD7B	ENSG00000163113
1	148302058	148302306	148302182	8	11	1	5.753452158	0.00215302	VPS45	ENSG00000136631
1	148305622	148306101	148305759	8	17	11	1.43836304	0.15834	VPS45	ENSG00000136631
1	148306225	148306826	148306430	19	34	11	2.796817021	0.000446021	VPS45	ENSG00000136631
1	148330076	148330413	148330244	8	12	3	3.116453252	0.0131971	VPS45	ENSG00000136631
1	148422803	148423042	148422922	12	13	3	3.356180426	0.00805599		ENSG00000222828
1	148452740	148453114	148452919	13	21	14	1.406399416	0.148881		ENSG00000222828
1	148474877	148475254	148475084	12	20	13	1.43836304	0.140307	ANP32E	ENSG00000143401
1	148494473	148494700	148494592	9	10	10	0.958908693	0.538751	CA14	ENSG00000118298
1	148494975	148495429	148495154	9	18	13	1.301376083	0.22245	CA14	ENSG00000118298
1	148498917	148499640	148499461	10	28	12	2.139104008	0.0083421		ENSG00000208660
1	148501008	148501245	148501177	8	10	8	1.171999514	0.35773		ENSG00000208660
1	148507374	148507761	148507601	8	14	4	2.876726079	0.01219	C1orf54	ENSG00000118292
1	148507955	148508136	148508045	9	10	9	1.054799562	0.4492	APH1A	ENSG00000117362
1	148521390	148521752	148521569	10	17	14	1.150690432	0.340986	C1orf51	ENSG00000159208
1	148532590	148533104	148532925	8	20	18	1.05984645	0.425516		ENSG00000187145
1	148560593	148560790	148560688	9	10	5	1.757999271	0.121253	PRPF3	ENSG00000117360
1	148602301	148602526	148602413	8	9	6	1.369869562	0.253675	RPRD2	ENSG00000163125
1	148602757	148603606	148603187	11	36	22	1.542592245	0.0476873	RPRD2	ENSG00000163125
1	148603790	148604125	148603962	12	17	12	1.327719729	0.212795	RPRD2	ENSG00000163125

1	148669127	148669325	148669226	9	10	2	3.515998541	0.0136204	TARS2	ENSG00000143374
1	148679479	148679720	148679624	10	11	5	1.917817386	0.0843804	TARS2	ENSG00000143374
1	148722384	148722585	148722521	8	9	1	4.794543465	0.00708517	TARS2	ENSG00000143374
1	148726157	148726680	148726392	17	27	14	1.789962894	0.029869	TARS2	ENSG00000143374
1	148749687	148749873	148749734	8	9	3	2.397271733	0.0539397	ECM1	ENSG00000143369
1	148754431	148754618	148754545	10	10	7	1.318499453	0.269217	ECM1	ENSG00000143369
1	148755351	148755567	148755432	8	9	6	1.369869562	0.253675	ECM1	ENSG00000143369
1	148795062	148795352	148795232	8	11	1	5.753452158	0.00215302	ADAMTSL4	ENSG00000143382
1	148800098	148800821	148800273	14	34	21	1.525536557	0.0564211	C1orf138	ENSG00000203804
1	148801538	148801853	148801695	8	12	6	1.78083043	0.0985525	C1orf138	ENSG00000203804
1	148816240	148816419	148816272	9	10	6	1.506856518	0.188853	MCL1	ENSG00000143384
1	148817409	148817678	148817522	9	11	5	1.917817386	0.0843804	MCL1	ENSG00000143384
1	148843825	148844150	148843987	16	22	9	2.205489994	0.0136443		ENSG00000208652
1	148858830	148859249	148859070	10	18	11	1.518272097	0.122037	ENSA	ENSG00000143420
1	148860990	148861200	148861076	9	10	3	2.636998906	0.034203	ENSA	ENSG00000143420
1	148863320	148863793	148863452	56	70	5	11.3470862	1.03E-15	ENSA	ENSG00000143420
1	148867814	148868275	148868096	12	21	14	1.406399416	0.148881	ENSA	ENSG00000143420
1	148868461	148868717	148868588	11	14	12	1.106433107	0.392094	ENSA	ENSG00000143420
1	148868739	148869194	148868918	10	19	9	1.917817386	0.0394029	ENSA	ENSG00000143420
1	148900372	148900603	148900433	13	14	4	2.876726079	0.01219	ENSA	ENSG00000143420
1	148936055	148936637	148936362	13	26	9	2.589053471	0.00289627	GOLPH3L	ENSG00000143457
1	148985517	148985699	148985605	8	8	6	1.232882605	0.333038	CTSS	ENSG00000163131
1	148986923	148987254	148987102	16	19	1	9.589086931	1.56E-05	CTSS	ENSG00000163131
1	148991104	148991316	148991210	9	9	4	1.917817386	0.103282	CTSS	ENSG00000163131
1	149052164	149052500	149052332	16	19	9	1.917817386	0.0394029		ENSG00000200175
1	149115641	149116157	149115820	16	31	12	2.360390629	0.0028142	ARNT	ENSG00000143437
1	149145433	149145814	149145595	16	22	9	2.205489994	0.0136443		ENSG00000198962
1	149145912	149146093	149146002	8	8	3	2.157544559	0.0836802		ENSG00000198962
1	149161568	149161904	149161734	13	17	11	1.43836304	0.15834	SETDB1	ENSG00000143379
1	149165279	149165681	149165474	11	19	20	0.913246374	0.614587	SETDB1	ENSG00000143379
1	149212956	149213146	149213038	9	9	7	1.198635866	0.346278	LASS2	ENSG00000143418
1	149220231	149220454	149220346	9	10	6	1.506856518	0.188853	ANXA9	ENSG00000143412
1	149234847	149235276	149235114	13	20	3	5.034270639	0.000202317	FAM63A	ENSG00000143409
1	149245757	149246066	149245936	8	13	6	1.917817386	0.0693353	FAM63A	ENSG00000143409

1	149247334	149247682	149247508	9	15	9	1.534253909	0.136498	PRUNE	ENSG00000143363
1	149263660	149263965	149263791	11	15	8	1.704726565	0.0916153	PRUNE	ENSG00000143363
1	149287666	149287881	149287815	9	10	9	1.054799562	0.4492	C1orf56	ENSG00000143443
1	149297690	149298369	149297958	97	137	18	6.964705244	2.55E-23	MLLT11	ENSG00000213190
1	149302127	149302350	149302225	8	11	2	3.835634772	0.00800699	CDC42SE1	ENSG00000197622
1	149309399	149310271	149309684	18	41	20	1.917817386	0.0057734		ENSG00000143458
1	149310377	149310572	149310462	8	9	5	1.598181155	0.170911		ENSG00000143458
1	149338919	149339126	149339022	9	10	2	3.515998541	0.0136204		ENSG00000143458
1	149385914	149386141	149385992	11	13	5	2.237453617	0.038866	SEMA6C	ENSG00000143434
1	149395171	149395432	149395288	15	18	4	3.643853034	0.00178791	TNFAIP8L2	ENSG00000163154
1	149401079	149401286	149401221	10	10	1	5.273997812	0.00391723	LYSMD1	ENSG00000163155
1	149404841	149405726	149405242	20	43	15	2.636998906	0.000188358	SCNM1	ENSG00000163156
1	149429187	149429523	149429353	16	20	11	1.678090213	0.0696225	VPS72	ENSG00000163159
1	149434257	149434767	149434483	49	77	9	7.479487806	1.57E-14	PIP5K1A	ENSG00000143398
1	149435195	149435687	149435552	12	23	9	2.301380863	0.00938618	PIP5K1A	ENSG00000143398
1	149437072	149437896	149437503	10	35	18	1.816879629	0.0147786	PIP5K1A	ENSG00000143398
1	149438046	149438544	149438398	10	19	8	2.130908207	0.0233014	PIP5K1A	ENSG00000143398
1	149438791	149439174	149438945	9	14	4	2.876726079	0.01219	PIP5K1A	ENSG00000143398
1	149439560	149439810	149439685	9	9	4	1.917817386	0.103282	PIP5K1A	ENSG00000143398
1	149477115	149477298	149477206	9	9	4	1.917817386	0.103282	PSMD4	ENSG00000159352
1	149490893	149491088	149490964	10	11	2	3.835634772	0.00800699	PSMD4	ENSG00000159352
1	149493486	149494082	149493828	12	27	6	3.835634772	0.000155182	PSMD4	ENSG00000159352
1	149494454	149494646	149494549	8	8	9	0.863017824	0.627343	PSMD4	ENSG00000159352
1	149506932	149507162	149506993	9	11	6	1.643843474	0.137712	PSMD4	ENSG00000159352
1	149520365	149521792	149521146	13	62	21	2.745965803	6.00E-06	ZNF687	ENSG00000143373
1	149539944	149540286	149540117	9	13	5	2.237453617	0.038866		ENSG00000222803
1	149548897	149549095	149548985	8	9	3	2.397271733	0.0539397		ENSG00000222803
1	149550608	149550952	149550780	21	26	10	2.353684974	0.00551687		ENSG00000222803
1	149565131	149565336	149565233	8	9	1	4.794543465	0.00708517	PI4KB	ENSG00000143393
1	149565738	149566068	149565907	8	12	12	0.958908693	0.542188	PI4KB	ENSG00000143393
1	149566533	149567279	149566888	19	42	23	1.718044742	0.0145358	PI4KB	ENSG00000143393
1	149579956	149580252	149580106	11	14	13	1.027402171	0.469541	RFX5	ENSG00000143390
1	149580636	149580877	149580764	10	11	8	1.278544924	0.28289	RFX5	ENSG00000143390
1	149585861	149586358	149586182	10	20	6	2.876726079	0.00408924	RFX5	ENSG00000143390

1	149624061	149624347	149624193	10	12	2	4.155271003	0.0046638	SELENBP1	ENSG00000143416
1	149638354	149638703	149638528	16	22	7	2.756862493	0.003684	PSMB4	ENSG00000159377
1	149682954	149683325	149683146	13	20	5	3.356180426	0.0017534	POGZ	ENSG00000143442
1	149696155	149696408	149696281	8	8	7	1.07877228	0.435076	POGZ	ENSG00000143442
1	149697152	149697671	149697452	11	22	6	3.150699991	0.00166398	POGZ	ENSG00000143442
1	149712335	149712585	149712498	11	12	4	2.493162602	0.0299057	POGZ	ENSG00000143442
1	149733949	149734179	149734029	8	9	3	2.397271733	0.0539397	CGN	ENSG00000143375
1	149750767	149750964	149750865	9	10	4	2.109599125	0.0694668	CGN	ENSG00000143375
1	149752179	149752651	149752395	20	29	8	3.19636231	0.000376248	CGN	ENSG00000143375
1	149773860	149774065	149773962	8	9	6	1.369869562	0.253675	TUFT1	ENSG00000143367
1	149774337	149774530	149774454	8	9	4	1.917817386	0.103282	TUFT1	ENSG00000143367
1	149778586	149779689	149778859	15	50	21	2.222924698	0.000506996	TUFT1	ENSG00000143367
1	149784669	149785012	149784833	9	13	5	2.237453617	0.038866		ENSG00000207606
1	149787828	149788277	149788155	14	25	15	1.558226626	0.0760878		ENSG00000207606
1	149807364	149807568	149807464	8	8	4	1.726035648	0.150596		ENSG00000219893
1	149824798	149825010	149824913	8	8	7	1.07877228	0.435076	SNX27	ENSG00000143376
1	149825025	149825262	149825143	8	11	11	0.958908693	0.540507	SNX27	ENSG00000143376
1	149833283	149833713	149833536	12	19	12	1.475244143	0.131365	SNX27	ENSG00000143376
1	149850841	149851116	149850986	16	17	7	2.157544559	0.0276499	SNX27	ENSG00000143376
1	149864016	149864370	149864242	8	13	12	1.0326709	0.46514		ENSG00000206635
1	149952960	149953478	149953139	17	31	7	3.835634772	5.95E-05	TNRC4	ENSG00000159409
1	149955943	149956236	149956085	10	15	4	3.068507818	0.0076507	TNRC4	ENSG00000159409
1	149956626	149956867	149956775	10	12	7	1.558226626	0.152813	TNRC4	ENSG00000159409
1	149965049	149965355	149965202	9	12	7	1.558226626	0.152813	TNRC4	ENSG00000159409
1	149974058	149974584	149974284	9	20	8	2.237453617	0.0160557		ENSG00000206980
1	149979067	149979392	149979229	22	27	7	3.356180426	0.000396559		ENSG00000206980
1	150002520	150003074	150002822	10	24	15	1.498294833	0.0979832	MRPL9	ENSG00000143436
1	150029022	150029214	150029118	8	9	5	1.598181155	0.170911	TDRKH	ENSG00000182134
1	150029285	150029782	150029470	10	20	14	1.34247217	0.186867	TDRKH	ENSG00000182134
1	150030185	150030394	150030288	10	11	5	1.917817386	0.0843804	TDRKH	ENSG00000182134
1	150039538	150039765	150039620	9	10	2	3.515998541	0.0136204	LINGO4	ENSG00000213171
1	150043283	150043583	150043436	8	11	6	1.643843474	0.137712	LINGO4	ENSG00000213171
1	150068861	150069080	150068970	9	9	9	0.958908693	0.536911	RORC	ENSG00000143365
1	150075597	150075865	150075724	12	15	10	1.394776281	0.191426	RORC	ENSG00000143365

1	150076020	150076265	150076180	11	13	7	1.678090213	0.11195		ENSG00000201134
1	150076316	150076523	150076454	8	9	9	0.958908693	0.536911		ENSG00000201134
1	150078308	150078623	150078465	10	12	7	1.558226626	0.152813		ENSG00000201134
1	150079365	150079689	150079529	9	13	8	1.491635745	0.166708		ENSG00000201134
1	150081269	150081482	150081375	10	10	0	10.54799562	0.000613541		ENSG00000201134
1	150097204	150097414	150097309	8	8	7	1.07877228	0.435076	THEM5	ENSG00000196407
1	150097479	150097762	150097633	8	10	5	1.757999271	0.121253	THEM5	ENSG00000196407
1	150110515	150110859	150110734	10	14	14	0.958908693	0.545362	THEM5	ENSG00000196407
1	150116504	150116720	150116666	8	8	1	4.315089119	0.0127267	THEM5	ENSG00000196407
1	150147491	150147710	150147606	9	11	3	2.876726079	0.0213797	THEM4	ENSG00000159445
1	150148217	150148525	150148390	8	11	3	2.876726079	0.0213797	THEM4	ENSG00000159445
1	150148639	150148967	150148803	11	16	14	1.086763185	0.404922	THEM4	ENSG00000159445
1	150173144	150173397	150173243	9	12	10	1.133255728	0.37674		ENSG00000215843
1	150180647	150180900	150180773	8	11	2	3.835634772	0.00800699		ENSG00000215843
1	150184902	150185178	150185025	13	16	10	1.481949798	0.147733		ENSG00000215843
1	150205136	150205679	150205536	10	23	10	2.092164421	0.0165595		ENSG00000215843
1	150206152	150206350	150206237	9	10	4	2.109599125	0.0694668		ENSG00000215843
1	150211716	150211939	150211816	8	9	9	0.958908693	0.536911	S100A10	ENSG00000197747
1	150212123	150212337	150212230	11	12	7	1.558226626	0.152813	S100A10	ENSG00000197747
1	150215996	150216256	150216165	8	10	0	10.54799562	0.000613541	S100A10	ENSG00000197747
1	150217053	150217379	150217216	8	13	7	1.678090213	0.11195	S100A10	ENSG00000197747
1	150227571	150228235	150227754	21	47	20	2.191791298	0.000831919	S100A10	ENSG00000197747
1	150228536	150229818	150229530	39	121	26	4.332846687	1.67E-15	S100A10	ENSG00000197747
1	150229821	150230299	150230080	23	39	17	2.130908207	0.00262924	S100A10	ENSG00000197747
1	150231132	150231979	150231657	27	55	22	2.334734209	0.000153635	S100A10	ENSG00000197747
1	150234098	150234559	150234229	11	20	13	1.43836304	0.140307	S100A10	ENSG00000197747
1	150240716	150241142	150240933	21	34	14	2.237453617	0.00299075	S100A10	ENSG00000197747
1	150242036	150242420	150242202	8	13	5	2.237453617	0.038866	S100A10	ENSG00000197747
1	150251324	150251560	150251392	8	9	1	4.794543465	0.00708517		ENSG00000216988
1	150252700	150253050	150252875	12	18	7	2.277408146	0.0188653		ENSG00000216988
1	150253337	150253534	150253456	8	8	4	1.726035648	0.150596		ENSG00000216988
1	150262853	150263114	150262983	8	9	5	1.598181155	0.170911		ENSG00000216988
1	150265760	150266098	150265930	13	16	6	2.328778255	0.0221113		ENSG00000216988
1	150273486	150274993	150274319	83	186	43	4.075361945	1.33E-21	S100A11	ENSG00000163191

1	150275125	150276103	150275304	15	51	23	2.077635502	0.00100431	S100A11	ENSG00000163191
1	150286783	150287910	150287059	16	63	33	1.805004599	0.00209745	S100A11	ENSG00000163191
1	150291391	150291570	150291480	8	8	7	1.07877228	0.435076	S100A11	ENSG00000163191
1	150291717	150291995	150291845	10	12	15	0.779113313	0.750998	S100A11	ENSG00000163191
1	150314430	150314740	150314589	8	11	5	1.917817386	0.0843804		ENSG00000219550
1	150316556	150316749	150316650	8	9	0	9.589086931	0.00120187		ENSG00000219550
1	150381123	150381551	150381275	10	18	14	1.214617678	0.282961	RPTN	ENSG00000215853
1	150406918	150407120	150407019	9	10	4	2.109599125	0.0694668	RPTN	ENSG00000215853
1	150424619	150424993	150424852	12	19	5	3.19636231	0.00280933	RPTN	ENSG00000215853
1	150586357	150586670	150586514	9	14	5	2.397271733	0.0258078	FLG2	ENSG00000143520
1	150606563	150606845	150606704	16	19	7	2.397271733	0.0127287	FLG2	ENSG00000143520
1	150650482	150650692	150650587	8	8	1	4.315089119	0.0127267	CRNN	ENSG00000143536
1	150679981	150680394	150680139	16	22	14	1.470326663	0.117149	CRNN	ENSG00000143536
1	150697677	150697910	150697734	8	11	4	2.301380863	0.0459276	CRNN	ENSG00000143536
1	150716588	150717029	150716850	29	38	0	37.39743903	4.09E-12	LCE5A	ENSG00000186207
1	150719367	150719693	150719545	9	12	2	4.155271003	0.0046638	LCE5A	ENSG00000186207
1	150725586	150725826	150725741	8	10	4	2.109599125	0.0694668	LCE5A	ENSG00000186207
1	150734245	150734447	150734381	8	8	3	2.157544559	0.0836802	LCE5A	ENSG00000186207
1	151025133	151025557	151025312	25	32	0	31.64398687	2.31E-10	LCE1E	ENSG00000186226
1	151272124	151272318	151272218	9	10	1	5.273997812	0.00391723	SPRR1B	ENSG00000169469
1	151362074	151362272	151362239	8	10	1	5.273997812	0.00391723	SPRR2F	ENSG00000213163
1	151594630	151594901	151594765	8	11	8	1.278544924	0.28289	S100A9	ENSG00000163220
1	151604352	151604534	151604470	8	10	2	3.515998541	0.0136204	S100A9	ENSG00000163220
1	151629940	151630224	151630082	10	14	6	2.054804342	0.0480281	S100A8	ENSG00000143546
1	151639346	151639646	151639499	9	10	3	2.636998906	0.034203		ENSG00000218387
1	151765255	151765632	151765453	15	22	2	7.351633313	1.51E-05	S100A6	ENSG00000197956
1	151805623	151806106	151805846	17	28	3	6.952088025	2.20E-06	S100A2	ENSG00000196754
1	151806579	151807077	151806804	51	67	2	21.73526371	8.29E-18	S100A2	ENSG00000196754
1	151866551	151866803	151866686	11	12	2	4.155271003	0.0046638	S100A13	ENSG00000189171
1	151872947	151873388	151873137	9	18	12	1.401481936	0.168368	C1orf77	ENSG00000160679
1	151910177	151910505	151910344	13	16	15	1.018840486	0.477384	ILF2	ENSG00000143621
1	152013891	152014199	152013990	9	13	1	6.712360851	0.000640982		ENSG00000216243
1	152036259	152036613	152036436	11	16	1	8.150723891	0.000101217		ENSG00000219979
1	152162243	152162532	152162355	9	11	12	0.885146486	0.620672	GATAD2B	ENSG00000143614

1	152162598	152162822	152162736	8	10	6	1.506856518	0.188853	GATAD2B	ENSG00000143614
1	152198006	152198239	152198102	9	9	2	3.19636231	0.0229249	CRTC2	ENSG00000160741
1	152206227	152206582	152206404	10	16	8	1.811271976	0.0663685	SLC39A1	ENSG00000143570
1	152217023	152217230	152217102	9	10	5	1.757999271	0.121253	JTB	ENSG00000143543
1	152225845	152226181	152226019	11	16	5	2.716907964	0.0109645	RAB13	ENSG00000143545
1	152229635	152230337	152229764	12	28	10	2.528032009	0.00254104	RPS27	ENSG00000177954
1	152436037	152436488	152436259	11	19	1	9.589086931	1.56E-05		ENSG00000215938
1	152511430	152511703	152511566	8	10	8	1.171999514	0.35773	HAX1	ENSG00000143575
1	152630523	152630724	152630623	8	9	3	2.397271733	0.0539397		ENSG00000217960
1	152666424	152666736	152666564	9	13	3	3.356180426	0.00805599		ENSG00000219049
1	152908983	152909281	152909132	10	13	2	4.474907234	0.00269459	ADAR	ENSG00000160710
1	152988160	152988353	152988257	8	8	3	2.157544559	0.0836802	KCNN3	ENSG00000143603
1	153052390	153053067	153052730	47	78	7	9.469223344	3.39E-16	KCNN3	ENSG00000143603
1	153098838	153099294	153099115	11	20	0	20.13708255	7.37E-07	KCNN3	ENSG00000143603
1	153101479	153101750	153101614	8	11	3	2.876726079	0.0213797	KCNN3	ENSG00000143603
1	153125544	153125755	153125618	9	9	4	1.917817386	0.103282	KCNN3	ENSG00000143603
1	153143020	153143361	153143192	18	23	4	4.602761727	0.000137072	PMVK	ENSG00000163344
1	153175606	153176578	153176406	12	41	15	2.517135319	0.000408497	PMVK	ENSG00000163344
1	153176605	153176985	153176806	14	21	3	5.273997812	0.00011662	PMVK	ENSG00000163344
1	153201245	153201452	153201341	8	9	1	4.794543465	0.00708517	PYGO2	ENSG00000163348
1	153211745	153212220	153211924	15	25	4	4.986325204	4.72E-05	SHC1	ENSG00000160691
1	153212698	153213087	153212877	11	18	2	6.073088389	0.000157975	SHC1	ENSG00000160691
1	153222222	153222456	153222308	10	12	5	2.077635502	0.0577144	FLAD1	ENSG00000160688
1	153240086	153240456	153240265	13	20	7	2.517135319	0.00849957	ZBTB7B	ENSG00000160685
1	153242690	153243559	153243071	15	42	7	5.154134225	2.23E-07	ZBTB7B	ENSG00000160685
1	153246044	153246229	153246136	9	9	1	4.794543465	0.00708517	ZBTB7B	ENSG00000160685
1	153256600	153256876	153256738	11	14	1	7.191815198	0.00034761	ZBTB7B	ENSG00000160685
1	153284016	153284205	153284110	8	9	2	3.19636231	0.0229249	ADAM15	ENSG00000143537
1	153302873	153303083	153302978	9	9	1	4.794543465	0.00708517	EFNA4	ENSG00000143620
1	153324618	153324895	153324756	11	11	3	2.876726079	0.0213797	EFNA3	ENSG00000143590
1	153407029	153407241	153407072	9	11	2	3.835634772	0.00800699	KRTCAP2	ENSG00000163463
1	153412319	153412603	153412461	12	17	8	1.917817386	0.0474153	KRTCAP2	ENSG00000163463
1	153416391	153416620	153416505	8	10	6	1.506856518	0.188853	TRIM46	ENSG00000163462
1	153425246	153425511	153425378	8	10	0	10.54799562	0.000613541	MUC1	ENSG00000185499

1	153429816	153430151	153429979	9	13	3	3.356180426	0.00805599	MUC1	ENSG00000185499
1	153477543	153477805	153477674	9	11	5	1.917817386	0.0843804	GBA	ENSG00000177628
1	153513422	153513739	153513577	10	14	0	14.3836304	4.17E-05	HCN3	ENSG00000143630
1	153559684	153559911	153559821	8	10	2	3.515998541	0.0136204	RUSC1	ENSG00000160753
1	153887827	153888144	153887966	10	15	3	3.835634772	0.00291691	ERVK5	ENSG00000198358
1	154128094	154128356	154128209	8	8	0	8.630178238	0.00235436		ENSG00000201614
1	154170149	154170405	154170268	9	11	3	2.876726079	0.0213797	KIAA0907	ENSG00000132680
1	154170984	154171167	154171080	8	9	3	2.397271733	0.0539397	KIAA0907	ENSG00000132680
1	154262341	154262615	154262481	9	10	3	2.636998906	0.034203	SSR2	ENSG00000163479
1	154289595	154289820	154289663	8	11	1	5.753452158	0.00215302	UBQLN4	ENSG00000160803
1	154291034	154291609	154291434	8	22	15	1.378431246	0.157106	ROBLD3	ENSG00000116586
1	154297418	154297739	154297578	12	17	6	2.465765211	0.014729	RAB25	ENSG00000132698
1	154327224	154327420	154327304	10	11	4	2.301380863	0.0459276	LMNA	ENSG00000160789
1	154341986	154342233	154342109	11	13	2	4.474907234	0.00269459	LMNA	ENSG00000160789
1	154359631	154360659	154360309	118	168	11	13.50463076	2.18E-36		ENSG00000203263
1	154430250	154430664	154430429	10	18	4	3.643853034	0.00178791	SLC25A44	ENSG00000160785
1	154448849	154449029	154448939	8	10	3	2.636998906	0.034203	PMF1	ENSG00000160783
1	154452705	154453420	154452882	111	193	154	1.200182493	0.0444563		ENSG00000203262
1	154519236	154519604	154519425	11	18	5	3.036544195	0.0044641	TMEM79	ENSG00000163472
1	154593416	154593712	154593577	9	13	7	1.678090213	0.11195	CCT3	ENSG00000163468
1	154619440	154619703	154619571	8	9	2	3.19636231	0.0229249	RHBG	ENSG00000132677
1	154644733	154645028	154644859	9	11	2	3.835634772	0.00800699	C1orf61	ENSG00000125462
1	154693259	154693440	154693322	8	8	2	2.876726079	0.0381137		ENSG00000206651
1	154711409	154711593	154711500	8	9	4	1.917817386	0.103282		ENSG00000206651
1	154837384	154837688	154837516	11	13	4	2.684944341	0.01921	GPATCH4	ENSG00000160818
1	154837850	154838150	154838004	9	11	6	1.643843474	0.137712	GPATCH4	ENSG00000160818
1	154896503	154896872	154896709	8	13	7	1.678090213	0.11195	NES	ENSG00000132688
1	154914477	154914688	154914582	9	9	3	2.397271733	0.0539397	NES	ENSG00000132688
1	154940236	154940432	154940334	8	9	1	4.794543465	0.00708517	CRABP2	ENSG00000143320
1	154962238	154962535	154962401	9	11	4	2.301380863	0.0459276	ISG20L2	ENSG00000143319
1	154977450	154977759	154977604	8	11	17	0.639272462	0.890352	MRPL24	ENSG00000143314
1	155003640	155004019	155003818	8	15	16	0.902502299	0.616352	PRCC	ENSG00000143294
1	155004023	155004202	155004097	8	9	10	0.871735176	0.624623	PRCC	ENSG00000143294
1	155147148	155147330	155147218	8	8	2	2.876726079	0.0381137	C1orf92	ENSG00000160838

1	155279226	155279405	155279317	8	8	2	2.876726079	0.0381137	ARHGEF11	ENSG00000132694
1	155281705	155281910	155281807	9	10	3	2.636998906	0.034203	ARHGEF11	ENSG00000132694
1	155310656	155310848	155310752	11	11	2	3.835634772	0.00800699		ENSG00000220759
1	155356518	155356713	155356615	8	10	3	2.636998906	0.034203		ENSG00000219338
1	155368962	155369384	155369189	14	23	6	3.287686948	0.00104919		ENSG00000219338
1	155394096	155394333	155394227	8	10	0	10.54799562	0.000613541	ETV3	ENSG00000117036
1	155427256	155427435	155427361	8	8	3	2.157544559	0.0836802	ETV3	ENSG00000117036
1	155816562	155816851	155816706	10	11	2	3.835634772	0.00800699	FCRL4	ENSG00000163518
1	157152577	157152835	157152713	11	13	1	6.712360851	0.000640982	PYHIN1	ENSG00000163564
1	157397496	157397764	157397630	8	11	3	2.876726079	0.0213797	CADM3	ENSG00000162706
1	158136850	158137109	158136992	11	13	6	1.917817386	0.0693353	CCDC19	ENSG00000213085
1	158152724	158152937	158152830	9	11	3	2.876726079	0.0213797	TAGLN2	ENSG00000158710
1	158521407	158521625	158521518	9	9	3	2.397271733	0.0539397	PEX19	ENSG00000162735
1	158561937	158562172	158562026	10	11	4	2.301380863	0.0459276		ENSG00000202078
1	158640599	158640884	158640759	10	11	1	5.753452158	0.00215302	VANGL2	ENSG00000162738
1	158665063	158665250	158665188	8	8	5	1.43836304	0.235762	VANGL2	ENSG00000162738
1	158860477	158860664	158860557	8	8	2	2.876726079	0.0381137	SLAMF1	ENSG00000117090
1	158963353	158963558	158963455	8	9	0	9.589086931	0.00120187	SLAMF7	ENSG00000026751
1	159311033	159311408	159311235	26	33	1	16.30144778	2.08E-09	ARHGAP30	ENSG00000186517
1	159334069	159334430	159334245	8	14	1	7.191815198	0.00034761	KLHDC9	ENSG00000162755
1	159390566	159390746	159390656	8	9	3	2.397271733	0.0539397	UFC1	ENSG00000143222
1	159634574	159634766	159634700	9	9	7	1.198635866	0.346278		ENSG00000206921
1	159718164	159718451	159718307	8	11	1	5.753452158	0.00215302	FCGR2A	ENSG00000143226
1	159776554	159776800	159776658	8	10	4	2.109599125	0.0694668		ENSG00000219527
1	159802641	159802834	159802737	8	8	0	8.630178238	0.00235436	FCGR3A	ENSG00000203747
1	159849017	159849284	159849136	8	11	3	2.876726079	0.0213797		ENSG00000203745
1	159928272	159928555	159928413	8	12	3	3.116453252	0.0131971		ENSG00000213075
1	159962393	159962678	159962535	9	11	3	2.876726079	0.0213797	FCRLB	ENSG00000162746
1	160002569	160002919	160002744	13	18	6	2.602752167	0.00970422	ATF6	ENSG00000118217
1	160203494	160203673	160203569	8	8	1	4.315089119	0.0127267	OLFML2B	ENSG00000162745
1	160330828	160331172	160331030	20	25	6	3.56166086	0.000408555	NOS1AP	ENSG00000198929
1	160520999	160521189	160521072	8	8	2	2.876726079	0.0381137		ENSG00000207729
1	160781781	160782041	160781945	10	13	2	4.474907234	0.00269459		ENSG00000219168
1	160927298	160927667	160927477	12	19	1	9.589086931	1.56E-05	DDR2	ENSG00000162733

1	161454320	161454505	161454467	8	9	2	3.19636231	0.0229249	RGS5	ENSG00000143248
1	161558096	161558559	161558275	10	21	8	2.343999027	0.0109478	NUF2	ENSG00000143228
1	162059939	162060350	162060104	16	21	0	21.09599125	3.76E-07		ENSG00000219510
1	162847622	162847918	162847770	11	15	6	2.191791298	0.0328001		ENSG00000215839
1	162937109	162937334	162937255	8	9	0	9.589086931	0.00120187		ENSG00000208426
1	162947474	162947728	162947623	11	14	0	14.3836304	4.17E-05		ENSG00000208426
1	163023134	163023581	163023300	8	13	6	1.917817386	0.0693353		ENSG00000201987
1	163350213	163350450	163350331	9	12	6	1.78083043	0.0985525	LMX1A	ENSG00000162761
1	163775252	163775568	163775410	11	16	2	5.433815927	0.000499302	LRRC52	ENSG00000162763
1	163840994	163841243	163841146	8	10	1	5.273997812	0.00391723		ENSG00000208402
1	163866686	163866955	163866820	10	14	11	1.198635866	0.315918	MGST3	ENSG00000143198
1	164004361	164004611	164004486	8	11	2	3.835634772	0.00800699	TMCO1	ENSG00000143183
1	164123848	164124057	164123993	9	10	1	5.273997812	0.00391723	UCK2	ENSG00000143179
1	164381366	164381700	164381533	8	11	1	5.753452158	0.00215302		ENSG00000215952
1	164439130	164439371	164439257	12	13	1	6.712360851	0.000640982	FAM78B	ENSG00000188859
1	164582116	164582295	164582205	8	8	0	8.630178238	0.00235436		ENSG00000215835
1	164839317	164839521	164839399	8	8	0	8.630178238	0.00235436	FMO9P	ENSG00000215834
1	165112262	165112645	165112353	8	13	2	4.474907234	0.00269459	TADA1L	ENSG00000152382
1	165249014	165249278	165249159	10	11	1	5.753452158	0.00215302		ENSG00000200036
1	165259090	165259277	165259183	9	9	0	9.589086931	0.00120187		ENSG00000200036
1	165279694	165279883	165279819	8	8	0	8.630178238	0.00235436		ENSG00000208384
1	165293150	165293397	165293257	9	10	3	2.636998906	0.034203		ENSG00000208384
1	165341802	165342110	165341956	8	11	1	5.753452158	0.00215302	DUSP27	ENSG00000198842
1	165455843	165456175	165456009	9	13	7	1.678090213	0.11195	POU2F1	ENSG00000143190
1	165458059	165458381	165458220	11	15	2	5.114179696	0.00088103	POU2F1	ENSG00000143190
1	165637207	165637447	165637327	9	9	2	3.19636231	0.0229249	POU2F1	ENSG00000143190
1	165678048	165678227	165678146	8	9	0	9.589086931	0.00120187	CD247	ENSG00000198821
1	165923942	165924191	165924048	9	9	4	1.917817386	0.103282	MPZL1	ENSG00000197965
1	165951139	165951618	165951439	10	20	5	3.356180426	0.0017534	MPZL1	ENSG00000197965
1	166039149	166039347	166039287	9	11	6	1.643843474	0.137712		ENSG00000216870
1	166172085	166172507	166172356	9	18	5	3.036544195	0.0044641	IQWD1	ENSG00000143164
1	166644783	166645104	166644957	12	15	6	2.191791298	0.0328001		ENSG00000207974
1	166839448	166839679	166839527	10	13	0	13.4247217	8.16E-05		ENSG00000216686
1	166945937	166946151	166946104	9	11	1	5.753452158	0.00215302	DPT	ENSG00000143196

1	167227434	167228087	167227791	49	73	8	7.884360365	3.25E-14		ENSG00000213063
1	167343096	167343327	167343196	10	11	1	5.753452158	0.00215302	ATP1B1	ENSG00000143153
1	167438746	167439140	167438981	15	22	0	22.05489994	1.92E-07	ATP1B1	ENSG00000143153
1	167722134	167722327	167722230	8	11	6	1.643843474	0.137712		ENSG00000213062
1	167765138	167765548	167765407	13	19	10	1.743470351	0.0622604		ENSG00000213062
1	167820356	167820819	167820526	23	37	4	7.287706067	5.74E-08	F5	ENSG00000198734
1	168017114	168017463	168017285	16	20	9	2.013708255	0.0279742	C1orf156	ENSG00000171806
1	168030536	168030944	168030685	12	19	5	3.19636231	0.00280933	C1orf156	ENSG00000171806
1	168129814	168130290	168129993	9	19	9	1.917817386	0.0394029	SCYL3	ENSG00000000457
1	168767636	168767954	168767795	16	20	10	1.830643869	0.0454769	SCYL1BP1	ENSG00000120370
1	168885463	168885689	168885576	9	9	0	9.589086931	0.00120187	PRRX1	ENSG00000116132
1	169549636	169550129	169549866	11	21	13	1.506856518	0.109266	FMO4	ENSG00000076258
1	169557945	169558182	169558063	14	16	3	4.075361945	0.00173346	FMO4	ENSG00000076258
1	169721132	169721523	169721344	8	15	4	3.068507818	0.0076507	BAT2D1	ENSG00000117523
1	169977019	169977218	169977161	8	9	5	1.598181155	0.170911	VAMP4	ENSG00000117533
1	169977854	169978103	169977956	10	10	6	1.506856518	0.188853	VAMP4	ENSG00000117533
1	169990168	169990440	169990304	10	12	1	6.232906505	0.00117736		ENSG00000218993
1	170016886	170017267	170017065	10	17	13	1.232882605	0.274309	KIAA0859	ENSG00000010165
1	170120213	170120694	170120476	8	16	5	2.716907964	0.0109645	DNM3	ENSG00000197959
1	170138215	170138700	170138475	17	26	0	25.89053471	1.31E-08	DNM3	ENSG00000197959
1	170307149	170307378	170307248	8	9	0	9.589086931	0.00120187		ENSG00000207949
1	170413704	170413938	170413821	12	14	2	4.794543465	0.00154571		ENSG00000208024
1	170442720	170443091	170442905	31	39	4	7.671269544	1.80E-08		ENSG00000208024
1	170659150	170659503	170659329	19	23	1	11.50690432	1.25E-06	C1orf105	ENSG00000180999
1	170665220	170665491	170665336	9	11	3	2.876726079	0.0213797	C1orf105	ENSG00000180999
1	170711952	170712360	170712178	32	41	1	20.13708255	1.17E-11	C1orf105	ENSG00000180999
1	170955467	170955653	170955579	8	8	3	2.157544559	0.0836802		ENSG00000219740
1	170978434	170978638	170978527	8	10	4	2.109599125	0.0694668		ENSG00000219740
1	171169664	171169858	171169761	9	9	3	2.397271733	0.0539397		ENSG00000220611
1	171873030	171873393	171873303	19	25	0	24.93162602	2.56E-08		ENSG00000208338
1	171878240	171878589	171878410	18	22	1	11.02744997	2.36E-06		ENSG00000208338
1	171950514	171950807	171950660	14	17	6	2.465765211	0.014729	KLHL20	ENSG00000076321
1	172060076	172060383	172060238	11	16	1	8.150723891	0.000101217	CENPL	ENSG00000120334
1	172129933	172130275	172130103	18	22	1	11.02744997	2.36E-06	SERPINC1	ENSG00000117601

1	172256956	172257157	172257056	9	9	1	4.794543465	0.00708517	RC3H1	ENSG00000135870
1	172350664	172350912	172350826	8	11	2	3.835634772	0.00800699		ENSG00000218626
1	172389425	172389632	172389528	10	11	5	1.917817386	0.0843804	RABGAP1L	ENSG00000152061
1	172687094	172687300	172687222	8	9	4	1.917817386	0.103282	GPR52	ENSG00000203737
1	173259104	173259517	173259381	12	19	6	2.739739123	0.00632909	MRPS14	ENSG00000120333
1	173766537	173766883	173766713	12	16	5	2.716907964	0.0109645	TNR	ENSG00000116147
1	173972475	173972814	173972644	8	13	0	13.4247217	8.16E-05	TNR	ENSG00000116147
1	174030404	174030677	174030540	9	12	1	6.232906505	0.00117736	TNR	ENSG00000116147
1	174610807	174611042	174610942	8	11	5	1.917817386	0.0843804		ENSG00000218601
1	174751367	174751550	174751435	8	9	3	2.397271733	0.0539397	PAPPA2	ENSG00000116183
1	174793306	174793609	174793453	8	12	5	2.077635502	0.0577144		ENSG00000172760
1	174808743	174808939	174808892	8	9	3	2.397271733	0.0539397		ENSG00000172760
1	175058927	175059197	175059084	13	14	1	7.191815198	0.00034761		ENSG00000202609
1	175133160	175133379	175133290	8	9	1	4.794543465	0.00708517		ENSG00000202609
1	175153254	175153460	175153357	8	8	1	4.315089119	0.0127267		ENSG00000202609
1	175406715	175406995	175406865	8	10	1	5.273997812	0.00391723	FAM5B	ENSG00000198797
1	175408678	175408969	175408802	13	16	1	8.150723891	0.000101217	FAM5B	ENSG00000198797
1	175492046	175492434	175492244	10	19	3	4.794543465	0.000349205		ENSG00000222749
1	175570046	175570283	175570178	8	8	1	4.315089119	0.0127267		ENSG00000222749
1	175591488	175591699	175591593	8	8	3	2.157544559	0.0836802		ENSG00000222749
1	175684475	175684907	175684691	9	18	12	1.401481936	0.168368		ENSG00000222749
1	175708278	175708571	175708453	8	11	4	2.301380863	0.0459276		ENSG00000222749
1	175790961	175791149	175791074	8	9	1	4.794543465	0.00708517		ENSG00000222749
1	175803190	175803426	175803308	9	9	0	9.589086931	0.00120187	SEC16B	ENSG00000120341
1	175805621	175805932	175805767	10	12	3	3.116453252	0.0131971	SEC16B	ENSG00000120341
1	175821323	175821756	175821461	21	31	17	1.704726565	0.0311659	SEC16B	ENSG00000120341
1	176015885	176016176	176016041	9	12	8	1.385090334	0.219216	SEC16B	ENSG00000120341
1	176049034	176049426	176049213	17	24	0	23.97271733	5.01E-08	SEC16B	ENSG00000120341
1	176142219	176142431	176142287	8	9	5	1.598181155	0.170911	SEC16B	ENSG00000120341
1	176150584	176150993	176150728	14	23	2	7.671269544	8.30E-06	SEC16B	ENSG00000120341
1	176181756	176182010	176181913	13	15	5	2.557089848	0.0169197	SEC16B	ENSG00000120341
1	176184191	176184393	176184292	9	9	4	1.917817386	0.103282	SEC16B	ENSG00000120341
1	176220006	176220260	176220130	15	15	6	2.191791298	0.0328001	SEC16B	ENSG00000120341
1	176267636	176267965	176267810	9	14	6	2.054804342	0.0480281		ENSG00000215831

1	176290976	176291285	176291130	8	11	7	1.43836304	0.204844		ENSG00000215831
1	176474519	176474764	176474641	10	11	0	11.50690432	0.000313206	RASAL2	ENSG00000075391
1	176633556	176633742	176633652	10	10	1	5.273997812	0.00391723		ENSG00000213058
1	176653819	176653998	176653908	8	8	2	2.876726079	0.0381137		ENSG00000213058
1	176768142	176768443	176768310	8	11	2	3.835634772	0.00800699		ENSG00000135820
1	176891587	176892038	176891740	12	19	9	1.917817386	0.0394029	RALGPS2	ENSG00000116191
1	177252713	177253076	177252962	9	15	5	2.557089848	0.0169197	FAM20B	ENSG00000116199
1	177261292	177261512	177261400	9	10	3	2.636998906	0.034203	FAM20B	ENSG00000116199
1	177274772	177275142	177274951	28	35	5	5.753452158	7.49E-07		ENSG00000217530
1	177315007	177315263	177315131	13	14	10	1.307602763	0.244096	TOR3A	ENSG00000186283
1	177341150	177341390	177341268	9	11	4	2.301380863	0.0459276	TOR3A	ENSG00000186283
1	177357065	177357251	177357172	8	8	5	1.43836304	0.235762	ABL2	ENSG00000143322
1	177391946	177392125	177392049	8	8	4	1.726035648	0.150596	ABL2	ENSG00000143322
1	177605616	177605847	177605731	10	11	2	3.835634772	0.00800699	C1orf125	ENSG00000162779
1	177827032	177827241	177827136	8	9	6	1.369869562	0.253675	TDRD5	ENSG00000162782
1	178016571	178016856	178016713	8	9	0	9.589086931	0.00120187	FAM163A	ENSG00000143340
1	178112087	178112283	178112185	8	8	2	2.876726079	0.0381137		ENSG00000218839
1	178113607	178113980	178113764	9	15	10	1.394776281	0.191426	TOR1AIP2	ENSG00000169905
1	178118169	178118649	178118487	15	23	8	2.557089848	0.00494559	TOR1AIP1	ENSG00000143337
1	178189749	178190064	178189894	8	13	9	1.34247217	0.232231	CEP350	ENSG00000135837
1	178190202	178190567	178190389	11	17	14	1.150690432	0.340986	CEP350	ENSG00000135837
1	178404644	178404862	178404758	8	11	5	1.917817386	0.0843804	QSOX1	ENSG00000116260
1	178516159	178516409	178516284	8	9	0	9.589086931	0.00120187	LHX4	ENSG00000121454
1	178735664	178735916	178735808	16	19	4	3.835634772	0.00108365	ACBD6	ENSG00000135847
1	178738560	178738759	178738648	9	9	4	1.917817386	0.103282	ACBD6	ENSG00000135847
1	178743653	178743912	178743778	11	13	2	4.474907234	0.00269459	ACBD6	ENSG00000135847
1	178751500	178752272	178751840	111	231	10	20.22425607	2.33E-54		ENSG00000206905
1	178757761	178758355	178757940	38	74	2	23.97271733	9.05E-20		ENSG00000206905
1	178777675	178777886	178777803	8	8	0	8.630178238	0.00235436		ENSG00000206905
1	178790299	178790506	178790372	10	10	2	3.515998541	0.0136204		ENSG00000206905
1	178791241	178791471	178791332	8	11	7	1.43836304	0.204844		ENSG00000206905
1	178821233	178821687	178821490	24	35	8	3.835634772	2.29E-05	XPR1	ENSG00000143324
1	179014606	179014909	179014766	11	13	0	13.4247217	8.16E-05		ENSG00000206753
1	179036756	179037022	179036919	10	11	2	3.835634772	0.00800699		ENSG00000206753

1	179098980	179099249	179099144	9	13	12	1.0326709	0.46514	KIAA1614	ENSG00000135835
1	179153246	179153472	179153340	8	9	1	4.794543465	0.00708517	KIAA1614	ENSG00000135835
1	179224389	179224702	179224558	9	13	2	4.474907234	0.00269459		ENSG00000215828
1	179227339	179227560	179227449	8	10	2	3.515998541	0.0136204		ENSG00000215828
1	179247594	179247808	179247663	8	9	1	4.794543465	0.00708517	STX6	ENSG00000135823
1	179257495	179258438	179257674	10	38	22	1.62597561	0.0290977	STX6	ENSG00000135823
1	179270022	179270227	179270060	8	10	1	5.273997812	0.00391723	MR1	ENSG00000153029
1	179270277	179270522	179270399	8	10	1	5.273997812	0.00391723	MR1	ENSG00000153029
1	179273944	179274185	179274064	9	11	8	1.278544924	0.28289	MR1	ENSG00000153029
1	179274234	179274483	179274349	9	13	9	1.34247217	0.232231	MR1	ENSG00000153029
1	179274971	179275172	179275036	8	8	4	1.726035648	0.150596	MR1	ENSG00000153029
1	179320026	179320428	179320249	15	24	9	2.397271733	0.00639731	IER5	ENSG00000162783
1	179322840	179323187	179323009	8	13	6	1.917817386	0.0693353	IER5	ENSG00000162783
1	179324361	179324759	179324515	16	25	10	2.266511456	0.00802978	IER5	ENSG00000162783
1	179325440	179325690	179325565	8	11	2	3.835634772	0.00800699	IER5	ENSG00000162783
1	179325733	179326336	179326034	13	28	9	2.78083521	0.00127094	IER5	ENSG00000162783
1	179332133	179332459	179332293	9	14	3	3.595907599	0.00486913	IER5	ENSG00000162783
1	179333524	179333794	179333659	10	13	2	4.474907234	0.00269459	IER5	ENSG00000162783
1	179334964	179336575	179335521	96	205	18	10.39658899	3.13E-40	IER5	ENSG00000162783
1	179336610	179337005	179336842	10	15	5	2.557089848	0.0169197	IER5	ENSG00000162783
1	179340343	179340620	179340483	10	12	0	12.46581301	0.000159888	IER5	ENSG00000162783
1	179340685	179340965	179340790	8	11	5	1.917817386	0.0843804	IER5	ENSG00000162783
1	179348213	179348573	179348392	26	33	7	4.075361945	2.23E-05	IER5	ENSG00000162783
1	179353373	179353748	179353569	17	24	6	3.424673904	0.000656885	IER5	ENSG00000162783
1	179354907	179355465	179355236	19	32	12	2.434152836	0.00192998	IER5	ENSG00000162783
1	179362122	179362325	179362188	9	11	4	2.301380863	0.0459276	IER5	ENSG00000162783
1	179362894	179363329	179363073	11	18	13	1.301376083	0.22245	IER5	ENSG00000162783
1	179369461	179369931	179369548	9	18	8	2.024362796	0.0334397	IER5	ENSG00000162783
1	179370239	179372149	179370892	753	1171	30	36.25293511	1.90E-292	IER5	ENSG00000162783
1	179378323	179378611	179378474	8	12	10	1.133255728	0.37674	IER5	ENSG00000162783
1	179402355	179402589	179402482	8	11	3	2.876726079	0.0213797		ENSG00000179452
1	179416180	179416364	179416313	8	9	2	3.19636231	0.0229249		ENSG00000179452
1	179523343	179523567	179523455	8	9	4	1.917817386	0.103282		ENSG00000179452
1	179595556	179595794	179595672	8	9	1	4.794543465	0.00708517	CACNA1E	ENSG00000198216

1	179659220	179659626	179659399	11	19	8	2.130908207	0.0233014		ENSG00000208272
1	179660566	179660926	179660767	27	32	7	3.955498359	3.65E-05		ENSG00000208272
1	179705431	179705913	179705734	11	21	4	4.219198249	0.000390041	CACNA1E	ENSG00000198216
1	179716304	179716530	179716408	8	10	1	5.273997812	0.00391723	CACNA1E	ENSG00000198216
1	179757332	179758124	179757748	130	192	10	16.82448889	9.55E-44	CACNA1E	ENSG00000198216
1	179822424	179822654	179822513	9	10	2	3.515998541	0.0136204	CACNA1E	ENSG00000198216
1	180003977	180004284	180004142	13	16	3	4.075361945	0.00173346		ENSG00000208267
1	180381946	180382433	180382254	30	40	4	7.863051283	1.01E-08		ENSG00000217074
1	180422192	180422480	180422348	8	11	3	2.876726079	0.0213797		ENSG00000217074
1	180681866	180682102	180681934	9	10	9	1.054799562	0.4492	RGSL1	ENSG00000121446
1	180831547	180831809	180831678	9	12	10	1.133255728	0.37674	RNASEL	ENSG00000135828
1	180837220	180837402	180837319	8	9	4	1.917817386	0.103282	RGS16	ENSG00000143333
1	180837700	180838003	180837851	8	10	2	3.515998541	0.0136204	RGS16	ENSG00000143333
1	180839488	180839679	180839642	8	10	7	1.318499453	0.269217	RGS16	ENSG00000143333
1	180840274	180840519	180840402	8	9	2	3.19636231	0.0229249	RGS16	ENSG00000143333
1	180845189	180845395	180845278	8	10	3	2.636998906	0.034203	RGS16	ENSG00000143333
1	180851760	180852129	180851950	8	14	5	2.397271733	0.0258078	RGS16	ENSG00000143333
1	180869525	180869866	180869695	8	14	10	1.307602763	0.244096	RGS16	ENSG00000143333
1	180879246	180880101	180879673	163	232	9	22.34257255	1.04E-55	RGS8	ENSG00000135824
1	180880210	180880435	180880343	8	9	5	1.598181155	0.170911	RGS8	ENSG00000135824
1	180890989	180891193	180891147	8	9	0	9.589086931	0.00120187	RGS8	ENSG00000135824
1	180923129	180923451	180923290	10	12	2	4.155271003	0.0046638	RGS8	ENSG00000135824
1	180967948	180968168	180968065	8	10	2	3.515998541	0.0136204	RGS8	ENSG00000135824
1	180996696	180996913	180996808	9	11	0	11.50690432	0.000313206	NPL	ENSG00000135838
1	180997077	180997714	180997285	119	175	0	168.76793	4.03E-52	NPL	ENSG00000135838
1	181018166	181018476	181018325	10	15	2	5.114179696	0.00088103	NPL	ENSG00000135838
1	181074636	181074930	181074784	9	12	6	1.78083043	0.0985525	DHX9	ENSG00000135829
1	181198292	181198787	181198533	56	75	5	12.14617678	4.95E-17		ENSG00000176855
1	181294179	181294460	181294295	8	10	2	3.515998541	0.0136204	LAMC1	ENSG00000135862
1	181322907	181323144	181323025	10	12	6	1.78083043	0.0985525	LAMC1	ENSG00000135862
1	181336203	181336388	181336334	8	8	1	4.315089119	0.0127267	LAMC1	ENSG00000135862
1	181395772	181396037	181395904	17	19	9	1.917817386	0.0394029	LAMC2	ENSG00000058085
1	181421831	181422029	181421955	8	9	4	1.917817386	0.103282	LAMC2	ENSG00000058085
1	181426877	181427087	181427030	8	8	0	8.630178238	0.00235436	LAMC2	ENSG00000058085

1	181517277	181517475	181517351	9	9	3	2.397271733	0.0539397		ENSG00000219772
1	181697200	181697531	181697379	11	15	6	2.191791298	0.0328001	SMG7	ENSG00000116698
1	181706164	181706386	181706275	8	9	5	1.598181155	0.170911	SMG7	ENSG00000116698
1	181707591	181707865	181707728	15	19	13	1.369869562	0.177863	SMG7	ENSG00000116698
1	181753307	181753609	181753458	10	13	2	4.474907234	0.00269459	SMG7	ENSG00000116698
1	181816112	181816301	181816287	9	9	5	1.598181155	0.170911	NCF2	ENSG00000116701
1	181870899	181871157	181871028	9	10	3	2.636998906	0.034203	ARPC5	ENSG00000162704
1	181871824	181872011	181871888	8	9	2	3.19636231	0.0229249	RGL1	ENSG00000143344
1	181891413	181891639	181891527	9	9	4	1.917817386	0.103282	APOBEC4	ENSG00000173627
1	181920882	181921180	181921024	10	11	12	0.885146486	0.620672	APOBEC4	ENSG00000173627
1	182005710	182006092	182005849	9	16	6	2.328778255	0.0221113	RGL1	ENSG00000143344
1	182040631	182040833	182040704	8	9	4	1.917817386	0.103282	RGL1	ENSG00000143344
1	182654364	182654592	182654478	9	10	4	2.109599125	0.0694668		ENSG00000221414
1	182659975	182660277	182660139	12	15	2	5.114179696	0.00088103		ENSG00000221414
1	182661665	182661905	182661792	12	12	4	2.493162602	0.0299057		ENSG00000221414
1	182709386	182709659	182709522	9	12	6	1.78083043	0.0985525		ENSG00000221414
1	182781496	182781681	182781562	8	9	5	1.598181155	0.170911		ENSG00000217919
1	182826204	182826525	182826364	11	12	3	3.116453252	0.0131971	C1orf21	ENSG00000116667
1	182922320	182922633	182922476	8	12	3	3.116453252	0.0131971	EDEM3	ENSG00000116406
1	183074446	183074740	183074593	10	12	6	1.78083043	0.0985525	FAM129A	ENSG00000135842
1	183141351	183141678	183141554	17	21	0	21.09599125	3.76E-07	FAM129A	ENSG00000135842
1	183165667	183165957	183165812	15	17	6	2.465765211	0.014729	FAM129A	ENSG00000135842
1	183217971	183218177	183218045	10	11	3	2.876726079	0.0213797	FAM129A	ENSG00000135842
1	183222260	183222461	183222360	8	9	1	4.794543465	0.00708517	FAM129A	ENSG00000135842
1	183228170	183228443	183228335	11	14	7	1.797953799	0.0806593	FAM129A	ENSG00000135842
1	183552508	183552951	183552676	10	17	5	2.876726079	0.00703033	IVNS1ABP	ENSG00000116679
1	183636919	183637109	183637010	8	9	3	2.397271733	0.0539397	IVNS1ABP	ENSG00000116679
1	183881961	183882345	183882183	17	24	3	5.993179332	2.17E-05		ENSG00000201596
1	183932470	183932863	183932696	13	19	5	3.19636231	0.00280933	HMCN1	ENSG00000143341
1	183936052	183936231	183936141	8	8	3	2.157544559	0.0836802	HMCN1	ENSG00000143341
1	184144150	184144372	184144261	9	9	0	9.589086931	0.00120187	HMCN1	ENSG00000143341
1	184145144	184145340	184145260	8	9	0	9.589086931	0.00120187	HMCN1	ENSG00000143341
1	184174999	184175233	184175100	9	9	1	4.794543465	0.00708517	HMCN1	ENSG00000143341
1	184318102	184318410	184318256	8	10	8	1.171999514	0.35773	PRG4	ENSG00000116690

1	184388445	184388788	184388619	14	19	7	2.397271733	0.0127287	PRG4	ENSG00000116690
1	184388805	184388999	184388895	9	9	5	1.598181155	0.170911	PRG4	ENSG00000116690
1	184611085	184611823	184611256	13	33	17	1.811271976	0.0175837	TPR	ENSG00000047410
1	184640321	184640500	184640410	9	9	2	3.19636231	0.0229249	C1orf27	ENSG00000157181
1	184975307	184975717	184975528	13	26	1	12.94526736	1.86E-07	PTGS2	ENSG00000073756
1	185001072	185001361	185001198	8	10	4	2.109599125	0.0694668	PLA2G4A	ENSG00000116711
1	185117463	185117642	185117552	8	8	2	2.876726079	0.0381137	PLA2G4A	ENSG00000116711
1	185163653	185163967	185163806	10	13	7	1.678090213	0.11195	PLA2G4A	ENSG00000116711
1	185498535	185498832	185498691	12	13	0	13.4247217	8.16E-05		ENSG00000203918
1	185500816	185501072	185500972	9	11	1	5.753452158	0.00215302		ENSG00000203918
1	185643866	185644324	185644129	40	58	2	18.85853763	2.68E-15		ENSG00000203918
1	185742489	185742740	185742612	9	11	0	11.50690432	0.000313206		ENSG00000203918
1	185866360	185866934	185866559	69	88	0	85.34287368	1.03E-26		ENSG00000217211
1	185874084	185875135	185874695	101	163	5	26.21017094	4.04E-41		ENSG00000217712
1	185891021	185891223	185891122	8	9	0	9.589086931	0.00120187		ENSG00000217712
1	186098373	186098552	186098465	8	8	4	1.726035648	0.150596		ENSG00000216876
1	186424145	186424396	186424310	8	11	2	3.835634772	0.00800699		ENSG00000222240
1	186585903	186586206	186586098	9	13	1	6.712360851	0.000640982		ENSG00000219094
1	186906734	186906938	186906887	9	11	2	3.835634772	0.00800699		ENSG00000217509
1	187018031	187018269	187018154	8	9	1	4.794543465	0.00708517		ENSG00000218573
1	187385469	187385699	187385541	10	12	3	3.116453252	0.0131971		ENSG00000219973
1	187387594	187387797	187387636	8	9	2	3.19636231	0.0229249		ENSG00000219973
1	188010515	188010823	188010680	16	18	5	3.036544195	0.0044641		ENSG00000217253
1	188688317	188688815	188688695	11	20	1	10.06854128	8.32E-06	FAM5C	ENSG00000162670
1	188714882	188715074	188714918	8	10	2	3.515998541	0.0136204	FAM5C	ENSG00000162670
1	188905508	188905710	188905609	9	9	4	1.917817386	0.103282		ENSG00000218693
1	188990677	188990859	188990761	8	9	0	9.589086931	0.00120187		ENSG00000218693
1	189108154	189108515	189108403	13	17	1	8.630178238	5.44E-05		ENSG00000219198
1	189390817	189391174	189391052	9	14	6	2.054804342	0.0480281		ENSG00000217637
1	189945903	189946107	189945991	12	12	1	6.232906505	0.00117736	RGS18	ENSG00000150681
1	190137329	190137790	190137556	28	43	2	14.06399416	3.68E-11	RGS18	ENSG00000150681
1	190745474	190745682	190745578	8	8	0	8.630178238	0.00235436		ENSG00000221145
1	191044758	191045069	191044932	9	14	5	2.397271733	0.0258078	RGS2	ENSG00000116741
1	191137291	191137623	191137456	32	37	2	12.14617678	1.58E-09		ENSG00000223075

1	191294988	191295422	191295223	24	34	12	2.581677251	0.000889352	UCHL5	ENSG00000116750
1	191295640	191295845	191295742	9	11	4	2.301380863	0.0459276	UCHL5	ENSG00000116750
1	191296185	191296483	191296334	8	11	4	2.301380863	0.0459276	TROVE2	ENSG00000116747
1	191358070	191358251	191358160	9	10	5	1.757999271	0.121253	CDC73	ENSG00000134371
1	192172788	192172976	192172912	8	9	1	4.794543465	0.00708517		ENSG00000219380
1	192770788	192771002	192770895	8	10	2	3.515998541	0.0136204		ENSG00000208230
1	192771044	192771518	192771288	69	87	2	28.12798833	1.97E-23		ENSG00000208230
1	193554290	193554727	193554403	11	18	0	18.21926517	2.83E-06		
1	193650764	193650943	193650859	8	8	0	8.630178238	0.00235436		
1	194368651	194368961	194368806	17	18	1	9.109632584	2.91E-05	KCNT2	ENSG00000162687
1	194732897	194733100	194732998	9	11	1	5.753452158	0.00215302	KCNT2	ENSG00000162687
1	194959171	194959494	194959332	8	10	7	1.318499453	0.269217	CFHR3	ENSG00000116785
1	195381770	195382018	195381848	8	11	4	2.301380863	0.0459276	ASPM	ENSG00000066279
1	195382201	195382482	195382341	9	12	4	2.493162602	0.0299057	ASPM	ENSG00000066279
1	195382574	195382795	195382712	10	11	4	2.301380863	0.0459276	ASPM	ENSG00000066279
1	195721617	195722055	195721876	9	17	6	2.465765211	0.014729	CRB1	ENSG00000134376
1	195978486	195978665	195978569	8	9	7	1.198635866	0.346278		ENSG00000218118
1	195996569	195996895	195996732	9	14	2	4.794543465	0.00154571	DENND1B	ENSG00000162701
1	196151501	196151918	196151728	14	22	7	2.756862493	0.003684	LHX9	ENSG00000143355
1	196439752	196440007	196439879	10	11	0	11.50690432	0.000313206		ENSG00000220810
1	196581992	196582363	196582186	12	19	6	2.739739123	0.00632909	NEK7	ENSG00000151414
1	196659409	196659742	196659577	10	13	2	4.474907234	0.00269459	ATP6V1G3	ENSG00000151418
1	196751672	196751952	196751785	8	11	6	1.643843474	0.137712	ATP6V1G3	ENSG00000151418
1	196809185	196809378	196809263	8	8	2	2.876726079	0.0381137	ATP6V1G3	ENSG00000151418
1	196904946	196905203	196905088	9	10	7	1.318499453	0.269217		ENSG00000219393
1	197126378	197126673	197126545	9	14	5	2.397271733	0.0258078		ENSG00000207759
1	197139153	197139337	197139185	8	9	6	1.369869562	0.253675		ENSG00000207759
1	197168539	197168853	197168696	14	17	8	1.917817386	0.0474153		ENSG00000177287
1	197171190	197171693	197171369	9	20	10	1.830643869	0.0454769		ENSG00000177287
1	197175108	197175445	197175276	9	15	7	1.917817386	0.0572317		ENSG00000177287
1	197206586	197206968	197206810	8	13	5	2.237453617	0.038866		ENSG00000177287
1	197349047	197349330	197349176	9	13	14	0.894981447	0.618069		ENSG00000177287
1	197444488	197444712	197444600	10	10	4	2.109599125	0.0694668		ENSG00000220028
1	197479263	197479459	197479339	9	9	0	9.589086931	0.00120187		ENSG00000220028

1	197508458	197508714	197508586	9	11	7	1.43836304	0.204844		ENSG00000220028
1	197787768	197787975	197787884	8	9	2	3.19636231	0.0229249		ENSG00000208226
1	197865375	197865625	197865476	11	12	4	2.493162602	0.0299057		ENSG00000208226
1	197994809	197995292	197995145	14	24	11	1.997726444	0.0196649		ENSG00000218096
1	198057115	198057323	198057181	8	9	6	1.369869562	0.253675		ENSG00000219067
1	198144557	198145241	198145029	56	87	5	14.06399416	3.11E-20		ENSG00000216458
1	198184656	198185189	198184889	234	323	5	51.78106943	2.17E-86		ENSG00000216458
1	198185199	198185449	198185302	9	10	4	2.109599125	0.0694668		ENSG00000216458
1	198330931	198331163	198331049	9	10	5	1.757999271	0.121253		ENSG00000208220
1	198343115	198343304	198343197	8	8	3	2.157544559	0.0836802		ENSG00000221403
1	198375457	198375679	198375556	8	9	3	2.397271733	0.0539397		ENSG00000221403
1	198386440	198386826	198386617	16	23	8	2.557089848	0.00494559		ENSG00000220390
1	198397551	198397978	198397767	12	20	7	2.517135319	0.00849957		ENSG00000220390
1	198420026	198420416	198420174	8	12	7	1.558226626	0.152813		ENSG00000217193
1	198463710	198463897	198463815	8	8	4	1.726035648	0.150596		ENSG00000217193
1	198494258	198494503	198494424	8	11	5	1.917817386	0.0843804		ENSG00000217193
1	198515564	198515852	198515708	10	14	3	3.595907599	0.00486913		ENSG00000213045
1	198538299	198538672	198538470	10	17	4	3.452071295	0.00292757		ENSG00000213045
1	198612391	198612685	198612530	10	12	4	2.493162602	0.0299057	C1orf98	ENSG00000203721
1	198646440	198646748	198646494	8	12	6	1.78083043	0.0985525	ZNF281	ENSG00000162702
1	198668352	198668601	198668486	9	11	3	2.876726079	0.0213797	ZNF281	ENSG00000162702
1	198676947	198677150	198677029	9	9	2	3.19636231	0.0229249	ZNF281	ENSG00000162702
1	198724506	198724875	198724685	10	17	8	1.917817386	0.0474153	ZNF281	ENSG00000162702
1	198745979	198746273	198746126	10	13	6	1.917817386	0.0693353	ZNF281	ENSG00000162702
1	198771459	198771648	198771543	8	8	1	4.315089119	0.0127267	KIF14	ENSG00000118193
1	198834652	198834847	198834749	9	9	4	1.917817386	0.103282	KIF14	ENSG00000118193
1	198899741	198899982	198899861	9	10	1	5.273997812	0.00391723	DDX59	ENSG00000118197
1	198905466	198905667	198905566	8	9	7	1.198635866	0.346278	DDX59	ENSG00000118197
1	198905745	198906084	198905912	13	17	5	2.876726079	0.00703033	DDX59	ENSG00000118197
1	198980307	198980643	198980486	8	11	3	2.876726079	0.0213797	CAMSAP1L	ENSG00000118200
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1	199056336	199056529	199056445	8	8	1	4.315089119	0.0127267	RPL34P1	ENSG00000218506
1	199153270	199153538	199153404	8	8	3	2.157544559	0.0836802		ENSG00000201032
1	199207816	199208049	199207946	13	16	5	2.716907964	0.0109645		ENSG00000201032

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1	199354826	199355252	199355109	10	15	5	2.557089848	0.0169197	ENSG00000217218
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1	199406613	199406856	199406734	10	11	2	3.835634772	0.00800699	TMEM9 ENSG00000116857
1	199420711	199420981	199420824	13	16	3	4.075361945	0.00173346	TMEM9 ENSG00000116857
1	199453197	199453428	199453346	9	10	2	3.515998541	0.0136204	IGFN1 ENSG00000163395
1	199458707	199458945	199458799	12	14	5	2.397271733	0.0258078	IGFN1 ENSG00000163395
1	199524433	199524733	199524583	15	19	1	9.589086931	1.56E-05	PKP1 ENSG00000081277
1	199525674	199525853	199525753	8	8	3	2.157544559	0.0836802	PKP1 ENSG00000081277
1	199543531	199543823	199543677	11	15	10	1.394776281	0.191426	PKP1 ENSG00000081277
1	199545206	199545562	199545384	13	19	8	2.130908207	0.0233014	PKP1 ENSG00000081277
1	199612722	199612982	199612852	10	11	6	1.643843474	0.137712	TNNT2 ENSG00000118194
1	199616945	199617148	199617124	8	10	7	1.318499453	0.269217	TNNT2 ENSG00000118194
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1	199704705	199705213	199704884	97	112	6	15.47952605	5.08E-26	PHLDA3 ENSG00000174307
1	199715931	199716633	199716457	15	34	9	3.356180426	9.18E-05	PHLDA3 ENSG00000174307
1	199748670	199748981	199748844	15	18	11	1.518272097	0.122037	CSRP1 ENSG00000159176
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1	199776066	199776316	199776194	8	11	7	1.43836304	0.204844	ENSG00000218820
1	199795320	199795685	199795478	10	16	8	1.811271976	0.0663685	ENSG00000218820
1	199806330	199806520	199806414	8	9	2	3.19636231	0.0229249	ENSG00000218820
1	199829111	199829379	199829286	11	14	3	3.595907599	0.00486913	NAV1 ENSG00000134369
1	199833586	199834039	199833819	12	21	13	1.506856518	0.109266	NAV1 ENSG00000134369
1	199840561	199841043	199840740	9	17	2	5.753452158	0.000281509	NAV1 ENSG00000134369
1	199844747	199844962	199844854	8	9	1	4.794543465	0.00708517	NAV1 ENSG00000134369
1	199855709	199855974	199855846	11	11	3	2.876726079	0.0213797	NAV1 ENSG00000134369
1	199886235	199886487	199886414	11	14	2	4.794543465	0.00154571	NAV1 ENSG00000134369
1	199903437	199903669	199903509	8	10	2	3.515998541	0.0136204	NAV1 ENSG00000134369
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1	200254698	200255038	200254876	9	13	11	1.118726809	0.38479	ELF3	ENSG00000163435
1	200258775	200259357	200259033	11	24	18	1.261721965	0.218718		ENSG00000220486
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1	200265671	200265873	200265809	9	9	2	3.19636231	0.0229249		ENSG00000220486
1	200270634	200270869	200270710	10	13	10	1.220429246	0.306001		ENSG00000217849
1	200281940	200282498	200282219	20	33	27	1.164389127	0.273121		ENSG00000217849
1	200282913	200283147	200283036	8	10	9	1.054799562	0.4492		ENSG00000217849
1	200291791	200292058	200291930	8	11	3	2.876726079	0.0213797		ENSG00000217849
1	200292300	200293232	200292553	71	141	22	5.920218888	6.60E-22		ENSG00000217849
1	200354702	200355012	200354857	14	18	6	2.602752167	0.00970422	GPR37L1	ENSG00000170075
1	200367901	200368249	200368075	12	18	13	1.301376083	0.22245	GPR37L1	ENSG00000170075
1	200379416	200379666	200379541	8	9	7	1.198635866	0.346278	ARL8A	ENSG00000143862
1	200420552	200420888	200420725	8	13	8	1.491635745	0.166708	LGR6	ENSG00000133067
1	200436042	200436366	200436206	15	18	3	4.554816292	0.000599415		ENSG00000208212
1	200464978	200465258	200465118	8	9	0	9.589086931	0.00120187		ENSG00000208209
1	200470520	200470718	200470581	8	8	2	2.876726079	0.0381137		ENSG00000208209
1	200472111	200472491	200472287	17	23	13	1.643843474	0.0639146		ENSG00000208209
1	200472756	200473641	200473092	101	144	10	12.64016004	6.34E-31		ENSG00000208209
1	200528218	200528508	200528335	9	10	7	1.318499453	0.269217	UBE2T	ENSG00000077152
1	200551355	200551664	200551509	11	13	9	1.34247217	0.232231	UBE2T	ENSG00000077152
1	200576783	200577060	200576921	8	11	3	2.876726079	0.0213797	UBE2T	ENSG00000077152
1	200577500	200577826	200577663	9	13	9	1.34247217	0.232231	UBE2T	ENSG00000077152
1	200589961	200590333	200590106	12	18	7	2.277408146	0.0188653	PPP1R12B	ENSG00000077157
1	200598256	200598454	200598320	9	9	3	2.397271733	0.0539397		ENSG00000220897
1	200615826	200616163	200615994	9	12	6	1.78083043	0.0985525		ENSG00000220897
1	200807554	200807807	200807658	10	12	2	4.155271003	0.0046638		ENSG00000212880
1	200814509	200814807	200814659	9	11	1	5.753452158	0.00215302		ENSG00000212880
1	200897724	200897979	200897851	8	11	6	1.643843474	0.137712	SYT2	ENSG00000143858
1	200928786	200929148	200928977	9	14	5	2.397271733	0.0258078	SYT2	ENSG00000143858
1	200955371	200955651	200955511	8	13	6	1.917817386	0.0693353	SYT2	ENSG00000143858

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1	201046259	201046535	201046369	11	12	6	1.78083043	0.0985525	JARID1B	ENSG00000117139
1	201047893	201048128	201047992	8	9	4	1.917817386	0.103282	JARID1B	ENSG00000117139
1	201050522	201050856	201050701	8	10	7	1.318499453	0.269217		ENSG00000184774
1	201068992	201069209	201069090	8	8	5	1.43836304	0.235762		ENSG00000184774
1	201070721	201070909	201070781	8	8	2	2.876726079	0.0381137		ENSG00000184774
1	201072332	201072693	201072522	13	19	13	1.369869562	0.177863		ENSG00000184774
1	201080078	201080318	201080198	12	14	2	4.794543465	0.00154571		ENSG00000220471
1	201088043	201088289	201088160	8	10	3	2.636998906	0.034203		ENSG00000220471
1	201094519	201094743	201094683	8	9	3	2.397271733	0.0539397		ENSG00000220471
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1	201115616	201115836	201115727	8	10	4	2.109599125	0.0694668		ENSG00000217627
1	201124715	201124989	201124824	8	10	10	0.958908693	0.538751	RABIF	ENSG00000183155
1	201162399	201163268	201162743	17	43	15	2.636998906	0.000188358	KLHL12	ENSG00000117153
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1	201211526	201211856	201211680	14	18	0	18.21926517	2.83E-06	CYB5R1	ENSG00000159348
1	201238172	201238778	201238428	71	115	5	18.5389014	7.82E-28		ENSG00000218804
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1	201244534	201244727	201244630	8	9	2	3.19636231	0.0229249	TMEM183B	ENSG00000163444
1	201275071	201275427	201275249	16	20	6	2.876726079	0.00408924	PPFIA4	ENSG00000143847
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1	201336508	201336687	201336528	8	8	3	2.157544559	0.0836802	ADORA1	ENSG00000163485
1	201362126	201362479	201362302	8	13	7	1.678090213	0.11195	ADORA1	ENSG00000163485
1	201413516	201413695	201413605	8	8	0	8.630178238	0.00235436	MYBPH	ENSG00000133055
1	201451735	201452242	201452063	13	23	20	1.095895649	0.377643	CHIT1	ENSG00000133063
1	201463745	201464019	201463882	9	9	5	1.598181155	0.170911	CHIT1	ENSG00000133063
1	201487252	201487641	201487428	9	15	1	7.671269544	0.000187863	NECAP1	ENSG00000219801
1	201488615	201488845	201488725	10	10	0	10.54799562	0.000613541	NECAP1	ENSG00000219801
1	201502987	201503250	201503118	10	12	12	0.958908693	0.542188	NECAP1	ENSG00000219801
1	201504789	201505141	201504965	9	14	7	1.797953799	0.0806593	NECAP1	ENSG00000219801
1	201508890	201509427	201509064	17	29	9	2.876726079	0.000832979	NECAP1	ENSG00000219801
1	201513139	201513324	201513231	8	8	1	4.315089119	0.0127267	NECAP1	ENSG00000219801
1	201539191	201539570	201539394	13	20	8	2.237453617	0.0160557	BTG2	ENSG00000159388

1	201541174	201541533	201541304	19	25	6	3.56166086	0.000408555	BTG2	ENSG00000159388
1	201541804	201542900	201542482	135	213	9	20.52064603	1.74E-50	BTG2	ENSG00000159388
1	201552380	201552831	201552527	12	20	9	2.013708255	0.0279742		ENSG00000202300
1	201552844	201553094	201553007	8	11	6	1.643843474	0.137712		ENSG00000202300
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1	201721991	201722210	201722094	8	9	4	1.917817386	0.103282	OPTC	ENSG00000188770
1	201723179	201723397	201723258	8	11	3	2.876726079	0.0213797	OPTC	ENSG00000188770
1	201731344	201731600	201731487	10	11	5	1.917817386	0.0843804	OPTC	ENSG00000188770
1	201785700	201785879	201785789	9	9	1	4.794543465	0.00708517	OPTC	ENSG00000188770
1	201836985	201837256	201837120	8	10	4	2.109599125	0.0694668	ATP2B4	ENSG00000058668
1	201861376	201861778	201861555	13	20	8	2.237453617	0.0160557	ATP2B4	ENSG00000058668
1	201921048	201921254	201921151	9	9	2	3.19636231	0.0229249	ATP2B4	ENSG00000058668
1	201941865	201942181	201942023	10	13	6	1.917817386	0.0693353		ENSG00000221643
1	202074677	202075145	202074996	15	26	5	4.315089119	8.98E-05		ENSG00000216908
1	202097107	202097560	202097381	16	28	5	4.63472535	3.19E-05	SNRPEL1	ENSG00000182004
1	202106760	202107056	202106909	9	12	8	1.385090334	0.219216		ENSG00000216997
1	202124431	202124623	202124527	8	9	2	3.19636231	0.0229249		ENSG00000216997
1	202142698	202143070	202142891	12	18	4	3.643853034	0.00178791		ENSG00000184655
1	202165422	202165650	202165488	10	11	8	1.278544924	0.28289		ENSG00000218299
1	202231948	202232142	202232012	8	8	4	1.726035648	0.150596		ENSG00000211554
1	202237340	202237552	202237472	8	11	5	1.917817386	0.0843804		ENSG00000211554
1	202360063	202360275	202360168	8	8	4	1.726035648	0.150596	ETNK2	ENSG00000143845
1	202363372	202363717	202363542	9	13	10	1.220429246	0.306001	ETNK2	ENSG00000143845
1	202366785	202367307	202367062	11	22	12	1.696530765	0.057768	ETNK2	ENSG00000143845
1	202384905	202385207	202385056	11	15	7	1.917817386	0.0572317	ETNK2	ENSG00000143845
1	202419794	202420083	202419945	11	12	0	12.46581301	0.000159888		ENSG00000218951
1	202431772	202432010	202431906	8	9	0	9.589086931	0.00120187	KISS1	ENSG00000170498
1	202450065	202450296	202450180	8	11	9	1.150690432	0.367789	GOLT1A	ENSG00000174567
1	202462315	202462548	202462494	8	11	5	1.917817386	0.0843804	GOLT1A	ENSG00000174567
1	202494288	202494493	202494388	9	10	3	2.636998906	0.034203	GOLT1A	ENSG00000174567
1	202522782	202523200	202523021	9	18	14	1.214617678	0.282961		ENSG00000219133

1	202523859	202524301	202524122	9	18	9	1.821926517	0.0548428		ENSG00000219133
1	202530125	202530356	202530240	10	10	4	2.109599125	0.0694668		ENSG00000219133
1	202537312	202537603	202537457	10	14	10	1.307602763	0.244096		ENSG00000219133
1	202549787	202550434	202550089	8	23	9	2.301380863	0.00938618		ENSG00000219133
1	202555216	202555622	202555398	13	22	11	1.837908328	0.0378204		ENSG00000219133
1	202557107	202557348	202557202	9	12	5	2.077635502	0.0577144		ENSG00000219133
1	202599351	202599797	202599530	13	21	8	2.343999027	0.0109478	PLEKHA6	ENSG00000143850
1	202613651	202613880	202613781	8	9	9	0.958908693	0.536911		ENSG00000220782
1	202613882	202614095	202614002	8	10	8	1.171999514	0.35773		ENSG00000220782
1	202614753	202615099	202614926	8	11	3	2.876726079	0.0213797		ENSG00000220782
1	202616165	202616686	202616344	18	32	9	3.164398687	0.000225664		ENSG00000220782
1	202647595	202647832	202647713	10	12	4	2.493162602	0.0299057	PPP1R15B	ENSG00000158615
1	202652892	202653262	202653079	15	23	12	1.770292972	0.0429088	PPP1R15B	ENSG00000158615
1	202667163	202667353	202667297	8	8	9	0.863017824	0.627343	PIK3C2B	ENSG00000133056
1	202679083	202679452	202679273	12	19	8	2.130908207	0.0233014	PIK3C2B	ENSG00000133056
1	202715469	202715689	202715576	10	11	12	0.885146486	0.620672	PIK3C2B	ENSG00000133056
1	202728767	202728946	202728856	8	8	7	1.07877228	0.435076	PIK3C2B	ENSG00000133056
1	202729534	202729911	202729733	9	16	9	1.630144778	0.102169	PIK3C2B	ENSG00000133056
1	202742216	202743092	202742396	19	46	44	1.001526857	0.496486	MDM4	ENSG00000198625
1	202743768	202743959	202743834	8	9	3	2.397271733	0.0539397	MDM4	ENSG00000198625
1	202744987	202745524	202745319	69	86	2	27.8083521	3.78E-23	MDM4	ENSG00000198625
1	202751703	202751922	202751820	8	9	5	1.598181155	0.170911	MDM4	ENSG00000198625
1	202751934	202752467	202752113	9	22	10	2.004990904	0.023438	MDM4	ENSG00000198625
1	202760110	202760356	202760239	8	10	2	3.515998541	0.0136204	MDM4	ENSG00000198625
1	202760558	202761247	202760826	156	212	13	14.58911083	2.84E-46	MDM4	ENSG00000198625
1	202782409	202782748	202782467	8	13	2	4.474907234	0.00269459	MDM4	ENSG00000198625
1	202796782	202796988	202796885	9	9	1	4.794543465	0.00708517		ENSG00000200408
1	202801443	202801855	202801676	9	17	8	1.917817386	0.0474153		ENSG00000200408
1	202834933	202835128	202835030	8	10	3	2.636998906	0.034203	LRRN2	ENSG00000170382
1	202848313	202848502	202848404	10	10	2	3.515998541	0.0136204	LRRN2	ENSG00000170382
1	202849421	202849692	202849573	9	10	2	3.515998541	0.0136204	LRRN2	ENSG00000170382
1	202859052	202859260	202859170	8	9	4	1.917817386	0.103282	LRRN2	ENSG00000170382
1	202944237	202944512	202944343	8	11	2	3.835634772	0.00800699		ENSG00000208201
1	202999625	202999821	202999697	10	11	7	1.43836304	0.204844		ENSG00000221071

1	203027678	203027880	203027772	9	10	4	2.109599125	0.0694668	NFASC	ENSG00000163531
1	203102316	203102596	203102450	9	11	3	2.876726079	0.0213797	NFASC	ENSG00000163531
1	203114567	203114797	203114682	8	9	4	1.917817386	0.103282	NFASC	ENSG00000163531
1	203125859	203126136	203125997	11	13	2	4.474907234	0.00269459	NFASC	ENSG00000163531
1	203153378	203153585	203153481	9	9	0	9.589086931	0.00120187	NFASC	ENSG00000163531
1	203225039	203225485	203225218	9	17	16	1.015315087	0.480915	NFASC	ENSG00000163531
1	203249832	203250198	203250032	26	33	5	5.433815927	2.23E-06	CNTN2	ENSG00000184144
1	203281292	203281554	203281423	8	11	2	3.835634772	0.00800699	CNTN2	ENSG00000184144
1	203357546	203358344	203358022	34	70	13	4.863036943	1.32E-10	RBBP5	ENSG00000117222
1	203446904	203447179	203447047	10	12	2	4.155271003	0.0046638	RIPK5	ENSG00000133059
1	203447347	203447708	203447532	16	21	8	2.343999027	0.0109478	RIPK5	ENSG00000133059
1	203461317	203461718	203461572	8	13	7	1.678090213	0.11195	TMCC2	ENSG00000133069
1	203498591	203498772	203498715	8	8	4	1.726035648	0.150596	TMCC2	ENSG00000133069
1	203571389	203571672	203571540	13	16	12	1.253957522	0.265012	NUAK2	ENSG00000163545
1	203632849	203633222	203632948	14	20	6	2.876726079	0.00408924	LEMD1	ENSG00000186007
1	203713549	203714010	203713869	11	20	5	3.356180426	0.0017534	PCTK3	ENSG00000117266
1	203760169	203760389	203760279	10	11	6	1.643843474	0.137712	PCTK3	ENSG00000117266
1	203799501	203799945	203799733	16	27	12	2.0653418	0.0117911	MFSD4	ENSG00000174514
1	203801454	203801794	203801660	10	14	7	1.797953799	0.0806593	MFSD4	ENSG00000174514
1	203827674	203828125	203827977	20	28	10	2.528032009	0.00254104		ENSG00000206762
1	203832359	203832538	203832470	8	8	4	1.726035648	0.150596		ENSG00000206762
1	203867711	203868002	203867837	12	14	4	2.876726079	0.01219	ELK4	ENSG00000158711
1	203871216	203871896	203871679	40	61	3	14.86308474	4.23E-15	ELK4	ENSG00000158711
1	203894666	203894962	203894814	10	14	8	1.598181155	0.124586	SLC45A3	ENSG00000158715
1	203924016	203924245	203924121	8	9	2	3.19636231	0.0229249	SLC45A3	ENSG00000158715
1	203938729	203938916	203938822	9	10	5	1.757999271	0.121253	SLC45A3	ENSG00000158715
1	203946816	203947273	203947101	13	21	8	2.343999027	0.0109478		ENSG00000201944
1	203984616	203984819	203984725	10	11	10	1.046082211	0.455063	NUCKS1	ENSG00000069275
1	203984833	203985012	203984863	8	8	8	0.958908693	0.534974	NUCKS1	ENSG00000069275
1	203985068	203985462	203985306	12	18	6	2.602752167	0.00970422	NUCKS1	ENSG00000069275
1	203985537	203986512	203985699	28	87	9	8.438396499	5.17E-17	NUCKS1	ENSG00000069275
1	204011023	204011798	204011173	9	25	5	4.155271003	0.000149583	RAB7L1	ENSG00000117280
1	204038029	204038231	204038130	8	8	0	8.630178238	0.00235436	SLC41A1	ENSG00000133065
1	204062663	204062872	204062817	9	10	3	2.636998906	0.034203	SLC41A1	ENSG00000133065

1	204154833	204155078	204154955	9	11	9	1.150690432	0.367789	SLC26A9	ENSG00000174502
1	204175462	204175749	204175605	8	13	5	2.237453617	0.038866	SLC26A9	ENSG00000174502
1	204182599	204183073	204182948	16	27	7	3.356180426	0.000396559	SLC26A9	ENSG00000174502
1	204186792	204186971	204186889	8	8	2	2.876726079	0.0381137	SLC26A9	ENSG00000174502
1	204401035	204401319	204401174	13	15	8	1.704726565	0.0916153	AVPR1B	ENSG00000198049
1	204456952	204457138	204457045	9	9	2	3.19636231	0.0229249	C1orf186	ENSG00000196533
1	204477021	204477291	204477162	16	18	5	3.036544195	0.0044641	CTSE	ENSG00000196188
1	204688537	204688762	204688646	10	10	9	1.054799562	0.4492	IKBKE	ENSG00000143466
1	204689664	204689845	204689756	8	8	7	1.07877228	0.435076	IKBKE	ENSG00000143466
1	204722611	204722962	204722769	12	17	7	2.157544559	0.0276499	IKBKE	ENSG00000143466
1	204730059	204730283	204730203	9	11	3	2.876726079	0.0213797	C1orf147	ENSG00000162888
1	204754852	204755054	204754953	8	9	7	1.198635866	0.346278	RASSF5	ENSG00000136653
1	204814195	204814392	204814246	9	9	5	1.598181155	0.170911	RASSF5	ENSG00000136653
1	204823609	204823871	204823752	8	10	5	1.757999271	0.121253	RASSF5	ENSG00000136653
1	204826728	204827092	204826897	13	18	11	1.518272097	0.122037	LGTN	ENSG00000143486
1	204845990	204846210	204846085	9	10	2	3.515998541	0.0136204	LGTN	ENSG00000143486
1	204846850	204847082	204846947	8	9	3	2.397271733	0.0539397	LGTN	ENSG00000143486
1	204852276	204852619	204852442	12	16	10	1.481949798	0.147733	LGTN	ENSG00000143486
1	204874305	204874632	204874416	9	14	9	1.43836304	0.179537	DYRK3	ENSG00000143479
1	204887044	204887582	204887267	24	43	2	14.06399416	3.68E-11	DYRK3	ENSG00000143479
1	204925830	204926035	204925884	10	11	2	3.835634772	0.00800699	MAPKAPK2	ENSG00000162889
1	204926712	204926922	204926817	8	8	5	1.43836304	0.235762	MAPKAPK2	ENSG00000162889
1	204954747	204955031	204954882	14	15	5	2.557089848	0.0169197		ENSG00000216783
1	204965499	204965909	204965821	10	17	2	5.753452158	0.000281509		ENSG00000199349
1	204978917	204979185	204979032	10	12	5	2.077635502	0.0577144		ENSG00000199349
1	204979971	204980231	204980102	8	11	4	2.301380863	0.0459276		ENSG00000199349
1	205038186	205038433	205038343	13	13	10	1.220429246	0.306001	IL19	ENSG00000142224
1	205046012	205046235	205046131	8	9	6	1.369869562	0.253675	IL19	ENSG00000142224
1	205048399	205048614	205048507	9	10	4	2.109599125	0.0694668	IL19	ENSG00000142224
1	205049493	205049719	205049606	11	13	6	1.917817386	0.0693353	IL19	ENSG00000142224
1	205066397	205066939	205066668	37	64	4	12.46581301	5.53E-15	IL19	ENSG00000142224
1	205083690	205083925	205083807	9	11	2	3.835634772	0.00800699	IL19	ENSG00000142224
1	205088085	205088296	205088190	8	9	5	1.598181155	0.170911	IL20	ENSG00000162891
1	205104889	205105566	205105363	20	51	33	1.466566236	0.0388124	IL20	ENSG00000162891

1	205105830	205106023	205105938	8	8	5	1.43836304	0.235762	IL20	ENSG00000162891
1	205112697	205112876	205112786	8	9	4	1.917817386	0.103282	IL20	ENSG00000162891
1	205113776	205114105	205113930	11	16	4	3.260289556	0.00475414	IL20	ENSG00000162891
1	205125618	205125885	205125751	14	16	2	5.433815927	0.000499302	IL24	ENSG00000162892
1	205130327	205130535	205130461	8	8	8	0.958908693	0.534974	IL24	ENSG00000162892
1	205135352	205135796	205135516	14	23	17	1.278544924	0.211315	IL24	ENSG00000162892
1	205135818	205136071	205135929	13	14	4	2.876726079	0.01219	IL24	ENSG00000162892
1	205143631	205144017	205143783	12	17	25	0.663859864	0.912943		ENSG00000217798
1	205145303	205145755	205145508	12	21	6	3.013713035	0.00261913		ENSG00000217798
1	205149115	205149303	205149209	8	8	4	1.726035648	0.150596		ENSG00000217798
1	205151053	205151326	205151191	10	13	7	1.678090213	0.11195		ENSG00000217798
1	205152522	205152819	205152675	13	15	6	2.191791298	0.0328001		ENSG00000217798
1	205193714	205193933	205193823	8	9	5	1.598181155	0.170911	PIGR	ENSG00000162896
1	205200829	205201017	205200983	8	8	3	2.157544559	0.0836802	FCAMR	ENSG00000162897
1	205201616	205202225	205201856	39	57	8	6.1796338	2.54E-10	FCAMR	ENSG00000162897
1	205272747	205273046	205272898	9	11	4	2.301380863	0.0459276	C1orf116	ENSG00000182795
1	205292729	205293063	205292902	8	13	7	1.678090213	0.11195	YOD1	ENSG00000180667
1	205329489	205329697	205329626	8	8	4	1.726035648	0.150596	C4BPB	ENSG00000123843
1	205421917	205422113	205422042	8	9	5	1.598181155	0.170911		ENSG00000216816
1	205472727	205472918	205472807	8	11	4	2.301380863	0.0459276		ENSG00000218808
1	205480638	205481080	205480859	57	72	3	17.50008365	4.15E-18		ENSG00000218808
1	205556036	205556951	205556601	15	50	17	2.716907964	4.56E-05	CD55	ENSG00000196352
1	205560991	205561659	205561480	17	35	5	5.753452158	7.49E-07	CD55	ENSG00000196352
1	205663951	205664158	205664054	10	10	2	3.515998541	0.0136204	CR2	ENSG00000117322
1	205672178	205672439	205672269	9	12	3	3.116453252	0.0131971	CR2	ENSG00000117322
1	205694001	205694300	205694130	8	11	6	1.643843474	0.137712	CR2	ENSG00000117322
1	205860345	205860547	205860436	9	9	2	3.19636231	0.0229249		ENSG00000217573
1	205868093	205868296	205868184	8	8	0	8.630178238	0.00235436		ENSG00000217573
1	205912372	205912824	205912680	8	15	2	5.114179696	0.00088103	CR1L	ENSG00000197721
1	205947235	205947690	205947327	17	33	0	32.60289556	1.18E-10	CR1L	ENSG00000197721
1	205990943	205991241	205991106	9	11	0	11.50690432	0.000313206	CD46	ENSG00000117335
1	206029878	206030135	206030013	8	8	2	2.876726079	0.0381137		ENSG00000207966
1	206294837	206295105	206294983	8	9	2	3.19636231	0.0229249		ENSG00000216137
1	206453689	206454096	206453858	22	29	0	28.76726079	1.74E-09	PLXNA2	ENSG00000076356

1	206736349	206736701	206736525	8	14	2	4.794543465	0.00154571	ENSG00000217293
1	207623817	207624308	207624001	36	50	3	12.22608584	3.96E-12	ENSG00000207623
1	207651720	207651929	207651843	9	11	0	11.50690432	0.000313206	ENSG00000207623
1	207673262	207673511	207673441	9	12	4	2.493162602	0.0299057	ENSG00000207623
1	207753404	207753607	207753542	8	8	0	8.630178238	0.00235436	CAMK1G ENSG00000008118
1	207834498	207834723	207834610	8	8	2	2.876726079	0.0381137	CAMK1G ENSG00000008118
1	208056206	208056395	208056250	10	10	0	10.54799562	0.000613541	IRF6 ENSG00000117595
1	208561110	208561463	208561308	9	14	2	4.794543465	0.00154571	HHAT ENSG00000054392
1	208561490	208561990	208561669	95	113	2	36.43853034	8.35E-31	HHAT ENSG00000054392
1	208651646	208651945	208651795	9	11	2	3.835634772	0.00800699	HHAT ENSG00000054392
1	209817150	209817801	209817374	42	73	1	35.47962164	9.16E-21	SLC30A1 ENSG00000170385
1	210168138	210168492	210168344	16	21	1	10.54799562	4.43E-06	ENSG00000218132
1	210275082	210275324	210275258	9	12	0	12.46581301	0.000159888	INTS7 ENSG00000143493
1	210807062	210807284	210807160	8	9	2	3.19636231	0.0229249	ATF3 ENSG00000162772
1	210835906	210836804	210836549	174	259	4	49.86325204	1.38E-69	ATF3 ENSG00000162772
1	210836806	210837005	210836890	8	9	1	4.794543465	0.00708517	ATF3 ENSG00000162772
1	210848300	210848541	210848420	11	12	2	4.155271003	0.0046638	ATF3 ENSG00000162772
1	212456789	212457026	212456907	9	10	3	2.636998906	0.034203	SMYD2 ENSG00000143499
1	212677919	212678172	212678054	8	9	0	9.589086931	0.00120187	ENSG00000213036
1	212679222	212680074	212679616	279	340	3	81.74696608	2.11E-94	ENSG00000213036
1	212898784	212899049	212898922	9	11	5	1.917817386	0.0843804	CENPF ENSG00000117724
1	212906766	212906994	212906842	8	9	2	3.19636231	0.0229249	CENPF ENSG00000117724
1	212919070	212919288	212919179	8	9	5	1.598181155	0.170911	CENPF ENSG00000117724
1	212934855	212935204	212935029	9	13	5	2.237453617	0.038866	CENPF ENSG00000117724
1	213241564	213242112	213241825	21	35	4	6.90414259	1.81E-07	KCNK2 ENSG00000082482
1	213354133	213354581	213354312	16	23	7	2.876726079	0.00239423	KCNK2 ENSG00000082482
1	213492162	213492366	213492264	8	9	5	1.598181155	0.170911	ENSG00000217162
1	213562265	213562457	213562373	8	9	4	1.917817386	0.103282	ENSG00000217162
1	213722108	213722435	213722271	16	20	8	2.237453617	0.0160557	KCTD3 ENSG00000136636
1	213729894	213730194	213730031	8	10	6	1.506856518	0.188853	KCTD3 ENSG00000136636
1	213806756	213807402	213807083	10	25	12	1.917817386	0.0229342	KCTD3 ENSG00000136636
1	213809522	213809810	213809689	8	11	1	5.753452158	0.00215302	KCTD3 ENSG00000136636
1	213950378	213950613	213950497	8	11	4	2.301380863	0.0459276	ENSG00000202498
1	214163401	214163596	214163514	8	9	2	3.19636231	0.0229249	ENSG00000216335

1	214236771	214236960	214236876	9	10	2	3.515998541	0.0136204		ENSG00000216335
1	214277269	214277448	214277352	8	8	2	2.876726079	0.0381137		ENSG00000216335
1	214434581	214434772	214434667	10	10	3	2.636998906	0.034203		ENSG00000216335
1	214461105	214461431	214461260	9	11	6	1.643843474	0.137712		ENSG00000216335
1	214548272	214548454	214548359	10	10	0	10.54799562	0.000613541		ENSG00000216335
1	214704639	214704879	214704756	9	9	1	4.794543465	0.00708517	USH2A	ENSG00000042781
1	214807099	214807358	214807235	8	9	1	4.794543465	0.00708517	USH2A	ENSG00000042781
1	214855245	214855551	214855317	8	12	9	1.246581301	0.295061	ESRRG	ENSG00000196482
1	215018807	215018992	215018893	9	9	5	1.598181155	0.170911	ESRRG	ENSG00000196482
1	215062517	215062752	215062634	9	9	3	2.397271733	0.0539397	ESRRG	ENSG00000196482
1	215124392	215124615	215124519	8	8	1	4.315089119	0.0127267	ESRRG	ENSG00000196482
1	215346518	215346726	215346660	8	9	2	3.19636231	0.0229249	ESRRG	ENSG00000196482
1	215502231	215502410	215502320	8	8	4	1.726035648	0.150596		ENSG00000201753
1	215563823	215564132	215563977	12	17	8	1.917817386	0.0474153		ENSG00000201753
1	215572503	215572765	215572644	9	10	3	2.636998906	0.034203		ENSG00000201753
1	215574005	215574196	215574114	8	9	6	1.369869562	0.253675		ENSG00000201753
1	215733344	215733537	215733446	8	9	5	1.598181155	0.170911	GPATCH2	ENSG00000092978
1	215756346	215756580	215756448	9	11	8	1.278544924	0.28289	GPATCH2	ENSG00000092978
1	215814281	215814510	215814371	8	10	5	1.757999271	0.121253	GPATCH2	ENSG00000092978
1	215814653	215814918	215814809	10	13	7	1.678090213	0.11195	GPATCH2	ENSG00000092978
1	215870663	215870970	215870816	9	13	10	1.220429246	0.306001	GPATCH2	ENSG00000092978
1	215871000	215871411	215871232	10	19	14	1.278544924	0.231514	SPATA17	ENSG00000162814
1	215947788	215948034	215947913	8	11	2	3.835634772	0.00800699	SPATA17	ENSG00000162814
1	215952600	215952829	215952714	9	11	2	3.835634772	0.00800699	SPATA17	ENSG00000162814
1	215953278	215953534	215953388	9	12	3	3.116453252	0.0131971	SPATA17	ENSG00000162814
1	216111668	216111848	216111819	8	8	1	4.315089119	0.0127267	UBBP2	ENSG00000220297
1	216121998	216122226	216122088	8	9	4	1.917817386	0.103282	UBBP2	ENSG00000220297
1	216123697	216123925	216123811	8	9	2	3.19636231	0.0229249	UBBP2	ENSG00000220297
1	216133792	216134031	216133911	13	16	4	3.260289556	0.00475414	UBBP2	ENSG00000220297
1	216193261	216193613	216193499	15	20	15	1.25856766	0.240048	UBBP2	ENSG00000220297
1	216193974	216194187	216194071	10	10	5	1.757999271	0.121253	UBBP2	ENSG00000220297
1	216309415	216309634	216309520	8	9	4	1.917817386	0.103282		ENSG00000201493
1	216470492	216470685	216470533	8	8	1	4.315089119	0.0127267	RRP15	ENSG00000067533
1	216499618	216499821	216499706	8	9	6	1.369869562	0.253675	RRP15	ENSG00000067533

1	216525018	216525366	216525193	19	24	10	2.179337939	0.011585	RRP15	ENSG00000067533
1	216601365	216601637	216601501	13	14	8	1.598181155	0.124586	TGFB2	ENSG00000092969
1	216614278	216614597	216614437	9	12	2	4.155271003	0.0046638	TGFB2	ENSG00000092969
1	216620278	216620852	216620457	10	23	14	1.534253909	0.0910901	TGFB2	ENSG00000092969
1	216638075	216638396	216638235	8	13	7	1.678090213	0.11195	TGFB2	ENSG00000092969
1	216676977	216677174	216677058	10	10	1	5.273997812	0.00391723		ENSG00000222824
1	216699869	216700290	216700024	22	30	8	3.302907721	0.000239229		ENSG00000222824
1	216720666	216720980	216720823	12	16	2	5.433815927	0.000499302		ENSG00000222824
1	216736523	216736837	216736680	13	18	3	4.554816292	0.000599415		ENSG00000222824
1	216761596	216761872	216761731	13	15	11	1.278544924	0.254978		ENSG00000222824
1	216793075	216793619	216793347	10	22	11	1.837908328	0.0378204		ENSG00000212610
1	216830516	216830746	216830641	9	10	3	2.636998906	0.034203		ENSG00000212610
1	216840673	216841601	216841169	261	357	6	49.0413303	1.25E-94		ENSG00000212610
1	216874160	216874461	216874310	11	15	0	15.34253909	2.13E-05		ENSG00000212610
1	216920659	216920838	216920748	8	8	5	1.43836304	0.235762		ENSG00000212610
1	217055805	217056008	217055856	9	9	1	4.794543465	0.00708517		ENSG00000218763
1	217198055	217198290	217198229	8	10	8	1.171999514	0.35773		ENSG00000218763
1	217255679	217255955	217255817	9	10	2	3.515998541	0.0136204		ENSG00000218763
1	217519426	217519700	217519567	8	10	7	1.318499453	0.269217		ENSG00000220015
1	217667135	217667314	217667238	9	9	0	9.589086931	0.00120187		ENSG00000222634
1	217732049	217732252	217732220	9	9	1	4.794543465	0.00708517		ENSG00000222634
1	217771039	217771294	217771180	13	14	8	1.598181155	0.124586	ZC3H11B	ENSG00000215817
1	217793835	217794194	217794051	8	12	5	2.077635502	0.0577144	ZC3H11B	ENSG00000215817
1	217806379	217806635	217806507	11	11	3	2.876726079	0.0213797	ZC3H11B	ENSG00000215817
1	217807265	217807623	217807444	8	14	9	1.43836304	0.179537	ZC3H11B	ENSG00000215817
1	217825762	217826217	217825980	27	39	6	5.479478246	3.16E-07	ZC3H11B	ENSG00000215817
1	218286611	218286890	218286750	8	10	2	3.515998541	0.0136204	EPRS	ENSG00000136628
1	218576309	218576677	218576493	24	32	1	15.82199344	3.96E-09		ENSG00000218105
1	218577298	218577607	218577453	11	14	0	14.3836304	4.17E-05		ENSG00000218105
1	219148665	219148871	219148768	9	9	3	2.397271733	0.0539397	HLX	ENSG00000136630
1	220705221	220705426	220705302	9	9	0	9.589086931	0.00120187		ENSG00000220092
1	221045717	221046161	221046005	24	31	0	30.68507818	4.52E-10	DISP1	ENSG00000154309
1	221661777	221662006	221661891	9	10	0	10.54799562	0.000613541	C1orf65	ENSG00000178395
1	221952622	221952849	221952745	8	10	0	10.54799562	0.000613541		ENSG00000212398

1	221960890	221961088	221960989	8	8	7	1.07877228	0.435076	CAPN2	ENSG00000162909
1	221961597	221961805	221961675	10	11	1	5.753452158	0.00215302	CAPN2	ENSG00000162909
1	221962404	221962707	221962555	15	18	1	9.109632584	2.91E-05	CAPN2	ENSG00000162909
1	224031801	224032069	224031933	9	9	9	0.958908693	0.536911	SRP9	ENSG00000143742
1	224075126	224075481	224075303	63	69	2	22.37453617	2.28E-18	EPHX1	ENSG00000143819
1	224080746	224081005	224080875	14	14	2	4.794543465	0.00154571	EPHX1	ENSG00000143819
1	224230338	224230615	224230476	12	14	4	2.876726079	0.01219		ENSG00000213032
1	224678912	224679126	224679019	9	9	1	4.794543465	0.00708517		ENSG00000208160
1	224733778	224734251	224733957	17	26	4	5.178106943	2.75E-05		ENSG00000177770
1	225977813	225978244	225978003	26	39	1	19.17817386	4.29E-11	SNAP47	ENSG00000143740
1	227105538	227105790	227105656	9	12	9	1.246581301	0.295061		ENSG00000181413
1	227240453	227240765	227240589	10	15	3	3.835634772	0.00291691		ENSG00000181413
1	227433739	227434086	227433897	15	19	2	6.39272462	8.83E-05	TMEM78	ENSG00000177800
1	227441010	227441339	227441174	18	22	0	22.05489994	1.92E-07	TMEM78	ENSG00000177800
1	228051498	228051689	228051566	8	9	1	4.794543465	0.00708517		ENSG00000219709
1	228830146	228830508	228830331	36	43	1	21.09599125	3.19E-12	COG2	ENSG00000135775
1	229373977	229374323	229374214	15	20	3	5.034270639	0.000202317	TRIM67	ENSG00000119283
1	230216950	230217130	230216956	8	9	1	4.794543465	0.00708517		ENSG00000217276
1	230537286	230537557	230537394	10	12	3	3.116453252	0.0131971		ENSG00000208119
1	230921734	230921922	230921787	8	9	0	9.589086931	0.00120187		ENSG00000208118
1	230951284	230951571	230951427	15	16	1	8.150723891	0.000101217		ENSG00000208118
1	231155126	231155694	231155411	74	97	1	46.98652596	1.18E-27	C1orf57	ENSG00000135778
1	231227855	231228220	231228034	8	13	0	13.4247217	8.16E-05	PCNXL2	ENSG00000135749
1	231381967	231382311	231382139	14	17	0	17.26035648	5.54E-06	PCNXL2	ENSG00000135749
1	231910877	231911088	231910921	8	10	0	10.54799562	0.000613541	KCNK1	ENSG00000135750
1	232595535	232595900	232595732	21	26	7	3.236316839	0.000628017	C1orf31	ENSG00000168275
1	232767110	232767344	232767216	8	8	3	2.157544559	0.0836802		ENSG00000212144
1	232820750	232821385	232820956	94	118	0	114.1101345	1.78E-35	IRF2BP2	ENSG00000168264
1	232926312	232926625	232926468	12	16	5	2.716907964	0.0109645		ENSG00000201638
1	232983994	232984180	232984098	9	9	1	4.794543465	0.00708517		ENSG00000201638
1	233597102	233597307	233597204	10	10	1	5.273997812	0.00391723	TBCE	ENSG00000116957
1	233899848	233900205	233900027	25	30	3	7.431542371	6.87E-07	GNG4	ENSG00000168243
1	233904895	233905350	233905171	66	89	0	86.30178238	5.23E-27	GNG4	ENSG00000168243
1	234978620	234978811	234978715	8	8	0	8.630178238	0.00235436	MTR	ENSG00000116984

1	236549959	236550219	236550089	9	10	0	10.54799562	0.000613541		ENSG00000208075
1	239166825	239167161	239167001	29	33	0	32.60289556	1.18E-10		ENSG00000220141
1	239979089	239979381	239979235	9	11	4	2.301380863	0.0459276		ENSG00000220413
1	240430028	240430392	240430230	17	22	0	22.05489994	1.92E-07		ENSG00000222120
1	242469141	242469698	242469487	51	71	1	34.52071295	3.42E-20	C1orf100	ENSG00000173728
1	242553103	242553299	242553201	9	10	0	10.54799562	0.000613541	C1orf100	ENSG00000173728
1	242965190	242965792	242965501	89	118	0	114.1101345	1.78E-35		ENSG00000218614
1	243719752	243720043	243719890	21	24	2	7.990905775	4.56E-06	KIF26B	ENSG00000162849
1	244231083	244231439	244231261	23	28	0	27.8083521	3.40E-09	SMYD3	ENSG00000185420
1	245343130	245343372	245343238	9	12	1	6.232906505	0.00117736		ENSG00000216290
1	247134984	247135233	247135116	11	12	3	3.116453252	0.0131971	ZNF692	ENSG00000171163
10	266707	267019	266862	8	12	8	1.385090334	0.219216	ZMYND11	ENSG00000015171
10	270717	270921	270820	11	14	3	3.595907599	0.00486913		ENSG00000201861
10	275141	275362	275248	9	9	3	2.397271733	0.0539397		ENSG00000201861
10	365359	365616	365487	10	13	1	6.712360851	0.000640982	DIP2C	ENSG00000151240
10	409138	409374	409252	8	12	2	4.155271003	0.0046638	DIP2C	ENSG00000151240
10	409397	409776	409620	17	23	2	7.671269544	8.30E-06	DIP2C	ENSG00000151240
10	490893	491112	490984	9	10	4	2.109599125	0.0694668		ENSG00000209361
10	546995	547434	547150	16	22	8	2.450544438	0.0073921	DIP2C	ENSG00000151240
10	556332	556782	556609	25	35	5	5.753452158	7.49E-07	DIP2C	ENSG00000151240
10	649291	649534	649412	17	17	9	1.726035648	0.0753664	C10orf108	ENSG00000180525
10	1085108	1085494	1085316	9	15	8	1.704726565	0.0916153	WDR37	ENSG00000047056
10	1322329	1322546	1322433	9	12	2	4.155271003	0.0046638	ADARB2	ENSG00000185736
10	1391560	1391751	1391694	9	9	2	3.19636231	0.0229249	ADARB2	ENSG00000185736
10	1497812	1498105	1497959	8	11	1	5.753452158	0.00215302		ENSG00000205696
10	1538572	1538871	1538721	9	13	2	4.474907234	0.00269459		ENSG00000205696
10	1757017	1757591	1757345	55	84	3	20.37680973	2.02E-21	ADARB2	ENSG00000185736
10	2149990	2150254	2150122	18	19	1	9.589086931	1.56E-05		ENSG00000212156
10	3127582	3127767	3127673	8	8	1	4.315089119	0.0127267	PFKP	ENSG00000067057
10	3159485	3159686	3159595	9	10	0	10.54799562	0.000613541	PFKP	ENSG00000067057
10	3809190	3809548	3809369	10	16	6	2.328778255	0.0221113	KLF6	ENSG00000067082
10	3816099	3816536	3816264	8	16	7	2.037680973	0.0400399	KLF6	ENSG00000067082
10	3838054	3838242	3838136	9	10	1	5.273997812	0.00391723	KLF6	ENSG00000067082
10	4695389	4695579	4695484	8	9	4	1.917817386	0.103282		ENSG00000207124

10	4943333	4943705	4943532	16	20	1	10.06854128	8.32E-06		ENSG00000151631
10	4948238	4948560	4948406	11	15	2	5.114179696	0.00088103		ENSG00000151631
10	4950447	4950760	4950597	12	15	1	7.671269544	0.000187863		ENSG00000151631
10	5315485	5315774	5315595	11	15	1	7.671269544	0.000187863		ENSG00000215267
10	5416046	5416380	5416209	8	11	0	11.50690432	0.000313206	UCN3	ENSG00000178473
10	5498548	5498875	5498714	10	14	10	1.307602763	0.244096	NET1	ENSG00000173848
10	5525607	5525932	5525780	9	12	14	0.831054201	0.689281	CALML5	ENSG00000178372
10	5535434	5535745	5535581	14	19	3	4.794543465	0.000349205	CALML5	ENSG00000178372
10	5576768	5576951	5576895	8	8	1	4.315089119	0.0127267	CALML3	ENSG00000178363
10	5579851	5580082	5580007	11	14	2	4.794543465	0.00154571	CALML3	ENSG00000178363
10	5583047	5583370	5583208	12	16	3	4.075361945	0.00173346	CALML3	ENSG00000178363
10	5700170	5700368	5700269	8	8	2	2.876726079	0.0381137		ENSG00000216230
10	5711842	5712030	5711936	9	9	3	2.397271733	0.0539397		ENSG00000222233
10	5767423	5767751	5767581	9	13	5	2.237453617	0.038866	C10orf18	ENSG00000108021
10	6104641	6104956	6104792	12	15	1	7.671269544	0.000187863		ENSG00000209380
10	6197826	6198040	6197929	8	8	2	2.876726079	0.0381137	RBM17	ENSG00000134453
10	6286602	6286852	6286716	8	10	1	5.273997812	0.00391723		ENSG00000213994
10	6321198	6321501	6321349	10	14	6	2.054804342	0.0480281		ENSG00000213994
10	6655218	6655795	6655516	28	48	1	23.49326298	1.23E-13	PRKCQ	ENSG00000065675
10	7002530	7002879	7002733	9	13	0	13.4247217	8.16E-05	PRKCQ	ENSG00000065675
10	7073410	7073768	7073589	16	21	0	21.09599125	3.76E-07		ENSG00000220641
10	7315658	7315991	7315843	9	13	3	3.356180426	0.00805599		ENSG00000220641
10	7869713	7869952	7869810	9	10	5	1.757999271	0.121253	KIN	ENSG00000151657
10	7900329	7900817	7900576	10	19	5	3.19636231	0.00280933	TAF3	ENSG00000165632
10	7901087	7901374	7901243	10	14	2	4.794543465	0.00154571	TAF3	ENSG00000165632
10	8108709	8109053	8108888	8	11	4	2.301380863	0.0459276		ENSG00000197308
10	8127666	8127897	8127817	9	10	7	1.318499453	0.269217		ENSG00000197308
10	8136579	8136831	8136705	10	11	7	1.43836304	0.204844	GATA3	ENSG00000107485
10	8489563	8489847	8489705	8	10	1	5.273997812	0.00391723		ENSG00000220584
10	8698325	8698518	8698412	9	9	7	1.198635866	0.346278		ENSG00000219750
10	8710307	8710608	8710457	12	17	7	2.157544559	0.0276499		ENSG00000219750
10	8846077	8846540	8846334	44	62	2	20.13708255	2.06E-16		ENSG00000212505
10	9055418	9055610	9055513	8	8	4	1.726035648	0.150596		ENSG00000212505
10	9057619	9057865	9057742	9	11	6	1.643843474	0.137712		ENSG00000212505

10	9144234	9144433	9144296	8	9	1	4.794543465	0.00708517		ENSG00000212505
10	9270023	9270282	9270152	8	12	2	4.155271003	0.0046638		
10	9270348	9270931	9270647	19	34	16	1.97422378	0.00831751		
10	9907451	9907658	9907542	11	11	0	11.50690432	0.000313206		ENSG00000203336
10	10039598	10039777	10039747	9	9	5	1.598181155	0.170911		ENSG00000218997
10	10820316	10820637	10820475	22	26	4	5.178106943	2.75E-05		ENSG00000220885
10	11118507	11118703	11118556	8	8	6	1.232882605	0.333038	CUGBP2	ENSG00000048740
10	11153439	11154078	11153832	40	66	6	9.178126062	7.01E-14	CUGBP2	ENSG00000048740
10	11554246	11554551	11554398	9	13	4	2.684944341	0.01921		ENSG00000181437
10	11839980	11840439	11840134	10	17	3	4.315089119	0.00102271	ECHDC3	ENSG00000134463
10	12278049	12278232	12278140	9	10	5	1.757999271	0.121253	NUDT5	ENSG00000165609
10	12403766	12404022	12403923	9	10	0	10.54799562	0.000613541	CAMK1D	ENSG00000183049
10	12687812	12688034	12687923	11	11	4	2.301380863	0.0459276		ENSG00000221331
10	12713249	12713473	12713361	17	17	3	4.315089119	0.00102271		ENSG00000221331
10	12747710	12748069	12747890	8	15	4	3.068507818	0.0076507		ENSG00000221331
10	12802384	12802656	12802536	9	11	5	1.917817386	0.0843804		ENSG00000221331
10	12812047	12812258	12812162	8	10	0	10.54799562	0.000613541		ENSG00000221331
10	13369419	13369700	13369566	8	11	1	5.753452158	0.00215302	PHYH	ENSG00000107537
10	13668731	13669084	13668907	13	19	11	1.598181155	0.0927758	PRPF18	ENSG00000165630
10	13840245	13840808	13840536	99	127	3	30.68507818	1.84E-33		ENSG00000199407
10	13953067	13953316	13953191	11	12	3	3.116453252	0.0131971		ENSG00000215227
10	14074089	14074405	14074236	17	21	2	7.031997082	2.73E-05	FRMD4A	ENSG00000151474
10	14735915	14736171	14736013	10	10	4	2.109599125	0.0694668		ENSG00000201766
10	14958154	14958335	14958244	8	8	0	8.630178238	0.00235436	SUV39H2	ENSG00000152455
10	15205655	15206360	15206058	40	59	0	57.53452158	3.01E-18	RPP38	ENSG00000152464
10	15254546	15254737	15254665	9	11	4	2.301380863	0.0459276		ENSG00000216981
10	16278894	16279282	16279103	18	24	1	11.98635866	6.63E-07		ENSG00000201260
10	16975731	16975999	16975886	8	11	4	2.301380863	0.0459276	RSU1	ENSG00000148484
10	17282874	17283053	17282986	8	8	0	8.630178238	0.00235436	TRDMT1	ENSG00000107614
10	17312722	17312933	17312827	10	11	8	1.278544924	0.28289	VIM	ENSG00000026025
10	17329277	17329874	17329477	29	50	1	24.45217167	3.32E-14	VIM	ENSG00000026025
10	17469915	17470548	17470369	20	36	5	5.913270274	4.32E-07		ENSG00000204832
10	18448669	18449022	18448845	20	25	1	12.46581301	3.51E-07	CACNB2	ENSG00000165995
10	18555408	18555630	18555510	8	9	1	4.794543465	0.00708517	CACNB2	ENSG00000165995

10	19534629	19534856	19534742	10	10	7	1.318499453	0.269217	ENSG00000204741
10	19538386	19538626	19538535	9	12	10	1.133255728	0.37674	ENSG00000204741
10	19575296	19575518	19575407	11	12	10	1.133255728	0.37674	ENSG00000204741
10	20951976	20952166	20952062	8	8	2	2.876726079	0.0381137	ENSG00000220963
10	20991285	20991490	20991388	8	8	2	2.876726079	0.0381137	ENSG00000220963
10	21513263	21513658	21513422	9	16	3	4.075361945	0.00173346	NEBL ENSG00000078114
10	21524410	21524606	21524508	11	11	4	2.301380863	0.0459276	NEBL ENSG00000078114
10	21665884	21666072	21666028	9	10	4	2.109599125	0.0694668	ENSG00000207264
10	21678650	21678832	21678741	8	8	1	4.315089119	0.0127267	ENSG00000207264
10	21693396	21693795	21693555	11	16	3	4.075361945	0.00173346	ENSG00000216589
10	21756584	21757131	21756867	60	85	1	41.2330738	3.32E-24	ENSG00000216589
10	21864560	21864760	21864656	9	9	1	4.794543465	0.00708517	MLLT10 ENSG00000078403
10	22056693	22056898	22056799	8	9	2	3.19636231	0.0229249	MLLT10 ENSG00000078403
10	22415697	22415978	22415820	8	12	3	3.116453252	0.0131971	ENSG00000218554
10	22426187	22426468	22426354	11	14	2	4.794543465	0.00154571	ENSG00000218554
10	22558190	22558404	22558297	10	12	4	2.493162602	0.0299057	ENSG00000218957
10	22757020	22757302	22757171	10	13	5	2.237453617	0.038866	SPAG6 ENSG00000077327
10	23256996	23257217	23257100	8	10	2	3.515998541	0.0136204	ARMC3 ENSG00000165309
10	23326132	23326356	23326228	9	9	2	3.19636231	0.0229249	ENSG00000209509
10	23622105	23622334	23622245	9	10	7	1.318499453	0.269217	ENSG00000216784
10	23854456	23854655	23854544	10	11	2	3.835634772	0.00800699	OTUD1 ENSG00000165312
10	24567478	24567685	24567581	9	9	3	2.397271733	0.0539397	KIAA1217 ENSG00000120549
10	24578636	24579004	24578767	12	17	4	3.452071295	0.00292757	ENSG00000207930
10	24580618	24580909	24580766	9	12	7	1.558226626	0.152813	ENSG00000207930
10	24584862	24585463	24585132	157	200	9	19.27406473	6.28E-47	ENSG00000207930
10	24617555	24618164	24617950	16	35	4	6.90414259	1.81E-07	ENSG00000207930
10	24678545	24678754	24678609	11	11	0	11.50690432	0.000313206	ENSG00000207930
10	24793483	24793748	24793602	9	12	1	6.232906505	0.00117736	KIAA1217 ENSG00000120549
10	25085242	25085657	25085403	29	36	1	17.73981082	3.00E-10	ARHGAP21 ENSG00000107863
10	25178597	25178810	25178663	8	9	0	9.589086931	0.00120187	ENSG00000216235
10	25503171	25503350	25503260	8	8	1	4.315089119	0.0127267	GPR158 ENSG00000151025
10	25503513	25503727	25503630	9	9	2	3.19636231	0.0229249	GPR158 ENSG00000151025
10	26752696	26752916	26752809	8	8	0	8.630178238	0.00235436	APBB1IP ENSG00000077420
10	27188375	27188566	27188499	9	9	1	4.794543465	0.00708517	ABI1 ENSG00000136754

10	27219891	27220145	27219998	8	10	3	2.636998906	0.034203		ENSG00000209570
10	27571815	27572255	27572078	11	18	5	3.036544195	0.0044641	ACBD5	ENSG00000107897
10	27689539	27689743	27689641	9	9	4	1.917817386	0.103282		ENSG00000213770
10	28194157	28194552	28194343	37	47	5	7.671269544	8.66E-10		ENSG00000219432
10	28656540	28656725	28656631	8	8	0	8.630178238	0.00235436		ENSG00000220364
10	28704547	28704758	28704605	8	10	4	2.109599125	0.0694668		ENSG00000209609
10	29014203	29014399	29014320	8	9	5	1.598181155	0.170911	BAMBI	ENSG00000095739
10	29298782	29299099	29298924	16	20	1	10.06854128	8.32E-06		ENSG00000216946
10	29421029	29421581	29421257	24	38	2	12.46581301	8.46E-10		ENSG00000216946
10	29434140	29434363	29434279	8	11	6	1.643843474	0.137712	LYZL1	ENSG00000120563
10	29435198	29435410	29435304	10	10	3	2.636998906	0.034203	LYZL1	ENSG00000120563
10	29453751	29454018	29453884	9	12	6	1.78083043	0.0985525	LYZL1	ENSG00000120563
10	29460691	29460888	29460789	8	8	3	2.157544559	0.0836802	LYZL1	ENSG00000120563
10	29773155	29773412	29773290	14	16	0	16.30144778	1.09E-05		ENSG00000207612
10	29774382	29774619	29774500	9	10	2	3.515998541	0.0136204		ENSG00000207612
10	30113371	30113642	30113534	10	13	2	4.474907234	0.00269459	SVIL	ENSG00000197321
10	30280662	30280994	30280860	9	13	1	6.712360851	0.000640982		ENSG00000220159
10	30558890	30559453	30559274	50	68	1	33.08234991	2.47E-19		ENSG00000200887
10	30910850	30911093	30910962	8	9	5	1.598181155	0.170911		ENSG00000222075
10	30967139	30967344	30967232	8	8	0	8.630178238	0.00235436	LYZL2	ENSG00000151033
10	31361396	31361579	31361534	8	9	1	4.794543465	0.00708517	ZNF438	ENSG00000183621
10	31412718	31412927	31412822	9	10	2	3.515998541	0.0136204	ZNF438	ENSG00000183621
10	31682640	31682865	31682752	9	10	0	10.54799562	0.000613541		ENSG00000219868
10	32165860	32166078	32166008	9	11	3	2.876726079	0.0213797	ARHGAP12	ENSG00000165322
10	32269802	32270181	32269978	9	17	1	8.630178238	5.44E-05	ARHGAP12	ENSG00000165322
10	32271849	32272083	32271908	10	12	2	4.155271003	0.0046638	ARHGAP12	ENSG00000165322
10	32500177	32500663	32500356	9	17	2	5.753452158	0.000281509		ENSG00000217094
10	32706563	32706803	32706683	9	10	1	5.273997812	0.00391723	EPC1	ENSG00000120616
10	33269773	33270078	33269918	9	13	1	6.712360851	0.000640982		ENSG00000218547
10	33593274	33593490	33593382	8	8	1	4.315089119	0.0127267		ENSG00000209716
10	33620196	33620488	33620342	17	17	2	5.753452158	0.000281509		ENSG00000209716
10	33838308	33838558	33838455	14	15	2	5.114179696	0.00088103	NRP1	ENSG00000099250
10	33913209	33913398	33913303	8	9	0	9.589086931	0.00120187	NRP1	ENSG00000099250
10	34033249	34033740	34033561	18	27	2	8.949814469	7.46E-07		ENSG00000219446

10	35027771	35028264	35028108	11	20	3	5.034270639	0.000202317		ENSG00000215184
10	35040638	35040829	35040746	10	10	1	5.273997812	0.00391723		ENSG00000215184
10	35042920	35043202	35043061	11	11	3	2.876726079	0.0213797		ENSG00000215184
10	35048373	35048630	35048501	15	15	5	2.557089848	0.0169197		ENSG00000215184
10	35234943	35235321	35235120	31	36	4	7.095924329	1.02E-07		ENSG00000223047
10	35283200	35283421	35283310	14	14	3	3.595907599	0.00486913		ENSG00000213724
10	35350416	35350601	35350508	8	10	6	1.506856518	0.188853	CUL2	ENSG00000108094
10	35635810	35636088	35635972	9	11	4	2.301380863	0.0459276	CCNY	ENSG00000108100
10	35875721	35876073	35875897	9	15	6	2.191791298	0.0328001	GJD4	ENSG00000177291
10	36150120	36150505	36150326	20	27	5	4.474907234	5.37E-05		ENSG00000218744
10	36216732	36216964	36216817	8	8	0	8.630178238	0.00235436		ENSG00000218744
10	36303781	36304185	36303918	17	22	1	11.02744997	2.36E-06		ENSG00000218744
10	36402817	36403028	36402923	8	9	0	9.589086931	0.00120187		ENSG00000218688
10	37747793	37748020	37747906	9	11	0	11.50690432	0.000313206		ENSG00000218882
10	38305614	38305863	38305698	14	14	2	4.794543465	0.00154571	ZNF25	ENSG00000175395
10	38626393	38626629	38626510	8	9	0	9.589086931	0.00120187		ENSG00000220969
10	38841081	38841411	38841246	9	12	5	2.077635502	0.0577144		ENSG00000219057
10	38912071	38912328	38912178	10	10	5	1.757999271	0.121253		ENSG00000215151
10	39122205	39122534	39122375	19	19	26	0.710302736	0.88		ENSG00000217685
10	39123235	39123561	39123398	8	8	0	8.630178238	0.00235436		ENSG00000217685
10	39134174	39134504	39134342	22	22	23	0.918954164	0.614181		ENSG00000217685
10	39150066	39150245	39150216	9	10	2	3.515998541	0.0136204		ENSG00000217685
10	39160359	39160687	39160523	13	13	11	1.118726809	0.38479		ENSG00000217685
10	39163429	39163759	39163594	11	13	17	0.745817872	0.798145		ENSG00000217685
10	39168754	39169080	39168917	9	9	6	1.369869562	0.253675		ENSG00000217685
10	39186632	39186811	39186782	8	8	13	0.616441303	0.878084		ENSG00000217685
10	39193861	39194044	39194011	9	10	5	1.757999271	0.121253		ENSG00000217685
10	41675249	41675432	41675339	8	8	9	0.863017824	0.627343		ENSG00000220883
10	41677693	41678163	41677984	19	29	17	1.598181155	0.0533584		ENSG00000220883
10	41678196	41678383	41678211	10	12	8	1.385090334	0.219216		ENSG00000220883
10	41695814	41696064	41695914	11	12	4	2.493162602	0.0299057		ENSG00000220883
10	41699742	41700090	41699916	230	232	208	1.06902261	0.241257		ENSG00000220883
10	41700102	41700438	41700270	24	25	26	0.923393556	0.614269		ENSG00000220883
10	41704536	41704728	41704689	10	12	7	1.558226626	0.152813		ENSG00000220883

10	41705027	41705372	41705199	76	78	80	0.935231935	0.664028	ENSG00000220883
10	41705544	41705724	41705576	8	8	9	0.863017824	0.627343	ENSG00000220883
10	41710953	41711166	41711012	12	15	8	1.704726565	0.0916153	ENSG00000220883
10	41714340	41714666	41714503	15	16	10	1.481949798	0.147733	ENSG00000220883
10	41716007	41716186	41716155	10	10	5	1.757999271	0.121253	ENSG00000220883
10	41716286	41716710	41716465	17	24	30	0.773313462	0.832666	ENSG00000220883
10	41716715	41717068	41716891	108	109	105	0.995093927	0.51406	ENSG00000220883
10	41718211	41718886	41718707	39	68	58	1.12143559	0.257686	ENSG00000220883
10	41719075	41719537	41719358	24	30	38	0.762209474	0.872381	ENSG00000220883
10	41719544	41719966	41719721	29	36	32	1.07514005	0.379706	ENSG00000220883
10	41721688	41722290	41722011	18	29	28	0.99197451	0.511702	ENSG00000220883
10	41722972	41723308	41723147	38	38	25	1.43836304	0.0720575	ENSG00000220883
10	41725296	41725479	41725326	10	10	11	0.878999635	0.622439	ENSG00000220883
10	41727224	41727612	41727438	10	18	27	0.650688042	0.929412	ENSG00000220883
10	41849293	41850097	41849600	72	111	120	0.887584906	0.818749	ENSG00000220883
10	41850493	41850826	41850659	24	27	36	0.725660633	0.902101	ENSG00000220883
10	41850908	41851247	41851086	40	41	32	1.220429246	0.193382	ENSG00000220883
10	41851313	41851646	41851479	16	17	8	1.917817386	0.0474153	ENSG00000220883
10	41851776	41852125	41851950	84	86	64	1.283462405	0.0624133	ENSG00000220883
10	41852436	41852925	41852615	26	33	18	1.715941872	0.0261515	ENSG00000220883
10	42117144	42117479	42117311	29	30	28	1.025040327	0.460877	ENSG00000219859
10	42119843	42120173	42120008	14	14	11	1.198635866	0.315918	ENSG00000219859
10	42137067	42137396	42137231	16	17	12	1.327719729	0.212795	ENSG00000215146
10	42137559	42137746	42137583	12	12	15	0.779113313	0.750998	ENSG00000215146
10	42456262	42456680	42456480	46	61	1	29.72616948	2.46E-17	ZNF33B ENSG00000196693
10	42462224	42462421	42462349	10	10	0	10.54799562	0.000613541	ZNF33B ENSG00000196693
10	42597778	42598267	42598108	13	23	7	2.876726079	0.00239423	BMS1 ENSG00000165733
10	42841577	42842054	42841815	15	24	4	4.794543465	8.06E-05	RET ENSG00000165731
10	43669619	43669805	43669704	9	9	0	9.589086931	0.00120187	C10orf136 ENSG00000204187
10	43727986	43728507	43728315	31	41	5	6.712360851	2.66E-08	C10orf136 ENSG00000204187
10	43946078	43946363	43946215	9	10	0	10.54799562	0.000613541	CXCL12 ENSG00000107562
10	44116491	44117041	44116720	10	20	10	1.830643869	0.0454769	CXCL12 ENSG00000107562
10	45190295	45190477	45190386	9	9	0	9.589086931	0.00120187	ENSG00000215136
10	45253654	45254570	45254017	220	311	0	299.1795122	7.79E-92	8-Mar ENSG00000165406

10	45286126	45286347	45286236	9	10	9	1.054799562	0.4492	8-Mar	ENSG00000165406
10	45350763	45350999	45350876	17	19	2	6.39272462	8.83E-05	8-Mar	ENSG00000165406
10	46403287	46403503	46403402	10	10	4	2.109599125	0.0694668	GPRIN2	ENSG00000204175
10	46403661	46404053	46403874	13	20	11	1.678090213	0.0696225	GPRIN2	ENSG00000204175
10	47097389	47097654	47097521	10	10	4	2.109599125	0.0694668		ENSG00000219661
10	47952189	47952565	47952368	18	25	4	4.986325204	4.72E-05	ZNF488	ENSG00000165388
10	47962520	47963263	47962938	102	154	5	24.7718079	1.30E-38	ZNF488	ENSG00000165388
10	47981693	47981922	47981793	9	10	0	10.54799562	0.000613541	ZNF488	ENSG00000165388
10	48046900	48047162	48047060	9	11	1	5.753452158	0.00215302	GDF2	ENSG00000128802
10	49093686	49093891	49093788	8	9	4	1.917817386	0.103282	FRMPD2	ENSG00000170324
10	49129607	49130279	49129794	38	61	9	5.945233897	1.11E-10	FRMPD2	ENSG00000170324
10	49295415	49295845	49295613	92	107	4	20.71242777	1.08E-26	MAPK8	ENSG00000107643
10	49322453	49322697	49322568	10	12	6	1.78083043	0.0985525	MAPK8	ENSG00000107643
10	49467506	49467840	49467673	13	17	1	8.630178238	5.44E-05	ARHGAP22	ENSG00000128805
10	49605247	49605570	49605408	15	19	2	6.39272462	8.83E-05	WDFY4	ENSG00000128815
10	49666687	49666942	49666814	11	11	3	2.876726079	0.0213797	WDFY4	ENSG00000128815
10	49693077	49693303	49693198	8	8	7	1.07877228	0.435076	WDFY4	ENSG00000128815
10	49826737	49826985	49826861	11	12	1	6.232906505	0.00117736	LRRC18	ENSG00000165383
10	50028322	50028531	50028387	9	9	1	4.794543465	0.00708517	FAM170B	ENSG00000172538
10	50430271	50430450	50430365	8	8	0	8.630178238	0.00235436	PGBD3	ENSG00000222049
10	50706027	50706216	50706048	9	11	0	11.50690432	0.000313206	PARG	ENSG00000214982
10	51740522	51740781	51740651	8	11	1	5.753452158	0.00215302		ENSG00000217121
10	53873163	53873890	53873402	56	97	6	13.4247217	5.37E-22		ENSG00000216209
10	53918461	53918656	53918558	9	9	3	2.397271733	0.0539397		ENSG00000216209
10	54171716	54172062	54171893	11	16	0	16.30144778	1.09E-05	MBL2	ENSG00000165471
10	55049473	55049943	55049658	105	132	2	42.51161873	3.20E-36		ENSG00000217935
10	58013186	58013414	58013285	16	16	0	16.30144778	1.09E-05	ZWINT	ENSG00000122952
10	58175253	58175549	58175401	14	18	1	9.109632584	2.91E-05	ZWINT	ENSG00000122952
10	59053832	59054183	59054007	34	39	0	38.35634772	2.09E-12		ENSG00000218583
10	59619158	59619413	59619277	12	12	3	3.116453252	0.0131971		ENSG00000180221
10	60211608	60211936	60211772	10	14	0	14.3836304	4.17E-05	BICC1	ENSG00000122870
10	60732943	60733240	60733070	9	13	1	6.712360851	0.000640982	FAM13C1	ENSG00000148541
10	60766952	60767416	60767174	75	95	3	23.01380863	1.76E-24	FAM13C1	ENSG00000148541
10	60780241	60780530	60780385	8	10	4	2.109599125	0.0694668	FAM13C1	ENSG00000148541

10	61260468	61260741	61260604	9	12	7	1.558226626	0.152813	CCDC6	ENSG00000108091
10	61337704	61337992	61337842	8	10	3	2.636998906	0.034203	CCDC6	ENSG00000108091
10	61395152	61395582	61395362	64	84	6	11.64389127	1.49E-18	CCDC6	ENSG00000108091
10	61396961	61397200	61397080	10	12	2	4.155271003	0.0046638	CCDC6	ENSG00000108091
10	61712597	61712937	61712700	12	16	4	3.260289556	0.00475414	ANK3	ENSG00000151150
10	61858541	61858794	61858634	12	13	2	4.474907234	0.00269459	ANK3	ENSG00000151150
10	61917862	61918303	61918040	51	62	0	60.41124766	4.01E-19	ANK3	ENSG00000151150
10	61924713	61924957	61924832	11	13	0	13.4247217	8.16E-05	ANK3	ENSG00000151150
10	62190395	62191053	62190679	168	208	4	40.08238337	4.55E-55	CDC2	ENSG00000170312
10	62198642	62198954	62198796	9	13	4	2.684944341	0.01921	CDC2	ENSG00000170312
10	62208258	62208573	62208415	8	12	4	2.493162602	0.0299057	CDC2	ENSG00000170312
10	62322571	62322773	62322672	9	9	0	9.589086931	0.00120187		ENSG00000223107
10	62393987	62394190	62394088	10	11	4	2.301380863	0.0459276	RHOBTB1	ENSG00000072422
10	62701350	62701550	62701450	9	9	2	3.19636231	0.0229249	TMEM26	ENSG00000196932
10	63766182	63766542	63766354	52	58	0	56.57561289	5.90E-18		ENSG00000223151
10	64234269	64234569	64234419	8	11	6	1.643843474	0.137712	ADO	ENSG00000181915
10	64524416	64524725	64524559	10	11	0	11.50690432	0.000313206		ENSG00000199446
10	65137059	65137416	65137269	9	13	2	4.474907234	0.00269459		ENSG00000220039
10	65141987	65142212	65142127	9	10	2	3.515998541	0.0136204		ENSG00000220039
10	65296609	65296904	65296756	15	17	2	5.753452158	0.000281509		ENSG00000213609
10	66849064	66849424	66849213	22	27	0	26.84944341	6.66E-09		ENSG00000219519
10	66849539	66849739	66849639	9	10	1	5.273997812	0.00391723		ENSG00000219519
10	67045013	67045547	67045265	12	25	2	8.310542006	2.50E-06		ENSG00000219519
10	68057027	68057267	68057147	11	12	3	3.116453252	0.0131971		ENSG00000210060
10	69248037	69248426	69248247	8	15	0	15.34253909	2.13E-05		ENSG00000223097
10	69313928	69314120	69314024	9	11	6	1.643843474	0.137712	SIRT1	ENSG00000096717
10	69523777	69523956	69523930	8	8	0	8.630178238	0.00235436	MYPN	ENSG00000138347
10	69583472	69583725	69583583	15	16	5	2.716907964	0.0109645		ENSG00000222371
10	69762705	69762940	69762762	8	11	2	3.835634772	0.00800699	PBLD	ENSG00000108187
10	70061231	70061556	70061393	16	19	3	4.794543465	0.000349205		ENSG00000216826
10	70151028	70151341	70151184	9	12	1	6.232906505	0.00117736	CCAR1	ENSG00000060339
10	70256775	70256954	70256813	8	8	0	8.630178238	0.00235436	STOX1	ENSG00000165730
10	70385983	70386182	70386124	11	12	6	1.78083043	0.0985525	DDX21	ENSG00000165732
10	70418406	70418709	70418585	11	15	2	5.114179696	0.00088103	KIAA1279	ENSG00000198954

10	70434657	70434844	70434786	8	9	1	4.794543465	0.00708517		ENSG00000210185
10	70763012	70763361	70763186	10	16	8	1.811271976	0.0663685	HK1	ENSG00000156515
10	70822399	70822606	70822502	8	8	0	8.630178238	0.00235436	TACR2	ENSG00000075073
10	70868435	70868641	70868579	8	10	1	5.273997812	0.00391723		ENSG00000217700
10	70876441	70876724	70876597	11	14	12	1.106433107	0.392094	TSPAN15	ENSG00000099282
10	70879676	70879907	70879779	12	12	6	1.78083043	0.0985525	TSPAN15	ENSG00000099282
10	70888599	70888853	70888743	9	11	1	5.753452158	0.00215302	TSPAN15	ENSG00000099282
10	71030742	71031169	71030921	14	23	2	7.671269544	8.30E-06		ENSG00000220737
10	71398671	71398912	71398791	10	12	1	6.232906505	0.00117736	H2AFY2	ENSG00000099284
10	71482187	71482415	71482301	8	10	0	10.54799562	0.000613541	H2AFY2	ENSG00000099284
10	71561908	71562148	71562047	9	10	0	10.54799562	0.000613541	AIFM2	ENSG00000042286
10	71576488	71576962	71576667	10	20	5	3.356180426	0.0017534	TYSND1	ENSG00000156521
10	72506847	72507090	72506993	10	12	3	3.116453252	0.0131971	UNC5B	ENSG00000107731
10	72642004	72642222	72642114	8	8	3	2.157544559	0.0836802	UNC5B	ENSG00000107731
10	72647205	72647450	72647354	10	13	0	13.4247217	8.16E-05		ENSG00000216004
10	72942539	72942942	72942763	11	19	2	6.39272462	8.83E-05	CDH23	ENSG00000107736
10	73360533	73360894	73360712	8	15	2	5.114179696	0.00088103	CHST3	ENSG00000122863
10	73438487	73438693	73438599	8	8	5	1.43836304	0.235762	CHST3	ENSG00000122863
10	73478357	73478612	73478487	8	9	9	0.958908693	0.536911	SPOCK2	ENSG00000107742
10	73600992	73601207	73601099	10	11	1	5.753452158	0.00215302		ENSG00000200294
10	73700318	73700754	73700536	19	29	4	5.753452158	5.31E-06	DDIT4	ENSG00000168209
10	73727779	73728338	73728147	65	94	4	18.21926517	4.10E-23	DDIT4	ENSG00000168209
10	73728443	73728710	73728565	8	10	2	3.515998541	0.0136204	DDIT4	ENSG00000168209
10	73761408	73761602	73761467	9	9	2	3.19636231	0.0229249	DNAJB12	ENSG00000148719
10	74118004	74118189	74118099	8	9	0	9.589086931	0.00120187	CCDC109A	ENSG00000156026
10	74540025	74540382	74540203	9	14	3	3.595907599	0.00486913	NUDT13	ENSG00000166321
10	74682381	74682660	74682503	8	12	1	6.232906505	0.00117736	MRPS16	ENSG00000182180
10	74788409	74788816	74788670	9	16	4	3.260289556	0.00475414	TTC18	ENSG00000156042
10	74843780	74844075	74843931	8	12	6	1.78083043	0.0985525	ANXA7	ENSG00000138279
10	75031316	75031564	75031440	11	13	2	4.474907234	0.00269459	USP54	ENSG00000166348
10	75305893	75306131	75306012	17	18	1	9.109632584	2.91E-05	CAMK2G	ENSG00000148660
10	75315934	75316168	75316054	8	10	5	1.757999271	0.121253	CAMK2G	ENSG00000148660
10	75317016	75317900	75317695	45	92	10	8.107137132	1.46E-17	CAMK2G	ENSG00000148660
10	75318259	75318695	75318404	19	28	5	4.63472535	3.19E-05	CAMK2G	ENSG00000148660

10	75318717	75319032	75318876	12	17	1	8.630178238	5.44E-05	CAMK2G	ENSG00000148660
10	75349865	75350118	75350001	11	11	0	11.50690432	0.000313206	C10orf55	ENSG00000222047
10	75429093	75429444	75429268	9	15	3	3.835634772	0.00291691	VCL	ENSG00000035403
10	75619831	75620212	75620002	20	25	2	8.310542006	2.50E-06	ADK	ENSG00000156110
10	76101674	76101908	76101789	9	9	3	2.397271733	0.0539397		ENSG00000214626
10	76509566	76509866	76509716	9	14	0	14.3836304	4.17E-05		ENSG00000217937
10	76542101	76542280	76542183	8	8	2	2.876726079	0.0381137	SAMD8	ENSG00000156671
10	77842623	77842822	77842783	8	8	1	4.315089119	0.0127267		ENSG00000201954
10	78822761	78822947	78822856	8	8	2	2.876726079	0.0381137	KCNMA1	ENSG00000156113
10	78969075	78969387	78969232	9	12	1	6.232906505	0.00117736		ENSG00000199592
10	79012387	79012757	79012578	15	22	3	5.513724985	6.69E-05		ENSG00000199592
10	79036689	79037057	79036879	11	16	6	2.328778255	0.0221113		ENSG00000199592
10	79089049	79089631	79089293	18	35	2	11.50690432	5.48E-09	KCNMA1	ENSG00000156113
10	79276490	79276705	79276597	8	10	2	3.515998541	0.0136204		ENSG00000204049
10	79319125	79319425	79319275	12	14	3	3.595907599	0.00486913		ENSG00000204049
10	79459251	79459593	79459422	12	17	4	3.452071295	0.00292757	POLR3A	ENSG00000148606
10	79463656	79463909	79463761	10	12	2	4.155271003	0.0046638	RPS24	ENSG00000138326
10	79888739	79889080	79888891	11	15	2	5.114179696	0.00088103		ENSG00000201393
10	79950909	79951099	79951004	8	8	1	4.315089119	0.0127267		ENSG00000201393
10	80349785	80350151	80349982	35	41	5	6.712360851	2.66E-08	ZMIZ1	ENSG00000108175
10	80377613	80377916	80377765	17	20	1	10.06854128	8.32E-06	ZMIZ1	ENSG00000108175
10	80529758	80530073	80529915	22	24	0	23.97271733	5.01E-08	ZMIZ1	ENSG00000108175
10	80587450	80587637	80587536	8	9	6	1.369869562	0.253675	ZMIZ1	ENSG00000108175
10	80625280	80625466	80625350	8	8	2	2.876726079	0.0381137	ZMIZ1	ENSG00000108175
10	80694633	80694954	80694809	13	15	5	2.557089848	0.0169197	ZMIZ1	ENSG00000108175
10	80749286	80749588	80749434	8	8	3	2.157544559	0.0836802	PPIF	ENSG00000108179
10	81808688	81808867	81808765	8	8	6	1.232882605	0.333038		ENSG00000217279
10	81851142	81851337	81851238	8	9	5	1.598181155	0.170911		ENSG00000133678
10	81908333	81908599	81908499	8	10	5	1.757999271	0.121253	PLAC9	ENSG00000189129
10	81953312	81953599	81953452	8	12	2	4.155271003	0.0046638	ANXA11	ENSG00000122359
10	82127987	82128243	82128096	8	11	1	5.753452158	0.00215302	DYDC2	ENSG00000133665
10	82179536	82179782	82179650	12	12	0	12.46581301	0.000159888	C10orf57	ENSG00000122378
10	82194497	82194774	82194642	10	12	4	2.493162602	0.0299057	TSPAN14	ENSG00000108219
10	82210539	82210812	82210686	13	14	4	2.876726079	0.01219	TSPAN14	ENSG00000108219

10	82220887	82221171	82221018	11	13	2	4.474907234	0.00269459	TSPAN14	ENSG00000108219
10	82368761	82369236	82369004	29	44	2	14.3836304	1.96E-11	SH2D4B	ENSG00000178217
10	82413791	82414081	82413936	10	13	3	3.356180426	0.00805599	SH2D4B	ENSG00000178217
10	82497183	82497558	82497389	26	32	2	10.54799562	3.50E-08		ENSG00000217745
10	82555062	82555364	82555209	16	18	0	18.21926517	2.83E-06		ENSG00000218551
10	82716103	82716436	82716237	10	14	11	1.198635866	0.315918		ENSG00000220859
10	82865901	82866418	82866240	12	25	2	8.310542006	2.50E-06		ENSG00000219745
10	82927654	82928073	82927872	52	69	0	67.12360851	3.62E-21		ENSG00000219745
10	83193942	83194336	83194153	21	30	2	9.908723162	1.20E-07		ENSG00000219745
10	84442318	84442636	84442495	20	24	0	23.97271733	5.01E-08		ENSG00000207275
10	85551950	85552132	85551974	8	8	1	4.315089119	0.0127267		ENSG00000212324
10	85610791	85611088	85610935	9	9	0	9.589086931	0.00120187		ENSG00000212324
10	85733284	85733789	85733537	77	102	2	32.92253179	1.12E-27		ENSG00000200789
10	85889065	85889330	85889188	8	10	5	1.757999271	0.121253	GHITM	ENSG00000165678
10	86274761	86275170	86274951	56	72	3	17.50008365	4.15E-18		ENSG00000178429
10	86363145	86363418	86363265	9	10	6	1.506856518	0.188853		ENSG00000178429
10	86415624	86415941	86415799	9	12	1	6.232906505	0.00117736		ENSG00000178429
10	86742674	86742913	86742787	10	10	0	10.54799562	0.000613541		ENSG00000178429
10	87297856	87298274	87298063	42	57	2	18.5389014	5.08E-15		ENSG00000210526
10	87392251	87392505	87392378	10	13	3	3.356180426	0.00805599		ENSG00000210532
10	87392556	87392846	87392700	8	12	2	4.155271003	0.0046638		ENSG00000210532
10	87634941	87635120	87635045	8	8	1	4.315089119	0.0127267		ENSG00000200487
10	87745685	87745887	87745788	9	9	2	3.19636231	0.0229249		ENSG00000200487
10	87944147	87944334	87944219	8	8	1	4.315089119	0.0127267		ENSG00000199104
10	87970185	87970643	87970398	24	40	0	39.31525642	1.07E-12		ENSG00000199104
10	88397564	88397894	88397722	10	13	2	4.474907234	0.00269459	OPN4	ENSG00000122375
10	88524923	88525236	88525079	14	17	0	17.26035648	5.54E-06	BMP1A	ENSG00000107779
10	88710253	88710436	88710311	9	9	2	3.19636231	0.0229249	SNCG	ENSG00000173267
10	88718114	88718330	88718239	10	11	4	2.301380863	0.0459276	C10orf116	ENSG00000148671
10	89592095	89592445	89592260	18	23	3	5.753452158	3.82E-05		ENSG00000213478
10	89592650	89593258	89593019	147	182	5	29.24671514	1.95E-46		ENSG00000213478
10	89600584	89600805	89600741	10	11	7	1.43836304	0.204844		ENSG00000213478
10	89611859	89612339	89612003	12	19	6	2.739739123	0.00632909	PTENP1	ENSG00000171862
10	89612827	89613076	89612994	12	14	2	4.794543465	0.00154571	PTENP1	ENSG00000171862

10	89728769	89729034	89728899	11	14	1	7.191815198	0.00034761	ENSG00000200891
10	89881352	89881683	89881456	10	15	7	1.917817386	0.0572317	ENSG00000216533
10	90003931	90004288	90004109	9	14	8	1.598181155	0.124586	ENSG00000216533
10	90010489	90010810	90010649	19	20	2	6.712360851	4.91E-05	ENSG00000216533
10	90457575	90457773	90457700	8	9	1	4.794543465	0.00708517	LIPK ENSG00000204021
10	90601484	90601721	90601600	9	11	5	1.917817386	0.0843804	ANKRD22 ENSG00000152766
10	90740352	90740774	90740565	14	25	4	4.986325204	4.72E-05	FAS ENSG00000026103
10	90740816	90741331	90741038	94	137	1	66.16469982	3.45E-39	FAS ENSG00000026103
10	90991298	90991826	90991649	14	24	0	23.97271733	5.01E-08	LIPA ENSG00000107798
10	91028076	91028307	91028191	11	13	2	4.474907234	0.00269459	IFIT2 ENSG00000119922
10	91394873	91395579	91395014	14	32	5	5.273997812	3.82E-06	PANK1 ENSG00000152782
10	91451321	91451668	91451493	12	16	7	2.037680973	0.0400399	KIF20B ENSG00000138182
10	91801301	91801744	91801480	11	17	1	8.630178238	5.44E-05	ENSG00000148667
10	92069291	92069517	92069445	10	11	2	3.835634772	0.00800699	ENSG00000210646
10	92132042	92132271	92132156	10	10	2	3.515998541	0.0136204	ENSG00000210646
10	92727107	92727485	92727306	28	36	2	11.82654055	2.94E-09	ENSG00000201604
10	92756149	92756347	92756248	9	10	5	1.757999271	0.121253	ENSG00000186773
10	92946367	92946602	92946436	9	12	1	6.232906505	0.00117736	PCGF5 ENSG00000180628
10	92988027	92988274	92988157	10	13	0	13.4247217	8.16E-05	PCGF5 ENSG00000180628
10	93016556	93016866	93016700	13	16	2	5.433815927	0.000499302	PCGF5 ENSG00000180628
10	93101123	93101307	93101215	8	8	0	8.630178238	0.00235436	HECTD2 ENSG00000165338
10	93494943	93495188	93495077	8	9	1	4.794543465	0.00708517	ENSG00000216994
10	93837520	93837842	93837681	11	15	6	2.191791298	0.0328001	ENSG00000214549
10	94079866	94080164	94080011	13	18	4	3.643853034	0.00178791	ENSG00000202297
10	94295301	94295496	94295398	8	8	3	2.157544559	0.0836802	IDE ENSG00000119912
10	94402912	94403186	94403063	10	11	1	5.753452158	0.00215302	ENSG00000174681
10	94887829	94888282	94888103	42	56	2	18.21926517	9.63E-15	ENSG00000218488
10	95188547	95188832	95188689	8	11	8	1.278544924	0.28289	FER1L3 ENSG00000138119
10	95195381	95195582	95195478	8	8	7	1.07877228	0.435076	FER1L3 ENSG00000138119
10	95215930	95216185	95216068	11	13	2	4.474907234	0.00269459	FER1L3 ENSG00000138119
10	95231648	95231891	95231769	8	11	3	2.876726079	0.0213797	FER1L3 ENSG00000138119
10	95232085	95232529	95232295	9	17	3	4.315089119	0.00102271	FER1L3 ENSG00000138119
10	95296233	95296428	95296305	8	8	2	2.876726079	0.0381137	GPR120 ENSG00000186188
10	95451767	95451997	95451934	8	10	8	1.171999514	0.35773	C10orf4 ENSG00000148690

10	95452255	95452633	95452454	15	23	6	3.287686948	0.00104919	C10orf4	ENSG00000148690
10	95512903	95513178	95513050	11	14	4	2.876726079	0.01219	LGI1	ENSG00000108231
10	96295230	96295413	96295321	9	10	2	3.515998541	0.0136204	HELLS	ENSG00000119969
10	96336030	96336265	96336183	11	11	0	11.50690432	0.000313206	HELLS	ENSG00000119969
10	96484312	96484744	96484550	15	26	2	8.630178238	1.37E-06	CYP2C19	ENSG00000165841
10	96737995	96738180	96738087	8	9	1	4.794543465	0.00708517		ENSG00000218402
10	97044722	97045135	97044968	21	29	2	9.589086931	2.21E-07	PDLIM1	ENSG00000107438
10	97088901	97089309	97089080	16	23	1	11.50690432	1.25E-06		ENSG00000210773
10	97262076	97262386	97262232	16	17	1	8.630178238	5.44E-05	SORBS1	ENSG00000095637
10	97406730	97406930	97406839	8	9	4	1.917817386	0.103282	ALDH18A1	ENSG00000059573
10	98492452	98492666	98492529	9	9	1	4.794543465	0.00708517		ENSG00000207287
10	98551322	98551689	98551510	16	26	16	1.52297263	0.0820811		ENSG00000207976
10	98613937	98614209	98614073	10	12	5	2.077635502	0.0577144	LCOR	ENSG00000196233
10	98886278	98886710	98886457	8	17	4	3.452071295	0.00292757	SLIT1	ENSG00000187122
10	98891281	98891610	98891445	9	11	2	3.835634772	0.00800699	SLIT1	ENSG00000187122
10	99077711	99077978	99077835	8	10	5	1.757999271	0.121253	FRAT2	ENSG00000181274
10	99299695	99300131	99299926	39	56	4	10.9315591	7.30E-13	ANKRD2	ENSG00000165887
10	99303236	99303520	99303378	8	12	5	2.077635502	0.0577144	ANKRD2	ENSG00000165887
10	99316155	99316334	99316244	8	8	2	2.876726079	0.0381137	ANKRD2	ENSG00000165887
10	99324376	99324719	99324547	9	15	4	3.068507818	0.0076507	ANKRD2	ENSG00000165887
10	99398739	99399179	99398918	15	23	8	2.557089848	0.00494559	PI4K2A	ENSG00000043822
10	99401249	99401923	99401669	173	217	2	69.68069836	1.28E-60	PI4K2A	ENSG00000043822
10	99451236	99451511	99451370	19	23	1	11.50690432	1.25E-06	MARVELD1	ENSG00000155254
10	99468516	99468695	99468579	8	9	0	9.589086931	0.00120187	MARVELD1	ENSG00000155254
10	100332086	100332406	100332255	10	14	2	4.794543465	0.00154571	HPS1	ENSG00000107521
10	100491120	100491310	100491200	8	8	0	8.630178238	0.00235436		ENSG00000217480
10	100666738	100666925	100666808	8	9	3	2.397271733	0.0539397		ENSG00000217480
10	100758840	100759393	100759034	32	47	2	15.34253909	2.95E-12		ENSG00000217480
10	101370251	101370448	101370355	9	10	6	1.506856518	0.188853	SLC25A28	ENSG00000155287
10	101404637	101404886	101404736	15	15	1	7.671269544	0.000187863	ENTPD7	ENSG00000198018
10	101770143	101770366	101770254	8	9	4	1.917817386	0.103282		ENSG00000210837
10	101793135	101793537	101793297	64	70	1	34.0412586	6.61E-20		ENSG00000210842
10	102017413	102017612	102017512	8	9	5	1.598181155	0.170911	CWF19L1	ENSG00000095485
10	102035689	102036447	102035873	59	94	6	13.01376083	3.38E-21	BLOC1S2	ENSG00000196072

10	102406212	102406421	102406316	13	13	1	6.712360851	0.000640982	PAX2	ENSG00000075891
10	102588415	102588632	102588517	8	9	0	9.589086931	0.00120187	PAX2	ENSG00000075891
10	102940876	102941096	102940986	8	8	1	4.315089119	0.0127267		ENSG00000223121
10	102971232	102971710	102971531	39	49	6	6.849347808	1.27E-09	LBX1	ENSG00000138136
10	103057887	103058135	103058011	11	14	0	14.3836304	4.17E-05		ENSG00000222238
10	103308000	103308314	103308167	9	14	2	4.794543465	0.00154571	POLL	ENSG00000166169
10	103639998	103640327	103640172	15	18	1	9.109632584	2.91E-05	KCNIP2	ENSG00000120049
10	103643780	103644070	103643925	8	11	6	1.643843474	0.137712	KCNIP2	ENSG00000120049
10	103736552	103736731	103736673	8	8	4	1.726035648	0.150596	C10orf76	ENSG00000120029
10	103862931	103863299	103863138	12	17	1	8.630178238	5.44E-05	LDB1	ENSG00000198728
10	103871731	103871923	103871827	8	8	0	8.630178238	0.00235436	LDB1	ENSG00000198728
10	103901730	103901954	103901901	9	12	1	6.232906505	0.00117736	NOLC1	ENSG00000166197
10	104170638	104171074	104170803	14	21	8	2.343999027	0.0109478	FBXL15	ENSG00000107872
10	104251089	104251291	104251139	9	9	5	1.598181155	0.170911	ACTR1A	ENSG00000138107
10	104251679	104252000	104251848	8	12	1	6.232906505	0.00117736	ACTR1A	ENSG00000138107
10	104252584	104252868	104252705	10	13	6	1.917817386	0.0693353	ACTR1A	ENSG00000138107
10	104253311	104253609	104253460	10	13	5	2.237453617	0.038866	SUFU	ENSG00000107882
10	104342253	104342455	104342364	8	9	9	0.958908693	0.536911		ENSG00000207029
10	104470068	104470287	104470232	11	11	0	11.50690432	0.000313206	SFXN2	ENSG00000156398
10	104519134	104519352	104519241	9	11	3	2.876726079	0.0213797	C10orf26	ENSG00000166272
10	104519566	104519967	104519788	16	23	3	5.753452158	3.82E-05	C10orf26	ENSG00000166272
10	104792147	104792353	104792241	10	11	0	11.50690432	0.000313206		ENSG00000210987
10	104991112	104991408	104991265	12	16	1	8.150723891	0.000101217		ENSG00000213276
10	105568889	105569068	105569002	8	8	2	2.876726079	0.0381137	SH3PXD2A	ENSG00000107957
10	105573992	105574368	105574163	11	16	2	5.433815927	0.000499302	SH3PXD2A	ENSG00000107957
10	105634382	105634716	105634544	11	14	5	2.397271733	0.0258078	SH3PXD2A	ENSG00000107957
10	105639943	105640321	105640113	14	20	8	2.237453617	0.0160557	OBFC1	ENSG00000107960
10	105871313	105871650	105871481	11	17	5	2.876726079	0.00703033	C10orf78	ENSG00000156384
10	106018571	106019100	106018929	10	21	2	7.031997082	2.73E-05	GSTO2	ENSG00000065621
10	106041164	106041515	106041339	10	15	4	3.068507818	0.0076507	GSTO2	ENSG00000065621
10	106222251	106222556	106222394	13	16	7	2.037680973	0.0400399	CCDC147	ENSG00000120051
10	106222561	106222792	106222630	8	9	4	1.917817386	0.103282	CCDC147	ENSG00000120051
10	106558963	106559629	106559138	29	56	2	18.21926517	9.63E-15	SORCS3	ENSG00000156395
10	106960274	106960566	106960421	8	11	1	5.753452158	0.00215302	SORCS3	ENSG00000156395

10	107701967	107702250	107702079	18	20	3	5.034270639	0.000202317		ENSG00000213260
10	108189163	108189423	108189290	11	13	4	2.684944341	0.01921		ENSG00000213257
10	108263277	108263517	108263396	8	8	0	8.630178238	0.00235436		ENSG00000213257
10	108315303	108315586	108315470	9	10	3	2.636998906	0.034203		ENSG00000213257
10	109335335	109335585	109335500	15	17	0	17.26035648	5.54E-06		ENSG00000200079
10	109789340	109790010	109789732	56	83	2	26.84944341	2.65E-22		ENSG00000217870
10	111925200	111925422	111925337	10	11	0	11.50690432	0.000313206	MXI1	ENSG00000119950
10	111960704	111961002	111960870	8	11	5	1.917817386	0.0843804	MXI1	ENSG00000119950
10	111966986	111967379	111967189	26	34	5	5.593634043	1.29E-06	MXI1	ENSG00000119950
10	112148388	112148713	112148550	10	14	3	3.595907599	0.00486913		ENSG00000221359
10	112318047	112318461	112318209	8	15	3	3.835634772	0.00291691	SMC3	ENSG00000108055
10	112806687	112807057	112806878	17	24	0	23.97271733	5.01E-08	ADRA2A	ENSG00000150594
10	113506278	113506574	113506443	11	12	2	4.155271003	0.0046638		ENSG00000220136
10	114196516	114196907	114196816	10	16	2	5.433815927	0.000499302	VTI1A	ENSG00000151532
10	114465861	114466315	114466040	11	20	1	10.06854128	8.32E-06		ENSG00000203854
10	114561752	114561948	114561850	8	10	2	3.515998541	0.0136204		ENSG00000203854
10	114817322	114817560	114817441	14	14	0	14.3836304	4.17E-05		ENSG00000179487
10	114843255	114843451	114843396	8	9	3	2.397271733	0.0539397		ENSG00000179487
10	115271037	115271220	115271128	9	9	3	2.397271733	0.0539397	HABP2	ENSG00000148702
10	115549385	115549573	115549475	9	10	2	3.515998541	0.0136204		ENSG00000212589
10	115844485	115844669	115844588	8	8	1	4.315089119	0.0127267		ENSG00000211087
10	116016274	116016677	116016498	17	24	5	3.995452888	0.00024777		ENSG00000219906
10	116053657	116054104	116053826	10	17	4	3.452071295	0.00292757	AFAP1L2	ENSG00000169129
10	116373658	116373918	116373742	13	15	1	7.671269544	0.000187863	ABLIM1	ENSG00000099204
10	116529472	116529756	116529600	11	13	2	4.474907234	0.00269459		ENSG00000220318
10	116569214	116569426	116569320	8	10	0	10.54799562	0.000613541	FAM160B1	ENSG00000151553
10	116688228	116688539	116688383	12	17	0	17.26035648	5.54E-06	TRUB1	ENSG00000165832
10	117194922	117195127	117195024	10	12	0	12.46581301	0.000159888	ATRNL1	ENSG00000107518
10	117548929	117549179	117549054	8	10	4	2.109599125	0.0694668		ENSG00000203279
10	117800116	117800346	117800237	8	8	2	2.876726079	0.0381137		ENSG00000222696
10	117995437	117995676	117995526	8	11	2	3.835634772	0.00800699	GFRA1	ENSG00000151892
10	117998518	117998754	117998636	8	10	2	3.515998541	0.0136204	GFRA1	ENSG00000151892
10	118383972	118384392	118384219	19	26	5	4.315089119	8.98E-05	PNLIPRP2	ENSG00000165862
10	118431744	118432167	118432010	8	15	3	3.835634772	0.00291691	C10orf82	ENSG00000165863

10	118717860	118718152	118718011	9	11	0	11.50690432	0.000313206	KIAA1598	ENSG00000187164
10	118966150	118966755	118966576	22	50	4	9.780868669	2.72E-11	KCNK18	ENSG00000186795
10	120265035	120265235	120265135	8	8	3	2.157544559	0.0836802		ENSG00000203278
10	120599978	120600320	120600149	9	14	2	4.794543465	0.00154571		ENSG00000217638
10	120746190	120746491	120746332	10	12	6	1.78083043	0.0985525		ENSG00000215925
10	120753165	120753510	120753337	19	22	1	11.02744997	2.36E-06		ENSG00000215925
10	120756454	120756703	120756578	10	12	2	4.155271003	0.0046638		ENSG00000215925
10	121066274	121066581	121066427	9	12	0	12.46581301	0.000159888		ENSG00000211177
10	121074624	121074931	121074777	18	22	5	3.675816657	0.000667901		ENSG00000211177
10	121413683	121413953	121413816	8	9	11	0.799090578	0.702688	BAG3	ENSG00000151929
10	121621204	121621392	121621298	8	8	3	2.157544559	0.0836802	C10orf119	ENSG00000197771
10	121955330	121955517	121955406	8	9	2	3.19636231	0.0229249		ENSG00000221402
10	121971522	121971701	121971620	8	8	3	2.157544559	0.0836802		ENSG00000221402
10	122002751	122002989	122002870	10	13	1	6.712360851	0.000640982		ENSG00000220842
10	122145548	122146136	122145908	20	34	0	33.56180426	6.02E-11		ENSG00000218859
10	122253843	122254593	122254015	16	35	0	34.52071295	3.07E-11	PPAPDC1A	ENSG00000203805
10	122600661	122600878	122600761	8	9	6	1.369869562	0.253675	BRWD2	ENSG00000120008
10	122819066	122819245	122819155	8	8	1	4.315089119	0.0127267		ENSG00000220021
10	122820054	122820243	122820148	8	8	2	2.876726079	0.0381137		ENSG00000220021
10	122909256	122909524	122909414	9	11	2	3.835634772	0.00800699		ENSG00000220021
10	123082383	123082686	123082534	12	16	2	5.433815927	0.000499302		ENSG00000222979
10	123359467	123359683	123359577	8	9	2	3.19636231	0.0229249	FGFR2	ENSG00000066468
10	123360374	123360908	123360620	42	63	0	61.37015636	2.05E-19	FGFR2	ENSG00000066468
10	123812735	123812984	123812840	12	12	2	4.155271003	0.0046638	TACC2	ENSG00000138162
10	124707022	124707299	124707139	15	15	0	15.34253909	2.13E-05	C10orf88	ENSG00000119965
10	125194943	125195179	125195061	9	10	2	3.515998541	0.0136204	GPR26	ENSG00000154478
10	125288160	125288782	125288556	52	77	4	14.95897561	1.77E-18	GPR26	ENSG00000154478
10	125371017	125371277	125371120	8	9	2	3.19636231	0.0229249	GPR26	ENSG00000154478
10	125592328	125592544	125592436	9	9	2	3.19636231	0.0229249	CPXM2	ENSG00000121898
10	126743288	126743655	126743426	9	14	5	2.397271733	0.0258078	CTBP2	ENSG00000175029
10	126766173	126766456	126766286	11	14	0	14.3836304	4.17E-05	CTBP2	ENSG00000175029
10	126972756	126972939	126972847	8	9	1	4.794543465	0.00708517		ENSG00000212946
10	126975155	126975512	126975333	14	20	4	4.027416511	0.000652226		ENSG00000212946
10	127209069	127209248	127209145	8	8	1	4.315089119	0.0127267		ENSG00000220396

10	127340708	127340921	127340814	8	8	2	2.876726079	0.0381137		ENSG00000214297
10	127519525	127519819	127519682	14	16	1	8.150723891	0.000101217		ENSG00000215972
10	127565003	127565189	127565096	8	8	8	0.958908693	0.534974		ENSG00000222629
10	127565288	127565472	127565399	8	9	11	0.799090578	0.702688		ENSG00000222629
10	127570879	127571223	127571051	8	12	5	2.077635502	0.0577144		ENSG00000222629
10	127572890	127573228	127573059	8	14	9	1.43836304	0.179537	FANK1	ENSG00000203780
10	127573992	127574404	127574225	10	17	6	2.465765211	0.014729	FANK1	ENSG00000203780
10	127645912	127646537	127646316	35	57	2	18.5389014	5.08E-15	FANK1	ENSG00000203780
10	128147066	128147294	128147200	10	13	0	13.4247217	8.16E-05		ENSG00000203779
10	128344794	128344981	128344870	8	9	1	4.794543465	0.00708517		ENSG00000221717
10	129263005	129263503	129263253	19	31	1	15.34253909	7.54E-09	NPS	ENSG00000214285
10	129551393	129552049	129551624	106	141	0	136.1650344	3.42E-42	CLRN3	ENSG00000180745
10	129627734	129628500	129628196	112	185	1	89.17850845	4.46E-53	PTPRE	ENSG00000132334
10	131378151	131378341	131378248	8	9	4	1.917817386	0.103282	MGMT	ENSG00000170430
10	131406882	131407271	131407071	18	26	4	5.178106943	2.75E-05	EBF3	ENSG00000108001
10	132078214	132078601	132078393	19	25	0	24.93162602	2.56E-08		ENSG00000222997
10	132782729	132783412	132783115	135	172	2	55.29706797	1.12E-47	TCERG1L	ENSG00000176769
10	132803015	132803214	132803135	8	9	2	3.19636231	0.0229249	TCERG1L	ENSG00000176769
10	132817904	132818106	132818019	11	12	7	1.558226626	0.152813	TCERG1L	ENSG00000176769
10	133459794	133460171	133459984	51	59	2	19.17817386	1.41E-15		ENSG00000189275
10	134045172	134045524	134045311	17	22	1	11.02744997	2.36E-06	PWWP2B	ENSG00000171813
10	134087842	134088135	134087988	17	18	3	4.554816292	0.000599415		ENSG00000197735
10	134526964	134527243	134527103	10	10	0	10.54799562	0.000613541	C10orf92	ENSG00000108046
10	134908486	134909006	134908676	17	29	0	28.76726079	1.74E-09		ENSG00000199089
10	135349256	135349435	135349286	9	9	8	1.065454103	0.442605		ENSG00000203766
11	273882	274135	274008	10	12	0	12.46581301	0.000159888	ATHL1	ENSG00000142102
11	406995	407174	407084	8	8	5	1.43836304	0.235762	SIGIRR	ENSG00000185187
11	429940	430239	430083	10	11	2	3.835634772	0.00800699		ENSG00000209358
11	524560	524967	524739	36	44	3	10.7877228	1.57E-10	HRAS	ENSG00000174775
11	696802	697191	697012	17	24	3	5.993179332	2.17E-05	EPS8L2	ENSG00000177106
11	794110	794615	794450	52	65	3	15.82199344	3.44E-16	LRDD	ENSG00000177595
11	1063549	1063749	1063628	9	9	1	4.794543465	0.00708517	MUC2	ENSG00000198788
11	1098753	1099087	1098921	13	16	1	8.150723891	0.000101217	MUC2	ENSG00000198788
11	1633113	1633491	1633301	32	41	0	40.27416511	5.44E-13	FAM99A	ENSG00000205866

11	1808350	1809056	1808685	63	97	1	46.98652596	1.18E-27	SYT8	ENSG00000149043
11	3593711	3594192	3594025	35	49	1	23.97271733	6.39E-14	TRPC2	ENSG00000215103
11	3723020	3723268	3723165	11	12	4	2.493162602	0.0299057		ENSG00000209091
11	3785665	3785898	3785821	8	10	1	5.273997812	0.00391723		ENSG00000148985
11	4072344	4072900	4072523	12	24	3	5.993179332	2.17E-05	RRM1	ENSG00000167325
11	4371484	4371713	4371593	8	9	1	4.794543465	0.00708517	TRIM21	ENSG00000132109
11	4431888	4432190	4432064	23	23	0	23.01380863	9.81E-08	OR52K2	ENSG00000181963
11	4441689	4441951	4441820	8	10	5	1.757999271	0.121253	OR52K3P	ENSG00000205512
11	4441990	4442654	4442252	179	232	5	37.23762091	1.60E-60	OR52K3P	ENSG00000205512
11	5269112	5269314	5269182	8	9	2	3.19636231	0.0229249	OR51AB1P	ENSG00000219058
11	5668073	5668606	5668372	26	45	0	44.10979988	3.69E-14	TRIM22	ENSG00000132274
11	5785431	5785781	5785610	28	33	3	8.150723891	1.18E-07	OR52N2	ENSG00000180988
11	5843707	5843903	5843805	11	11	0	11.50690432	0.000313206	TRIM5	ENSG00000132256
11	6367847	6368026	6367936	8	9	1	4.794543465	0.00708517	SMPD1	ENSG00000166311
11	6581294	6581544	6581419	11	12	6	1.78083043	0.0985525	KIAA0409	ENSG00000132275
11	6782441	6782659	6782550	13	13	0	13.4247217	8.16E-05	OR6A2	ENSG00000184933
11	7575621	7575900	7575760	10	11	5	1.917817386	0.0843804	CYB5R2	ENSG00000166394
11	7578154	7578462	7578305	13	16	6	2.328778255	0.0221113	CYB5R2	ENSG00000166394
11	7965119	7965373	7965254	11	13	7	1.678090213	0.11195	EIF3F	ENSG00000175390
11	9117024	9117391	9117199	26	32	2	10.54799562	3.50E-08		ENSG00000212788
11	9453651	9453850	9453737	9	9	0	9.589086931	0.00120187	ZNF143	ENSG00000166478
11	9546972	9547196	9547094	10	11	3	2.876726079	0.0213797	WEE1	ENSG00000166483
11	9588049	9588509	9588286	29	48	1	23.49326298	1.23E-13		ENSG00000209446
11	9780369	9780894	9780604	29	42	2	13.74435793	6.90E-11		ENSG00000201564
11	9968749	9969075	9968912	10	12	0	12.46581301	0.000159888		ENSG00000215043
11	10022626	10023198	10022880	63	82	0	79.58942152	5.79E-25		ENSG00000215043
11	10478522	10478724	10478623	9	9	2	3.19636231	0.0229249		ENSG00000209455
11	10611456	10611697	10611567	11	11	0	11.50690432	0.000313206	MRVI1	ENSG00000072952
11	10877618	10877882	10877750	11	13	1	6.712360851	0.000640982		ENSG00000222048
11	11651365	11651544	11651454	8	8	1	4.315089119	0.0127267	GALNTL4	ENSG00000110328
11	12044102	12044485	12044281	12	20	0	20.13708255	7.37E-07	MICAL2	ENSG00000133816
11	12226593	12226857	12226725	9	11	4	2.301380863	0.0459276	MICALCL	ENSG00000133808
11	13322347	13322576	13322493	8	11	1	5.753452158	0.00215302		ENSG00000222162
11	16753583	16753931	16753757	8	14	1	7.191815198	0.00034761	PLEKHA7	ENSG00000166689

11	16798388	16798656	16798519	9	11	2	3.835634772	0.00800699	ENSG00000199883
11	16896843	16897044	16896981	8	8	5	1.43836304	0.235762	ENSG00000209522
11	16935028	16935290	16935173	10	11	10	1.046082211	0.455063	ENSG00000209522
11	16965330	16965569	16965474	8	9	6	1.369869562	0.253675	ENSG00000209522
11	17055638	17056199	17055929	9	19	8	2.130908207	0.0233014	RPS13 ENSG00000110700
11	17090814	17091156	17090985	19	24	0	23.97271733	5.01E-08	ENSG00000201586
11	17150311	17150577	17150444	8	10	3	2.636998906	0.034203	PIK3C2A ENSG00000011405
11	17347980	17348284	17348127	14	17	0	17.26035648	5.54E-06	KCNJ11 ENSG00000187486
11	17356860	17357285	17357062	12	20	2	6.712360851	4.91E-05	KCNJ11 ENSG00000187486
11	19973287	19973558	19973422	9	10	6	1.506856518	0.188853	NAV2 ENSG00000166833
11	20013898	20014133	20014015	13	15	2	5.114179696	0.00088103	NAV2 ENSG00000166833
11	20462079	20462450	20462271	13	20	2	6.712360851	4.91E-05	PRMT3 ENSG00000185238
11	28117948	28118382	28118127	23	32	2	10.54799562	3.50E-08	METT5D1 ENSG00000169519
11	28118840	28119455	28118989	17	30	1	14.86308474	1.43E-08	METT5D1 ENSG00000169519
11	28499222	28499822	28499417	98	125	4	24.16449907	1.08E-31	ENSG00000216849
11	30175860	30176402	30176102	17	30	2	9.908723162	1.20E-07	FSHB ENSG00000131808
11	30665300	30665519	30665400	8	9	0	9.589086931	0.00120187	MPPED2 ENSG00000066382
11	33039587	33039931	33039764	45	47	0	46.02761727	9.62E-15	ENSG00000213713
11	33138147	33138460	33138289	12	16	0	16.30144778	1.09E-05	CSTF3 ENSG00000176102
11	33786372	33786551	33786482	8	8	1	4.315089119	0.0127267	FBXO3 ENSG00000110429
11	34008593	34008877	34008735	13	15	0	15.34253909	2.13E-05	CAPRIN1 ENSG00000135387
11	34241474	34241817	34241645	10	15	6	2.191791298	0.0328001	ENSG00000201867
11	34252796	34253216	34252975	14	23	7	2.876726079	0.00239423	ABTB2 ENSG00000166016
11	34374338	34374525	34374431	8	9	1	4.794543465	0.00708517	ENSG00000220204
11	34491825	34492031	34491944	9	11	4	2.301380863	0.0459276	ELF5 ENSG00000135374
11	34548723	34549002	34548862	10	13	7	1.678090213	0.11195	EHF ENSG00000135373
11	34610039	34610318	34610178	9	11	4	2.301380863	0.0459276	EHF ENSG00000135373
11	34614341	34614590	34614465	8	9	2	3.19636231	0.0229249	EHF ENSG00000135373
11	34646320	34646506	34646451	8	9	0	9.589086931	0.00120187	EHF ENSG00000135373
11	34663435	34663984	34663706	67	89	4	17.26035648	9.60E-22	EHF ENSG00000135373
11	35463734	35464034	35463887	9	12	4	2.493162602	0.0299057	ENSG00000149090
11	36572427	36572667	36572547	8	9	4	1.917817386	0.103282	C11orf74 ENSG00000166352
11	38439124	38439315	38439219	9	9	4	1.917817386	0.103282	
11	38573092	38573353	38573222	10	12	0	12.46581301	0.000159888	

11	42750015	42750376	42750166	23	27	0	26.84944341	6.66E-09		
11	44122175	44122360	44122267	8	8	2	2.876726079	0.0381137	EXT2	ENSG00000151348
11	44542818	44543094	44542931	11	13	6	1.917817386	0.0693353	CD82	ENSG00000085117
11	45714559	45714929	45714738	30	37	7	4.554816292	2.99E-06		ENSG00000205106
11	45821275	45821546	45821410	14	18	6	2.602752167	0.00970422	CRY2	ENSG00000121671
11	45826748	45826946	45826833	8	9	1	4.794543465	0.00708517	CRY2	ENSG00000121671
11	45859884	45860151	45860019	9	9	3	2.397271733	0.0539397	MAPK8IP1	ENSG00000121653
11	46097285	46097593	46097452	11	14	2	4.794543465	0.00154571	PHF21A	ENSG00000135365
11	46323190	46323513	46323345	9	12	0	12.46581301	0.000159888	DGKZ	ENSG00000149091
11	46345784	46345963	46345905	8	8	0	8.630178238	0.00235436	DGKZ	ENSG00000149091
11	46391905	46392097	46392001	9	9	2	3.19636231	0.0229249		ENSG00000222006
11	46460263	46460562	46460386	8	11	2	3.835634772	0.00800699		ENSG00000222006
11	46572131	46572320	46572257	9	10	5	1.757999271	0.121253	AMBRA1	ENSG00000110497
11	46635839	46636179	46636009	12	18	5	3.036544195	0.0044641	KIAA0652	ENSG00000175224
11	46678870	46679116	46678982	8	9	10	0.871735176	0.624623	ZNF408	ENSG00000175213
11	46804488	46804992	46804667	12	25	3	6.232906505	1.23E-05	CKAP5	ENSG00000175216
11	46914657	46914959	46914807	16	20	3	5.034270639	0.000202317	C11orf49	ENSG00000149179
11	46965333	46965738	46965535	22	32	2	10.54799562	3.50E-08	C11orf49	ENSG00000149179
11	47034102	47034320	47034211	8	8	1	4.315089119	0.0127267	C11orf49	ENSG00000149179
11	47121611	47121843	47121727	10	11	4	2.301380863	0.0459276	ARFGAP2	ENSG00000149182
11	47139327	47139565	47139484	8	12	5	2.077635502	0.0577144	ARFGAP2	ENSG00000149182
11	47155468	47155656	47155574	10	10	2	3.515998541	0.0136204	ARFGAP2	ENSG00000149182
11	47192548	47192743	47192679	8	9	5	1.598181155	0.170911	DDB2	ENSG00000134574
11	47192751	47193683	47193143	287	379	9	36.43853034	9.17E-97	DDB2	ENSG00000134574
11	47194138	47194556	47194278	9	17	2	5.753452158	0.000281509	DDB2	ENSG00000134574
11	47226799	47227117	47226960	10	15	10	1.394776281	0.191426	ACP2	ENSG00000134575
11	47237566	47237779	47237699	8	9	4	1.917817386	0.103282	NR1H3	ENSG00000025434
11	47333452	47333680	47333566	13	14	5	2.397271733	0.0258078		ENSG00000203453
11	47352097	47352383	47352274	8	11	7	1.43836304	0.204844	SPI1	ENSG00000066336
11	47556981	47557296	47557120	14	18	10	1.656296833	0.0841786	KBTBD4	ENSG00000123444
11	47703988	47704172	47704082	8	8	1	4.315089119	0.0127267		ENSG00000200090
11	47745773	47746035	47745904	8	11	2	3.835634772	0.00800699	FNBP4	ENSG00000109920
11	47912636	47912815	47912725	9	9	0	9.589086931	0.00120187	PTPRJ	ENSG00000149177
11	48028089	48028355	48028225	11	14	1	7.191815198	0.00034761	PTPRJ	ENSG00000149177

11	48028453	48028717	48028585	8	11	0	11.50690432	0.000313206	PTPRJ	ENSG00000149177
11	48072044	48072235	48072146	10	10	2	3.515998541	0.0136204	PTPRJ	ENSG00000149177
11	48674575	48674755	48674726	9	9	13	0.684934781	0.824961		ENSG00000213607
11	48772738	48773068	48772903	12	12	15	0.779113313	0.750998		ENSG00000214907
11	48815784	48815964	48815934	8	8	19	0.431508912	0.986481		ENSG00000214907
11	48820165	48820498	48820331	48	50	47	1.018840486	0.462307		ENSG00000214907
11	48823245	48823424	48823396	8	8	11	0.71918152	0.777546		ENSG00000214907
11	48838307	48838635	48838471	11	11	7	1.43836304	0.204844		ENSG00000214907
11	48914374	48914705	48914539	31	31	18	1.615004115	0.044781		ENSG00000214907
11	50726273	50726602	50726437	12	12	6	1.78083043	0.0985525		ENSG00000214883
11	50737885	50738214	50738049	9	10	11	0.878999635	0.622439		ENSG00000214883
11	51429130	51429310	51429281	8	8	3	2.157544559	0.0836802	OR4C46	ENSG00000185926
11	51429930	51430113	51429961	11	13	8	1.491635745	0.166708	OR4C46	ENSG00000185926
11	51433010	51433192	51433041	11	11	4	2.301380863	0.0459276	OR4C46	ENSG00000185926
11	51435325	51435506	51435475	8	8	8	0.958908693	0.534974	OR4C46	ENSG00000185926
11	51435885	51436217	51436051	28	31	23	1.278544924	0.178011	OR4C46	ENSG00000185926
11	51437367	51437546	51437518	10	10	6	1.506856518	0.188853	OR4C46	ENSG00000185926
11	55795102	55795296	55795223	9	9	0	9.589086931	0.00120187	OR5T1	ENSG00000181698
11	56621300	56621560	56621426	13	15	2	5.114179696	0.00088103	LRRC55	ENSG00000183908
11	56849052	56849237	56849144	8	8	2	2.876726079	0.0381137	TNKS1BP1	ENSG00000149115
11	57312488	57312719	57312603	8	9	0	9.589086931	0.00120187	CTNND1	ENSG00000198561
11	57324671	57325121	57324850	11	19	1	9.589086931	1.56E-05	CTNND1	ENSG00000198561
11	58102051	58102343	58102197	12	16	6	2.328778255	0.0221113	CNTF	ENSG00000186660
11	58725425	58725709	58725567	13	14	0	14.3836304	4.17E-05		ENSG00000197629
11	59090212	59090538	59090372	10	12	11	1.038817751	0.460341	OSBP	ENSG00000110048
11	59300592	59300838	59300715	9	11	4	2.301380863	0.0459276		ENSG00000166899
11	59887590	59887943	59887703	9	13	7	1.678090213	0.11195	MS4A7	ENSG00000166927
11	60087646	60088224	60087861	89	116	2	37.39743903	1.17E-31	MS4A13	ENSG00000204979
11	60355202	60355477	60355313	9	12	2	4.155271003	0.0046638	CCDC86	ENSG00000110104
11	60396188	60396428	60396307	8	10	1	5.273997812	0.00391723	ZP1	ENSG00000149506
11	60437984	60438177	60438080	8	10	7	1.318499453	0.269217	TMEM109	ENSG00000110108
11	60653802	60654131	60653976	13	18	4	3.643853034	0.00178791	CD5	ENSG00000110448
11	60682702	60683058	60682880	18	24	7	2.996589666	0.00154378	VPS37C	ENSG00000167987
11	60821597	60821991	60821769	10	16	1	8.150723891	0.000101217	VWCE	ENSG00000167992

11	60824627	60824994	60824838	16	22	1	11.02744997	2.36E-06	VWCE	ENSG00000167992
11	60860231	60860414	60860355	8	9	1	4.794543465	0.00708517	DAK	ENSG00000149476
11	61040951	61041167	61041019	8	9	0	9.589086931	0.00120187		ENSG00000204950
11	61150834	61151112	61150964	19	21	7	2.636998906	0.00562102		ENSG00000213553
11	61221770	61222049	61221915	11	12	1	6.232906505	0.00117736	DAGLA	ENSG00000134780
11	61282521	61282877	61282699	16	22	1	11.02744997	2.36E-06		ENSG00000124915
11	61304939	61305327	61305103	16	22	4	4.410979988	0.000231863	C11orf9	ENSG00000124920
11	61344164	61344562	61344340	42	52	3	12.70554018	1.15E-12	FADS1	ENSG00000149485
11	61505207	61505644	61505479	22	30	2	9.908723162	1.20E-07	FTH1	ENSG00000167996
11	61523074	61523503	61523306	21	36	5	5.913270274	4.32E-07	FTH1	ENSG00000167996
11	61585534	61585739	61585645	8	8	2	2.876726079	0.0381137	INCENP	ENSG00000149503
11	61620321	61620549	61620435	11	12	0	12.46581301	0.000159888	INCENP	ENSG00000149503
11	61746927	61747471	61747106	39	52	0	50.82216073	3.34E-16	SCGB2A1	ENSG00000124939
11	61766061	61766367	61766214	12	14	2	4.794543465	0.00154571	SCGB1D2	ENSG00000124935
11	61809729	61810023	61809874	13	16	1	8.150723891	0.000101217	SCGB1D4	ENSG00000197745
11	62097796	62098015	62097916	8	9	2	3.19636231	0.0229249	EEF1G	ENSG00000186676
11	62115520	62115831	62115681	17	21	4	4.219198249	0.000390041	TUT1	ENSG00000149016
11	62123221	62123621	62123442	18	28	5	4.63472535	3.19E-05	MTA2	ENSG00000149480
11	62123726	62124380	62124103	118	159	6	21.91791298	7.20E-39	MTA2	ENSG00000149480
11	62177321	62177605	62177451	17	18	6	2.602752167	0.00970422	INTS5	ENSG00000185085
11	62195608	62195805	62195713	13	13	1	6.712360851	0.000640982	C11orf83	ENSG00000204922
11	62310485	62310850	62310664	9	15	6	2.191791298	0.0328001	TMEM179B	ENSG00000185475
11	62329671	62330018	62329846	9	12	2	4.155271003	0.0046638	NXF1	ENSG00000162231
11	62405654	62405856	62405755	8	10	2	3.515998541	0.0136204	SLC3A2	ENSG00000168003
11	62433324	62433674	62433499	10	16	3	4.075361945	0.00173346	CHRM1	ENSG00000168539
11	63069772	63070097	63069934	14	16	1	8.150723891	0.000101217	RARRES3	ENSG00000133321
11	63146529	63146783	63146656	10	14	6	2.054804342	0.0480281		ENSG00000196566
11	63158648	63158848	63158750	10	10	3	2.636998906	0.034203		ENSG00000196566
11	63315633	63315905	63315769	12	14	1	7.191815198	0.00034761	C11orf84	ENSG00000168005
11	63327139	63327440	63327289	8	9	4	1.917817386	0.103282	C11orf84	ENSG00000168005
11	63462400	63462686	63462543	8	13	7	1.678090213	0.11195	NAT11	ENSG00000110583
11	63510232	63510452	63510349	9	9	3	2.397271733	0.0539397	OTUB1	ENSG00000167770
11	63690584	63690780	63690682	9	9	2	3.19636231	0.0229249	MACROD1	ENSG00000133315
11	63728520	63728835	63728689	9	10	2	3.515998541	0.0136204	FERMT3	ENSG00000149781

11	63835134	63835509	63835417	15	23	2	7.671269544	8.30E-06	ESRRA	ENSG00000173153
11	63841589	63841789	63841689	8	8	6	1.232882605	0.333038		ENSG00000173113
11	63961459	63961676	63961559	10	12	0	12.46581301	0.000159888		ENSG00000181908
11	63973660	63973883	63973805	9	10	2	3.515998541	0.0136204		ENSG00000181908
11	64043401	64043880	64043580	8	15	4	3.068507818	0.0076507		ENSG00000220919
11	64366860	64367444	64367265	53	83	1	40.27416511	1.25E-23	CDC42BPG	ENSG00000171219
11	64551712	64551989	64551866	10	12	7	1.558226626	0.152813	SNX15	ENSG00000110025
11	64564912	64565165	64565064	8	10	3	2.636998906	0.034203	SAC3D1	ENSG00000168061
11	64565300	64565479	64565363	8	8	0	8.630178238	0.00235436	SAC3D1	ENSG00000168061
11	64608071	64608291	64608177	10	11	8	1.278544924	0.28289	CDCA5	ENSG00000146670
11	64619997	64620320	64620158	10	15	13	1.095895649	0.398774	C11orf2	ENSG00000149823
11	64646165	64646628	64646327	22	29	2	9.589086931	2.21E-07	MRPL49	ENSG00000149792
11	64648927	64649180	64649046	13	14	2	4.794543465	0.00154571	FAU	ENSG00000149806
11	64658925	64659222	64659073	8	11	5	1.917817386	0.0843804	SYVN1	ENSG00000162298
11	64707193	64707454	64707323	11	12	0	12.46581301	0.000159888	CAPN1	ENSG0000014216
11	64906179	64906567	64906388	11	18	2	6.073088389	0.000157975	SLC25A45	ENSG00000162241
11	64942825	64943633	64943018	12	35	10	3.138246632	0.000135509		ENSG00000207727
11	64944031	64944563	64944210	13	28	3	6.952088025	2.20E-06		ENSG00000207727
11	64944903	64946480	64945393	290	417	18	21.09599125	8.39E-97		ENSG00000207727
11	64946528	64946958	64946820	14	20	4	4.027416511	0.000652226		ENSG00000207727
11	64947705	64947901	64947803	9	9	0	9.589086931	0.00120187		ENSG00000207727
11	64992960	64993161	64993060	9	10	1	5.273997812	0.00391723		ENSG00000173727
11	64996213	64996588	64996409	12	20	5	3.356180426	0.0017534		ENSG00000173727
11	65000828	65001149	65000988	10	12	4	2.493162602	0.0299057		ENSG00000173727
11	65001624	65002100	65001774	8	15	9	1.534253909	0.136498		ENSG00000173727
11	65011577	65011836	65011673	8	10	3	2.636998906	0.034203		ENSG00000173727
11	65015825	65016190	65016011	9	15	3	3.835634772	0.00291691	SCYL1	ENSG00000142186
11	65021444	65021951	65021623	11	23	4	4.602761727	0.000137072	SCYL1	ENSG00000142186
11	65022639	65023154	65022950	10	20	10	1.830643869	0.0454769	SCYL1	ENSG00000142186
11	65024625	65024984	65024854	10	16	3	4.075361945	0.00173346	SCYL1	ENSG00000142186
11	65026645	65026850	65026769	8	9	2	3.19636231	0.0229249	SCYL1	ENSG00000142186
11	65032622	65032845	65032733	9	11	5	1.917817386	0.0843804	SCYL1	ENSG00000142186
11	65094430	65094643	65094536	8	11	2	3.835634772	0.00800699	SSSCA1	ENSG00000173465
11	65139193	65139586	65139410	18	24	15	1.498294833	0.0979832	PCNXL3	ENSG00000197136

11	65243768	65243967	65243877	8	8	5	1.43836304	0.235762	RNASEH2C	ENSG00000172922
11	65308044	65308525	65308171	15	25	3	6.232906505	1.23E-05	OVOL1	ENSG00000172818
11	65313505	65313698	65313601	11	12	3	3.116453252	0.0131971	OVOL1	ENSG00000172818
11	65314106	65314324	65314236	8	8	4	1.726035648	0.150596	OVOL1	ENSG00000172818
11	65317054	65317602	65317335	21	33	6	4.657556509	7.52E-06	OVOL1	ENSG00000172818
11	65342376	65342590	65342472	8	10	0	10.54799562	0.000613541	SNX32	ENSG00000172803
11	65384324	65384573	65384442	10	12	4	2.493162602	0.0299057	MUS81	ENSG00000172732
11	65412410	65412849	65412629	8	16	12	1.253957522	0.265012	FIBP	ENSG00000172500
11	65423030	65423535	65423269	24	40	4	7.863051283	1.01E-08	FOSL1	ENSG00000175592
11	65513115	65513431	65513273	13	18	8	2.024362796	0.0334397	BANF1	ENSG00000175334
11	65526209	65526578	65526382	19	25	7	3.116453252	0.000988074	EIF1AD	ENSG00000175376
11	65575638	65575823	65575684	8	9	1	4.794543465	0.00708517	SF3B2	ENSG00000087365
11	65575890	65576437	65576203	10	21	12	1.622768557	0.076896	SF3B2	ENSG00000087365
11	65595065	65595299	65595182	9	11	7	1.43836304	0.204844	PACS1	ENSG00000175115
11	65637283	65637501	65637380	10	12	2	4.155271003	0.0046638		ENSG00000210102
11	65651080	65651339	65651209	8	10	0	10.54799562	0.000613541		ENSG00000210102
11	65746767	65746980	65746873	10	11	8	1.278544924	0.28289	RAB1B	ENSG00000174903
11	65861080	65861530	65861205	12	20	4	4.027416511	0.000652226	RIN1	ENSG00000174791
11	65863109	65863422	65863265	14	19	6	2.739739123	0.00632909	RIN1	ENSG00000174791
11	65868796	65869076	65868936	8	13	1	6.712360851	0.000640982	BRMS1	ENSG00000174744
11	65872098	65872534	65872361	12	21	9	2.109599125	0.0196396		ENSG00000174684
11	65910223	65910440	65910358	9	9	7	1.198635866	0.346278		ENSG00000202317
11	65910462	65910645	65910500	8	9	9	0.958908693	0.536911		ENSG00000202317
11	65945595	65945943	65945821	12	16	6	2.328778255	0.0221113	NPAS4	ENSG00000174576
11	65954101	65954381	65954273	10	14	7	1.797953799	0.0806593		ENSG00000201733
11	66034539	66035039	66034753	8	18	6	2.602752167	0.00970422	BBS1	ENSG00000174483
11	66128618	66128797	66128707	8	8	1	4.315089119	0.0127267		ENSG00000199325
11	66141917	66142186	66142058	8	11	4	2.301380863	0.0459276	RBM4	ENSG00000173933
11	66143152	66143661	66143446	61	78	4	15.15075735	9.49E-19	RBM4	ENSG00000173933
11	66160553	66161025	66160721	15	24	7	2.996589666	0.00154378	RBM4	ENSG00000173933
11	66161569	66161903	66161743	8	11	7	1.43836304	0.204844	RBM4	ENSG00000173933
11	66202537	66202716	66202666	8	8	3	2.157544559	0.0836802	RBM4B	ENSG00000173914
11	66218698	66219217	66219038	14	27	7	3.356180426	0.000396559	RBM4B	ENSG00000173914
11	66242809	66243037	66242910	9	11	12	0.885146486	0.620672	SPTBN2	ENSG00000173898

11	66268516	66268705	66268629	8	8	0	8.630178238	0.00235436	C11orf80	ENSG00000173715
11	66273260	66273567	66273411	10	13	7	1.678090213	0.11195		ENSG00000213410
11	66313600	66313928	66313759	8	13	3	3.356180426	0.00805599		ENSG00000213409
11	66358232	66358613	66358434	9	16	11	1.358453982	0.20248	RCE1	ENSG00000173653
11	66416317	66416576	66416465	13	17	1	8.630178238	5.44E-05	PC	ENSG00000173599
11	66474110	66474499	66474329	11	18	11	1.518272097	0.122037	PC	ENSG00000173599
11	66546439	66546776	66546607	9	11	6	1.643843474	0.137712	SYT12	ENSG00000173227
11	66579247	66579572	66579412	9	14	10	1.307602763	0.244096	RHOD	ENSG00000173156
11	66581620	66582048	66581795	18	27	5	4.474907234	5.37E-05	RHOD	ENSG00000173156
11	66586812	66587028	66586920	8	9	6	1.369869562	0.253675	RHOD	ENSG00000173156
11	66595870	66596053	66595945	8	9	0	9.589086931	0.00120187	RHOD	ENSG00000173156
11	66605601	66605993	66605780	12	19	8	2.130908207	0.0233014	RHOD	ENSG00000173156
11	66606262	66606732	66606497	13	25	6	3.56166086	0.000408555	RHOD	ENSG00000173156
11	66643955	66644262	66644116	11	13	3	3.356180426	0.00805599	FBXL11	ENSG00000173120
11	66650787	66651019	66650913	8	8	1	4.315089119	0.0127267	FBXL11	ENSG00000173120
11	66763991	66764236	66764158	13	15	6	2.191791298	0.0328001	ADRBK1	ENSG00000173020
11	66765169	66765464	66765307	11	14	0	14.3836304	4.17E-05	ADRBK1	ENSG00000173020
11	66772786	66773146	66772865	9	15	11	1.278544924	0.254978	ADRBK1	ENSG00000173020
11	66786795	66787162	66786989	9	14	3	3.595907599	0.00486913	ADRBK1	ENSG00000173020
11	66836737	66836997	66836854	12	15	9	1.534253909	0.136498	SSH3	ENSG00000172830
11	66870058	66870345	66870167	11	14	3	3.595907599	0.00486913	POLD4	ENSG00000175482
11	66952387	66952614	66952500	8	10	6	1.506856518	0.188853	RPS6KB2	ENSG00000175634
11	66987956	66988443	66988269	28	41	9	4.027416511	3.38E-06	TMEM134	ENSG00000172663
11	66988551	66988743	66988670	8	8	1	4.315089119	0.0127267	TMEM134	ENSG00000172663
11	66988817	66989097	66988975	10	13	2	4.474907234	0.00269459	TMEM134	ENSG00000172663
11	67029914	67030367	67030208	13	20	7	2.517135319	0.00849957	PITPNM1	ENSG00000110697
11	67106486	67106837	67106661	8	13	5	2.237453617	0.038866	GSTP1	ENSG00000084207
11	67180381	67180702	67180555	15	19	2	6.39272462	8.83E-05	ACY3	ENSG00000132744
11	67198680	67198973	67198812	17	21	9	2.109599125	0.0196396	ALDH3B2	ENSG00000132746
11	67219902	67220144	67219999	9	9	2	3.19636231	0.0229249	ALDH3B2	ENSG00000132746
11	67722399	67722755	67722577	39	45	0	44.10979988	3.69E-14	SUV420H1	ENSG00000110066
11	67806215	67806505	67806393	10	14	5	2.397271733	0.0258078	C11orf24	ENSG00000171067
11	67861381	67861692	67861536	27	30	4	5.945233897	3.05E-06	LRP5	ENSG00000162337
11	67868107	67868348	67868203	9	9	6	1.369869562	0.253675	LRP5	ENSG00000162337

11	68062122	68062301	68062145	8	8	2	2.876726079	0.0381137		ENSG00000212093
11	68287247	68287528	68287401	11	13	6	1.917817386	0.0693353	MTL5	ENSG00000132749
11	68414336	68414562	68414496	11	11	3	2.876726079	0.0213797	MRPL21	ENSG00000197345
11	68568249	68568488	68568367	9	10	3	2.636998906	0.034203	TPCN2	ENSG00000162341
11	68625420	68625791	68625628	10	15	6	2.191791298	0.0328001	TPCN2	ENSG00000162341
11	68645063	68645338	68645223	15	15	1	7.671269544	0.000187863	TPCN2	ENSG00000162341
11	68646735	68647214	68647003	12	22	9	2.205489994	0.0136443	TPCN2	ENSG00000162341
11	68673767	68674036	68673886	14	15	0	15.34253909	2.13E-05	TPCN2	ENSG00000162341
11	69025538	69025906	69025721	17	25	0	24.93162602	2.56E-08	CCND1	ENSG00000110092
11	69034338	69034872	69034642	16	26	2	8.630178238	1.37E-06	CCND1	ENSG00000110092
11	69178306	69178491	69178333	8	8	2	2.876726079	0.0381137		ENSG00000204579
11	69178737	69179223	69178974	14	23	8	2.557089848	0.00494559		ENSG00000204579
11	69333411	69333879	69333700	18	29	1	14.3836304	2.72E-08	FGF3	ENSG00000186895
11	69469413	69469780	69469553	9	13	2	4.474907234	0.00269459	FGF3	ENSG00000186895
11	69572549	69572840	69572672	10	14	4	2.876726079	0.01219		ENSG00000202070
11	69587365	69587702	69587530	28	33	2	10.86763185	1.89E-08		ENSG00000202070
11	69591785	69592120	69591955	10	15	4	3.068507818	0.0076507		ENSG00000202070
11	69757200	69757480	69757340	11	15	4	3.068507818	0.0076507	FADD	ENSG00000168040
11	69797787	69798021	69797912	8	9	2	3.19636231	0.0229249	PPFIA1	ENSG00000131626
11	69972927	69973108	69972996	8	8	5	1.43836304	0.235762	CTTN	ENSG00000085733
11	70048879	70049258	70049021	17	23	1	11.50690432	1.25E-06	CTTN	ENSG00000085733
11	70092077	70092256	70092146	8	8	2	2.876726079	0.0381137	SHANK2	ENSG00000162105
11	70167463	70168036	70167791	28	45	4	8.821959976	5.35E-10	SHANK2	ENSG00000162105
11	70293349	70293766	70293528	8	15	1	7.671269544	0.000187863		ENSG00000207196
11	70329654	70329870	70329726	11	11	5	1.917817386	0.0843804	C11orf76	ENSG00000171671
11	70466473	70466669	70466565	8	8	2	2.876726079	0.0381137	SHANK2	ENSG00000162105
11	70672667	70672905	70672798	11	12	6	1.78083043	0.0985525	SHANK2	ENSG00000162105
11	70688128	70688359	70688243	9	10	2	3.515998541	0.0136204		ENSG00000172900
11	70732238	70732543	70732385	9	10	4	2.109599125	0.0694668		ENSG00000172900
11	70761901	70762117	70762009	8	9	2	3.19636231	0.0229249		ENSG00000172900
11	70814519	70814809	70814668	8	12	2	4.155271003	0.0046638		ENSG00000172900
11	70841859	70842319	70842148	11	20	7	2.517135319	0.00849957	NADSYN1	ENSG00000172890
11	70843446	70843665	70843564	9	10	1	5.273997812	0.00391723	NADSYN1	ENSG00000172890
11	70849838	70850017	70850005	8	8	0	8.630178238	0.00235436	NADSYN1	ENSG00000172890

11	70869987	70870281	70870127	12	16	5	2.716907964	0.0109645	NADSYN1	ENSG00000172890
11	70876695	70877069	70876912	9	15	3	3.835634772	0.00291691	NADSYN1	ENSG00000172890
11	71333837	71334197	71334005	10	16	1	8.150723891	0.000101217	RNF121	ENSG00000137522
11	71413753	71414126	71413909	15	20	1	10.06854128	8.32E-06		ENSG00000206783
11	71469350	71469786	71469609	9	17	6	2.465765211	0.014729	LRRC51	ENSG00000184154
11	71470644	71470897	71470770	14	17	8	1.917817386	0.0474153	LRRC51	ENSG00000184154
11	71472784	71473054	71472919	9	12	0	12.46581301	0.000159888	LRRC51	ENSG00000184154
11	71572196	71572400	71572284	9	11	5	1.917817386	0.0843804	FOLR1	ENSG00000110195
11	71860042	71860315	71860178	8	13	4	2.684944341	0.01921	CLPB	ENSG00000162129
11	71870996	71871191	71871095	9	10	3	2.636998906	0.034203	CLPB	ENSG00000162129
11	71974401	71974636	71974491	9	11	5	1.917817386	0.0843804		ENSG00000207809
11	71997677	71997978	71997827	11	13	4	2.684944341	0.01921		ENSG00000207809
11	72032146	72032866	72032520	16	35	3	8.630178238	3.59E-08	PDE2A	ENSG00000186642
11	72112740	72113042	72112891	12	15	1	7.671269544	0.000187863	ARAP1	ENSG00000186635
11	72169223	72169662	72169402	14	25	11	2.077635502	0.0139694	STARD10	ENSG00000214530
11	72182183	72182517	72182343	10	14	5	2.397271733	0.0258078	STARD10	ENSG00000214530
11	72220447	72220835	72220626	12	20	5	3.356180426	0.0017534	FCHSD2	ENSG00000137478
11	72529330	72529544	72529437	8	9	3	2.397271733	0.0539397	FCHSD2	ENSG00000137478
11	72531038	72531333	72531161	8	11	4	2.301380863	0.0459276	FCHSD2	ENSG00000137478
11	72574518	72575412	72575209	14	39	8	4.261816414	3.23E-06	P2RY2	ENSG00000175591
11	72576543	72576886	72576714	61	66	4	12.84937649	1.62E-15	P2RY2	ENSG00000175591
11	72581082	72581293	72581171	10	11	10	1.046082211	0.455063	P2RY2	ENSG00000175591
11	72582627	72583136	72582850	11	24	15	1.498294833	0.0979832	P2RY2	ENSG00000175591
11	72583237	72583575	72583406	17	22	3	5.513724985	6.69E-05	P2RY2	ENSG00000175591
11	72583989	72584383	72584168	13	20	7	2.517135319	0.00849957	P2RY2	ENSG00000175591
11	72616597	72616883	72616723	10	13	4	2.684944341	0.01921	P2RY2	ENSG00000175591
11	72660659	72661024	72660821	18	24	6	3.424673904	0.000656885	P2RY6	ENSG00000171631
11	72664054	72664319	72664185	8	11	7	1.43836304	0.204844	P2RY6	ENSG00000171631
11	72678162	72678553	72678297	8	14	4	2.876726079	0.01219	P2RY6	ENSG00000171631
11	72681078	72681311	72681183	9	9	1	4.794543465	0.00708517	ARHGEF17	ENSG00000110237
11	72696034	72696239	72696136	10	11	4	2.301380863	0.0459276	ARHGEF17	ENSG00000110237
11	72739905	72740277	72740129	8	13	6	1.917817386	0.0693353	RELT	ENSG00000054967
11	72792889	72793112	72792995	11	12	3	3.116453252	0.0131971	RELT	ENSG00000054967
11	72858876	72859156	72859016	8	10	0	10.54799562	0.000613541	RELT	ENSG00000054967

11	72867515	72867762	72867635	10	11	0	11.50690432	0.000313206	RELT	ENSG00000054967
11	72987198	72987494	72987376	11	14	2	4.794543465	0.00154571	FAM168A	ENSG00000054965
11	73036534	73036875	73036707	11	16	3	4.075361945	0.00173346	PLEKHB1	ENSG00000021300
11	73049668	73049907	73049787	10	12	3	3.116453252	0.0131971	PLEKHB1	ENSG00000021300
11	73176407	73176793	73176600	14	22	8	2.450544438	0.0073921	MRPL48	ENSG00000175581
11	73265416	73265862	73265715	11	18	8	2.024362796	0.0334397	PAAF1	ENSG00000175575
11	73335846	73336065	73335976	8	9	2	3.19636231	0.0229249	DNAJB13	ENSG00000187726
11	73457794	73458173	73457969	15	23	4	4.602761727	0.000137072		ENSG00000204552
11	73523896	73524323	73524109	39	50	5	8.150723891	1.52E-10	C2CD3	ENSG00000168014
11	73527273	73527581	73527427	10	15	3	3.835634772	0.00291691	C2CD3	ENSG00000168014
11	73559878	73560181	73560048	8	11	3	2.876726079	0.0213797		ENSG00000214517
11	73760387	73760650	73760506	9	9	4	1.917817386	0.103282	PGM2L1	ENSG00000165434
11	73807217	73807427	73807322	8	9	0	9.589086931	0.00120187	PGM2L1	ENSG00000165434
11	73921222	73921499	73921325	11	13	4	2.684944341	0.01921		ENSG00000210380
11	74023303	74023636	74023469	11	16	8	1.811271976	0.0663685		ENSG00000221193
11	74138128	74138412	74138261	9	13	2	4.474907234	0.00269459	RNF169	ENSG00000166439
11	74337468	74337776	74337622	9	13	6	1.917817386	0.0693353	XRRA1	ENSG00000166435
11	74411624	74411957	74411791	14	17	4	3.452071295	0.00292757	NEU3	ENSG00000162139
11	74587214	74587596	74587405	30	38	2	12.46581301	8.46E-10	SLCO2B1	ENSG00000137491
11	74637297	74637660	74637516	11	15	5	2.557089848	0.0169197		ENSG00000199090
11	74717451	74717717	74717584	11	13	1	6.712360851	0.000640982		ENSG00000199090
11	74745210	74745516	74745363	11	15	2	5.114179696	0.00088103	ARRB1	ENSG00000137486
11	74760319	74760515	74760344	8	9	3	2.397271733	0.0539397	ARRB1	ENSG00000137486
11	74760886	74761385	74761135	13	26	16	1.52297263	0.0820811	ARRB1	ENSG00000137486
11	74773261	74773549	74773389	8	12	8	1.385090334	0.219216	RPS3	ENSG00000149273
11	74788120	74788573	74788394	10	19	8	2.130908207	0.0233014	RPS3	ENSG00000149273
11	74889443	74889826	74889647	25	34	3	8.390451064	6.50E-08	GDPD5	ENSG00000158555
11	75485311	75485765	75485480	15	27	8	2.98327149	0.000913494	WNT11	ENSG00000085741
11	75540702	75541149	75540970	10	18	4	3.643853034	0.00178791	WNT11	ENSG00000085741
11	75623978	75624697	75624308	12	29	20	1.369869562	0.130203	WNT11	ENSG00000085741
11	76173106	76173601	76173405	17	32	1	15.82199344	3.96E-09	TSKU	ENSG00000182704
11	76213704	76214005	76213861	12	13	0	13.4247217	8.16E-05	PHCA	ENSG00000078124
11	76250277	76250608	76250434	8	13	7	1.678090213	0.11195	PHCA	ENSG00000078124
11	76408960	76409251	76409087	9	12	2	4.155271003	0.0046638	B3GNT6	ENSG00000198488

11	76424285	76424556	76424420	8	9	11	0.799090578	0.702688	B3GNT6	ENSG00000198488
11	76740063	76740263	76740194	8	8	1	4.315089119	0.0127267	GDPD4	ENSG00000178795
11	76986990	76987238	76987110	8	10	5	1.757999271	0.121253	AQP11	ENSG00000178301
11	77209492	77209892	77209618	14	20	8	2.237453617	0.0160557	RSF1	ENSG00000048649
11	77383134	77383587	77383400	16	26	12	1.991579593	0.0165204	INTS4	ENSG00000149262
11	77383941	77384159	77384067	9	9	10	0.871735176	0.624623	INTS4	ENSG00000149262
11	77434828	77435016	77434964	8	10	5	1.757999271	0.121253	THRSP	ENSG00000151365
11	77446186	77446376	77446281	8	9	0	9.589086931	0.00120187	THRSP	ENSG00000151365
11	77468399	77468724	77468561	16	19	9	1.917817386	0.0394029	NDUFC2	ENSG00000151366
11	77863192	77863473	77863343	9	11	1	5.753452158	0.00215302	GAB2	ENSG00000033327
11	77864761	77865008	77864912	8	9	0	9.589086931	0.00120187	GAB2	ENSG00000033327
11	77953273	77953469	77953371	8	8	4	1.726035648	0.150596	NARS2	ENSG00000137513
11	78035355	78035588	78035446	9	11	6	1.643843474	0.137712		ENSG00000210533
11	78104469	78104696	78104570	8	10	7	1.318499453	0.269217		ENSG00000210533
11	78164673	78164852	78164703	8	8	4	1.726035648	0.150596		ENSG00000210533
11	78187413	78187648	78187523	9	11	3	2.876726079	0.0213797		ENSG00000210533
11	78307414	78307733	78307585	8	10	5	1.757999271	0.121253	ODZ4	ENSG00000149256
11	78448841	78449034	78448995	8	8	9	0.863017824	0.627343	ODZ4	ENSG00000149256
11	78505361	78505620	78505507	8	9	2	3.19636231	0.0229249		ENSG00000212701
11	78544755	78545066	78544888	12	17	3	4.315089119	0.00102271		ENSG00000212701
11	78557239	78557853	78557674	20	39	5	6.39272462	8.17E-08		ENSG00000212701
11	79328879	79329094	79328989	8	11	4	2.301380863	0.0459276		ENSG00000221551
11	79923352	79923630	79923488	8	8	2	2.876726079	0.0381137		ENSG00000200146
11	80304965	80305263	80305110	13	16	1	8.150723891	0.000101217		ENSG00000200146
11	81411604	81411983	81411804	16	22	1	11.02744997	2.36E-06		ENSG00000210568
11	81703898	81704103	81704043	11	11	3	2.876726079	0.0213797	FAM181B	ENSG00000182103
11	82084509	82084744	82084595	8	10	2	3.515998541	0.0136204	FAM181B	ENSG00000182103
11	82090649	82090876	82090762	9	10	2	3.515998541	0.0136204	FAM181B	ENSG00000182103
11	82107018	82107231	82107163	9	10	3	2.636998906	0.034203	FAM181B	ENSG00000182103
11	82156600	82156780	82156631	8	8	0	8.630178238	0.00235436	FAM181B	ENSG00000182103
11	82395657	82395856	82395748	8	9	4	1.917817386	0.103282		ENSG00000207221
11	82460424	82460950	82460603	10	22	2	7.351633313	1.51E-05	RAB30	ENSG00000137502
11	82481523	82481927	82481691	11	19	14	1.278544924	0.231514	RAB30	ENSG00000137502
11	82544760	82545027	82544883	9	12	7	1.558226626	0.152813	PCF11	ENSG00000165494

11	82546290	82546746	82546469	11	20	10	1.830643869	0.0454769	PCF11	ENSG00000165494
11	82549252	82549606	82549429	19	25	4	4.986325204	4.72E-05	PCF11	ENSG00000165494
11	82674184	82675038	82674359	25	51	10	4.533022913	6.87E-08	CCDC90B	ENSG00000137500
11	82675064	82675408	82675236	12	16	4	3.260289556	0.00475414	CCDC90B	ENSG00000137500
11	82868976	82869155	82869065	8	8	3	2.157544559	0.0836802		ENSG00000210588
11	83050246	83050910	83050592	76	109	1	52.73997812	4.15E-31	DLG2	ENSG00000150672
11	83119462	83119653	83119543	8	8	5	1.43836304	0.235762	DLG2	ENSG00000150672
11	83564726	83564985	83564855	32	32	0	31.64398687	2.31E-10	DLG2	ENSG00000150672
11	83900764	83901060	83900930	11	14	2	4.794543465	0.00154571	DLG2	ENSG00000150672
11	84024336	84024529	84024448	8	8	1	4.315089119	0.0127267	DLG2	ENSG00000150672
11	84076508	84076729	84076602	9	10	1	5.273997812	0.00391723	DLG2	ENSG00000150672
11	84189605	84189853	84189722	8	8	4	1.726035648	0.150596	DLG2	ENSG00000150672
11	84366075	84366264	84366169	9	9	0	9.589086931	0.00120187		ENSG00000213305
11	84672960	84673459	84673280	24	39	3	9.589086931	3.26E-09	DLG2	ENSG00000150672
11	84872513	84872982	84872748	167	209	203	0.98711189	0.552269		ENSG00000210598
11	85016798	85017069	85016920	10	11	13	0.821921737	0.693119	TMEM126B	ENSG00000171204
11	85017320	85017545	85017432	9	10	5	1.757999271	0.121253	TMEM126B	ENSG00000171204
11	85157417	85157713	85157565	8	11	3	2.876726079	0.0213797	SYTL2	ENSG00000137501
11	85167136	85167315	85167225	8	9	3	2.397271733	0.0539397	SYTL2	ENSG00000137501
11	85195464	85196006	85195787	41	57	6	7.945243457	1.33E-11	CCDC83	ENSG00000150676
11	85198463	85198726	85198594	8	11	5	1.917817386	0.0843804	CCDC83	ENSG00000150676
11	85198766	85198997	85198866	9	10	3	2.636998906	0.034203	CCDC83	ENSG00000150676
11	85216377	85216956	85216719	11	25	11	2.077635502	0.0139694	CCDC83	ENSG00000150676
11	85217030	85217397	85217146	10	15	13	1.095895649	0.398774	CCDC83	ENSG00000150676
11	85219015	85219256	85219108	9	10	5	1.757999271	0.121253	CCDC83	ENSG00000150676
11	85233178	85233493	85233324	10	15	7	1.917817386	0.0572317	CCDC83	ENSG00000150676
11	85233783	85234076	85233918	8	10	7	1.318499453	0.269217	CCDC83	ENSG00000150676
11	85430709	85430907	85430846	8	9	4	1.917817386	0.103282	PICALM	ENSG00000073921
11	85536592	85536806	85536699	8	10	0	10.54799562	0.000613541		ENSG00000200877
11	85549335	85549559	85549438	8	8	6	1.232882605	0.333038		ENSG00000200877
11	85561865	85562069	85561983	8	8	2	2.876726079	0.0381137		ENSG00000200877
11	85582309	85582503	85582419	9	10	3	2.636998906	0.034203		ENSG00000200877
11	85633844	85634304	85634022	18	30	5	4.954361581	1.11E-05	EED	ENSG00000074266
11	85690599	85690909	85690769	12	14	1	7.191815198	0.00034761	C11orf73	ENSG00000149196

11	85690920	85691121	85691013	9	10	5	1.757999271	0.121253	C11orf73	ENSG00000149196
11	85703377	85703679	85703503	8	12	2	4.155271003	0.0046638		ENSG00000210623
11	85723741	85724647	85724294	130	234	13	16.09596735	3.66E-52		ENSG00000222550
11	85844936	85845179	85845079	8	10	4	2.109599125	0.0694668	CCDC81	ENSG00000149201
11	85885957	85886302	85886129	9	14	2	4.794543465	0.00154571	CCDC81	ENSG00000149201
11	85888445	85888628	85888536	8	8	7	1.07877228	0.435076	CCDC81	ENSG00000149201
11	85912867	85913162	85913025	14	17	5	2.876726079	0.00703033	ME3	ENSG00000151376
11	85967880	85968147	85968023	9	12	0	12.46581301	0.000159888	ME3	ENSG00000151376
11	86054915	86055257	86055086	12	16	3	4.075361945	0.00173346	ME3	ENSG00000151376
11	86095055	86095424	86095263	23	29	7	3.595907599	0.000155266	ME3	ENSG00000151376
11	86129311	86129613	86129473	8	12	1	6.232906505	0.00117736	PRSS23	ENSG00000150687
11	86130576	86130888	86130732	8	11	3	2.876726079	0.0213797	PRSS23	ENSG00000150687
11	86852320	86852574	86852465	18	18	0	18.21926517	2.83E-06		ENSG00000223015
11	86992892	86993234	86993063	20	26	2	8.630178238	1.37E-06		ENSG00000223015
11	92943613	92943798	92943733	8	8	4	1.726035648	0.150596		ENSG00000210746
11	93268286	93268503	93268394	8	8	2	2.876726079	0.0381137	C11orf90	ENSG00000214376
11	93359657	93359877	93359810	8	10	3	2.636998906	0.034203	HEPHL1	ENSG00000181333
11	93477651	93477882	93477766	11	12	0	12.46581301	0.000159888	PANX1	ENSG00000110218
11	93678044	93678445	93678222	23	30	2	9.908723162	1.20E-07		ENSG00000183560
11	94218576	94218779	94218677	8	11	4	2.301380863	0.0459276	AMOTL1	ENSG00000166025
11	94408101	94408429	94408280	10	15	2	5.114179696	0.00088103		ENSG00000180771
11	94438180	94438520	94438356	31	36	0	35.47962164	1.57E-11		ENSG00000180771
11	97119422	97119685	97119555	17	18	0	18.21926517	2.83E-06		ENSG00000199315
11	97937228	97937557	97937400	18	21	0	21.09599125	3.76E-07		
11	99888530	99888860	99888693	8	12	0	12.46581301	0.000159888		ENSG00000210910
11	100065901	100066137	100066028	10	11	1	5.753452158	0.00215302		ENSG00000223242
11	100410057	100410365	100410208	18	21	7	2.636998906	0.00562102	TMEM133	ENSG00000170647
11	100854479	100854726	100854594	11	13	2	4.474907234	0.00269459	TRPC6	ENSG00000137672
11	101487862	101488227	101488048	8	15	4	3.068507818	0.0076507	YAP1	ENSG00000137693
11	101632189	101632663	101632397	80	107	0	103.5621389	2.90E-32		ENSG00000212466
11	101644443	101644682	101644562	9	12	1	6.232906505	0.00117736		ENSG00000212466
11	102317119	102317391	102317255	13	14	5	2.397271733	0.0258078	MMP13	ENSG00000137745
11	102897616	102897915	102897766	11	13	0	13.4247217	8.16E-05		ENSG00000211009
11	105359479	105359695	105359580	10	10	1	5.273997812	0.00391723	KIAA1826	ENSG00000170903

11	105606040	105606232	105606136	8	9	1	4.794543465	0.00708517	AASDHPPT	ENSG00000149313
11	106082483	106082694	106082586	8	8	0	8.630178238	0.00235436		ENSG00000222559
11	106165417	106165632	106165516	11	11	1	5.753452158	0.00215302		ENSG00000222559
11	106535033	106535553	106535260	47	59	6	8.219217369	4.19E-12	GUCY1A2	ENSG00000152402
11	107711197	107711495	107711331	10	12	0	12.46581301	0.000159888	ATM	ENSG00000149311
11	107717026	107717266	107717133	12	12	3	3.116453252	0.0131971	ATM	ENSG00000149311
11	108024302	108024679	108024500	12	19	3	4.794543465	0.000349205	DDX10	ENSG00000178105
11	108324224	108324567	108324395	25	29	0	28.76726079	1.74E-09		ENSG00000203334
11	108718244	108718478	108718329	11	12	0	12.46581301	0.000159888	C11orf87	ENSG00000185742
11	109398525	109398851	109398688	15	20	1	10.06854128	8.32E-06	ZC3H12C	ENSG00000149289
11	110603856	110604035	110603946	8	8	0	8.630178238	0.00235436	C11orf53	ENSG00000150750
11	110802559	110802916	110802753	22	27	0	26.84944341	6.66E-09	POU2AF1	ENSG00000110777
11	110886154	110886700	110886452	45	71	3	17.26035648	7.81E-18	BTG4	ENSG00000137707
11	110967138	110967364	110967271	8	9	0	9.589086931	0.00120187	SNF1LK2	ENSG00000170145
11	111449996	111450199	111450097	9	10	2	3.515998541	0.0136204	PIH1D2	ENSG00000150773
11	112001816	112002110	112001947	9	9	0	9.589086931	0.00120187		ENSG00000212397
11	112261733	112261980	112261856	10	12	4	2.493162602	0.0299057	NCAM1	ENSG00000149294
11	112720183	112720505	112720349	13	16	0	16.30144778	1.09E-05	TTC12	ENSG00000149292
11	112760526	112760925	112760705	26	35	2	11.50690432	5.48E-09	ANKK1	ENSG00000170209
11	112822800	112823276	112823038	43	58	3	14.14390322	2.76E-14	DRD2	ENSG00000149295
11	114963717	114963959	114963852	12	14	1	7.191815198	0.00034761		ENSG00000211200
11	116447311	116447491	116447380	8	8	5	1.43836304	0.235762		ENSG00000160584
11	116882247	116882608	116882400	16	21	1	10.54799562	4.43E-06	CEP164	ENSG00000110274
11	117305259	117305546	117305387	11	15	2	5.114179696	0.00088103	TMPRSS13	ENSG00000137747
11	117322848	117323082	117322996	8	11	2	3.835634772	0.00800699	TMPRSS13	ENSG00000137747
11	117450783	117451036	117450880	10	11	0	11.50690432	0.000313206	TMPRSS4	ENSG00000137648
11	117468903	117469392	117469082	12	23	4	4.602761727	0.000137072	TMPRSS4	ENSG00000137648
11	117574310	117574535	117574422	11	14	2	4.794543465	0.00154571	AMICA1	ENSG00000160593
11	117617533	117617799	117617667	11	14	7	1.797953799	0.0806593	MPZL3	ENSG00000160588
11	117639642	117639854	117639739	8	8	2	2.876726079	0.0381137	MPZL2	ENSG00000149573
11	117666931	117667219	117667081	13	15	1	7.671269544	0.000187863	CD3E	ENSG00000198851
11	117671822	117672001	117671951	8	8	3	2.157544559	0.0836802	CD3E	ENSG00000198851
11	117921541	117921769	117921665	9	12	8	1.385090334	0.219216	TMEM25	ENSG00000149582
11	117941916	117942107	117942026	9	9	5	1.598181155	0.170911	C11orf60	ENSG00000118096

11	117987823	117988032	117987978	8	8	1	4.315089119	0.0127267	PHLDB1	ENSG00000019144
11	117999286	117999678	117999453	10	17	3	4.315089119	0.00102271	PHLDB1	ENSG00000019144
11	118166696	118166889	118166792	8	9	1	4.794543465	0.00708517	DDX6	ENSG00000110367
11	118167161	118167348	118167199	8	9	6	1.369869562	0.253675	DDX6	ENSG00000110367
11	118229617	118229923	118229772	8	9	2	3.19636231	0.0229249		ENSG00000201535
11	118246498	118246726	118246612	8	8	5	1.43836304	0.235762	CXCR5	ENSG00000160683
11	118282920	118283200	118283060	9	10	4	2.109599125	0.0694668	BCL9L	ENSG00000186174
11	118287847	118288171	118288009	11	17	3	4.315089119	0.00102271	BCL9L	ENSG00000186174
11	118288249	118288629	118288417	9	15	16	0.902502299	0.616352	BCL9L	ENSG00000186174
11	118292858	118293186	118293013	13	17	4	3.452071295	0.00292757	BCL9L	ENSG00000186174
11	118294075	118294364	118294232	9	12	6	1.78083043	0.0985525	BCL9L	ENSG00000186174
11	118300451	118300649	118300582	8	8	1	4.315089119	0.0127267		ENSG00000223272
11	118304606	118304906	118304774	9	12	3	3.116453252	0.0131971		ENSG00000223272
11	118332575	118332782	118332680	9	9	5	1.598181155	0.170911	UPK2	ENSG00000110375
11	118364144	118364453	118364298	16	20	1	10.06854128	8.32E-06		ENSG00000200242
11	118373666	118373883	118373743	9	10	7	1.318499453	0.269217	CCDC84	ENSG00000186166
11	118394104	118394407	118394255	9	13	5	2.237453617	0.038866	RPS25	ENSG00000118181
11	118394567	118394749	118394655	8	8	10	0.784561658	0.708731	TRAPPC4	ENSG00000196655
11	118460885	118461130	118461007	9	12	5	2.077635502	0.0577144	HMBS	ENSG00000149397
11	118461431	118461711	118461571	8	9	4	1.917817386	0.103282	HMBS	ENSG00000149397
11	118542263	118542648	118542418	15	22	2	7.351633313	1.51E-05	NLRX1	ENSG00000160703
11	118752248	118752596	118752426	8	12	3	3.116453252	0.0131971	USP2	ENSG00000036672
11	118988810	118989072	118988941	8	11	1	5.753452158	0.00215302		ENSG00000199217
11	119072221	119072794	119072508	94	129	1	62.32906505	7.06E-37	PVRL1	ENSG00000110400
11	119221714	119222012	119221868	40	42	2	13.74435793	6.90E-11	PVRL1	ENSG00000110400
11	119400589	119400770	119400679	8	8	6	1.232882605	0.333038	TRIM29	ENSG00000137699
11	119400817	119401321	119401042	43	62	6	8.630178238	7.32E-13	TRIM29	ENSG00000137699
11	119675830	119676136	119675983	8	12	4	2.493162602	0.0299057	TMEM136	ENSG00000181264
11	119677845	119678047	119677983	9	10	2	3.515998541	0.0136204	TMEM136	ENSG00000181264
11	119692819	119693084	119692912	11	13	3	3.356180426	0.00805599	TMEM136	ENSG00000181264
11	120633909	120634248	120634078	19	22	3	5.513724985	6.69E-05	SC5DL	ENSG00000109929
11	120858495	120858815	120858666	11	15	0	15.34253909	2.13E-05	SORL1	ENSG00000137642
11	122637491	122637706	122637627	8	10	2	3.515998541	0.0136204		ENSG00000200496
11	123054201	123054486	123054363	12	13	0	13.4247217	8.16E-05	SCN3B	ENSG00000166257

11	123598333	123598662	123598497	22	26	0	25.89053471	1.31E-08		ENSG00000203322
11	124015882	124016074	124015979	9	9	2	3.19636231	0.0229249		ENSG00000200278
11	124946118	124946297	124946207	11	11	2	3.835634772	0.00800699	EI24	ENSG00000149547
11	125000962	125001153	125001057	8	8	2	2.876726079	0.0381137	CHEK1	ENSG00000149554
11	125651987	125652282	125652144	14	16	1	8.150723891	0.000101217		ENSG00000209258
11	128699758	128699988	128699873	9	10	5	1.757999271	0.121253		ENSG00000166080
11	129001046	129001436	129001232	31	40	1	19.65762821	2.24E-11	TMEM45B	ENSG00000151715
11	129017123	129017364	129017243	9	10	0	10.54799562	0.000613541	TMEM45B	ENSG00000151715
11	129203589	129203802	129203695	8	10	3	2.636998906	0.034203	TMEM45B	ENSG00000151715
11	129464350	129464553	129464451	8	10	3	2.636998906	0.034203		ENSG00000215565
11	132444704	132445000	132444876	9	12	1	6.232906505	0.00117736	OPCML	ENSG00000183715
11	133204534	133204860	133204755	11	15	4	3.068507818	0.0076507	SPATA19	ENSG00000166118
12	380898	381088	380970	9	9	5	1.598181155	0.170911	CCDC77	ENSG00000120647
12	503641	504296	504028	66	106	10	9.327566378	4.43E-21	B4GALNT3	ENSG00000139044
12	577788	577994	577875	10	10	0	10.54799562	0.000613541	NINJ2	ENSG00000171840
12	611627	611886	611756	11	13	3	3.356180426	0.00805599		ENSG00000177406
12	730697	730898	730797	9	10	6	1.506856518	0.188853	WNK1	ENSG00000060237
12	734474	734700	734603	9	9	0	9.589086931	0.00120187	WNK1	ENSG00000060237
12	827205	827613	827380	16	23	1	11.50690432	1.25E-06	WNK1	ENSG00000060237
12	1784059	1784367	1784224	9	12	4	2.493162602	0.0299057	LRTM2	ENSG00000166159
12	1983741	1984636	1984104	156	221	2	70.95924329	8.99E-62	DCP1B	ENSG00000151065
12	2603990	2604357	2604169	9	15	3	3.835634772	0.00291691		ENSG00000216217
12	2676527	2677011	2676706	17	31	1	15.34253909	7.54E-09		ENSG00000216217
12	3044776	3045018	3044897	8	8	0	8.630178238	0.00235436		ENSG00000184127
12	3110602	3110789	3110719	8	8	0	8.630178238	0.00235436	TSPAN9	ENSG00000011105
12	3279357	3279716	3279536	19	26	1	12.94526736	1.86E-07	TSPAN9	ENSG00000011105
12	3294649	3294989	3294810	11	16	3	4.075361945	0.00173346	TSPAN9	ENSG00000011105
12	3358115	3358561	3358388	11	20	0	20.13708255	7.37E-07		ENSG00000212730
12	3436179	3436358	3436283	8	8	5	1.43836304	0.235762		ENSG00000212730
12	4012780	4012984	4012882	9	9	0	9.589086931	0.00120187	PARP11	ENSG00000111224
12	4092234	4092817	4092525	12	25	2	8.310542006	2.50E-06	CCND2	ENSG00000118971
12	4300562	4301411	4301061	30	70	2	22.6941724	1.20E-18	C12orf5	ENSG00000078237
12	4362741	4362994	4362837	12	14	0	14.3836304	4.17E-05	FGF23	ENSG00000118972
12	4462340	4462760	4462581	14	24	1	11.98635866	6.63E-07	FGF6	ENSG00000111241

12	5119517	5119830	5119659	9	13	0	13.4247217	8.16E-05	KCNA5	ENSG00000130037
12	5968082	5968279	5968243	8	10	5	1.757999271	0.121253	ANO2	ENSG00000047617
12	6023504	6023820	6023662	9	12	1	6.232906505	0.00117736		ENSG00000209366
12	6214876	6215272	6215053	11	18	4	3.643853034	0.00178791		ENSG00000202318
12	6251827	6252122	6251974	15	16	3	4.075361945	0.00173346	PLEKHG6	ENSG00000008323
12	6301412	6301938	6301533	10	19	6	2.739739123	0.00632909	PLEKHG6	ENSG00000008323
12	6486953	6487377	6487165	16	26	0	25.89053471	1.31E-08	NCAPD2	ENSG00000010292
12	6513612	6513895	6513753	12	16	2	5.433815927	0.000499302	GAPDH	ENSG00000111640
12	6615477	6615656	6615551	8	8	0	8.630178238	0.00235436	LPAR5	ENSG00000184574
12	6668942	6669187	6669063	9	12	8	1.385090334	0.219216	ZNF384	ENSG00000126746
12	6703144	6703374	6703254	8	10	6	1.506856518	0.188853	COPS7A	ENSG00000111652
12	6703392	6703620	6703479	8	12	4	2.493162602	0.0299057	COPS7A	ENSG00000111652
12	6715243	6715609	6715430	10	17	4	3.452071295	0.00292757	COPS7A	ENSG00000111652
12	6730000	6730261	6730127	8	10	0	10.54799562	0.000613541	MLF2	ENSG00000089693
12	6732963	6733288	6733125	11	15	4	3.068507818	0.0076507	MLF2	ENSG00000089693
12	6899066	6899339	6899182	9	11	1	5.753452158	0.00215302	ATN1	ENSG00000111676
12	6917470	6917719	6917574	10	11	2	3.835634772	0.00800699	ATN1	ENSG00000111676
12	6937658	6937869	6937763	9	9	1	4.794543465	0.00708517		ENSG00000207713
12	6940982	6941170	6941076	8	8	2	2.876726079	0.0381137		ENSG00000207713
12	6941429	6941731	6941593	9	11	3	2.876726079	0.0213797		ENSG00000207713
12	7017017	7017313	7017139	21	26	1	12.94526736	1.86E-07	LPCAT3	ENSG00000111684
12	7153075	7153256	7153165	8	8	4	1.726035648	0.150596	C1RL	ENSG00000139178
12	7232498	7232682	7232590	8	8	2	2.876726079	0.0381137	PEX5	ENSG00000139197
12	8125770	8126036	8125903	8	10	1	5.273997812	0.00391723		ENSG00000089818
12	8999935	9000189	9000070	10	12	1	6.232906505	0.00117736	M6PR	ENSG00000003056
12	9765436	9765770	9765521	8	13	1	6.712360851	0.000640982	CLECL1	ENSG00000184293
12	9769374	9769698	9769536	14	20	0	20.13708255	7.37E-07	CLECL1	ENSG00000184293
12	9786981	9787212	9787104	8	9	1	4.794543465	0.00708517	CLECL1	ENSG00000184293
12	9954932	9955340	9955136	30	40	2	13.10508547	2.42E-10	CLEC2A	ENSG00000188393
12	10439640	10439916	10439794	14	15	0	15.34253909	2.13E-05	KLRK1	ENSG00000213809
12	10760590	10760895	10760742	18	22	0	22.05489994	1.92E-07	CSDA	ENSG00000060138
12	10761314	10761691	10761490	14	19	1	9.589086931	1.56E-05	CSDA	ENSG00000060138
12	10962778	10963056	10962936	16	18	0	18.21926517	2.83E-06	TAS2R13	ENSG00000212128
12	11679650	11679878	11679779	13	14	0	14.3836304	4.17E-05	ETV6	ENSG00000139083

12	11929138	11929317	11929188	8	8	0	8.630178238	0.00235436	ETV6	ENSG00000139083
12	12091276	12091713	12091493	28	38	0	37.39743903	4.09E-12	BCL2L14	ENSG00000121380
12	12490130	12490510	12490331	9	16	1	8.150723891	0.000101217	LOH12CR1	ENSG00000165714
12	12513636	12514252	12513791	24	39	0	38.35634772	2.09E-12	DUSP16	ENSG00000111266
12	12605121	12605334	12605257	8	8	3	2.157544559	0.0836802	DUSP16	ENSG00000111266
12	12857371	12857587	12857495	8	10	2	3.515998541	0.0136204	DDX47	ENSG00000213782
12	12927624	12927928	12927788	15	18	4	3.643853034	0.00178791	GPRC5A	ENSG00000013588
12	13383792	13384123	13383921	12	16	1	8.150723891	0.000101217	C12orf36	ENSG00000180861
12	13406511	13406765	13406638	10	10	4	2.109599125	0.0694668	C12orf36	ENSG00000180861
12	13917810	13918084	13917930	8	11	1	5.753452158	0.00215302	GRIN2B	ENSG00000150086
12	14304644	14304833	14304738	8	9	0	9.589086931	0.00120187		ENSG00000209525
12	14361520	14361908	14361757	9	15	0	15.34253909	2.13E-05	ATF7IP	ENSG00000171681
12	14428622	14428801	14428714	8	8	1	4.315089119	0.0127267	ATF7IP	ENSG00000171681
12	14429095	14429298	14429190	8	8	0	8.630178238	0.00235436	ATF7IP	ENSG00000171681
12	14438651	14438854	14438752	8	9	0	9.589086931	0.00120187	ATF7IP	ENSG00000171681
12	14543825	14544029	14543873	9	9	0	9.589086931	0.00120187		ENSG00000200830
12	15579441	15579905	15579709	28	40	1	19.65762821	2.24E-11		ENSG00000200105
12	15980765	15981339	15981112	174	218	4	42.00020076	6.57E-58	DERA	ENSG00000023697
12	16840531	16840848	16840685	9	12	3	3.116453252	0.0131971	LMO3	ENSG00000048540
12	18294545	18294805	18294676	8	8	0	8.630178238	0.00235436	PIK3C2G	ENSG00000139144
12	18394016	18394223	18394119	10	11	0	11.50690432	0.000313206		ENSG00000209542
12	19475943	19476611	19476225	93	128	0	123.6992214	2.14E-38	AEBP2	ENSG00000139154
12	20595490	20595900	20595685	102	133	128	0.996075697	0.512391		ENSG00000209580
12	21862948	21863332	21863127	19	26	0	25.89053471	1.31E-08	KCNJ8	ENSG00000121361
12	22454720	22454983	22454849	8	10	1	5.273997812	0.00391723	ST8SIA1	ENSG00000111728
12	22588678	22588927	22588771	15	16	2	5.433815927	0.000499302	KIAA0528	ENSG00000111731
12	22875179	22875644	22875399	78	94	2	30.36544195	2.07E-25	ETNK1	ENSG00000139163
12	23128860	23129091	23128961	9	11	0	11.50690432	0.000313206	ETNK1	ENSG00000139163
12	25098357	25098652	25098504	18	21	1	10.54799562	4.43E-06		ENSG00000212652
12	25179698	25180272	25180083	25	46	5	7.511451429	1.54E-09	CASC1	ENSG00000118307
12	25301047	25301517	25301384	13	20	4	4.027416511	0.000652226	KRAS	ENSG00000133703
12	25502254	25502535	25502394	11	14	4	2.876726079	0.01219		ENSG00000209619
12	25755362	25755846	25755640	29	43	1	21.09599125	3.19E-12		ENSG00000222950
12	26158148	26158351	26158286	9	9	2	3.19636231	0.0229249	BHLHB3	ENSG00000123095

12	26664210	26664389	26664299	8	8	1	4.315089119	0.0127267		ENSG00000209639
12	27057084	27057510	27057297	28	40	1	19.65762821	2.24E-11	TM7SF3	ENSG00000064115
12	27567987	27568318	27568145	8	12	0	12.46581301	0.000159888	PPFIBP1	ENSG00000110841
12	27985075	27985281	27985161	9	9	1	4.794543465	0.00708517	PTHLH	ENSG00000087494
12	28011136	28011315	28011225	8	8	1	4.315089119	0.0127267	PTHLH	ENSG00000087494
12	29194345	29194524	29194434	8	8	1	4.315089119	0.0127267		ENSG00000222481
12	30961972	30962160	30962123	8	9	2	3.19636231	0.0229249	TSPAN11	ENSG00000110900
12	31290536	31290819	31290687	15	17	3	4.315089119	0.00102271		ENSG00000213703
12	31703347	31703742	31703522	8	14	1	7.191815198	0.00034761	C12orf72	ENSG00000139160
12	31777127	31777424	31777275	31	33	2	10.86763185	1.89E-08	AMN1	ENSG00000151743
12	31793501	31793829	31793665	16	22	3	5.513724985	6.69E-05	AMN1	ENSG00000151743
12	32292955	32293445	32293266	13	26	2	8.630178238	1.37E-06	BICD1	ENSG00000151746
12	32937251	32937444	32937396	11	12	4	2.493162602	0.0299057	PKP2	ENSG00000057294
12	32941385	32941635	32941507	12	13	1	6.712360851	0.000640982	PKP2	ENSG00000057294
12	32945687	32945910	32945855	8	10	2	3.515998541	0.0136204	PKP2	ENSG00000057294
12	32963437	32963659	32963505	8	8	2	2.876726079	0.0381137	PKP2	ENSG00000057294
12	34263749	34264078	34263913	24	24	47	0.499431611	0.998184		ENSG00000209793
12	34273549	34273816	34273687	15	17	1	8.630178238	5.44E-05		ENSG00000209793
12	34678355	34678534	34678394	8	8	1	4.315089119	0.0127267		ENSG00000209793
12	34724574	34724906	34724740	17	17	16	1.015315087	0.480915		ENSG00000209793
12	34740671	34740851	34740702	9	9	7	1.198635866	0.346278		ENSG00000209793
12	34742039	34742369	34742204	10	11	5	1.917817386	0.0843804		ENSG00000209793
12	36302526	36302709	36302690	8	8	6	1.232882605	0.333038		
12	36304344	36304611	36304495	14	14	12	1.106433107	0.392094		
12	36337994	36338174	36338146	9	9	6	1.369869562	0.253675		ENSG00000209796
12	36411022	36411353	36411187	16	16	19	0.815072389	0.734271		ENSG00000209796
12	36623205	36623385	36623234	8	8	11	0.71918152	0.777546		ENSG00000209796
12	36730916	36731097	36731069	9	9	5	1.598181155	0.170911		ENSG00000209796
12	36736269	36736452	36736301	11	12	7	1.558226626	0.152813		ENSG00000209796
12	36830061	36830250	36830090	23	23	13	1.643843474	0.0639146		ENSG00000199843
12	36996714	36996960	36996837	11	12	5	2.077635502	0.0577144	ALG10B	ENSG00000175548
12	37586799	37586995	37586897	8	8	1	4.315089119	0.0127267	CPNE8	ENSG00000139117
12	38708396	38708701	38708537	16	19	2	6.39272462	8.83E-05		ENSG00000219786
12	39089283	39089862	39089606	23	35	0	34.52071295	3.07E-11		ENSG00000214639

12	39154669	39155198	39154919	46	76	7	9.229496171	1.10E-15		ENSG00000214639
12	39618880	39619186	39619033	13	18	0	18.21926517	2.83E-06	CNTN1	ENSG00000018236
12	39915620	39915803	39915679	8	10	1	5.273997812	0.00391723	PDZRN4	ENSG00000165966
12	41005704	41005915	41005809	8	8	2	2.876726079	0.0381137	ZCRB1	ENSG00000139168
12	42266688	42267111	42266898	55	71	1	34.52071295	3.42E-20		ENSG00000214615
12	42680502	42680699	42680612	8	9	6	1.369869562	0.253675	TMEM117	ENSG00000139173
12	42709276	42709636	42709459	13	19	1	9.589086931	1.56E-05	TMEM117	ENSG00000139173
12	42998440	42998757	42998598	10	15	3	3.835634772	0.00291691	TMEM117	ENSG00000139173
12	43052431	43052683	43052557	8	9	1	4.794543465	0.00708517		
12	43562876	43563236	43563043	13	17	1	8.630178238	5.44E-05		ENSG00000201788
12	43628831	43629052	43628923	8	8	11	0.71918152	0.777546		ENSG00000201788
12	43850639	43850870	43850754	8	9	6	1.369869562	0.253675	PLEKHA9	ENSG00000134297
12	43913062	43913279	43913170	8	9	5	1.598181155	0.170911	ANO6	ENSG00000177119
12	43940238	43940450	43940333	8	9	1	4.794543465	0.00708517	ANO6	ENSG00000177119
12	43949240	43949425	43949361	9	11	1	5.753452158	0.00215302	ANO6	ENSG00000177119
12	43979214	43979410	43979295	8	9	0	9.589086931	0.00120187	ANO6	ENSG00000177119
12	44325126	44325327	44325248	9	9	1	4.794543465	0.00708517	ARID2	ENSG00000189079
12	44408677	44409122	44408980	8	15	2	5.114179696	0.00088103	ARID2	ENSG00000189079
12	44558732	44558922	44558839	8	10	3	2.636998906	0.034203		ENSG00000209242
12	44670680	44670905	44670792	8	10	6	1.506856518	0.188853	SFRS2IP	ENSG00000139218
12	44751362	44751782	44751588	44	56	5	9.109632584	4.52E-12	SFRS2IP	ENSG00000139218
12	44752268	44752479	44752373	10	10	12	0.811384279	0.697544	SFRS2IP	ENSG00000139218
12	44787628	44788106	44787857	77	97	2	31.32435064	2.92E-26	SFRS2IP	ENSG00000139218
12	44844292	44844615	44844459	17	21	4	4.219198249	0.000390041	SLC38A1	ENSG00000111371
12	44917402	44917594	44917498	8	9	1	4.794543465	0.00708517	SLC38A1	ENSG00000111371
12	44939191	44939386	44939313	8	8	5	1.43836304	0.235762	SLC38A1	ENSG00000111371
12	44947919	44948219	44948069	8	10	2	3.515998541	0.0136204	SLC38A1	ENSG00000111371
12	44948941	44949177	44949059	8	9	7	1.198635866	0.346278	SLC38A1	ENSG00000111371
12	44983048	44983503	44983300	8	16	3	4.075361945	0.00173346	SLC38A1	ENSG00000111371
12	45022471	45022852	45022650	8	17	6	2.465765211	0.014729	SLC38A2	ENSG00000134294
12	45062766	45063132	45062987	8	14	2	4.794543465	0.00154571	SLC38A2	ENSG00000134294
12	45063862	45064277	45064122	9	14	9	1.43836304	0.179537	SLC38A2	ENSG00000134294
12	45135845	45136240	45136073	11	20	8	2.237453617	0.0160557	SLC38A2	ENSG00000134294
12	45142322	45142629	45142487	8	10	10	0.958908693	0.538751	SLC38A2	ENSG00000134294

12	45143311	45143588	45143466	9	12	1	6.232906505	0.00117736	SLC38A2	ENSG00000134294
12	45153774	45154011	45153892	10	14	9	1.43836304	0.179537	SLC38A2	ENSG00000134294
12	45172601	45172974	45172743	13	17	9	1.726035648	0.0753664	SLC38A2	ENSG00000134294
12	45173562	45174128	45174049	8	20	3	5.034270639	0.000202317	SLC38A2	ENSG00000134294
12	45257547	45257859	45257718	20	23	4	4.602761727	0.000137072	SLC38A2	ENSG00000134294
12	45259755	45259997	45259876	8	10	1	5.273997812	0.00391723	SLC38A2	ENSG00000134294
12	45330530	45330796	45330668	8	11	6	1.643843474	0.137712	SLC38A4	ENSG00000139209
12	45356892	45357222	45357057	10	12	0	12.46581301	0.000159888	SLC38A4	ENSG00000139209
12	45358609	45358829	45358741	8	10	0	10.54799562	0.000613541	SLC38A4	ENSG00000139209
12	46058101	46058411	46058256	8	11	5	1.917817386	0.0843804		ENSG00000199566
12	46189771	46190089	46189963	9	13	0	13.4247217	8.16E-05		ENSG00000199566
12	46236213	46236794	46236481	97	122	3	29.48644231	4.73E-32	RPAP3	ENSG00000005175
12	46397777	46398012	46397892	8	10	1	5.273997812	0.00391723		ENSG00000111405
12	46448376	46449036	46448637	58	78	9	7.575378675	8.89E-15	SLC48A1	ENSG00000211584
12	46484855	46485034	46484949	8	8	4	1.726035648	0.150596	HDAC7	ENSG00000061273
12	46501124	46501313	46501207	8	8	2	2.876726079	0.0381137	HDAC7	ENSG00000061273
12	46509039	46509224	46509169	9	9	3	2.397271733	0.0539397	HDAC7	ENSG00000061273
12	46585391	46585621	46585487	8	11	4	2.301380863	0.0459276	VDR	ENSG00000111424
12	46643381	46643570	46643475	8	9	4	1.917817386	0.103282	TMEM106C	ENSG00000134291
12	46677291	46677474	46677391	8	9	0	9.589086931	0.00120187	COL2A1	ENSG00000139219
12	46701892	46702275	46702138	10	15	9	1.534253909	0.136498	COL2A1	ENSG00000139219
12	46703144	46703488	46703244	10	14	6	2.054804342	0.0480281	COL2A1	ENSG00000139219
12	46772214	46772435	46772303	8	8	5	1.43836304	0.235762		ENSG00000222635
12	47034724	47034998	47034863	15	17	3	4.315089119	0.00102271	ZNF641	ENSG00000167528
12	47282119	47282838	47282428	80	116	8	12.46581301	2.85E-25	LALBA	ENSG00000167531
12	47330427	47330650	47330489	8	10	1	5.273997812	0.00391723		ENSG00000221491
12	47474908	47475087	47475055	8	8	3	2.157544559	0.0836802	ADCY6	ENSG00000174233
12	47475970	47476197	47476046	11	12	7	1.558226626	0.152813	ADCY6	ENSG00000174233
12	47495184	47495526	47495357	8	13	1	6.712360851	0.000640982	CACNB3	ENSG00000167535
12	47532012	47532525	47532305	13	22	4	4.410979988	0.000231863	DDX23	ENSG00000174243
12	47545847	47546123	47545972	11	12	5	2.077635502	0.0577144	RND1	ENSG00000172602
12	47698607	47698857	47698763	9	11	5	1.917817386	0.0843804	PRKAG1	ENSG00000181929
12	47740662	47741198	47740790	13	24	5	3.995452888	0.00024777	MLL2	ENSG00000167548
12	47945375	47945875	47945711	14	26	0	25.89053471	1.31E-08	TUBA1C	ENSG00000167553

12	47969032	47969330	47969196	20	21	4	4.219198249	0.000390041	PRPH	ENSG00000135406
12	48022627	48022814	48022720	8	8	3	2.157544559	0.0836802	DNAJC22	ENSG00000178401
12	48081328	48081517	48081422	9	9	6	1.369869562	0.253675	SPATS2	ENSG00000123352
12	48084050	48084476	48084362	8	15	7	1.917817386	0.0572317	SPATS2	ENSG00000123352
12	48247993	48248206	48248099	8	10	3	2.636998906	0.034203	MCRS1	ENSG00000187778
12	48324661	48324906	48324829	9	12	10	1.133255728	0.37674	PRPF40B	ENSG00000110844
12	48421245	48421729	48421366	9	18	9	1.821926517	0.0548428	TMBIM6	ENSG00000139644
12	48568409	48568588	48568498	8	8	5	1.43836304	0.235762		ENSG00000202582
12	48574442	48574745	48574590	12	13	4	2.684944341	0.01921	FAIM2	ENSG00000135472
12	48719349	48719554	48719451	9	9	6	1.369869562	0.253675	RACGAP1	ENSG00000161800
12	48765036	48765296	48765147	10	12	8	1.385090334	0.219216	SMARCD1	ENSG00000066117
12	48847422	48847795	48847608	14	22	6	3.150699991	0.00166398	LASS5	ENSG00000139624
12	48850219	48850853	48850598	165	193	2	62.00942882	1.03E-53	LASS5	ENSG00000139624
12	48868865	48869118	48868971	10	11	2	3.835634772	0.00800699	LASS5	ENSG00000139624
12	48882379	48882637	48882508	8	11	3	2.876726079	0.0213797		ENSG00000221604
12	48927187	48927398	48927285	10	11	0	11.50690432	0.000313206		ENSG00000212496
12	48932055	48932246	48932175	8	9	7	1.198635866	0.346278		ENSG00000212496
12	48954161	48954363	48954262	9	9	0	9.589086931	0.00120187	LIMA1	ENSG00000050405
12	49081497	49081684	49081648	9	9	3	2.397271733	0.0539397	LARP4	ENSG00000161813
12	49098503	49098820	49098652	13	15	2	5.114179696	0.00088103	LARP4	ENSG00000161813
12	49278341	49278550	49278450	8	8	2	2.876726079	0.0381137		ENSG00000207136
12	49608388	49608784	49608566	14	20	1	10.06854128	8.32E-06	METTL7A	ENSG00000185432
12	49667139	49667456	49667312	10	12	2	4.155271003	0.0046638		ENSG00000206830
12	49704822	49705177	49704977	11	15	10	1.394776281	0.191426	SLC11A2	ENSG00000110911
12	49708127	49708452	49708290	9	12	6	1.78083043	0.0985525	SLC11A2	ENSG00000110911
12	50068160	50068438	50068299	9	12	6	1.78083043	0.0985525	SLC4A8	ENSG00000050438
12	50211917	50212225	50212086	16	19	5	3.19636231	0.00280933	SLC4A8	ENSG00000050438
12	50231957	50232166	50232110	8	8	2	2.876726079	0.0381137	SLC4A8	ENSG00000050438
12	50489178	50489362	50489291	9	9	1	4.794543465	0.00708517	FIGNL2	ENSG00000205432
12	50606840	50607149	50606994	9	12	3	3.116453252	0.0131971	ACVRL1	ENSG00000139567
12	50673206	50673385	50673306	8	8	14	0.575345216	0.912234		ENSG00000206992
12	50684180	50684451	50684322	9	12	6	1.78083043	0.0985525	GRASP	ENSG00000161835
12	50740256	50740482	50740369	8	8	3	2.157544559	0.0836802	NR4A1	ENSG00000123358
12	50819668	50819866	50819712	8	9	3	2.397271733	0.0539397		ENSG00000214487

12	50823654	50823885	50823745	10	11	2	3.835634772	0.00800699		ENSG00000214487
12	50855928	50856569	50856262	69	90	4	17.45213821	5.11E-22	KRT80	ENSG00000167767
12	50872349	50872754	50872502	10	17	7	2.157544559	0.0276499	KRT80	ENSG00000167767
12	50895712	50896044	50895878	9	15	8	1.704726565	0.0916153	KRT7	ENSG00000135480
12	50908598	50908845	50908711	12	14	3	3.595907599	0.00486913	KRT7	ENSG00000135480
12	50924231	50924464	50924332	10	12	0	12.46581301	0.000159888	KRT7	ENSG00000135480
12	50959088	50959304	50959205	8	9	4	1.917817386	0.103282	KRT81	ENSG00000205426
12	51007656	51007892	51007774	11	14	6	2.054804342	0.0480281	KRT83	ENSG00000170523
12	51018545	51019030	51018767	21	37	6	5.205504334	9.20E-07	KRT83	ENSG00000170523
12	51052628	51052880	51052754	8	10	1	5.273997812	0.00391723	KRT85	ENSG00000135443
12	51263177	51263361	51263232	8	8	5	1.43836304	0.235762	KRT74	ENSG00000170484
12	51335672	51335859	51335790	9	9	4	1.917817386	0.103282	KRT2	ENSG00000172867
12	51347608	51347825	51347716	8	10	3	2.636998906	0.034203	KRT1	ENSG00000167768
12	51480896	51481213	51481037	14	19	7	2.397271733	0.0127287	KRT3	ENSG00000186442
12	51534086	51534265	51534212	8	9	1	4.794543465	0.00708517	KRT78	ENSG00000170423
12	51545317	51545726	51545547	16	27	7	3.356180426	0.000396559	KRT78	ENSG00000170423
12	51551259	51551464	51551416	9	10	3	2.636998906	0.034203	KRT78	ENSG00000170423
12	51554410	51554701	51554571	11	12	5	2.077635502	0.0577144	KRT78	ENSG00000170423
12	51560043	51560454	51560208	10	16	7	2.037680973	0.0400399	KRT8	ENSG00000170421
12	51575409	51575810	51575588	14	22	11	1.837908328	0.0378204	KRT8	ENSG00000170421
12	51583405	51583770	51583598	9	15	7	1.917817386	0.0572317	KRT8	ENSG00000170421
12	51583992	51584319	51584155	11	16	6	2.328778255	0.0221113	KRT8	ENSG00000170421
12	51585049	51585535	51585393	17	25	5	4.155271003	0.000149583	KRT8	ENSG00000170421
12	51587254	51587664	51587433	9	16	12	1.253957522	0.265012	KRT8	ENSG00000170421
12	51606152	51606713	51606292	9	20	7	2.517135319	0.00849957	KRT8	ENSG00000170421
12	51629769	51630074	51629921	9	13	7	1.678090213	0.11195	KRT18	ENSG00000111057
12	51650047	51650496	51650329	11	20	20	0.958908693	0.553754	KRT18	ENSG00000111057
12	51652150	51652440	51652295	10	12	5	2.077635502	0.0577144	KRT18	ENSG00000111057
12	51656268	51656718	51656435	11	20	8	2.237453617	0.0160557	KRT18	ENSG00000111057
12	51661020	51661303	51661165	14	18	11	1.518272097	0.122037	EIF4B	ENSG00000063046
12	51686439	51686912	51686735	13	20	9	2.013708255	0.0279742	EIF4B	ENSG00000063046
12	51702920	51703113	51703073	8	8	2	2.876726079	0.0381137	EIF4B	ENSG00000063046
12	51726522	51726745	51726637	8	8	2	2.876726079	0.0381137	TENC1	ENSG00000111077
12	51733696	51733953	51733813	11	14	5	2.397271733	0.0258078	TENC1	ENSG00000111077

12	51734478	51734752	51734576	8	12	4	2.493162602	0.0299057	TENC1	ENSG00000111077
12	51741408	51741754	51741581	8	14	8	1.598181155	0.124586	TENC1	ENSG00000111077
12	51860620	51860835	51860726	10	11	3	2.876726079	0.0213797	CSAD	ENSG00000139631
12	51904651	51904969	51904810	13	17	2	5.753452158	0.000281509	RARG	ENSG00000172819
12	51910537	51910803	51910683	9	11	0	11.50690432	0.000313206	RARG	ENSG00000172819
12	51948020	51948301	51948154	8	11	0	11.50690432	0.000313206	ESPL1	ENSG00000135476
12	52001341	52002002	52001691	9	23	15	1.43836304	0.12479	AAAS	ENSG00000094914
12	52034300	52034567	52034433	9	10	1	5.273997812	0.00391723	SP7	ENSG00000170374
12	52050838	52051262	52051083	12	18	7	2.277408146	0.0188653	SP1	ENSG00000185591
12	52059494	52060101	52059718	18	36	15	2.217476353	0.00255902	SP1	ENSG00000185591
12	52061987	52062194	52062104	8	9	5	1.598181155	0.170911	SP1	ENSG00000185591
12	52178684	52179193	52178935	33	50	5	8.150723891	1.52E-10	MAP3K12	ENSG00000139625
12	52283830	52284078	52283910	8	8	2	2.876726079	0.0381137	ATF7	ENSG00000170653
12	52305724	52306017	52305870	10	13	3	3.356180426	0.00805599	ATF7	ENSG00000170653
12	52306410	52306762	52306586	10	16	8	1.811271976	0.0663685	ATF7	ENSG00000170653
12	52356121	52356574	52356395	9	17	4	3.452071295	0.00292757	ATP5G2	ENSG00000135390
12	52426774	52427141	52426898	10	15	4	3.068507818	0.0076507	CALCOCO1	ENSG00000012822
12	52435525	52435726	52435604	8	9	1	4.794543465	0.00708517	CALCOCO1	ENSG00000012822
12	52484458	52485079	52484587	9	23	14	1.534253909	0.0910901		ENSG00000223213
12	52500984	52501193	52501088	8	10	3	2.636998906	0.034203		ENSG00000223213
12	52505275	52505719	52505546	15	25	13	1.78083043	0.0357618		ENSG00000223213
12	52525625	52525851	52525735	10	12	5	2.077635502	0.0577144		ENSG00000223213
12	52619980	52620196	52620088	8	9	3	2.397271733	0.0539397	HOXC13	ENSG00000123364
12	52666135	52666420	52666277	8	10	1	5.273997812	0.00391723	HOXC10	ENSG00000180818
12	52871665	52871856	52871750	9	9	3	2.397271733	0.0539397	SMUG1	ENSG00000123415
12	52967344	52967624	52967484	9	11	0	11.50690432	0.000313206	HNRNPA1	ENSG00000135486
12	53048702	53048993	53048847	9	12	4	2.493162602	0.0299057	GPR84	ENSG00000139572
12	53067722	53068010	53067852	10	11	4	2.301380863	0.0459276	ZNF385A	ENSG00000161642
12	53572157	53572399	53572308	11	13	2	4.474907234	0.00269459	MUCL1	ENSG00000172551
12	53852746	53853140	53852925	44	52	1	25.41108037	8.99E-15	OR9K2	ENSG00000170605
12	54361459	54361762	54361637	10	13	4	2.684944341	0.01921	METTL7B	ENSG00000170439
12	54396041	54396317	54396147	8	11	1	5.753452158	0.00215302	BLOC1S1	ENSG00000135441
12	54407195	54407374	54407284	8	8	0	8.630178238	0.00235436	CD63	ENSG00000135404
12	54418965	54419200	54419117	11	11	1	5.753452158	0.00215302	GDF11	ENSG00000135414

12	54613356	54613691	54613522	14	17	3	4.315089119	0.00102271	DGKA	ENSG00000065357
12	54620362	54620564	54620463	8	10	5	1.757999271	0.121253	DGKA	ENSG00000065357
12	54636184	54636395	54636308	8	9	7	1.198635866	0.346278	SILV	ENSG00000185664
12	54653834	54654135	54653984	10	13	1	6.712360851	0.000640982	RAB5B	ENSG00000111540
12	54687305	54687522	54687383	9	10	3	2.636998906	0.034203	SUOX	ENSG00000139531
12	54709035	54709356	54709199	14	18	1	9.109632584	2.91E-05	IKZF4	ENSG00000123411
12	54721814	54722232	54722006	9	17	10	1.569123316	0.112309	RPS26	ENSG00000197728
12	54758989	54759198	54759093	8	9	0	9.589086931	0.00120187	ERBB3	ENSG00000065361
12	54784110	54784308	54784209	10	10	4	2.109599125	0.0694668	PA2G4	ENSG00000170515
12	54798072	54798321	54798196	12	12	5	2.077635502	0.0577144	ZC3H10	ENSG00000135482
12	54806251	54806462	54806351	11	12	6	1.78083043	0.0985525	FAM62A	ENSG00000139641
12	54902035	54902285	54902160	8	11	1	5.753452158	0.00215302	RNF41	ENSG00000181852
12	55040158	55040378	55040268	8	9	3	2.397271733	0.0539397	STAT2	ENSG00000170581
12	55315107	55315298	55315169	8	8	1	4.315089119	0.0127267	BAZ2A	ENSG00000076108
12	55405021	55405312	55405183	10	14	6	2.054804342	0.0480281	NACA	ENSG00000196531
12	55660263	55660591	55660426	8	12	0	12.46581301	0.000159888	GPR182	ENSG00000166856
12	55711346	55712039	55711674	56	93	0	90.13741715	3.55E-28	TAC3	ENSG00000166863
12	55766971	55767270	55767125	9	11	7	1.43836304	0.204844	NAB2	ENSG00000166886
12	55776055	55776529	55776353	61	74	5	11.98635866	9.10E-17	NAB2	ENSG00000166886
12	55792139	55792597	55792262	11	20	2	6.712360851	4.91E-05	STAT6	ENSG00000166888
12	55807334	55808229	55807790	20	56	1	27.32889775	6.55E-16	LRP1	ENSG00000123384
12	55863116	55863344	55863257	9	9	6	1.369869562	0.253675		ENSG00000221365
12	55893388	55893667	55893527	8	11	0	11.50690432	0.000313206	NXPH4	ENSG00000182379
12	56062300	56062504	56062414	9	11	0	11.50690432	0.000313206		ENSG00000201198
12	56142658	56142916	56142787	14	15	7	1.917817386	0.0572317	GLI1	ENSG00000111087
12	56167913	56168190	56168027	13	15	4	3.068507818	0.0076507	MARS	ENSG00000166986
12	56202210	56202644	56202346	17	27	2	8.949814469	7.46E-07	MBD6	ENSG00000166987
12	56373770	56374001	56373885	9	10	3	2.636998906	0.034203		ENSG00000135506
12	56374070	56374267	56374202	9	10	3	2.636998906	0.034203		ENSG00000135506
12	56406088	56406343	56406253	8	10	3	2.636998906	0.034203	AGAP2	ENSG00000135439
12	56451950	56452247	56452098	11	12	2	4.155271003	0.0046638	METTL1	ENSG00000037897
12	56462684	56462988	56462822	16	17	9	1.726035648	0.0753664	TSFM	ENSG00000123297
12	56585335	56585791	56585617	14	21	8	2.343999027	0.0109478	XRCC6BP1	ENSG00000166896
12	56747684	56747928	56747806	9	11	0	11.50690432	0.000313206		ENSG00000213368

12	56990910	56991231	56991070	11	15	2	5.114179696	0.00088103		ENSG00000213368
12	57568239	57568463	57568351	11	12	1	6.232906505	0.00117736	LRIG3	ENSG00000139263
12	57587027	57587301	57587164	10	14	4	2.876726079	0.01219	LRIG3	ENSG00000139263
12	58037830	58038266	58038009	61	84	1	40.75361945	6.43E-24		ENSG00000212599
12	58233828	58234081	58233918	8	9	0	9.589086931	0.00120187		ENSG00000202471
12	59601231	59601520	59601371	22	24	0	23.97271733	5.01E-08		
12	59723953	59724191	59724059	14	14	1	7.191815198	0.00034761		
12	60334744	60334991	60334867	9	10	0	10.54799562	0.000613541		ENSG00000214304
12	60373838	60374201	60374039	11	15	1	7.671269544	0.000187863		ENSG00000214304
12	60544079	60544272	60544166	8	8	3	2.157544559	0.0836802		ENSG00000214304
12	60872775	60873419	60873086	50	91	10	8.019963615	2.58E-17	USP15	ENSG00000135655
12	60895564	60895808	60895702	10	11	6	1.643843474	0.137712	USP15	ENSG00000135655
12	60939691	60940171	60939828	11	20	7	2.517135319	0.00849957	USP15	ENSG00000135655
12	60940454	60941022	60940789	12	25	1	12.46581301	3.51E-07	USP15	ENSG00000135655
12	61118238	61118454	61118379	11	13	7	1.678090213	0.11195	MON2	ENSG00000061987
12	61147172	61147571	61147411	11	17	1	8.630178238	5.44E-05	MON2	ENSG00000061987
12	61404969	61405242	61405105	10	13	2	4.474907234	0.00269459		ENSG00000213352
12	61473948	61474288	61474118	9	13	7	1.678090213	0.11195		ENSG00000213352
12	61479029	61479323	61479197	8	11	3	2.876726079	0.0213797		ENSG00000213352
12	61482446	61482666	61482537	11	12	1	6.232906505	0.00117736		ENSG00000213352
12	61492001	61492191	61492096	9	9	1	4.794543465	0.00708517		ENSG00000200296
12	61615193	61615400	61615296	8	8	5	1.43836304	0.235762	PPM1H	ENSG00000111110
12	61916926	61917115	61917033	8	9	1	4.794543465	0.00708517	AVPR1A	ENSG00000166148
12	61956838	61957073	61956972	8	9	2	3.19636231	0.0229249	AVPR1A	ENSG00000166148
12	62486087	62486278	62486182	8	9	6	1.369869562	0.253675	TMEM5	ENSG00000118600
12	62581588	62581828	62581708	13	16	1	8.150723891	0.000101217	SRGAP1	ENSG00000196935
12	62760750	62760948	62760849	12	12	11	1.038817751	0.460341		ENSG00000212298
12	62850074	62850428	62850231	32	37	1	18.21926517	1.57E-10		ENSG00000212298
12	63132889	63133398	63133174	26	40	6	5.616465202	1.84E-07	TBK1	ENSG00000183735
12	63201898	63202653	63202462	31	58	9	5.657561289	5.54E-10		ENSG00000223294
12	63280350	63280664	63280487	17	21	3	5.273997812	0.00011662	RASSF3	ENSG00000153179
12	63288522	63288766	63288630	10	10	0	10.54799562	0.000613541	RASSF3	ENSG00000153179
12	63314014	63314438	63314190	18	26	4	5.178106943	2.75E-05		ENSG00000207546
12	63314565	63315467	63314901	46	90	7	10.90758638	2.70E-19		ENSG00000207546

12	63387451	63387709	63387580	11	13	1	6.712360851	0.000640982	GNS	ENSG00000135677
12	63476277	63476521	63476399	12	14	5	2.397271733	0.0258078	TBC1D30	ENSG00000111490
12	63513203	63513417	63513280	9	9	1	4.794543465	0.00708517	TBC1D30	ENSG00000111490
12	63569858	63570322	63570161	11	18	6	2.602752167	0.00970422		ENSG00000210581
12	63663882	63664216	63664049	26	31	6	4.383582597	2.10E-05		ENSG00000210581
12	63867324	63867566	63867438	9	10	4	2.109599125	0.0694668	LEMD3	ENSG00000174106
12	63971767	63972053	63971877	8	10	2	3.515998541	0.0136204	MSRB3	ENSG00000174099
12	64150163	64150499	64150329	8	12	1	6.232906505	0.00117736		ENSG00000213344
12	64236805	64237091	64236951	13	15	8	1.704726565	0.0916153		ENSG00000213344
12	64282581	64282835	64282680	12	15	3	3.835634772	0.00291691		ENSG00000213344
12	64287606	64287913	64287762	13	16	9	1.630144778	0.102169		ENSG00000213344
12	64311516	64312254	64311855	12	30	5	4.954361581	1.11E-05		ENSG00000213344
12	64319665	64320088	64319793	26	36	2	11.82654055	2.94E-09		ENSG00000213344
12	64558644	64558860	64558710	10	12	5	2.077635502	0.0577144		ENSG00000197301
12	64617923	64618142	64618076	9	9	5	1.598181155	0.170911		ENSG00000197301
12	64638641	64638829	64638725	8	8	2	2.876726079	0.0381137		ENSG00000197301
12	64663686	64664040	64663863	10	14	5	2.397271733	0.0258078		ENSG00000213343
12	64695035	64695376	64695205	23	28	5	4.63472535	3.19E-05		ENSG00000213343
12	64715491	64715674	64715565	8	9	1	4.794543465	0.00708517		ENSG00000213343
12	64786176	64786451	64786336	8	8	3	2.157544559	0.0836802		ENSG00000177747
12	64810648	64811033	64810968	9	16	8	1.811271976	0.0663685	LLPH	ENSG00000139233
12	64811113	64811346	64811243	8	11	6	1.643843474	0.137712	LLPH	ENSG00000139233
12	64818276	64818515	64818397	9	10	1	5.273997812	0.00391723		ENSG00000214287
12	64849398	64850235	64849615	12	36	12	2.729201665	0.000399575	TMBIM4	ENSG00000155957
12	64885860	64886042	64885949	8	8	3	2.157544559	0.0836802	IRAK3	ENSG00000090376
12	64916544	64916749	64916668	9	9	1	4.794543465	0.00708517	RBMS1P	ENSG00000174082
12	64959216	64959438	64959369	8	10	13	0.753428259	0.762589		ENSG00000214286
12	64982553	64982828	64982658	9	12	6	1.78083043	0.0985525	HELB	ENSG00000127311
12	65084078	65084288	65084183	8	8	4	1.726035648	0.150596		ENSG00000210604
12	65089540	65089800	65089670	11	13	5	2.237453617	0.038866		ENSG00000210604
12	65342377	65342568	65342463	8	10	2	3.515998541	0.0136204	GRIP1	ENSG00000155974
12	65348924	65349133	65349075	8	8	1	4.315089119	0.0127267	GRIP1	ENSG00000155974
12	65349627	65349869	65349746	10	10	2	3.515998541	0.0136204	GRIP1	ENSG00000155974
12	65504262	65504567	65504430	11	14	7	1.797953799	0.0806593	GRIP1	ENSG00000155974

12	65641349	65641565	65641443	8	9	4	1.917817386	0.103282	GRIP1	ENSG00000155974
12	65754254	65754593	65754423	15	20	10	1.830643869	0.0454769	CAND1	ENSG00000111530
12	65825753	65826053	65825903	13	16	2	5.433815927	0.000499302	CAND1	ENSG00000111530
12	65882168	65882422	65882295	12	15	0	15.34253909	2.13E-05	CAND1	ENSG00000111530
12	66035898	66036095	66035996	9	11	2	3.835634772	0.00800699		ENSG00000210608
12	66177998	66178219	66178103	8	10	7	1.318499453	0.269217		ENSG00000210608
12	66273164	66273470	66273325	21	24	3	5.993179332	2.17E-05	DYRK2	ENSG00000127334
12	66275026	66275217	66275121	9	10	6	1.506856518	0.188853	DYRK2	ENSG00000127334
12	66275557	66275879	66275704	8	12	6	1.78083043	0.0985525	DYRK2	ENSG00000127334
12	66324486	66324755	66324620	8	9	3	2.397271733	0.0539397	DYRK2	ENSG00000127334
12	66327821	66328059	66327940	8	10	6	1.506856518	0.188853	DYRK2	ENSG00000127334
12	66394832	66395052	66394907	10	12	3	3.116453252	0.0131971	DYRK2	ENSG00000127334
12	66605302	66605836	66605512	9	22	10	2.004990904	0.023438	IFNG	ENSG00000111537
12	66720432	66720886	66720732	14	20	6	2.876726079	0.00408924	IFNG	ENSG00000111537
12	66722078	66722792	66722339	55	89	5	14.3836304	9.03E-21	IFNG	ENSG00000111537
12	66812086	66812481	66812265	21	29	4	5.753452158	5.31E-06	IFNG	ENSG00000111537
12	66870475	66870657	66870566	8	8	1	4.315089119	0.0127267	IFNG	ENSG00000111537
12	66903161	66903461	66903311	9	13	14	0.894981447	0.618069	IL26	ENSG00000111536
12	67038482	67038733	67038607	10	11	2	3.835634772	0.00800699	MDM1	ENSG00000111554
12	67045364	67045584	67045474	9	11	11	0.958908693	0.540507	MDM1	ENSG00000111554
12	67091401	67091786	67091607	15	23	3	5.753452158	3.82E-05	MDM1	ENSG00000111554
12	67115898	67116103	67115946	8	8	1	4.315089119	0.0127267	MDM1	ENSG00000111554
12	67264953	67265166	67265059	13	13	8	1.491635745	0.166708	RAP1B	ENSG00000127314
12	67290151	67290723	67290493	11	23	6	3.287686948	0.00104919	RAP1B	ENSG00000127314
12	67302882	67303142	67303019	11	12	1	6.232906505	0.00117736		ENSG00000206650
12	67316336	67316636	67316480	15	18	4	3.643853034	0.00178791		ENSG00000198751
12	67366600	67367176	67366997	20	33	17	1.811271976	0.0175837	NUP107	ENSG00000111581
12	67426809	67427040	67426924	10	12	2	4.155271003	0.0046638	SLC35E3	ENSG00000175782
12	67461453	67461684	67461568	18	18	2	6.073088389	0.000157975	MDM2	ENSG00000135679
12	67467109	67467317	67467272	9	10	1	5.273997812	0.00391723	MDM2	ENSG00000135679
12	67467368	67467979	67467764	59	85	5	13.74435793	1.07E-19	MDM2	ENSG00000135679
12	67479926	67480670	67480213	19	47	4	9.205523453	1.63E-10	MDM2	ENSG00000135679
12	67487786	67488235	67488012	17	31	4	6.137015636	1.74E-06	MDM2	ENSG00000135679
12	67488268	67488634	67488365	9	15	8	1.704726565	0.0916153	MDM2	ENSG00000135679

12	67488637	67489406	67488996	733	914	8	97.48905046	2.70E-251	MDM2	ENSG00000135679
12	67494773	67494969	67494860	8	9	1	4.794543465	0.00708517	MDM2	ENSG00000135679
12	67750302	67750628	67750464	8	13	4	2.684944341	0.01921		ENSG00000221422
12	67836967	67837550	67837387	9	21	14	1.406399416	0.148881		ENSG00000221422
12	68037552	68038034	68037889	9	19	3	4.794543465	0.000349205	YEATS4	ENSG00000127337
12	68150047	68150473	68150302	11	18	14	1.214617678	0.282961	FRS2	ENSG00000166225
12	68150672	68151286	68151081	18	33	8	3.622543952	5.95E-05		ENSG00000205128
12	68246687	68247039	68246863	30	36	0	35.47962164	1.57E-11	CCT2	ENSG00000166226
12	68266024	68266211	68266110	8	8	3	2.157544559	0.0836802	CCT2	ENSG00000166226
12	68445656	68445922	68445789	12	13	1	6.712360851	0.000640982	RAB3IP	ENSG00000127328
12	68589205	68589484	68589309	10	11	3	2.876726079	0.0213797	C12orf28	ENSG00000166268
12	68616349	68616619	68616486	10	13	8	1.491635745	0.166708	C12orf28	ENSG00000166268
12	68758196	68758560	68758386	10	16	4	3.260289556	0.00475414	C12orf28	ENSG00000166268
12	68770888	68771684	68771232	27	61	3	14.86308474	4.23E-15	CNOT2	ENSG00000111596
12	68922785	68923083	68922963	12	15	5	2.557089848	0.0169197	CNOT2	ENSG00000111596
12	69200893	69201248	69201101	20	24	2	7.990905775	4.56E-06		ENSG00000218665
12	69240787	69240994	69240834	8	10	4	2.109599125	0.0694668	PTPRB	ENSG00000127329
12	69242856	69243040	69242968	8	9	3	2.397271733	0.0539397	PTPRB	ENSG00000127329
12	69257179	69257428	69257354	10	12	3	3.116453252	0.0131971	PTPRB	ENSG00000127329
12	69270095	69270320	69270207	12	13	2	4.474907234	0.00269459	PTPRB	ENSG00000127329
12	69472662	69472992	69472827	13	15	3	3.835634772	0.00291691	PTPRR	ENSG00000153233
12	69897065	69897302	69897170	10	11	8	1.278544924	0.28289	TSPAN8	ENSG00000127324
12	70058991	70059298	70059144	12	16	3	4.075361945	0.00173346	LGR5	ENSG00000139292
12	70121410	70121743	70121576	9	15	0	15.34253909	2.13E-05	TSPAN8	ENSG00000127324
12	70343662	70343945	70343803	8	12	3	3.116453252	0.0131971	ZFC3H1	ENSG00000133858
12	70400094	70400340	70400248	8	11	4	2.301380863	0.0459276	TMEM19	ENSG00000139291
12	70405742	70406113	70405957	27	32	3	7.910996718	2.12E-07	RAB21	ENSG00000080371
12	70435436	70435658	70435553	8	10	3	2.636998906	0.034203	RAB21	ENSG00000080371
12	70558778	70559005	70558895	8	9	2	3.19636231	0.0229249	TBC1D15	ENSG00000121749
12	70618910	70619162	70619002	8	11	8	1.278544924	0.28289	TPH2	ENSG00000139287
12	70680004	70680189	70680043	9	10	0	10.54799562	0.000613541	TPH2	ENSG00000139287
12	70697218	70697475	70697350	9	10	6	1.506856518	0.188853	TPH2	ENSG00000139287
12	70953945	70954217	70954057	9	11	3	2.876726079	0.0213797	TRHDE	ENSG00000072657
12	70958994	70959264	70959129	14	14	2	4.794543465	0.00154571	TRHDE	ENSG00000072657

12	70962842	70963077	70962968	8	10	4	2.109599125	0.0694668	TRHDE	ENSG00000072657
12	70982889	70983069	70983036	8	8	4	1.726035648	0.150596	TRHDE	ENSG00000072657
12	71117217	71117411	71117347	9	11	2	3.835634772	0.00800699	TRHDE	ENSG00000072657
12	71164781	71165010	71164880	9	10	2	3.515998541	0.0136204	TRHDE	ENSG00000072657
12	71250753	71250966	71250889	12	12	5	2.077635502	0.0577144		ENSG00000216084
12	71264982	71265170	71265076	8	8	2	2.876726079	0.0381137		ENSG00000216084
12	71415025	71415230	71415127	8	10	1	5.273997812	0.00391723		ENSG00000216084
12	71655013	71655592	71655287	26	49	1	23.97271733	6.39E-14		ENSG00000216084
12	71870722	71871094	71870895	22	28	2	9.2694507	4.06E-07		ENSG00000216084
12	71901126	71901372	71901249	8	11	5	1.917817386	0.0843804		ENSG00000216084
12	72063852	72064060	72063972	9	11	4	2.301380863	0.0459276		ENSG00000210684
12	72441052	72441327	72441189	13	17	3	4.315089119	0.00102271		ENSG00000201809
12	72723347	72723863	72723646	14	29	9	2.876726079	0.000832979		ENSG00000215944
12	72735359	72735573	72735508	8	9	0	9.589086931	0.00120187		ENSG00000215944
12	72791746	72792003	72791841	11	13	5	2.237453617	0.038866		ENSG00000215944
12	73045610	73045822	73045716	8	11	3	2.876726079	0.0213797		ENSG00000180632
12	73194467	73194650	73194549	8	9	0	9.589086931	0.00120187		ENSG00000180632
12	73210757	73211036	73210922	11	12	2	4.155271003	0.0046638		ENSG00000180632
12	73326996	73327187	73327091	8	8	2	2.876726079	0.0381137		ENSG00000188646
12	73453413	73453643	73453547	8	8	1	4.315089119	0.0127267		ENSG00000188646
12	73533283	73533521	73533402	8	8	2	2.876726079	0.0381137		ENSG00000210718
12	73569875	73570205	73570040	10	14	4	2.876726079	0.01219		ENSG00000210718
12	73570313	73570590	73570451	12	16	10	1.481949798	0.147733		ENSG00000210718
12	73577537	73577754	73577645	9	9	0	9.589086931	0.00120187		ENSG00000210718
12	73730346	73730586	73730438	11	11	1	5.753452158	0.00215302		ENSG00000210718
12	73857961	73858522	73858169	142	174	0	167.8090213	7.90E-52	KCNC2	ENSG00000166006
12	73869299	73869543	73869421	8	10	2	3.515998541	0.0136204	KCNC2	ENSG00000166006
12	73916309	73916529	73916415	9	11	3	2.876726079	0.0213797	KCNC2	ENSG00000166006
12	74010286	74010617	74010451	9	12	6	1.78083043	0.0985525	CAPS2	ENSG00000180881
12	74071103	74071343	74071166	12	15	10	1.394776281	0.191426	GLIPR1L2	ENSG00000180481
12	74113596	74113936	74113772	11	14	0	14.3836304	4.17E-05	GLIPR1L2	ENSG00000180481
12	74191420	74191972	74191698	16	28	8	3.0898169	0.000588149	KRR1	ENSG00000111615
12	74657885	74658325	74658211	11	18	6	2.602752167	0.00970422		ENSG00000198923
12	74695245	74695567	74695406	17	20	0	20.13708255	7.37E-07	PHLDA1	ENSG00000139289

12	74762962	74763185	74763059	8	8	2	2.876726079	0.0381137	NAP1L1	ENSG00000187109
12	75057050	75057302	75057177	8	10	0	10.54799562	0.000613541		ENSG00000199754
12	75265888	75266114	75265982	8	10	1	5.273997812	0.00391723	BBS10	ENSG00000179941
12	75379012	75379230	75379121	9	11	2	3.835634772	0.00800699	OSBPL8	ENSG00000091039
12	75480958	75481384	75481205	8	16	3	4.075361945	0.00173346	OSBPL8	ENSG00000091039
12	75496569	75496815	75496692	11	12	3	3.116453252	0.0131971	OSBPL8	ENSG00000091039
12	75526053	75526412	75526237	24	29	1	14.3836304	2.72E-08		ENSG00000213272
12	75526737	75526938	75526879	8	8	0	8.630178238	0.00235436		ENSG00000213272
12	75529574	75529872	75529723	14	17	1	8.630178238	5.44E-05		ENSG00000213272
12	75539530	75539806	75539668	9	10	2	3.515998541	0.0136204		ENSG00000213272
12	75606090	75606305	75606163	8	9	1	4.794543465	0.00708517	ZDHHC17	ENSG00000186908
12	75682102	75682410	75682256	8	11	4	2.301380863	0.0459276	ZDHHC17	ENSG00000186908
12	75717682	75717997	75717857	18	20	4	4.027416511	0.000652226	ZDHHC17	ENSG00000186908
12	75768290	75768471	75768380	9	9	2	3.19636231	0.0229249	CSRP2	ENSG00000175183
12	75870964	75871192	75871047	8	10	1	5.273997812	0.00391723	CSRP2	ENSG00000175183
12	75983566	75984242	75984002	143	199	6	27.39739123	5.54E-50	E2F7	ENSG00000165891
12	76069100	76069282	76069191	8	8	3	2.157544559	0.0836802		ENSG00000210743
12	76157389	76157586	76157487	9	10	1	5.273997812	0.00391723		ENSG00000210743
12	76227592	76227771	76227693	8	8	0	8.630178238	0.00235436		ENSG00000210743
12	76246240	76246640	76246396	15	25	0	24.93162602	2.56E-08		ENSG00000210743
12	76338392	76338605	76338537	8	9	1	4.794543465	0.00708517		ENSG00000210743
12	76533314	76533559	76533440	11	11	3	2.876726079	0.0213797	NAV3	ENSG00000067798
12	76548335	76548610	76548472	15	15	3	3.835634772	0.00291691	NAV3	ENSG00000067798
12	76604535	76605014	76604840	20	30	4	5.945233897	3.05E-06	NAV3	ENSG00000067798
12	76843528	76843776	76843652	10	12	5	2.077635502	0.0577144	NAV3	ENSG00000067798
12	77075064	77075814	77075344	108	157	1	75.75378675	5.70E-45	NAV3	ENSG00000067798
12	77322944	77323253	77323105	8	9	2	3.19636231	0.0229249		ENSG00000213271
12	77663910	77664404	77664173	55	76	4	14.76719387	3.30E-18		ENSG00000213271
12	77784978	77785158	77785068	8	9	1	4.794543465	0.00708517	SYT1	ENSG00000067715
12	78252120	78252346	78252234	9	11	4	2.301380863	0.0459276		ENSG00000221776
12	78322982	78323203	78323060	8	10	3	2.636998906	0.034203		ENSG00000221788
12	78325755	78326091	78325913	10	13	6	1.917817386	0.0693353		ENSG00000221788
12	78338130	78338440	78338261	9	13	10	1.220429246	0.306001		ENSG00000221788
12	78342143	78342379	78342261	8	9	8	1.065454103	0.442605		ENSG00000221788

12	78401676	78401855	78401765	8	8	0	8.630178238	0.00235436		ENSG00000210752
12	78464959	78465213	78465086	9	12	3	3.116453252	0.0131971		ENSG00000210752
12	78465464	78466040	78465617	11	23	5	3.835634772	0.000408054		ENSG00000210752
12	78853461	78853787	78853611	11	14	2	4.794543465	0.00154571	PPP1R12A	ENSG00000058272
12	79104571	79104898	79104697	14	18	7	2.277408146	0.0188653	C12orf64	ENSG00000165899
12	79113101	79113349	79113225	9	10	3	2.636998906	0.034203	C12orf64	ENSG00000165899
12	79343538	79343720	79343629	9	9	1	4.794543465	0.00708517		ENSG00000222880
12	79578236	79578465	79578350	10	11	2	3.835634772	0.00800699	PTPRQ	ENSG00000139304
12	79695555	79695815	79695720	9	11	1	5.753452158	0.00215302		ENSG00000207763
12	79695859	79696453	79696174	155	198	10	17.34752999	2.27E-45		ENSG00000207763
12	79786579	79786825	79786702	8	10	11	0.878999635	0.622439		ENSG00000207763
12	79843224	79843491	79843400	10	13	6	1.917817386	0.0693353		ENSG00000208022
12	79930560	79930739	79930657	8	8	1	4.315089119	0.0127267	ACSS3	ENSG00000111058
12	79995425	79995625	79995544	8	9	3	2.397271733	0.0539397	ACSS3	ENSG00000111058
12	80061015	80061295	80061155	8	10	6	1.506856518	0.188853	ACSS3	ENSG00000111058
12	80176048	80176249	80176145	8	8	7	1.07877228	0.435076	ACSS3	ENSG00000111058
12	80299967	80300267	80300095	9	13	7	1.678090213	0.11195	ACSS3	ENSG00000111058
12	81035013	81035251	81035134	8	9	0	9.589086931	0.00120187		ENSG00000221121
12	81276209	81276607	81276428	15	23	4	4.602761727	0.000137072	C12orf26	ENSG00000127720
12	81276642	81276891	81276746	9	12	2	4.155271003	0.0046638	C12orf26	ENSG00000127720
12	81568688	81568887	81568787	8	9	1	4.794543465	0.00708517	TMTC2	ENSG00000179104
12	81604247	81604832	81604388	13	27	8	2.98327149	0.000913494	TMTC2	ENSG00000179104
12	81814942	81815172	81815057	9	9	1	4.794543465	0.00708517		ENSG00000212029
12	82307281	82307548	82307409	9	11	8	1.278544924	0.28289		ENSG00000213270
12	82453905	82454150	82454027	13	14	0	14.3836304	4.17E-05		ENSG00000213270
12	82491663	82491869	82491787	8	8	0	8.630178238	0.00235436		ENSG00000213270
12	83656317	83656682	83656431	13	17	7	2.157544559	0.0276499		ENSG00000222637
12	83774180	83774359	83774288	9	9	4	1.917817386	0.103282		ENSG00000222637
12	83994588	83994908	83994748	9	12	2	4.155271003	0.0046638	LRRIQ1	ENSG00000133640
12	84100691	84100922	84100840	9	9	3	2.397271733	0.0539397	ALX1	ENSG00000180318
12	84263943	84264122	84264032	8	8	3	2.157544559	0.0836802	ALX1	ENSG00000180318
12	84386565	84386954	84386744	12	18	6	2.602752167	0.00970422		ENSG00000213268
12	84599130	84599464	84599366	10	14	1	7.191815198	0.00034761		ENSG00000213268
12	84674420	84674667	84674567	8	11	1	5.753452158	0.00215302	RASSF9	ENSG00000198774

12	86149738	86150129	86149912	40	48	1	23.49326298	1.23E-13	
12	86301710	86301940	86301825	9	10	1	5.273997812	0.00391723	ENSG00000205071
12	86427343	86427522	86427432	8	8	5	1.43836304	0.235762	ENSG00000205071
12	86970668	86970909	86970766	8	8	7	1.07877228	0.435076	ENSG00000210797
12	87059695	87060100	87059874	9	17	4	3.452071295	0.00292757	CEP290 ENSG00000198707
12	87062689	87062972	87062830	16	20	0	20.13708255	7.37E-07	TMTC3 ENSG00000139324
12	87472253	87472516	87472406	12	14	3	3.595907599	0.00486913	KITLG ENSG00000049130
12	87476366	87476580	87476462	8	8	1	4.315089119	0.0127267	KITLG ENSG00000049130
12	87477286	87478191	87477783	751	924	6	126.7129344	9.50E-258	KITLG ENSG00000049130
12	87681578	87681834	87681690	9	10	2	3.515998541	0.0136204	ENSG00000210830
12	87699867	87700261	87700046	53	68	3	16.54117496	5.19E-17	ENSG00000210830
12	87843853	87844199	87844026	8	13	3	3.356180426	0.00805599	ENSG00000210830
12	88035459	88035997	88035764	13	25	6	3.56166086	0.000408555	DUSP6 ENSG00000139318
12	88143639	88144087	88143890	13	23	7	2.876726079	0.00239423	DUSP6 ENSG00000139318
12	88145638	88145846	88145759	8	10	3	2.636998906	0.034203	DUSP6 ENSG00000139318
12	88154990	88155306	88155135	9	12	3	3.116453252	0.0131971	DUSP6 ENSG00000139318
12	88237048	88237379	88237210	22	27	5	4.474907234	5.37E-05	DUSP6 ENSG00000139318
12	88442516	88442776	88442655	10	11	2	3.835634772	0.00800699	WDR51B ENSG00000139323
12	88443963	88444210	88444036	13	16	5	2.716907964	0.0109645	WDR51B ENSG00000139323
12	88484587	88484894	88484752	9	13	9	1.34247217	0.232231	WDR51B ENSG00000139323
12	88627529	88627718	88627600	9	9	1	4.794543465	0.00708517	ENSG00000210846
12	88680598	88681010	88680804	10	18	5	3.036544195	0.0044641	ENSG00000210846
12	88686807	88687072	88686939	10	11	1	5.753452158	0.00215302	ENSG00000210846
12	88687179	88687403	88687313	10	11	3	2.876726079	0.0213797	ENSG00000210846
12	88693383	88693674	88693528	8	11	1	5.753452158	0.00215302	ENSG00000210846
12	88837380	88837620	88837500	8	11	5	1.917817386	0.0843804	ENSG00000210846
12	88869280	88869702	88869398	8	16	6	2.328778255	0.0221113	ENSG00000210846
12	89152331	89153002	89152534	56	79	1	38.35634772	1.75E-22	
12	89311071	89311250	89311200	8	8	0	8.630178238	0.00235436	
12	89492572	89492916	89492744	16	21	1	10.54799562	4.43E-06	C12orf37 ENSG00000196243
12	89666300	89666492	89666426	9	9	1	4.794543465	0.00708517	C12orf37 ENSG00000196243
12	89719680	89719859	89719799	8	8	0	8.630178238	0.00235436	C12orf37 ENSG00000196243
12	89726578	89726813	89726695	9	11	1	5.753452158	0.00215302	C12orf37 ENSG00000196243
12	90300026	90300362	90300194	8	14	15	0.8989769	0.617119	DCN ENSG00000011465

12	90729696	90729952	90729857	13	13	1	6.712360851	0.000640982	BTG1	ENSG00000133639
12	90811455	90811640	90811588	8	8	1	4.315089119	0.0127267	BTG1	ENSG00000133639
12	90820744	90821206	90820975	84	103	1	49.86325204	2.22E-29	BTG1	ENSG00000133639
12	90846223	90846406	90846307	8	8	0	8.630178238	0.00235436	BTG1	ENSG00000133639
12	90952706	90953303	90952963	164	211	7	25.41108037	3.76E-52	BTG1	ENSG00000133639
12	90954290	90954476	90954342	8	8	1	4.315089119	0.0127267	BTG1	ENSG00000133639
12	90998410	90998616	90998471	9	9	0	9.589086931	0.00120187	BTG1	ENSG00000133639
12	91062025	91062281	91062166	10	13	4	2.684944341	0.01921	BTG1	ENSG00000133639
12	91452253	91452550	91452404	16	16	1	8.150723891	0.000101217	CLLU1OS	ENSG00000205057
12	91461367	91461632	91461516	12	15	4	3.068507818	0.0076507	CLLU1OS	ENSG00000205057
12	91510163	91510585	91510355	32	43	3	10.54799562	2.89E-10		ENSG00000214215
12	91511766	91511992	91511879	8	8	2	2.876726079	0.0381137		ENSG00000214215
12	91567915	91568179	91568068	8	11	2	3.835634772	0.00800699		ENSG00000214215
12	91702323	91702973	91702545	92	126	5	20.29690067	7.44E-31	PLEKHG7	ENSG00000187510
12	91703053	91703310	91703181	11	12	3	3.116453252	0.0131971	PLEKHG7	ENSG00000187510
12	91739230	91739432	91739304	9	9	1	4.794543465	0.00708517	PLEKHG7	ENSG00000187510
12	91891549	91891918	91891751	48	54	0	52.73997812	8.69E-17		ENSG00000202534
12	91980341	91980528	91980447	8	9	0	9.589086931	0.00120187		ENSG00000221617
12	92295487	92295682	92295565	8	9	1	4.794543465	0.00708517	NUDT4	ENSG00000173598
12	92358736	92359060	92358912	9	11	0	11.50690432	0.000313206	UBE2N	ENSG00000177889
12	92385453	92385830	92385632	10	15	3	3.835634772	0.00291691	MRPL42	ENSG00000198015
12	92487545	92487933	92487784	8	14	5	2.397271733	0.0258078	SOCS2	ENSG00000120833
12	92509198	92509398	92509298	8	8	5	1.43836304	0.235762	SOCS2	ENSG00000120833
12	92542934	92543415	92543212	43	61	4	11.89046779	3.48E-14		ENSG00000220515
12	92595013	92595394	92595192	10	17	4	3.452071295	0.00292757	CRADD	ENSG00000169372
12	92595549	92595838	92595693	12	15	4	3.068507818	0.0076507	CRADD	ENSG00000169372
12	92615913	92616098	92616036	8	9	0	9.589086931	0.00120187	CRADD	ENSG00000169372
12	92622434	92622613	92622512	8	8	1	4.315089119	0.0127267	CRADD	ENSG00000169372
12	92660611	92660846	92660728	8	11	3	2.876726079	0.0213797	CRADD	ENSG00000169372
12	93010919	93011168	93011050	8	9	4	1.917817386	0.103282	PLXNC1	ENSG00000136040
12	93016480	93016694	93016587	8	8	0	8.630178238	0.00235436	PLXNC1	ENSG00000136040
12	93038221	93038426	93038371	8	8	3	2.157544559	0.0836802	PLXNC1	ENSG00000136040
12	93391224	93391513	93391368	13	17	1	8.630178238	5.44E-05	CCDC41	ENSG00000173588
12	93450727	93450979	93450875	10	11	3	2.876726079	0.0213797		ENSG00000213249

12	93507448	93507668	93507545	8	8	3	2.157544559	0.0836802		ENSG00000187738
12	93706496	93706739	93706617	10	12	2	4.155271003	0.0046638		ENSG00000216306
12	93991404	93991773	93991600	13	18	6	2.602752167	0.00970422	NR2C1	ENSG00000120798
12	94236106	94236458	94236291	12	17	5	2.876726079	0.00703033		ENSG00000199172
12	94391879	94392181	94392030	12	16	5	2.716907964	0.0109645	METAP2	ENSG00000111142
12	94639121	94639693	94639416	73	95	7	11.50690432	1.34E-20		ENSG00000216285
12	94720773	94721100	94720925	8	10	5	1.757999271	0.121253		ENSG00000199506
12	94953669	94954068	94953827	15	24	14	1.598181155	0.0700275	LTA4H	ENSG00000111144
12	95012157	95012456	95012306	9	10	3	2.636998906	0.034203		ENSG00000223104
12	95137696	95137931	95137830	8	11	1	5.753452158	0.00215302	ELK3	ENSG00000111145
12	95407348	95407548	95407409	9	10	0	10.54799562	0.000613541	C12orf55	ENSG00000165990
12	95670186	95670452	95670332	11	12	1	6.232906505	0.00117736	C12orf63	ENSG00000188596
12	96418408	96418668	96418497	8	11	1	5.753452158	0.00215302		ENSG00000221479
12	96485771	96485996	96485867	8	11	3	2.876726079	0.0213797		ENSG00000207586
12	96486589	96486926	96486757	11	16	7	2.037680973	0.0400399		ENSG00000207586
12	96842173	96842376	96842274	10	11	3	2.876726079	0.0213797		ENSG00000206899
12	97263149	97263786	97263421	30	49	4	9.589086931	4.95E-11		ENSG00000201296
12	97408903	97409082	97409003	8	8	5	1.43836304	0.235762	TMPO	ENSG00000120802
12	97421199	97421792	97421401	12	27	15	1.678090213	0.0444653	TMPO	ENSG00000120802
12	97422015	97422426	97422248	9	16	10	1.481949798	0.147733	TMPO	ENSG00000120802
12	97450774	97451025	97450899	8	9	1	4.794543465	0.00708517	TMPO	ENSG00000120802
12	97484804	97485009	97484887	8	8	5	1.43836304	0.235762		ENSG00000178957
12	97561982	97562738	97562586	22	45	1	22.05489994	8.68E-13		ENSG00000166130
12	97564175	97564410	97564325	11	11	7	1.43836304	0.204844	APAF1	ENSG00000120868
12	97616763	97617055	97616909	9	13	5	2.237453617	0.038866	APAF1	ENSG00000120868
12	98368093	98368284	98368188	9	9	1	4.794543465	0.00708517	ANKS1B	ENSG00000185046
12	98415115	98415322	98415189	10	10	0	10.54799562	0.000613541	ANKS1B	ENSG00000185046
12	98765913	98766284	98766080	8	13	13	0.958908693	0.543805	ANKS1B	ENSG00000185046
12	98870036	98870215	98870085	8	9	3	2.397271733	0.0539397	ANKS1B	ENSG00000185046
12	98877555	98877874	98877690	8	12	5	2.077635502	0.0577144	ANKS1B	ENSG00000185046
12	99059664	99060216	99059940	9	22	10	2.004990904	0.023438	UHRF1BP1	ENSG00000111647
12	99118345	99119013	99118522	9	23	8	2.557089848	0.00494559	ACTR6	ENSG00000075089
12	99132659	99132964	99132816	10	13	5	2.237453617	0.038866	ACTR6	ENSG00000075089
12	99147228	99147520	99147397	8	11	8	1.278544924	0.28289		ENSG00000206790

12	99147826	99148184	99148005	12	17	9	1.726035648	0.0753664		ENSG00000206790
12	99184754	99185320	99185034	8	20	17	1.118726809	0.361026	DEPDC4	ENSG00000166153
12	99698477	99698664	99698570	8	8	2	2.876726079	0.0381137	ANO4	ENSG00000151572
12	100134753	100134932	100134842	8	8	2	2.876726079	0.0381137	SLC5A8	ENSG00000139357
12	100198222	100198510	100198370	9	12	1	6.232906505	0.00117736	UTP20	ENSG00000120800
12	100488054	100488250	100488100	8	10	2	3.515998541	0.0136204	MYBPC1	ENSG00000196091
12	100577120	100577353	100577238	9	11	3	2.876726079	0.0213797	CHPT1	ENSG00000111666
12	100773095	100773791	100773475	39	72	0	70.00033459	4.82E-22		ENSG00000211206
12	100795210	100795587	100795420	17	24	3	5.993179332	2.17E-05		ENSG00000136048
12	100812686	100813066	100812888	12	19	7	2.397271733	0.0127287		ENSG00000211214
12	100827234	100827498	100827366	10	12	4	2.493162602	0.0299057		ENSG00000204971
12	100898091	100898270	100898198	8	8	3	2.157544559	0.0836802		ENSG00000211222
12	101797175	101797359	101797260	9	9	4	1.917817386	0.103282	PAH	ENSG00000171759
12	101801225	101801420	101801287	8	8	7	1.07877228	0.435076	PAH	ENSG00000171759
12	102426312	102426599	102426455	8	9	3	2.397271733	0.0539397	C12orf42	ENSG00000179088
12	102441659	102442441	102441868	157	210	10	18.3936122	1.26E-48	C12orf42	ENSG00000179088
12	102466616	102466825	102466720	9	9	0	9.589086931	0.00120187	STAB2	ENSG00000136011
12	102498078	102498322	102498200	8	9	0	9.589086931	0.00120187	STAB2	ENSG00000136011
12	102782409	102782686	102782532	12	15	4	3.068507818	0.0076507		ENSG00000187809
12	102874979	102875184	102875081	8	9	4	1.917817386	0.103282	C12orf73	ENSG00000204954
12	102896641	102896841	102896727	9	9	1	4.794543465	0.00708517		ENSG00000215976
12	103056336	103056519	103056481	8	8	2	2.876726079	0.0381137	NFYB	ENSG00000120837
12	103137415	103137707	103137561	11	12	5	2.077635502	0.0577144	RPL18AP3	ENSG00000218754
12	103137827	103138451	103138171	15	29	14	1.917817386	0.0161307	RPL18AP3	ENSG00000218754
12	103150835	103151046	103150979	9	11	3	2.876726079	0.0213797	RPL18AP3	ENSG00000218754
12	103205159	103205416	103205311	9	11	1	5.753452158	0.00215302	TXNRD1	ENSG00000198431
12	103206612	103206831	103206715	9	10	10	0.958908693	0.538751	TXNRD1	ENSG00000198431
12	103213193	103213546	103213369	12	17	5	2.876726079	0.00703033	TXNRD1	ENSG00000198431
12	103375335	103375690	103375519	8	12	5	2.077635502	0.0577144	CHST11	ENSG00000171310
12	103396860	103397059	103396964	9	9	1	4.794543465	0.00708517	CHST11	ENSG00000171310
12	103527450	103527662	103527527	10	12	2	4.155271003	0.0046638	CHST11	ENSG00000171310
12	103544711	103545003	103544861	11	14	2	4.794543465	0.00154571	CHST11	ENSG00000171310
12	103686988	103687177	103687082	8	9	1	4.794543465	0.00708517		ENSG00000211260
12	103711076	103711327	103711211	11	13	2	4.474907234	0.00269459		ENSG00000211260

12	103814011	103814193	103814014	8	10	3	2.636998906	0.034203	SLC41A2	ENSG00000136052
12	103903986	103904165	103904075	8	9	4	1.917817386	0.103282	C12orf45	ENSG00000151131
12	104025069	104025334	104025166	10	13	4	2.684944341	0.01921	KIAA1033	ENSG00000136051
12	104121885	104122159	104122047	8	9	1	4.794543465	0.00708517	APPL2	ENSG00000136044
12	104126984	104127426	104127163	10	17	3	4.315089119	0.00102271	APPL2	ENSG00000136044
12	104171756	104172085	104171931	15	19	0	19.17817386	1.44E-06	APPL2	ENSG00000136044
12	104191606	104191830	104191715	10	13	7	1.678090213	0.11195	APPL2	ENSG00000136044
12	104338581	104338792	104338723	10	10	1	5.273997812	0.00391723	APPL2	ENSG00000136044
12	104873279	104873659	104873491	19	25	2	8.310542006	2.50E-06	NUAK1	ENSG00000074590
12	105054232	105054430	105054322	9	9	6	1.369869562	0.253675	NUAK1	ENSG00000074590
12	105142065	105142324	105142158	8	11	3	2.876726079	0.0213797	CKAP4	ENSG00000136026
12	105263511	105264009	105263813	14	23	4	4.602761727	0.000137072	POLR3B	ENSG00000013503
12	105275486	105275746	105275584	11	14	6	2.054804342	0.0480281	POLR3B	ENSG00000013503
12	106010003	106010330	106010176	11	15	2	5.114179696	0.00088103	CRY1	ENSG00000008405
12	106023083	106023275	106023146	8	8	2	2.876726079	0.0381137	CRY1	ENSG00000008405
12	106077531	106077813	106077676	9	9	1	4.794543465	0.00708517	CRY1	ENSG00000008405
12	106298167	106298503	106298335	19	24	4	4.794543465	8.06E-05		ENSG00000200897
12	106322857	106323244	106323036	8	16	3	4.075361945	0.00173346		ENSG00000200897
12	106436912	106437301	106437080	17	23	3	5.753452158	3.82E-05		ENSG00000211282
12	106603413	106603793	106603632	9	14	10	1.307602763	0.244096	PWP1	ENSG00000136045
12	106677370	106677573	106677471	9	9	1	4.794543465	0.00708517	PRDM4	ENSG00000110851
12	106691379	106692012	106691677	32	52	3	12.70554018	1.15E-12	ASCL4	ENSG00000187855
12	106706659	106706839	106706749	8	8	1	4.315089119	0.0127267	ASCL4	ENSG00000187855
12	106847431	106847639	106847509	9	9	5	1.598181155	0.170911	ASCL4	ENSG00000187855
12	106908264	106908644	106908381	8	13	4	2.684944341	0.01921	WSCD2	ENSG00000075035
12	106960678	106960884	106960816	9	9	3	2.397271733	0.0539397	WSCD2	ENSG00000075035
12	107074735	107074994	107074871	8	11	3	2.876726079	0.0213797	WSCD2	ENSG00000075035
12	107271507	107271919	107271686	16	24	0	23.97271733	5.01E-08	CMKLR1	ENSG00000174600
12	107401551	107401805	107401677	8	12	3	3.116453252	0.0131971	FICD	ENSG00000198855
12	107429915	107430134	107430024	9	10	7	1.318499453	0.269217	FICD	ENSG00000198855
12	107480717	107481166	107480895	17	26	7	3.236316839	0.000628017	ISCU	ENSG00000136003
12	107481353	107481724	107481532	12	20	0	20.13708255	7.37E-07	ISCU	ENSG00000136003
12	107582641	107583070	107582921	17	25	4	4.986325204	4.72E-05	SELPLG	ENSG00000110876
12	107609658	107609969	107609821	9	13	4	2.684944341	0.01921	CORO1C	ENSG00000110880

12	107650192	107650455	107650323	8	10	1	5.273997812	0.00391723	CORO1C	ENSG00000110880
12	107675714	107676040	107675877	12	15	1	7.671269544	0.000187863		ENSG00000200060
12	107829928	107830130	107830000	9	11	5	1.917817386	0.0843804		ENSG00000201324
12	107974513	107974843	107974678	8	13	5	2.237453617	0.038866	USP30	ENSG00000135093
12	108038371	108038601	108038509	8	10	9	1.054799562	0.4492	UNG	ENSG00000076248
12	108122372	108122618	108122516	13	14	0	14.3836304	4.17E-05	ACACB	ENSG00000076555
12	108234105	108234422	108234248	14	17	11	1.43836304	0.15834	FOXN4	ENSG00000139445
12	108277486	108277665	108277629	8	8	2	2.876726079	0.0381137	MYO1H	ENSG00000174527
12	108309603	108309835	108309767	10	11	1	5.753452158	0.00215302	MYO1H	ENSG00000174527
12	108699766	108700232	108699930	29	38	4	7.479487806	3.22E-08		ENSG00000211357
12	108743094	108743596	108743342	54	75	1	36.43853034	2.45E-21	TRPV4	ENSG00000111199
12	108787273	108787533	108787392	13	15	3	3.835634772	0.00291691		ENSG00000211363
12	108797672	108797872	108797787	8	10	3	2.636998906	0.034203	GLTP	ENSG00000139433
12	108822125	108822432	108822278	9	12	0	12.46581301	0.000159888	TCHP	ENSG00000139437
12	108921221	108921405	108921313	8	9	4	1.917817386	0.103282	ANKRD13A	ENSG00000076513
12	108961320	108961509	108961414	8	8	3	2.157544559	0.0836802		ENSG00000174456
12	108970826	108971082	108970940	9	12	5	2.077635502	0.0577144		ENSG00000174456
12	109263036	109263368	109263193	23	25	1	12.46581301	3.51E-07		ENSG00000223337
12	109267545	109267741	109267644	8	10	4	2.109599125	0.0694668		ENSG00000223337
12	109372423	109372650	109372579	9	10	5	1.757999271	0.121253	ARPC3	ENSG00000111229
12	109390260	109390623	109390407	11	17	4	3.452071295	0.00292757	GPN3	ENSG00000111231
12	109424157	109424611	109424384	9	18	9	1.821926517	0.0548428	RAD9B	ENSG00000151164
12	109565559	109565746	109565652	9	9	2	3.19636231	0.0229249		ENSG00000221246
12	109748897	109749101	109748999	9	9	3	2.397271733	0.0539397	CCDC63	ENSG00000173093
12	109854314	109854587	109854450	8	9	2	3.19636231	0.0229249		ENSG00000185847
12	110056885	110057338	110057030	28	35	6	4.931530421	2.65E-06	CUX2	ENSG00000111249
12	110237115	110237399	110237241	8	10	2	3.515998541	0.0136204		ENSG00000221386
12	110680577	110680944	110680754	17	23	2	7.671269544	8.30E-06	ALDH2	ENSG00000111275
12	111071823	111072012	111071934	8	9	10	0.871735176	0.624623		ENSG00000200135
12	111331610	111331917	111331763	10	13	4	2.684944341	0.01921	RPL6	ENSG00000089009
12	112020590	112020852	112020716	8	11	4	2.301380863	0.0459276	RASAL1	ENSG00000111344
12	112038475	112038963	112038708	162	200	0	192.7406473	2.02E-59	RASAL1	ENSG00000111344
12	112082169	112082531	112082348	17	24	3	5.993179332	2.17E-05		ENSG00000199899
12	112107041	112107271	112107185	8	11	3	2.876726079	0.0213797	DDX54	ENSG00000123064

12	112168090	112168336	112168207	9	11	2	3.835634772	0.00800699		ENSG00000186815
12	112762477	112762873	112762654	18	26	0	25.89053471	1.31E-08		ENSG00000211425
12	113191334	113191752	113191540	42	56	2	18.21926517	9.63E-15	TBX5	ENSG00000089225
12	113558024	113558228	113558137	8	9	4	1.917817386	0.103282		ENSG00000199220
12	113668611	113668837	113668724	8	8	2	2.876726079	0.0381137		ENSG00000209253
12	113703103	113703413	113703258	12	15	2	5.114179696	0.00088103		ENSG00000209253
12	114180069	114180299	114180184	8	10	0	10.54799562	0.000613541		ENSG00000222458
12	114397210	114397557	114397383	8	14	2	4.794543465	0.00154571		ENSG00000222458
12	114464939	114465244	114465109	13	15	1	7.671269544	0.000187863		ENSG00000222458
12	114795043	114795375	114795207	15	20	4	4.027416511	0.000652226		ENSG00000200112
12	115048493	115048768	115048623	9	10	1	5.273997812	0.00391723		ENSG00000207967
12	115281441	115281662	115281551	9	10	3	2.636998906	0.034203	MED13L	ENSG00000123066
12	115312219	115312857	115312398	15	35	8	3.835634772	2.29E-05	MED13L	ENSG00000123066
12	115348528	115348772	115348661	10	11	3	2.876726079	0.0213797		ENSG00000196668
12	115349432	115349629	115349523	8	9	2	3.19636231	0.0229249		ENSG00000196668
12	115620375	115620609	115620492	13	13	8	1.491635745	0.166708	C12orf49	ENSG00000111412
12	115660236	115660494	115660365	8	9	2	3.19636231	0.0229249	RNFT2	ENSG00000135119
12	115735652	115735837	115735776	8	10	1	5.273997812	0.00391723		ENSG00000201382
12	116134842	116135051	116134912	8	9	2	3.19636231	0.0229249	FBXO21	ENSG00000135108
12	116779294	116779603	116779464	10	14	2	4.794543465	0.00154571	KSR2	ENSG00000171435
12	117193942	117194189	117194078	8	9	1	4.794543465	0.00708517	TAOK3	ENSG00000135090
12	117447458	117447766	117447626	8	9	6	1.369869562	0.253675	SUDS3	ENSG00000111707
12	117465509	117465842	117465675	12	16	0	16.30144778	1.09E-05	SUDS3	ENSG00000111707
12	117959057	117959236	117959229	8	9	8	1.065454103	0.442605		ENSG00000209188
12	118101839	118102105	118102003	11	12	4	2.493162602	0.0299057	HSPB8	ENSG00000152137
12	118257066	118257259	118257162	8	8	1	4.315089119	0.0127267	CCDC60	ENSG00000183273
12	118292091	118292529	118292289	59	72	2	23.33344486	3.30E-19	CCDC60	ENSG00000183273
12	118310186	118310577	118310383	38	48	4	9.397305192	8.99E-11	CCDC60	ENSG00000183273
12	118401418	118401830	118401597	19	26	4	5.178106943	2.75E-05		ENSG00000222647
12	118467307	118467524	118467441	8	10	3	2.636998906	0.034203		ENSG00000222647
12	118589990	118590540	118590240	33	48	1	23.49326298	1.23E-13	PRKAB1	ENSG00000111725
12	118726587	118726768	118726677	8	8	1	4.315089119	0.0127267	CIT	ENSG00000122966
12	118863074	118863356	118863219	9	12	2	4.155271003	0.0046638	CCDC64	ENSG00000135127
12	118896536	118896742	118896639	12	12	6	1.78083043	0.0985525	CCDC64	ENSG00000135127

12	119001672	119001913	119001737	8	11	0	11.50690432	0.000313206	RAB35	ENSG00000111737
12	119123381	119123665	119123549	9	12	7	1.558226626	0.152813	RPLP0	ENSG00000089157
12	119212934	119213335	119213108	8	15	7	1.917817386	0.0572317	RNU4-1B	ENSG00000202538
12	119214160	119214469	119214327	9	13	9	1.34247217	0.232231	RNU4-1B	ENSG00000202538
12	119215515	119215695	119215605	8	11	2	3.835634772	0.00800699		ENSG00000200795
12	119224314	119224811	119224484	18	32	8	3.515998541	9.51E-05	SIRT4	ENSG00000089163
12	119316904	119317144	119316981	12	14	9	1.43836304	0.179537	MSI1	ENSG00000135097
12	119367661	119368795	119368525	151	225	6	30.95905209	2.90E-57	TRIAP1	ENSG00000170855
12	119396739	119397098	119396918	13	20	7	2.517135319	0.00849957	DYNLL1	ENSG00000088986
12	119417963	119418194	119418078	9	9	4	1.917817386	0.103282	DYNLL1	ENSG00000088986
12	119847917	119848543	119848226	55	78	3	18.93844669	9.21E-20		ENSG00000174074
12	120125324	120125572	120125439	10	11	2	3.835634772	0.00800699	P2RX4	ENSG00000135124
12	120274564	120274805	120274684	8	11	4	2.301380863	0.0459276	ANAPC5	ENSG00000089053
12	120321939	120322123	120322036	8	8	5	1.43836304	0.235762	RNF34	ENSG00000170633
12	120708654	120708962	120708808	10	16	2	5.433815927	0.000499302	RHOF	ENSG00000139725
12	120810739	120811009	120810885	9	12	2	4.155271003	0.0046638	PSMD9	ENSG00000110801
12	120923722	120924030	120923888	20	22	2	7.351633313	1.51E-05	BCL7A	ENSG00000110987
12	121173722	121174040	121173881	9	12	0	12.46581301	0.000159888	MLXIP	ENSG00000175727
12	121450514	121450743	121450628	8	8	2	2.876726079	0.0381137	CLIP1	ENSG00000130779
12	121451025	121451256	121451140	10	11	1	5.753452158	0.00215302	CLIP1	ENSG00000130779
12	121776448	121776772	121776669	9	14	5	2.397271733	0.0258078	GPR81	ENSG00000196917
12	121886901	121887165	121887056	9	12	4	2.493162602	0.0299057	HIP1R	ENSG00000130787
12	121938623	121939012	121938833	9	15	2	5.114179696	0.00088103	VPS37B	ENSG00000139722
12	121997256	121997839	121997463	71	100	2	32.28325933	4.12E-27	ABCB9	ENSG00000150967
12	122145299	122145496	122145387	9	9	4	1.917817386	0.103282	PITPNM2	ENSG00000090975
12	122496473	122496831	122496652	8	14	10	1.307602763	0.244096	RILPL2	ENSG00000150977
12	122508450	122508654	122508552	12	12	8	1.385090334	0.219216		ENSG00000184209
12	122618167	122618410	122618241	11	14	1	7.191815198	0.00034761	TMED2	ENSG00000086598
12	122621815	122622131	122621973	8	8	0	8.630178238	0.00235436	TMED2	ENSG00000086598
12	122628983	122629162	122629072	8	8	3	2.157544559	0.0836802	TMED2	ENSG00000086598
12	122721230	122721432	122721332	8	9	1	4.794543465	0.00708517	TCTN2	ENSG00000168778
12	123239070	123239360	123239215	9	13	4	2.684944341	0.01921	FAM101A	ENSG00000178882
12	123323979	123324614	123324291	92	126	2	40.59380134	1.65E-34	FAM101A	ENSG00000178882
12	123410084	123410427	123410312	10	15	11	1.278544924	0.254978	FAM101A	ENSG00000178882

12	123569482	123569776	123569604	11	15	4	3.068507818	0.0076507	NCOR2	ENSG00000196498
12	123622628	123622887	123622777	12	13	2	4.474907234	0.00269459	NCOR2	ENSG00000196498
12	123628464	123628770	123628619	10	14	1	7.191815198	0.00034761	NCOR2	ENSG00000196498
12	123659553	123659953	123659797	10	16	6	2.328778255	0.0221113	NCOR2	ENSG00000196498
12	123689890	123690069	123689979	8	8	1	4.315089119	0.0127267	NCOR2	ENSG00000196498
12	123933940	123934288	123934109	10	14	7	1.797953799	0.0806593		ENSG00000209201
12	123957333	123957584	123957458	8	10	1	5.273997812	0.00391723		ENSG00000209201
12	123964415	123964910	123964731	13	25	4	4.986325204	4.72E-05	UBC	ENSG00000150991
12	123965208	123965462	123965319	14	16	7	2.037680973	0.0400399	UBC	ENSG00000150991
12	123967616	123967950	123967790	11	15	7	1.917817386	0.0572317	UBC	ENSG00000150991
12	123972625	123972900	123972762	8	12	3	3.116453252	0.0131971	UBC	ENSG00000150991
12	123977760	123978010	123977881	9	11	7	1.43836304	0.204844	UBC	ENSG00000150991
12	123978261	123978530	123978336	11	15	6	2.191791298	0.0328001	UBC	ENSG00000150991
12	123988746	123990851	123989265	204	412	27	14.14390322	1.08E-86	UBC	ENSG00000150991
12	124278904	124279239	124279071	13	16	0	16.30144778	1.09E-05		ENSG00000222916
12	124429329	124429546	124429417	8	9	4	1.917817386	0.103282	TMEM132B	ENSG00000139364
12	125946606	125947034	125946746	21	30	2	9.908723162	1.20E-07		ENSG00000189238
12	126216412	126216597	126216504	9	9	14	0.639272462	0.869513		ENSG00000208959
12	126216755	126217088	126216921	38	40	36	1.062574498	0.393268		ENSG00000208959
12	127510553	127510741	127510602	8	9	0	9.589086931	0.00120187	TMEM132C	ENSG00000181234
12	127955840	127956076	127955958	13	14	4	2.876726079	0.01219	GLT1D1	ENSG00000151948
12	130188457	130188636	130188546	8	8	1	4.315089119	0.0127267		ENSG00000204603
12	130333405	130333667	130333533	11	14	0	14.3836304	4.17E-05		ENSG00000212251
12	130680366	130680664	130680505	8	11	0	11.50690432	0.000313206		ENSG00000212154
12	130734405	130734620	130734512	9	10	1	5.273997812	0.00391723		ENSG00000212154
12	130761362	130761688	130761503	8	13	6	1.917817386	0.0693353	SFRS8	ENSG00000061936
12	130771355	130771809	130771534	10	18	0	18.21926517	2.83E-06	SFRS8	ENSG00000061936
12	130787728	130788136	130787968	11	17	2	5.753452158	0.000281509	SFRS8	ENSG00000061936
12	131209371	131209751	131209550	18	25	0	24.93162602	2.56E-08	NOC4L	ENSG00000184967
12	131611125	131611467	131611274	17	22	6	3.150699991	0.00166398		ENSG00000204586
12	131915526	131915745	131915664	10	11	2	3.835634772	0.00800699	GOLGA3	ENSG00000090615
12	131995463	131995770	131995623	10	13	3	3.356180426	0.00805599	CHFR	ENSG00000072609
12	132267958	132268179	132268059	12	12	3	3.116453252	0.0131971	ZNF268	ENSG00000151963
13	18821123	18821434	18821265	17	20	1	10.06854128	8.32E-06		ENSG00000219123

13	19266793	19267024	19266928	9	11	5	1.917817386	0.0843804	PSPC1	ENSG00000121390
13	19267068	19267265	19267172	10	12	1	6.232906505	0.00117736	PSPC1	ENSG00000121390
13	19318000	19318223	19318111	8	9	2	3.19636231	0.0229249	ZMYM5	ENSG00000132950
13	19432334	19432545	19432439	8	8	7	1.07877228	0.435076	ZMYM2	ENSG00000121741
13	19590356	19590569	19590468	9	10	0	10.54799562	0.000613541	GJA3	ENSG00000121743
13	19635603	19635863	19635733	13	16	4	3.260289556	0.00475414	GJA3	ENSG00000121743
13	19643542	19643922	19643743	11	19	4	3.835634772	0.00108365		ENSG00000217490
13	19746630	19746872	19746751	10	10	2	3.515998541	0.0136204	GJB6	ENSG00000121742
13	19834643	19835427	19835035	52	81	5	13.10508547	1.26E-18	GJB6	ENSG00000121742
13	19964724	19964953	19964890	9	12	6	1.78083043	0.0985525	CRYL1	ENSG00000165475
13	19997352	19997642	19997496	11	15	5	2.557089848	0.0169197	CRYL1	ENSG00000165475
13	20355157	20355336	20355305	8	8	0	8.630178238	0.00235436	XPO4	ENSG00000132953
13	20411608	20411938	20411772	9	12	3	3.116453252	0.0131971		ENSG00000219009
13	20548216	20548490	20548353	17	19	0	19.17817386	1.44E-06	LATS2	ENSG00000150457
13	20648665	20648939	20648796	9	11	4	2.301380863	0.0459276	C13orf3	ENSG00000165480
13	20705246	20705673	20705467	40	53	5	8.630178238	2.64E-11		ENSG00000215572
13	20949153	20949541	20949385	12	18	4	3.643853034	0.00178791		ENSG00000217248
13	21030192	21030483	21030337	8	11	3	2.876726079	0.0213797		ENSG00000207518
13	21110440	21110759	21110599	12	14	1	7.191815198	0.00034761		ENSG00000218366
13	21110850	21111327	21111023	20	32	1	15.82199344	3.96E-09		ENSG00000218366
13	21160269	21160523	21160427	8	10	2	3.515998541	0.0136204	FGF9	ENSG00000102678
13	21381582	21381775	21381753	9	9	2	3.19636231	0.0229249		ENSG00000209405
13	21615895	21616095	21615975	11	12	1	6.232906505	0.00117736		ENSG00000219046
13	21980353	21980562	21980446	10	10	3	2.636998906	0.034203		ENSG00000218515
13	22451240	22451484	22451362	8	9	10	0.871735176	0.624623		ENSG00000223116
13	22871410	22871979	22871636	70	101	0	97.80868669	1.64E-30	SACS	ENSG00000151835
13	22879140	22879349	22879208	9	10	2	3.515998541	0.0136204	SACS	ENSG00000151835
13	23260949	23261151	23261020	8	10	2	3.515998541	0.0136204		ENSG00000217247
13	23451530	23451841	23451685	8	11	1	5.753452158	0.00215302		ENSG00000196593
13	23525565	23525930	23525751	9	15	4	3.068507818	0.0076507		ENSG00000218467
13	23967374	23967648	23967495	12	12	5	2.077635502	0.0577144	PARP4	ENSG00000102699
13	24020330	24020559	24020444	9	10	0	10.54799562	0.000613541		ENSG00000220590
13	24121554	24122161	24121838	51	73	3	17.73981082	2.20E-18	ATP12A	ENSG00000075673
13	24132266	24132497	24132381	8	8	0	8.630178238	0.00235436	ATP12A	ENSG00000075673

13	24143563	24143836	24143699	9	13	8	1.491635745	0.166708	ATP12A	ENSG00000075673
13	24347160	24347430	24347295	13	17	1	8.630178238	5.44E-05	RNF17	ENSG00000132972
13	24347470	24347826	24347563	13	18	1	9.109632584	2.91E-05	RNF17	ENSG00000132972
13	24395088	24395543	24395376	9	17	8	1.917817386	0.0474153	CENPJ	ENSG00000151849
13	24686011	24686200	24686105	8	8	0	8.630178238	0.00235436		ENSG00000220865
13	24694337	24694710	24694505	17	22	3	5.513724985	6.69E-05		ENSG00000220865
13	24773378	24773600	24773489	9	9	4	1.917817386	0.103282	NUPL1	ENSG00000139496
13	24960135	24960713	24960548	12	22	3	5.513724985	6.69E-05	ATP8A2	ENSG00000132932
13	25131337	25131526	25131461	8	9	1	4.794543465	0.00708517		ENSG00000199767
13	25658678	25658910	25658793	11	12	2	4.155271003	0.0046638	RNF6	ENSG00000127870
13	25694460	25694672	25694575	9	11	4	2.301380863	0.0459276	RNF6	ENSG00000127870
13	25968834	25969062	25968894	9	12	3	3.116453252	0.0131971	WASF3	ENSG00000132970
13	26279006	26279334	26279165	8	10	1	5.273997812	0.00391723	GPR12	ENSG00000132975
13	26386692	26387404	26387093	42	61	4	11.89046779	3.48E-14		ENSG00000218019
13	26395578	26395836	26395707	11	14	1	7.191815198	0.00034761		ENSG00000218019
13	26402394	26402686	26402519	12	15	4	3.068507818	0.0076507		ENSG00000218019
13	26457465	26457820	26457663	11	15	5	2.557089848	0.0169197		ENSG00000218572
13	26515224	26515551	26515364	8	12	2	4.155271003	0.0046638		ENSG00000220716
13	26715004	26715197	26715108	11	11	2	3.835634772	0.00800699	RPL21	ENSG00000122026
13	26723475	26723679	26723568	8	9	8	1.065454103	0.442605	RPL21	ENSG00000122026
13	26807559	26807997	26807738	32	45	3	11.02744997	8.54E-11		ENSG00000209438
13	26898562	26898799	26898631	9	10	5	1.757999271	0.121253	GTF3A	ENSG00000122034
13	26921474	26921659	26921540	8	9	6	1.369869562	0.253675	MTIF3	ENSG00000122033
13	26922569	26922764	26922685	8	9	0	9.589086931	0.00120187	MTIF3	ENSG00000122033
13	26924165	26924418	26924291	10	11	5	1.917817386	0.0843804	MTIF3	ENSG00000122033
13	26931565	26932127	26931806	43	72	46	1.489368821	0.0152695	MTIF3	ENSG00000122033
13	27242975	27243641	27243230	32	54	4	10.54799562	2.45E-12	GSX1	ENSG00000169840
13	27387374	27387599	27387485	10	12	0	12.46581301	0.000159888	PDX1	ENSG00000139515
13	27645902	27646236	27646069	11	14	3	3.595907599	0.00486913	PAN3	ENSG00000152520
13	28131553	28131771	28131647	8	9	6	1.369869562	0.253675	POMP	ENSG00000132963
13	28225714	28225905	28225818	8	8	2	2.876726079	0.0381137		ENSG00000220482
13	28944603	28944782	28944692	8	8	4	1.726035648	0.150596		ENSG00000179141
13	29313779	29313993	29313910	8	9	6	1.369869562	0.253675	UBL3	ENSG00000122042
13	29390867	29391222	29391044	13	18	10	1.656296833	0.0841786		ENSG00000122043

13	29396194	29396615	29396367	14	22	13	1.575349996	0.0840573		ENSG00000122043
13	29587194	29587510	29587344	15	17	2	5.753452158	0.000281509		ENSG00000209486
13	29614824	29615163	29614993	8	13	11	1.118726809	0.38479		ENSG00000209486
13	29814344	29814834	29814523	14	25	10	2.266511456	0.00802978	KATNAL1	ENSG00000102781
13	29867618	29867958	29867785	14	19	11	1.598181155	0.0927758		ENSG00000169697
13	29880516	29880708	29880612	8	9	3	2.397271733	0.0539397		ENSG00000169697
13	29903378	29903778	29903578	14	24	4	4.794543465	8.06E-05		ENSG00000169697
13	29958498	29958868	29958666	12	18	9	1.821926517	0.0548428	HMGB1	ENSG00000189403
13	30089715	30090221	30090042	23	34	10	3.051073114	0.000209762	USPL1	ENSG00000132952
13	30090692	30091262	30091097	16	30	3	7.431542371	6.87E-07	USPL1	ENSG00000132952
13	30215690	30215944	30215804	8	12	5	2.077635502	0.0577144	ALOX5AP	ENSG00000132965
13	30264781	30264969	30264875	8	8	2	2.876726079	0.0381137	ALOX5AP	ENSG00000132965
13	30337403	30337762	30337512	10	14	10	1.307602763	0.244096	C13orf33	ENSG00000102802
13	30634308	30634487	30634397	8	10	7	1.318499453	0.269217	HSPH1	ENSG00000120694
13	31214277	31214495	31214381	8	10	4	2.109599125	0.0694668	RXFP2	ENSG00000133105
13	31637784	31638227	31638048	20	31	0	30.68507818	4.52E-10	FRY	ENSG00000073910
13	31661319	31661506	31661415	8	9	0	9.589086931	0.00120187	FRY	ENSG00000073910
13	31718674	31718853	31718724	8	8	6	1.232882605	0.333038	FRY	ENSG00000073910
13	31905093	31905309	31905259	8	9	2	3.19636231	0.0229249	N4BP2L1	ENSG00000139597
13	31976764	31977060	31976912	10	11	4	2.301380863	0.0459276	N4BP2L2	ENSG00000139617
13	32296284	32296468	32296376	9	9	1	4.794543465	0.00708517		ENSG00000207325
13	32457079	32457361	32457220	15	19	9	1.917817386	0.0394029		ENSG00000218413
13	32592256	32592614	32592435	23	28	6	3.972621728	9.48E-05	STARD13	ENSG00000133121
13	33014434	33014629	33014531	8	10	2	3.515998541	0.0136204	STARD13	ENSG00000133121
13	33014819	33015186	33015011	10	16	5	2.716907964	0.0109645	STARD13	ENSG00000133121
13	33039088	33039326	33039220	11	12	4	2.493162602	0.0299057	RFC3	ENSG00000133119
13	33169263	33169542	33169376	14	17	6	2.465765211	0.014729	RFC3	ENSG00000133119
13	33233940	33234173	33234063	10	10	4	2.109599125	0.0694668	RFC3	ENSG00000133119
13	33290065	33290418	33290241	8	13	5	2.237453617	0.038866	RFC3	ENSG00000133119
13	33412988	33413591	33413187	80	111	2	35.79925787	3.10E-30		ENSG00000222132
13	33489447	33489654	33489550	8	8	0	8.630178238	0.00235436		ENSG00000222132
13	33520836	33521245	33521010	11	18	0	18.21926517	2.83E-06		ENSG00000217244
13	33548913	33549099	33549038	8	8	6	1.232882605	0.333038		ENSG00000217244
13	33628002	33628345	33628173	14	18	0	18.21926517	2.83E-06		ENSG00000199196

13	33820054	33820250	33820176	8	8	0	8.630178238	0.00235436		ENSG00000220002
13	33893101	33893424	33893280	8	12	1	6.232906505	0.00117736		ENSG00000220002
13	33996941	33997210	33997075	10	11	1	5.753452158	0.00215302		ENSG00000220002
13	34221243	34221422	34221334	8	8	3	2.157544559	0.0836802		ENSG00000220002
13	34832321	34832588	34832454	11	11	1	5.753452158	0.00215302		ENSG00000218654
13	35071552	35071836	35071683	16	19	3	4.794543465	0.000349205	NBEA	ENSG00000172915
13	35420535	35420783	35420630	9	10	5	1.757999271	0.121253	DCLK1	ENSG00000133083
13	35639856	35640035	35639962	8	8	1	4.315089119	0.0127267	DCLK1	ENSG00000133083
13	36472565	36472884	36472734	12	15	6	2.191791298	0.0328001	EXOSC8	ENSG00000120699
13	36510896	36511075	36510985	8	8	1	4.315089119	0.0127267		ENSG00000221100
13	36680947	36681130	36681039	8	8	3	2.157544559	0.0836802		ENSG00000218218
13	36702185	36702430	36702313	9	10	3	2.636998906	0.034203		ENSG00000218218
13	37012875	37013249	37013054	26	33	2	10.86763185	1.89E-08	POSTN	ENSG00000133110
13	37387074	37387538	37387278	27	41	5	6.712360851	2.66E-08	TRPC4	ENSG00000133107
13	37390170	37390349	37390259	8	8	1	4.315089119	0.0127267	TRPC4	ENSG00000133107
13	37428661	37428981	37428821	30	33	1	16.30144778	2.08E-09		ENSG00000217350
13	37662248	37662484	37662389	13	13	2	4.474907234	0.00269459	UFM1	ENSG00000120686
13	37818866	37819238	37819050	32	40	0	39.31525642	1.07E-12	UFM1	ENSG00000120686
13	37821836	37822283	37822015	11	21	11	1.757999271	0.0516118	UFM1	ENSG00000120686
13	37822439	37822783	37822726	9	13	4	2.684944341	0.01921	UFM1	ENSG00000120686
13	37974753	37974949	37974771	8	8	3	2.157544559	0.0836802		ENSG00000216558
13	38108996	38109202	38109063	9	9	9	0.958908693	0.536911		ENSG00000216558
13	38158140	38158645	38158319	19	33	14	2.173526371	0.00425345	FREM2	ENSG00000150893
13	38393141	38393594	38393359	21	34	3	8.390451064	6.50E-08		ENSG00000217780
13	38519882	38520105	38519985	8	9	0	9.589086931	0.00120187	NHLRC3	ENSG00000188811
13	38565040	38565219	38565143	8	9	1	4.794543465	0.00708517	NHLRC3	ENSG00000188811
13	38617017	38617403	38617224	8	15	4	3.068507818	0.0076507		ENSG00000214823
13	38717878	38718157	38718014	13	14	1	7.191815198	0.00034761		ENSG00000214823
13	39184863	39185108	39184985	8	9	0	9.589086931	0.00120187	COG6	ENSG00000133103
13	39588220	39588493	39588367	8	11	4	2.301380863	0.0459276		ENSG00000207458
13	39705841	39706053	39705947	10	10	0	10.54799562	0.000613541		ENSG00000207458
13	39712446	39712768	39712605	13	15	0	15.34253909	2.13E-05		ENSG00000207458
13	39805373	39805745	39805566	35	42	0	41.2330738	2.78E-13		ENSG00000207458
13	39857439	39857998	39857819	27	41	2	13.4247217	1.29E-10		ENSG00000215483

13	40132150	40132503	40132326	9	15	1	7.671269544	0.000187863	FOXO1	ENSG00000150907
13	40243111	40243549	40243321	13	24	9	2.397271733	0.00639731	MRPS31	ENSG00000102738
13	40466163	40466364	40466263	9	10	5	1.757999271	0.121253		ENSG00000220844
13	40491337	40491586	40491461	11	12	5	2.077635502	0.0577144	ELF1	ENSG00000120690
13	40532691	40532964	40532836	12	13	5	2.237453617	0.038866	WBP4	ENSG00000120688
13	40533492	40533772	40533670	9	12	6	1.78083043	0.0985525	WBP4	ENSG00000120688
13	40604728	40605169	40604991	12	21	5	3.515998541	0.00108602	KBTBD6	ENSG00000165572
13	40617658	40618119	40617835	55	72	3	17.50008365	4.15E-18	KBTBD6	ENSG00000165572
13	40825381	40825730	40825610	8	12	3	3.116453252	0.0131971		ENSG00000209565
13	40874649	40875109	40874838	58	74	4	14.3836304	1.15E-17		ENSG00000218901
13	40931044	40931287	40931192	9	11	3	2.876726079	0.0213797	C13orf15	ENSG00000102760
13	41140261	41140550	41140406	8	12	3	3.116453252	0.0131971		ENSG00000221194
13	41275162	41275516	41275339	23	29	1	14.3836304	2.72E-08		ENSG00000223066
13	41377774	41378040	41377907	8	9	0	9.589086931	0.00120187		ENSG00000206962
13	42260639	42260838	42260738	9	9	1	4.794543465	0.00708517	C13orf30	ENSG00000179813
13	42349122	42349403	42349274	8	11	2	3.835634772	0.00800699		ENSG00000217498
13	42366913	42367316	42367219	9	16	4	3.260289556	0.00475414		ENSG00000217498
13	42378438	42378725	42378579	9	13	7	1.678090213	0.11195		ENSG00000217498
13	42441162	42441484	42441273	10	14	2	4.794543465	0.00154571	EPSTI1	ENSG00000133106
13	42475159	42475450	42475322	11	14	0	14.3836304	4.17E-05	EPSTI1	ENSG00000133106
13	43352054	43352332	43352206	8	9	4	1.917817386	0.103282	C13orf31	ENSG00000179630
13	43568895	43569161	43569031	9	9	1	4.794543465	0.00708517		ENSG00000139656
13	43809142	43809584	43809321	11	20	1	10.06854128	8.32E-06	SERP2	ENSG00000151778
13	43875376	43875784	43875660	11	18	11	1.518272097	0.122037	SERP2	ENSG00000151778
13	43907419	43907796	43907617	9	16	5	2.716907964	0.0109645	TSC22D1	ENSG00000102804
13	43909296	43909513	43909404	9	11	3	2.876726079	0.0213797	TSC22D1	ENSG00000102804
13	44231961	44232333	44232140	8	15	2	5.114179696	0.00088103		ENSG00000209569
13	44372471	44372776	44372623	10	12	4	2.493162602	0.0299057	NUFIP1	ENSG00000083635
13	44389817	44390224	44390022	16	25	19	1.246581301	0.225794	NUFIP1	ENSG00000083635
13	44390263	44390793	44390583	16	30	13	2.12329782	0.0070778	NUFIP1	ENSG00000083635
13	44461557	44461825	44461726	8	9	5	1.598181155	0.170911	KIAA1704	ENSG00000133114
13	44519548	44519871	44519698	9	13	4	2.684944341	0.01921		ENSG00000223341
13	44592288	44592754	44592575	11	24	2	7.990905775	4.56E-06	GTF2F2	ENSG00000188342
13	44608975	44609220	44609097	14	16	0	16.30144778	1.09E-05		ENSG00000201061

13	44714418	44714677	44714535	8	10	1	5.273997812	0.00391723	KCTD4	ENSG00000180332
13	44746068	44746272	44746170	8	8	0	8.630178238	0.00235436		ENSG00000221163
13	44753273	44753453	44753372	8	8	9	0.863017824	0.627343		ENSG00000221163
13	44812538	44812768	44812624	8	10	5	1.757999271	0.121253	TPT1	ENSG00000133112
13	45245380	45245703	45245543	11	16	1	8.150723891	0.000101217		ENSG00000209627
13	45524726	45525232	45524915	16	27	16	1.579379024	0.0636678	ZC3H13	ENSG00000123200
13	45592247	45592660	45592460	10	20	14	1.34247217	0.186867	CPB2	ENSG00000080618
13	45593697	45594261	45594082	11	24	12	1.844055179	0.0315307	CPB2	ENSG00000080618
13	45597815	45598040	45597927	10	11	3	2.876726079	0.0213797	CPB2	ENSG00000080618
13	45607268	45607598	45607433	18	21	12	1.622768557	0.076896	CPB2	ENSG00000080618
13	45668742	45668921	45668831	8	8	3	2.157544559	0.0836802	LCP1	ENSG00000136167
13	45676206	45676412	45676302	8	8	4	1.726035648	0.150596	LCP1	ENSG00000136167
13	45678366	45678606	45678466	8	10	8	1.171999514	0.35773	LCP1	ENSG00000136167
13	45683280	45683466	45683373	8	9	5	1.598181155	0.170911	LCP1	ENSG00000136167
13	45761180	45761432	45761310	10	12	1	6.232906505	0.00117736		ENSG00000214554
13	45827065	45827361	45827227	9	11	1	5.753452158	0.00215302		ENSG00000223336
13	46018616	46018888	46018752	9	12	11	1.038817751	0.460341	LRCH1	ENSG00000136141
13	46023601	46023951	46023776	22	28	12	2.139104008	0.0083421	LRCH1	ENSG00000136141
13	46026463	46026835	46026642	10	18	14	1.214617678	0.282961	LRCH1	ENSG00000136141
13	46041550	46042070	46041700	10	19	6	2.739739123	0.00632909	LRCH1	ENSG00000136141
13	46087547	46088422	46087953	38	72	8	7.777814955	5.75E-14	LRCH1	ENSG00000136141
13	46131918	46132246	46132082	17	20	12	1.54900635	0.101141	LRCH1	ENSG00000136141
13	46137770	46138100	46137945	12	15	8	1.704726565	0.0916153	LRCH1	ENSG00000136141
13	46151350	46151555	46151388	8	9	2	3.19636231	0.0229249	ESD	ENSG00000139684
13	46159923	46160117	46160023	8	9	1	4.794543465	0.00708517	ESD	ENSG00000139684
13	46160124	46160336	46160202	8	10	2	3.515998541	0.0136204	ESD	ENSG00000139684
13	46160578	46160774	46160666	8	8	6	1.232882605	0.333038	ESD	ENSG00000139684
13	46170358	46170537	46170498	8	8	4	1.726035648	0.150596	ESD	ENSG00000139684
13	46174027	46174222	46174150	8	8	1	4.315089119	0.0127267	ESD	ENSG00000139684
13	46191551	46191752	46191611	8	9	5	1.598181155	0.170911	ESD	ENSG00000139684
13	46193379	46193846	46193536	11	19	17	1.065454103	0.420867	ESD	ENSG00000139684
13	46200942	46201225	46201075	10	10	7	1.318499453	0.269217	ESD	ENSG00000139684
13	46257680	46257863	46257771	8	8	1	4.315089119	0.0127267	ESD	ENSG00000139684
13	46269621	46269908	46269779	12	12	9	1.246581301	0.295061	ESD	ENSG00000139684

13	46305858	46306074	46305981	8	8	4	1.726035648	0.150596	ESD	ENSG00000139684
13	46309263	46309500	46309381	8	8	4	1.726035648	0.150596	ESD	ENSG00000139684
13	46310296	46310492	46310470	8	10	4	2.109599125	0.0694668	ESD	ENSG00000139684
13	46325250	46325464	46325357	10	11	6	1.643843474	0.137712	HTR2A	ENSG00000102468
13	46338378	46338702	46338541	10	15	8	1.704726565	0.0916153	HTR2A	ENSG00000102468
13	46353636	46353815	46353698	8	9	4	1.917817386	0.103282	HTR2A	ENSG00000102468
13	46360328	46360521	46360424	9	9	2	3.19636231	0.0229249	HTR2A	ENSG00000102468
13	46363654	46363934	46363790	8	11	8	1.278544924	0.28289	HTR2A	ENSG00000102468
13	46367599	46367805	46367702	10	10	1	5.273997812	0.00391723	HTR2A	ENSG00000102468
13	46423777	46423983	46423846	8	8	0	8.630178238	0.00235436		ENSG00000209649
13	46434729	46434982	46434835	10	10	3	2.636998906	0.034203		ENSG00000209653
13	46445982	46446447	46446166	10	20	13	1.43836304	0.140307		ENSG00000209653
13	46464642	46464851	46464751	10	12	9	1.246581301	0.295061		ENSG00000209653
13	46500288	46500591	46500439	11	15	5	2.557089848	0.0169197		ENSG00000209653
13	46540281	46540625	46540459	11	13	3	3.356180426	0.00805599		ENSG00000209653
13	46554575	46554803	46554645	9	10	5	1.757999271	0.121253		ENSG00000209653
13	46584295	46584491	46584389	8	8	1	4.315089119	0.0127267		ENSG00000209653
13	46596364	46596625	46596497	8	9	2	3.19636231	0.0229249		ENSG00000209653
13	46636121	46636356	46636223	9	12	5	2.077635502	0.0577144		ENSG00000220245
13	46667725	46668197	46668018	8	16	5	2.716907964	0.0109645		ENSG00000220245
13	46917518	46917737	46917624	9	10	5	1.757999271	0.121253		ENSG00000209657
13	46927643	46927951	46927818	8	10	3	2.636998906	0.034203		ENSG00000209657
13	46931811	46932084	46931967	9	12	9	1.246581301	0.295061		ENSG00000209657
13	47538560	47539157	47538858	71	100	0	96.849778	3.21E-30	MED4	ENSG00000136146
13	47544394	47544797	47544596	39	52	0	50.82216073	3.34E-16	MED4	ENSG00000136146
13	47628642	47629055	47628766	26	31	0	30.68507818	4.52E-10		ENSG00000214488
13	49469439	49469684	49469561	9	9	2	3.19636231	0.0229249	TRIM13	ENSG00000204977
13	49685741	49686079	49685902	13	18	3	4.554816292	0.000599415		ENSG00000220558
13	49717188	49717521	49717356	11	15	8	1.704726565	0.0916153		ENSG00000220558
13	49733768	49734108	49733947	11	16	3	4.075361945	0.00173346		ENSG00000220558
13	49829801	49830261	49829934	13	20	7	2.517135319	0.00849957		ENSG00000217189
13	50001380	50001968	50001674	98	137	2	44.10979988	1.19E-37		ENSG00000221198
13	50203591	50204036	50203757	21	26	1	12.94526736	1.86E-07		ENSG00000200711
13	51055738	51056271	51056092	8	19	2	6.39272462	8.83E-05	WDFY2	ENSG00000139668

13	51068961	51069291	51069121	24	27	1	13.4247217	9.80E-08		ENSG00000213991
13	51359561	51359906	51359733	13	17	1	8.630178238	5.44E-05		ENSG00000174893
13	51498683	51498935	51498800	13	15	2	5.114179696	0.00088103		ENSG00000214320
13	51683466	51683833	51683675	17	23	1	11.50690432	1.25E-06		ENSG00000220040
13	52089478	52089700	52089589	8	8	7	1.07877228	0.435076		ENSG00000139675
13	54219504	54219802	54219644	8	11	0	11.50690432	0.000313206		ENSG00000136149
13	54790985	54791201	54791090	8	9	0	9.589086931	0.00120187		
13	58462586	58462829	58462707	15	15	0	15.34253909	2.13E-05		ENSG00000214281
13	61106682	61106932	61106807	16	18	0	18.21926517	2.83E-06		ENSG00000209865
13	67770301	67770580	67770443	13	15	0	15.34253909	2.13E-05		ENSG00000220172
13	68582034	68582245	68582139	9	10	0	10.54799562	0.000613541		ENSG00000216426
13	69460019	69460310	69460164	16	17	0	17.26035648	5.54E-06		ENSG00000219838
13	69721523	69721712	69721680	8	10	0	10.54799562	0.000613541	KLHL1	ENSG00000150361
13	71569748	71570082	71569915	39	45	1	22.05489994	8.68E-13		ENSG00000200037
13	72759227	72759489	72759346	13	15	0	15.34253909	2.13E-05		ENSG00000206697
13	72871455	72871755	72871605	11	15	2	5.114179696	0.00088103		ENSG00000218304
13	72985887	72986334	72986124	68	82	0	79.58942152	5.79E-25		ENSG00000218304
13	73075616	73076166	73076000	37	48	0	46.98652596	4.91E-15		ENSG00000218304
13	73508595	73508810	73508708	8	8	0	8.630178238	0.00235436	KLF12	ENSG00000118922
13	73512358	73512591	73512474	9	11	0	11.50690432	0.000313206	KLF12	ENSG00000118922
13	75994189	75994589	75994368	41	48	4	9.397305192	8.99E-11	KCTD12	ENSG00000178695
13	79103514	79103734	79103624	8	9	4	1.917817386	0.103282	NDFIP2	ENSG00000102471
13	80571931	80572125	80572050	10	10	0	10.54799562	0.000613541		ENSG00000222486
13	83413762	83414216	83413988	68	87	3	21.09599125	2.96E-22		ENSG00000220449
13	84580526	84580873	84580704	20	23	0	23.01380863	9.81E-08		ENSG00000207012
13	85157132	85157311	85157190	9	9	1	4.794543465	0.00708517		ENSG00000207012
13	85472849	85473030	85472939	8	8	1	4.315089119	0.0127267		ENSG00000216694
13	87856015	87856311	87856167	11	13	0	13.4247217	8.16E-05		ENSG00000218326
13	89801180	89801372	89801237	8	9	0	9.589086931	0.00120187		ENSG00000207858
13	90042287	90042493	90042387	14	14	0	14.3836304	4.17E-05		ENSG00000209120
13	92667866	92668349	92668038	19	28	1	13.90417605	5.17E-08	GPC6	ENSG00000183098
13	93795594	93795986	93795807	23	32	2	10.54799562	3.50E-08		ENSG00000212057
13	94383495	94383853	94383712	16	21	0	21.09599125	3.76E-07		ENSG00000216894
13	94928763	94929087	94928922	12	15	0	15.34253909	2.13E-05	CLDN10	ENSG00000134873

13	95284392	95284597	95284483	9	10	0	10.54799562	0.000613541		ENSG00000217412
13	96591901	96592252	96592076	8	14	10	1.307602763	0.244096	MBNL2	ENSG00000139793
13	98109865	98110394	98110215	10	21	2	7.031997082	2.73E-05		ENSG00000223127
13	98284942	98285194	98285092	11	13	0	13.4247217	8.16E-05	DOCK9	ENSG00000088387
13	98809289	98809526	98809437	8	8	0	8.630178238	0.00235436		ENSG00000207719
13	99060814	99061319	99061096	16	27	2	8.949814469	7.46E-07	CLYBL	ENSG00000125246
13	99366870	99367056	99366960	8	9	1	4.794543465	0.00708517		ENSG00000210405
13	99500644	99501019	99500818	31	39	2	12.78544924	4.53E-10		ENSG00000220223
13	99843060	99843270	99843127	11	12	1	6.232906505	0.00117736		ENSG00000214062
13	100659644	100659877	100659760	10	11	2	3.835634772	0.00800699	NALCN	ENSG00000102452
13	102137901	102138212	102138057	14	17	1	8.630178238	5.44E-05	C13orf39	ENSG00000139780
13	103153064	103153337	103153200	16	17	0	17.26035648	5.54E-06		ENSG00000219505
13	103455020	103455380	103455157	14	20	1	10.06854128	8.32E-06		
13	108369978	108370176	108370089	8	8	6	1.232882605	0.333038	MYO16	ENSG00000041515
13	109026738	109027049	109026893	14	18	3	4.554816292	0.000599415	IRS2	ENSG00000185950
13	109573128	109573657	109573429	36	54	1	26.36998906	2.43E-15		ENSG00000222584
13	110041039	110041236	110041143	11	11	1	5.753452158	0.00215302	CARKD	ENSG00000213995
13	110320548	110320841	110320696	17	19	2	6.39272462	8.83E-05	ANKRD10	ENSG00000088448
13	112212422	112212750	112212586	20	25	8	2.770180669	0.00215826	TUBGCP3	ENSG00000126216
13	112715727	112715953	112715840	10	11	5	1.917817386	0.0843804	MCF2L	ENSG00000126217
13	113195614	113195871	113195733	8	10	2	3.515998541	0.0136204	TMCO3	ENSG00000150403
13	113573011	113573972	113573550	97	159	0	153.4253909	1.90E-47	GAS6	ENSG00000183087
13	114127671	114127930	114127824	55	55	0	53.69888681	4.44E-17	ZNF828	ENSG00000198824
14	18076307	18076637	18076472	15	15	16	0.902502299	0.616352		ENSG00000215398
14	19843898	19844077	19843968	9	9	1	4.794543465	0.00708517	TTC5	ENSG00000136319
14	19939100	19939494	19939315	25	33	0	32.60289556	1.18E-10	TEP1	ENSG00000129566
14	20147411	20147819	20147579	12	17	5	2.876726079	0.00703033	RNASE12	ENSG00000206171
14	20148141	20148323	20148232	8	9	3	2.397271733	0.0539397	RNASE12	ENSG00000206171
14	20151211	20151522	20151366	8	13	6	1.917817386	0.0693353	RNASE12	ENSG00000206171
14	20168410	20168650	20168543	9	11	5	1.917817386	0.0843804	OR6S1	ENSG00000181803
14	20219516	20219731	20219673	11	11	5	1.917817386	0.0843804		ENSG00000199461
14	20289919	20290477	20290127	57	78	0	75.75378675	8.53E-24	FAM12A	ENSG00000181562
14	20358316	20358725	20358558	21	29	0	28.76726079	1.74E-09	RNASE1	ENSG00000129538
14	20511449	20511697	20511579	9	9	2	3.19636231	0.0229249		ENSG00000209407

14	20635136	20635719	20635344	23	41	5	6.712360851	2.66E-08	ZNF219	ENSG00000165804
14	20984894	20985109	20985023	8	9	0	9.589086931	0.00120187	CHD8	ENSG00000100888
14	21015020	21015219	21015119	10	10	5	1.757999271	0.121253	TOX4	ENSG00000092203
14	21049300	21049485	21049392	8	9	5	1.598181155	0.170911	METTL3	ENSG00000165819
14	21135162	21135349	21135255	9	9	0	9.589086931	0.00120187		ENSG00000202110
14	21306312	21306501	21306406	8	8	2	2.876726079	0.0381137		ENSG00000211780
14	21406658	21406837	21406694	8	8	4	1.726035648	0.150596		ENSG00000211788
14	21872336	21872653	21872494	14	16	5	2.716907964	0.0109645		ENSG00000211820
14	21930105	21930367	21930215	8	10	7	1.318499453	0.269217		ENSG00000211821
14	22075555	22076234	22075934	103	142	8	15.23599368	3.39E-32		ENSG00000211882
14	22093103	22093349	22093240	8	9	0	9.589086931	0.00120187	TRAC	ENSG00000211889
14	22109143	22109398	22109270	8	9	3	2.397271733	0.0539397	DAD1	ENSG00000129562
14	22378198	22378575	22378423	13	20	0	20.13708255	7.37E-07	MMP14	ENSG00000157227
14	22410188	22410545	22410366	11	17	3	4.315089119	0.00102271	LRP10	ENSG00000197324
14	22429498	22429752	22429625	9	11	1	5.753452158	0.00215302	REM2	ENSG00000139890
14	22468621	22468946	22468783	15	20	10	1.830643869	0.0454769	PRMT5	ENSG00000100462
14	22519956	22520135	22520069	8	9	2	3.19636231	0.0229249	JUB	ENSG00000129474
14	22521748	22521954	22521846	10	11	2	3.835634772	0.00800699	JUB	ENSG00000129474
14	22595401	22595628	22595542	8	11	3	2.876726079	0.0213797	CDH24	ENSG00000139880
14	22722723	22722902	22722808	8	8	2	2.876726079	0.0381137	SLC7A8	ENSG00000092068
14	23128171	23128368	23128308	8	8	2	2.876726079	0.0381137	JPH4	ENSG00000092051
14	23170850	23171310	23171079	27	38	2	12.46581301	8.46E-10	DHRS2	ENSG00000100867
14	23209438	23209956	23209733	31	47	1	23.01380863	2.36E-13	DHRS2	ENSG00000100867
14	23647851	23648050	23647963	8	8	0	8.630178238	0.00235436	WDR23	ENSG00000100897
14	23727871	23728086	23727966	11	12	4	2.493162602	0.0299057	IPO4	ENSG00000196497
14	23755062	23755443	23755209	9	15	3	3.835634772	0.00291691		ENSG00000213920
14	23810158	23810446	23810308	18	20	2	6.712360851	4.91E-05	RABGGTA	ENSG00000100949
14	23935226	23935716	23935524	21	31	2	10.22835939	6.48E-08	KIAA1305	ENSG00000205978
14	29634857	29635036	29634946	8	8	0	8.630178238	0.00235436	PRKD1	ENSG00000184304
14	29792036	29792499	29792153	9	18	1	9.109632584	2.91E-05	KIAA1333	ENSG00000092140
14	29834968	29835237	29835102	14	16	2	5.433815927	0.000499302	KIAA1333	ENSG00000092140
14	30098476	30098674	30098575	8	8	0	8.630178238	0.00235436	KIAA1333	ENSG00000092140
14	30149631	30149994	30149801	9	13	3	3.356180426	0.00805599	SCFD1	ENSG00000092108
14	30160801	30161224	30161045	9	18	7	2.277408146	0.0188653	SCFD1	ENSG00000092108

14	30565847	30566143	30565995	10	12	5	2.077635502	0.0577144	STRN3	ENSG00000196792
14	30744650	30744841	30744744	8	9	4	1.917817386	0.103282	HECTD1	ENSG00000092148
14	30747312	30747492	30747402	8	8	8	0.958908693	0.534974	HECTD1	ENSG00000092148
14	30934669	30934884	30934765	8	10	1	5.273997812	0.00391723	HEATR5A	ENSG00000129493
14	30980406	30980833	30980521	9	16	1	8.150723891	0.000101217	C14orf126	ENSG00000129480
14	30988906	30989184	30989045	8	12	1	6.232906505	0.00117736	C14orf126	ENSG00000129480
14	31559812	31560386	31559991	17	33	2	10.86763185	1.89E-08	C14orf128	ENSG00000176127
14	31612605	31612807	31612706	8	8	7	1.07877228	0.435076	C14orf128	ENSG00000176127
14	31615118	31615674	31615297	12	24	6	3.424673904	0.000656885	C14orf128	ENSG00000176127
14	31625049	31625290	31625169	10	13	1	6.712360851	0.000640982	ARHGAP5	ENSG00000100852
14	31741845	31742507	31742365	8	24	13	1.712336952	0.0480623		ENSG00000202337
14	31798624	31798910	31798770	9	12	2	4.155271003	0.0046638		ENSG00000202337
14	31883040	31883384	31883168	10	15	3	3.835634772	0.00291691	AKAP6	ENSG00000151320
14	31884148	31884887	31884472	137	187	7	22.53435429	1.69E-45	AKAP6	ENSG00000151320
14	31888299	31888552	31888425	12	13	1	6.712360851	0.000640982	AKAP6	ENSG00000151320
14	32099064	32099551	32099308	31	45	4	8.821959976	5.35E-10		ENSG00000209554
14	32951372	32951673	32951522	10	11	2	3.835634772	0.00800699	NPAS3	ENSG00000151322
14	33316689	33316960	33316824	10	12	5	2.077635502	0.0577144	EGLN3	ENSG00000129521
14	33320325	33320622	33320473	12	15	4	3.068507818	0.0076507	EGLN3	ENSG00000129521
14	33378669	33378866	33378743	8	8	0	8.630178238	0.00235436	EGLN3	ENSG00000129521
14	33620606	33621064	33620890	10	18	5	3.036544195	0.0044641	EGLN3	ENSG00000129521
14	33718579	33719071	33718725	11	20	9	2.013708255	0.0279742	EGLN3	ENSG00000129521
14	33836472	33837183	33836912	189	234	5	37.55725714	4.35E-61	C14orf147	ENSG00000165389
14	33837241	33837450	33837375	8	11	0	11.50690432	0.000313206	C14orf147	ENSG00000165389
14	33870675	33871249	33870958	17	37	13	2.602752167	0.000528768	C14orf147	ENSG00000165389
14	34373547	34373728	34373654	8	9	0	9.589086931	0.00120187	BAZ1A	ENSG00000198604
14	34382018	34382440	34382261	10	20	3	5.034270639	0.000202317	BAZ1A	ENSG00000198604
14	34413290	34413494	34413385	8	9	2	3.19636231	0.0229249	BAZ1A	ENSG00000198604
14	34414282	34414504	34414393	8	10	5	1.757999271	0.121253	BAZ1A	ENSG00000198604
14	34660751	34661010	34660834	9	12	5	2.077635502	0.0577144	PPP2R3C	ENSG00000092020
14	34699828	34700064	34699946	9	10	1	5.273997812	0.00391723		ENSG00000203598
14	34752941	34753649	34753488	19	44	5	7.191815198	4.84E-09		ENSG00000203598
14	34754042	34754305	34754148	9	10	4	2.109599125	0.0694668		ENSG00000203598
14	34875805	34876143	34875943	15	19	11	1.598181155	0.0927758	PSMA6	ENSG00000100902

14	34932837	34933122	34932978	14	16	2	5.433815927	0.000499302	NFKBIA	ENSG00000100906
14	35034131	35034440	35034282	13	15	1	7.671269544	0.000187863		ENSG00000214927
14	35208890	35209141	35209038	17	17	6	2.465765211	0.014729		ENSG00000209579
14	35348223	35348451	35348337	8	9	5	1.598181155	0.170911	GARNL1	ENSG00000174373
14	35360845	35361118	35360983	11	11	4	2.301380863	0.0459276	BRMS1L	ENSG00000100916
14	35488966	35489273	35489136	9	12	2	4.155271003	0.0046638	BRMS1L	ENSG00000100916
14	36186952	36187321	36187154	8	14	3	3.595907599	0.00486913		ENSG00000212929
14	36310276	36310546	36310411	10	11	2	3.835634772	0.00800699	PAX9	ENSG00000198807
14	36359397	36359705	36359562	10	15	2	5.114179696	0.00088103	PAX9	ENSG00000198807
14	36359862	36360341	36360059	69	92	3	22.29462711	1.21E-23	PAX9	ENSG00000198807
14	36710874	36711201	36711037	12	16	5	2.716907964	0.0109645	SLC25A21	ENSG00000183032
14	36736533	36736787	36736685	9	10	2	3.515998541	0.0136204	MIPOL1	ENSG00000151338
14	36771853	36772110	36772017	9	10	0	10.54799562	0.000613541	MIPOL1	ENSG00000151338
14	36975511	36975706	36975543	8	8	4	1.726035648	0.150596		ENSG00000207046
14	36987257	36987439	36987329	8	9	1	4.794543465	0.00708517		ENSG00000207046
14	37105682	37106225	37106061	12	27	10	2.440858491	0.00375894	FOXA1	ENSG00000129514
14	37118986	37119213	37119066	8	8	2	2.876726079	0.0381137	FOXA1	ENSG00000129514
14	37131755	37132036	37131881	13	16	5	2.716907964	0.0109645	FOXA1	ENSG00000129514
14	37132951	37133605	37133350	27	55	17	2.98327149	5.98E-06	FOXA1	ENSG00000129514
14	37134642	37135631	37135018	20	67	46	1.387357258	0.0402999	FOXA1	ENSG00000129514
14	37145795	37146002	37145847	8	10	2	3.515998541	0.0136204	FOXA1	ENSG00000129514
14	37155795	37156198	37155993	39	59	5	9.589086931	7.64E-13	FOXA1	ENSG00000129514
14	37162514	37162797	37162655	11	13	15	0.839045106	0.685928	FOXA1	ENSG00000129514
14	37180125	37180434	37180279	17	22	24	0.882195998	0.668517	FOXA1	ENSG00000129514
14	37186466	37186645	37186520	8	8	1	4.315089119	0.0127267	FOXA1	ENSG00000129514
14	37189357	37189614	37189459	10	14	21	0.653801382	0.90216	FOXA1	ENSG00000129514
14	37189820	37190087	37189951	8	9	10	0.871735176	0.624623	FOXA1	ENSG00000129514
14	37206455	37206672	37206563	11	11	7	1.43836304	0.204844		ENSG00000200385
14	37259216	37259513	37259347	9	10	0	10.54799562	0.000613541		ENSG00000200385
14	37413508	37413984	37413760	14	23	6	3.287686948	0.00104919		ENSG00000201431
14	37470464	37470748	37470606	8	10	8	1.171999514	0.35773		ENSG00000201431
14	37647793	37648064	37647928	9	10	1	5.273997812	0.00391723	SSTR1	ENSG00000139874
14	38562508	38563357	38562879	23	68	2	22.05489994	4.35E-18		ENSG00000199285
14	38709048	38709472	38709383	10	18	2	6.073088389	0.000157975	TRAPPC6B	ENSG00000182400

14	38727082	38727589	38727252	34	42	2	13.74435793	6.90E-11	PNN	ENSG00000100941
14	38805910	38806175	38806073	8	11	7	1.43836304	0.204844	CTAGE5	ENSG00000150527
14	38972568	38972797	38972735	8	10	3	2.636998906	0.034203	FBXO33	ENSG00000165355
14	39207195	39207575	39207374	9	16	1	8.150723891	0.000101217	FBXO33	ENSG00000165355
14	39598688	39598888	39598788	8	9	0	9.589086931	0.00120187		
14	39760417	39760661	39760541	9	10	4	2.109599125	0.0694668		
14	39907394	39907589	39907491	11	11	7	1.43836304	0.204844		
14	39932219	39932431	39932314	8	11	1	5.753452158	0.00215302		
14	39986015	39986372	39986245	11	15	1	7.671269544	0.000187863		
14	40263442	40263674	40263546	8	8	1	4.315089119	0.0127267		
14	40676842	40677051	40676989	9	12	0	12.46581301	0.000159888		ENSG00000221695
14	41060877	41061152	41060982	14	16	0	16.30144778	1.09E-05	LRFN5	ENSG00000165379
14	41175752	41175995	41175873	10	10	2	3.515998541	0.0136204	LRFN5	ENSG00000165379
14	41732077	41732334	41732197	10	13	3	3.356180426	0.00805599		ENSG00000222084
14	42466400	42466579	42466476	8	8	1	4.315089119	0.0127267		
14	43160100	43160605	43160394	52	68	0	66.16469982	7.10E-21		ENSG00000205898
14	43184195	43184425	43184351	9	12	1	6.232906505	0.00117736		ENSG00000205898
14	43647493	43647906	43647704	53	65	1	31.64398687	1.78E-18		ENSG00000205898
14	43855884	43856207	43856032	13	17	2	5.753452158	0.000281509	FSCB	ENSG00000189139
14	44310502	44310721	44310611	10	11	3	2.876726079	0.0213797	C14orf28	ENSG00000179476
14	44501778	44502025	44501858	8	10	7	1.318499453	0.269217	FAM179B	ENSG00000198718
14	44502612	44502853	44502737	10	12	4	2.493162602	0.0299057	FAM179B	ENSG00000198718
14	44623175	44623558	44623246	10	16	8	1.811271976	0.0663685	PRPF39	ENSG00000185246
14	44673542	44673753	44673655	12	12	4	2.493162602	0.0299057	FKBP3	ENSG00000100442
14	44674586	44674778	44674668	9	9	1	4.794543465	0.00708517	FANCM	ENSG00000187790
14	44792132	44792398	44792265	10	13	3	3.356180426	0.00805599	C14orf106	ENSG00000129534
14	44792497	44792684	44792590	8	8	5	1.43836304	0.235762	C14orf106	ENSG00000129534
14	44894636	44894905	44894770	12	16	3	4.075361945	0.00173346		ENSG00000199739
14	45245201	45245499	45245350	8	10	2	3.515998541	0.0136204		ENSG00000199739
14	45254339	45254531	45254419	8	8	0	8.630178238	0.00235436		ENSG00000199739
14	45324171	45324693	45324514	117	145	2	46.66688973	6.14E-40		
14	45331995	45332455	45332211	40	58	1	28.28780645	1.76E-16		
14	45736670	45736944	45736807	13	17	1	8.630178238	5.44E-05	RPL10L	ENSG00000165496
14	47078166	47078352	47078281	8	8	1	4.315089119	0.0127267		ENSG00000214903

14	47937583	47937856	47937730	11	15	0	15.34253909	2.13E-05		ENSG00000207366
14	48710280	48710467	48710350	8	8	2	2.876726079	0.0381137		ENSG00000209067
14	48840374	48840747	48840531	8	13	3	3.356180426	0.00805599		ENSG00000209067
14	49156652	49156992	49156823	9	12	6	1.78083043	0.0985525	RPL36AL	ENSG00000165502
14	49170654	49170995	49170824	9	13	7	1.678090213	0.11195	C14orf104	ENSG00000165506
14	49389270	49389680	49389449	10	16	3	4.075361945	0.00173346	SDCCAG1	ENSG00000165525
14	49390335	49390552	49390443	10	10	2	3.515998541	0.0136204		ENSG00000222136
14	49398439	49399085	49398733	11	25	5	4.155271003	0.000149583		ENSG00000222619
14	49399240	49399442	49399341	9	10	1	5.273997812	0.00391723		ENSG00000222619
14	49428768	49429137	49428963	10	15	11	1.278544924	0.254978	ARF6	ENSG00000165527
14	49434538	49434833	49434685	8	10	3	2.636998906	0.034203	ARF6	ENSG00000165527
14	49487262	49487646	49487467	51	58	2	18.85853763	2.68E-15		ENSG00000175860
14	49499081	49499295	49499206	10	10	6	1.506856518	0.188853		ENSG00000175860
14	49537453	49537792	49537631	14	16	10	1.481949798	0.147733		ENSG00000175860
14	49618433	49618785	49618609	12	18	2	6.073088389	0.000157975		ENSG00000168260
14	49849283	49849466	49849354	9	9	5	1.598181155	0.170911	ATP5S	ENSG00000125375
14	49857491	49857931	49857764	14	22	7	2.756862493	0.003684	ATP5S	ENSG00000125375
14	49983424	49983603	49983513	8	8	5	1.43836304	0.235762		ENSG00000201573
14	50069653	50069896	50069798	9	10	4	2.109599125	0.0694668	MAP4K5	ENSG00000012983
14	50082383	50082586	50082482	8	11	2	3.835634772	0.00800699	MAP4K5	ENSG00000012983
14	50136414	50137490	50136843	211	356	7	42.79130043	6.14E-93		ENSG00000223050
14	50250897	50251104	50250990	9	11	2	3.835634772	0.00800699	SAV1	ENSG00000151748
14	50299930	50300217	50300073	10	11	6	1.643843474	0.137712	NIN	ENSG00000100503
14	50310143	50310358	50310207	11	11	1	5.753452158	0.00215302	NIN	ENSG00000100503
14	50314276	50314615	50314444	8	11	5	1.917817386	0.0843804	NIN	ENSG00000100503
14	50365888	50366069	50365993	9	9	0	9.589086931	0.00120187	NIN	ENSG00000100503
14	50491763	50492495	50492009	16	39	9	3.835634772	8.88E-06	PYGL	ENSG00000100504
14	50659958	50660290	50660124	37	40	1	19.65762821	2.24E-11	TRIM9	ENSG00000100505
14	50819900	50820088	50819994	8	8	4	1.726035648	0.150596		ENSG00000201820
14	50873907	50874407	50874082	23	32	1	15.82199344	3.96E-09		ENSG00000201820
14	50878679	50878900	50878789	8	9	3	2.397271733	0.0539397		ENSG00000201820
14	50893786	50894049	50893917	10	13	1	6.712360851	0.000640982		ENSG00000201820
14	50931351	50932255	50932047	24	62	7	7.551405958	3.65E-12	FRMD6	ENSG00000139926
14	51069597	51070015	51069915	12	18	6	2.602752167	0.00970422	FRMD6	ENSG00000139926

14	51071299	51071666	51071506	9	15	4	3.068507818	0.0076507	FRMD6	ENSG00000139926
14	51081491	51081868	51081689	14	22	2	7.351633313	1.51E-05		ENSG00000223144
14	51101512	51101859	51101684	11	16	3	4.075361945	0.00173346		ENSG00000223144
14	51120599	51120839	51120753	8	10	1	5.273997812	0.00391723		ENSG00000223144
14	51129389	51129579	51129484	8	8	0	8.630178238	0.00235436		ENSG00000223144
14	51194563	51194968	51194799	8	14	4	2.876726079	0.01219	FRMD6	ENSG00000139926
14	51515960	51516154	51516057	8	9	0	9.589086931	0.00120187	C14orf166	ENSG00000087302
14	51525716	51525953	51525806	8	10	4	2.109599125	0.0694668	C14orf166	ENSG00000087302
14	51668298	51668552	51668425	10	10	5	1.757999271	0.121253	NID2	ENSG00000087303
14	52083655	52083834	52083789	8	8	2	2.876726079	0.0381137	TXNDC16	ENSG00000087301
14	52090336	52090526	52090390	8	8	0	8.630178238	0.00235436	GPR137C	ENSG00000180998
14	52237155	52237370	52237221	11	11	3	2.876726079	0.0213797	ERO1L	ENSG00000197930
14	52243227	52243841	52243406	10	23	7	2.876726079	0.00239423	PSMC6	ENSG00000100519
14	52244042	52244249	52244128	8	9	1	4.794543465	0.00708517	PSMC6	ENSG00000100519
14	52437157	52437464	52437305	12	14	7	1.797953799	0.0806593		ENSG00000214855
14	52552120	52552323	52552233	8	9	6	1.369869562	0.253675	FERMT2	ENSG00000073712
14	52688164	52688369	52688306	8	11	4	2.301380863	0.0459276	DDHD1	ENSG00000100523
14	52949302	52949646	52949474	22	24	2	7.990905775	4.56E-06		ENSG00000219652
14	53028124	53028320	53028255	12	12	5	2.077635502	0.0577144		ENSG00000219652
14	53091063	53091471	53091242	18	25	6	3.56166086	0.000408555		ENSG00000219652
14	53188641	53188890	53188765	9	9	3	2.397271733	0.0539397		ENSG00000219652
14	53466869	53467064	53466976	8	9	4	1.917817386	0.103282		ENSG00000220653
14	53479570	53479848	53479716	8	10	11	0.878999635	0.622439	BMP4	ENSG00000125378
14	53500219	53500431	53500340	8	11	5	1.917817386	0.0843804	BMP4	ENSG00000125378
14	53777648	53777827	53777758	8	9	1	4.794543465	0.00708517	CDKN3	ENSG00000100526
14	54025415	54025880	54025582	8	17	7	2.157544559	0.0276499	GMFB	ENSG00000197045
14	54045904	54046583	54046337	10	28	9	2.78083521	0.00127094	CGRRF1	ENSG00000100532
14	54108795	54109030	54108912	9	12	3	3.116453252	0.0131971	SAMD4A	ENSG00000020577
14	54228077	54228367	54228222	11	13	6	1.917817386	0.0693353	SAMD4A	ENSG00000020577
14	54309801	54310097	54309943	12	16	10	1.481949798	0.147733	SAMD4A	ENSG00000020577
14	54342441	54342707	54342574	9	11	4	2.301380863	0.0459276	SAMD4A	ENSG00000020577
14	54439421	54439960	54439800	13	25	6	3.56166086	0.000408555	GCH1	ENSG00000131979
14	54563060	54564136	54563646	12	46	22	1.959509068	0.00304329	SOCS4	ENSG00000180008
14	54587842	54588249	54587925	10	17	6	2.465765211	0.014729	MAPK1IP1L	ENSG00000168175

14	54625944	54626286	54626123	8	12	1	6.232906505	0.00117736	MAPK1IP1L	ENSG00000168175
14	54727619	54728046	54727854	10	19	13	1.369869562	0.177863	DLGAP5	ENSG00000126787
14	54728092	54728322	54728197	11	13	2	4.474907234	0.00269459	DLGAP5	ENSG00000126787
14	54749211	54749514	54749362	9	12	2	4.155271003	0.0046638	UBE2L7P	ENSG00000131982
14	54807587	54807849	54807718	13	16	2	5.433815927	0.000499302	FBXO34	ENSG00000178974
14	54963883	54964225	54964050	9	13	8	1.491635745	0.166708	TBPL2	ENSG00000182521
14	54966521	54966805	54966642	9	11	2	3.835634772	0.00800699	TBPL2	ENSG00000182521
14	54974696	54974888	54974792	11	11	8	1.278544924	0.28289	TBPL2	ENSG00000182521
14	54982581	54982949	54982808	8	13	7	1.678090213	0.11195	TBPL2	ENSG00000182521
14	54984552	54984975	54984719	15	22	6	3.150699991	0.00166398	TBPL2	ENSG00000182521
14	55000034	55000281	55000143	8	9	1	4.794543465	0.00708517	TBPL2	ENSG00000182521
14	55010479	55010678	55010578	8	9	0	9.589086931	0.00120187	TBPL2	ENSG00000182521
14	55183058	55183237	55183087	8	8	10	0.784561658	0.708731		ENSG00000200742
14	55242167	55242458	55242312	10	14	4	2.876726079	0.01219		ENSG00000200742
14	55289520	55289888	55289716	13	18	6	2.602752167	0.00970422		ENSG00000177350
14	55290447	55290655	55290540	8	10	5	1.757999271	0.121253		ENSG00000177350
14	55339686	55340019	55339852	10	14	3	3.595907599	0.00486913		ENSG00000177350
14	55421206	55421475	55421340	12	13	4	2.684944341	0.01921		ENSG00000213622
14	55717993	55718173	55718021	8	9	0	9.589086931	0.00120187	PELI2	ENSG00000139946
14	55718245	55718549	55718371	8	12	5	2.077635502	0.0577144	PELI2	ENSG00000139946
14	55876543	55876845	55876688	9	10	13	0.753428259	0.762589	PELI2	ENSG00000139946
14	56092449	56092687	56092566	9	10	4	2.109599125	0.0694668	C14orf101	ENSG00000070269
14	56202592	56203377	56202965	72	114	3	27.56862493	8.43E-30	C14orf101	ENSG00000070269
14	56383856	56384185	56384020	8	12	6	1.78083043	0.0985525		ENSG00000200818
14	56410983	56411260	56411121	12	13	2	4.474907234	0.00269459		ENSG00000200818
14	56422991	56423256	56423123	10	13	6	1.917817386	0.0693353		ENSG00000200818
14	56448174	56448439	56448286	8	10	1	5.273997812	0.00391723		ENSG00000213618
14	56463622	56463829	56463689	9	10	2	3.515998541	0.0136204		ENSG00000213618
14	56594359	56594593	56594499	8	9	3	2.397271733	0.0539397		ENSG00000213618
14	56622530	56622820	56622675	9	12	1	6.232906505	0.00117736		ENSG00000213618
14	56793874	56794095	56793984	9	9	2	3.19636231	0.0229249	EXOC5	ENSG00000070367
14	56805486	56805776	56805631	10	13	8	1.491635745	0.166708	C14orf108	ENSG00000053770
14	56926853	56927111	56927000	9	10	6	1.506856518	0.188853	NAT12	ENSG00000139977
14	56935705	56935928	56935816	8	9	3	2.397271733	0.0539397	NAT12	ENSG00000139977

14	57037630	57038000	57037848	12	17	3	4.315089119	0.00102271	C14orf105	ENSG00000100557
14	57073614	57074390	57074153	15	37	4	7.287706067	5.74E-08	C14orf105	ENSG00000100557
14	57189702	57190001	57189851	9	10	3	2.636998906	0.034203	SLC35F4	ENSG00000151812
14	57347266	57347548	57347376	8	10	1	5.273997812	0.00391723		ENSG00000209817
14	57602660	57602911	57602785	12	13	0	13.4247217	8.16E-05	C14orf37	ENSG00000139971
14	57707447	57707982	57707725	10	22	10	2.004990904	0.023438		ENSG00000223002
14	57776314	57776544	57776444	12	15	10	1.394776281	0.191426	PSMA3	ENSG00000100567
14	57824606	57825113	57824915	15	26	0	25.89053471	1.31E-08		ENSG00000180189
14	57834189	57834722	57834444	11	22	8	2.450544438	0.0073921	ARID4A	ENSG00000032219
14	57834897	57835165	57835031	8	9	5	1.598181155	0.170911	ARID4A	ENSG00000032219
14	57963608	57964190	57964000	20	38	23	1.558226626	0.0403304	TIMM9	ENSG00000100575
14	57992413	57992623	57992483	9	11	4	2.301380863	0.0459276	KIAA0586	ENSG00000100578
14	58083807	58084059	58083964	9	10	2	3.515998541	0.0136204	DACT1	ENSG00000165617
14	58176384	58176691	58176540	9	13	1	6.712360851	0.000640982	DACT1	ENSG00000165617
14	58308601	58308793	58308697	8	8	2	2.876726079	0.0381137		ENSG00000221427
14	58345324	58345581	58345460	10	12	8	1.385090334	0.219216		ENSG00000213598
14	58448843	58449026	58448922	8	8	2	2.876726079	0.0381137		ENSG00000213597
14	58565116	58565355	58565237	8	9	0	9.589086931	0.00120187		ENSG00000214813
14	58781138	58781526	58781360	9	14	2	4.794543465	0.00154571	DAAM1	ENSG00000100592
14	58812311	58812690	58812511	8	15	1	7.671269544	0.000187863	DAAM1	ENSG00000100592
14	58814620	58814906	58814763	9	11	3	2.876726079	0.0213797	DAAM1	ENSG00000100592
14	58848161	58848380	58848306	14	15	2	5.114179696	0.00088103	DAAM1	ENSG00000100592
14	58897708	58897902	58897805	8	8	4	1.726035648	0.150596	DAAM1	ENSG00000100592
14	59019755	59020017	59019886	9	9	3	2.397271733	0.0539397	C14orf149	ENSG00000126790
14	59113378	59113565	59113401	8	8	5	1.43836304	0.235762	C14orf38	ENSG00000151838
14	59224068	59224494	59224280	20	31	3	7.671269544	3.82E-07	RTN1	ENSG00000139970
14	59224904	59225169	59225017	9	10	7	1.318499453	0.269217	RTN1	ENSG00000139970
14	59407452	59407671	59407598	8	11	2	3.835634772	0.00800699	RTN1	ENSG00000139970
14	59472093	59472388	59472231	19	22	1	11.02744997	2.36E-06	LRRC9	ENSG00000131951
14	59505770	59506141	59505981	12	17	3	4.315089119	0.00102271	LRRC9	ENSG00000131951
14	59627626	59627831	59627735	8	9	1	4.794543465	0.00708517	C14orf135	ENSG00000126773
14	59628085	59628342	59628190	11	13	8	1.491635745	0.166708	C14orf135	ENSG00000126773
14	59629177	59629446	59629287	10	13	1	6.712360851	0.000640982	C14orf135	ENSG00000126773
14	59715949	59716202	59716075	8	11	1	5.753452158	0.00215302	DHRS7	ENSG00000100612

14	59720678	59720879	59720837	8	10	4	2.109599125	0.0694668	DHRS7	ENSG00000100612
14	59751875	59752262	59752134	8	15	4	3.068507818	0.0076507	PPM1A	ENSG00000100614
14	59867666	59867913	59867789	8	12	1	6.232906505	0.00117736	PPM1A	ENSG00000100614
14	60153147	60153589	60153308	11	19	13	1.369869562	0.177863	SIX1	ENSG00000126778
14	60258580	60258891	60258746	8	11	7	1.43836304	0.204844	SIX4	ENSG00000100625
14	60271022	60271388	60271201	18	25	4	4.986325204	4.72E-05	MNAT1	ENSG00000020426
14	60398748	60399150	60398994	14	20	5	3.356180426	0.0017534		ENSG00000214775
14	60415623	60416003	60415824	18	25	5	4.155271003	0.000149583		ENSG00000214775
14	60517569	60517786	60517677	9	10	2	3.515998541	0.0136204	SLC38A6	ENSG00000139974
14	60561786	60561975	60561880	10	10	3	2.636998906	0.034203	SLC38A6	ENSG00000139974
14	60662211	60662697	60662417	29	41	1	20.13708255	1.17E-11	SLC38A6	ENSG00000139974
14	60892385	60892748	60892581	20	26	8	2.876726079	0.00140919	PRKCH	ENSG00000027075
14	60924743	60924936	60924800	10	12	1	6.232906505	0.00117736	PRKCH	ENSG00000027075
14	60951282	60951588	60951418	10	12	6	1.78083043	0.0985525	PRKCH	ENSG00000027075
14	60975285	60975584	60975445	11	13	7	1.678090213	0.11195	PRKCH	ENSG00000027075
14	61060284	61060564	61060409	12	13	3	3.356180426	0.00805599	HIF1A	ENSG00000100644
14	61061512	61062120	61061941	11	23	5	3.835634772	0.000408054	HIF1A	ENSG00000100644
14	61073994	61074368	61074148	12	18	5	3.036544195	0.0044641	HIF1A	ENSG00000100644
14	61123681	61123874	61123777	8	10	0	10.54799562	0.000613541	HIF1A	ENSG00000100644
14	61231461	61231680	61231604	8	9	13	0.684934781	0.824961	HIF1A	ENSG00000100644
14	61232706	61232957	61232784	9	12	7	1.558226626	0.152813	HIF1A	ENSG00000100644
14	61299054	61299262	61299156	8	10	4	2.109599125	0.0694668	SNAPC1	ENSG00000023608
14	61374187	61374395	61374291	10	10	7	1.318499453	0.269217		ENSG00000213572
14	61430151	61430333	61430243	8	9	1	4.794543465	0.00708517		ENSG00000213572
14	61501498	61501832	61501672	18	21	2	7.031997082	2.73E-05	SYT16	ENSG00000139973
14	61699574	61699778	61699676	8	9	2	3.19636231	0.0229249		ENSG00000186369
14	61914595	61914920	61914757	9	12	4	2.493162602	0.0299057		ENSG00000186369
14	62228482	62229006	62228835	62	75	0	72.87706067	6.41E-23	KCNH5	ENSG00000140015
14	62271333	62271658	62271495	21	25	1	12.46581301	3.51E-07	KCNH5	ENSG00000140015
14	62711263	62711457	62711351	8	8	4	1.726035648	0.150596	RHOJ	ENSG00000126785
14	63007522	63008031	63007686	10	17	2	5.753452158	0.000281509		ENSG00000221675
14	63041145	63041386	63041247	13	15	3	3.835634772	0.00291691		ENSG00000221675
14	63101928	63102232	63102067	12	15	0	15.34253909	2.13E-05		ENSG00000205767
14	63178057	63178310	63178192	8	11	4	2.301380863	0.0459276	WDR89	ENSG00000140006

14	63214353	63214832	63214550	16	31	13	2.191791298	0.00499072		ENSG00000209942
14	63225608	63225961	63225795	12	16	3	4.075361945	0.00173346		ENSG00000209942
14	63264792	63265031	63264911	8	10	2	3.515998541	0.0136204	SGPP1	ENSG00000126821
14	63309814	63310624	63310196	135	176	5	28.28780645	9.38E-45	SGPP1	ENSG00000126821
14	63390521	63390918	63390698	10	17	6	2.465765211	0.014729	SYNE2	ENSG00000054654
14	63400742	63401056	63400899	11	13	6	1.917817386	0.0693353	SYNE2	ENSG00000054654
14	63432932	63433120	63433026	8	11	3	2.876726079	0.0213797	SYNE2	ENSG00000054654
14	63596949	63597339	63597163	38	46	5	7.511451429	1.54E-09	SYNE2	ENSG00000054654
14	63598198	63598434	63598316	10	10	3	2.636998906	0.034203	SYNE2	ENSG00000054654
14	63874194	63874558	63874373	8	13	9	1.34247217	0.232231	ESR2	ENSG00000140009
14	63875279	63875683	63875515	11	16	8	1.811271976	0.0663685		ENSG00000214770
14	63925501	63925752	63925626	9	11	3	2.876726079	0.0213797	MTHFD1	ENSG00000100714
14	64041581	64042060	64041820	11	22	10	2.004990904	0.023438	ZBTB1	ENSG00000126804
14	64047593	64047815	64047699	8	11	9	1.150690432	0.367789	ZBTB1	ENSG00000126804
14	64051655	64051834	64051744	8	8	5	1.43836304	0.235762	ZBTB1	ENSG00000126804
14	64076944	64077252	64077033	8	13	5	2.237453617	0.038866	HSPA2	ENSG00000126803
14	64207975	64208294	64208134	10	15	6	2.191791298	0.0328001	PLEKHG3	ENSG00000126822
14	64216762	64217025	64216897	9	11	2	3.835634772	0.00800699	PLEKHG3	ENSG00000126822
14	64228646	64229035	64228856	21	28	3	6.952088025	2.20E-06	PLEKHG3	ENSG00000126822
14	64229500	64229699	64229550	9	9	1	4.794543465	0.00708517	PLEKHG3	ENSG00000126822
14	64326244	64326504	64326367	9	10	2	3.515998541	0.0136204	SPTB	ENSG00000070182
14	64473159	64473460	64473287	9	11	4	2.301380863	0.0459276	GPX2	ENSG00000176153
14	64503435	64503806	64503634	12	18	8	2.024362796	0.0334397	RAB15	ENSG00000139998
14	64523003	64523309	64523156	10	13	7	1.678090213	0.11195	FNTB	ENSG00000125954
14	64523318	64523655	64523411	13	17	6	2.465765211	0.014729	FNTB	ENSG00000125954
14	64541966	64542296	64542126	63	68	2	22.05489994	4.35E-18	FNTB	ENSG00000125954
14	64556410	64556769	64556589	10	17	14	1.150690432	0.340986	FNTB	ENSG00000125954
14	64606907	64607128	64607057	10	10	2	3.515998541	0.0136204	MAX	ENSG00000125952
14	64639259	64639631	64639467	8	14	7	1.797953799	0.0806593	MAX	ENSG00000125952
14	64674373	64674587	64674466	8	8	1	4.315089119	0.0127267		ENSG00000222985
14	64758925	64759134	64759005	9	10	7	1.318499453	0.269217		ENSG00000214760
14	64763132	64763653	64763485	22	38	13	2.671245645	0.000355791		ENSG00000214760
14	64791499	64791761	64791613	11	11	4	2.301380863	0.0459276		ENSG00000214760
14	64791825	64792033	64791929	8	8	6	1.232882605	0.333038		ENSG00000214760

14	64792114	64792430	64792257	18	22	7	2.756862493	0.003684		ENSG00000214760
14	64892906	64893111	64893000	8	8	2	2.876726079	0.0381137	FUT8	ENSG00000033170
14	64948605	64948941	64948773	9	14	10	1.307602763	0.244096	FUT8	ENSG00000033170
14	65103202	65103402	65103302	9	9	0	9.589086931	0.00120187	FUT8	ENSG00000033170
14	65111198	65111424	65111311	8	8	0	8.630178238	0.00235436	FUT8	ENSG00000033170
14	65130603	65130820	65130726	9	10	10	0.958908693	0.538751	FUT8	ENSG00000033170
14	65218316	65218517	65218414	9	9	0	9.589086931	0.00120187	FUT8	ENSG00000033170
14	65550632	65550968	65550800	16	21	2	7.031997082	2.73E-05		ENSG00000197907
14	65551953	65552279	65552143	11	15	1	7.671269544	0.000187863		ENSG00000197907
14	65617328	65617511	65617445	8	8	1	4.315089119	0.0127267		ENSG00000197907
14	65640948	65641359	65641116	37	47	3	11.50690432	2.51E-11		ENSG00000200860
14	65654135	65654378	65654256	9	12	5	2.077635502	0.0577144		ENSG00000200860
14	66039945	66040360	66040188	42	52	1	25.41108037	8.99E-15	GPHN	ENSG00000171723
14	66044500	66044713	66044563	8	10	6	1.506856518	0.188853	GPHN	ENSG00000171723
14	66146551	66146880	66146716	8	13	5	2.237453617	0.038866	GPHN	ENSG00000171723
14	66468614	66469512	66469258	331	463	4	88.98672672	3.66E-128	FAM71D	ENSG00000172717
14	66469697	66469907	66469826	10	11	2	3.835634772	0.00800699	FAM71D	ENSG00000172717
14	66769164	66769393	66769300	8	9	5	1.598181155	0.170911	MPP5	ENSG00000072415
14	66896475	66897235	66896654	10	30	11	2.47718079	0.00221867	EIF2S1	ENSG00000134001
14	66963696	66963911	66963760	10	10	7	1.318499453	0.269217	PLEK2	ENSG00000100558
14	66964109	66964351	66964216	8	9	5	1.598181155	0.170911	PLEK2	ENSG00000100558
14	66977098	66977432	66977265	17	20	6	2.876726079	0.00408924	PLEK2	ENSG00000100558
14	67014269	67015395	67014661	89	144	22	6.045293934	1.34E-22	C14orf83	ENSG00000198133
14	67016466	67016912	67016740	14	22	16	1.297347055	0.203559	C14orf83	ENSG00000198133
14	67063344	67063608	67063513	8	10	3	2.636998906	0.034203	PLEKHH1	ENSG00000054690
14	67155974	67156161	67156105	8	8	8	0.958908693	0.534974	ARG2	ENSG00000081181
14	67241015	67241228	67241106	9	11	6	1.643843474	0.137712		ENSG00000222857
14	67373614	67373875	67373744	10	10	3	2.636998906	0.034203	RAD51L1	ENSG00000182185
14	67470481	67470730	67470605	11	12	4	2.493162602	0.0299057	RAD51L1	ENSG00000182185
14	67480450	67480755	67480598	11	14	6	2.054804342	0.0480281	RAD51L1	ENSG00000182185
14	67514908	67515140	67515044	8	10	3	2.636998906	0.034203	RAD51L1	ENSG00000182185
14	67674083	67674730	67674475	21	40	7	4.914407052	6.35E-07		ENSG00000210045
14	67748829	67749066	67748947	8	9	2	3.19636231	0.0229249		ENSG00000210054
14	67769142	67769329	67769222	11	11	4	2.301380863	0.0459276		ENSG00000210054

14	67777466	67777672	67777569	8	9	6	1.369869562	0.253675		ENSG00000210054
14	67782384	67782578	67782491	8	9	0	9.589086931	0.00120187		ENSG00000210054
14	67844086	67844292	67844189	8	9	3	2.397271733	0.0539397		ENSG00000219350
14	67934298	67934554	67934426	10	13	3	3.356180426	0.00805599		ENSG00000213482
14	68005264	68005446	68005354	8	9	7	1.198635866	0.346278		ENSG00000213482
14	68106765	68107083	68106924	9	11	3	2.876726079	0.0213797		ENSG00000213482
14	68205698	68205985	68205861	10	13	7	1.678090213	0.11195		ENSG00000207089
14	68252119	68252338	68252228	9	10	3	2.636998906	0.034203		ENSG00000207089
14	68311233	68311439	68311336	8	8	4	1.726035648	0.150596	ZFP36L1	ENSG00000185650
14	68328161	68329083	68328424	25	49	8	5.327270517	1.89E-08	ZFP36L1	ENSG00000185650
14	68329854	68330074	68329987	9	12	2	4.155271003	0.0046638	ZFP36L1	ENSG00000185650
14	68332911	68333127	68333011	8	10	2	3.515998541	0.0136204	C14orf181	ENSG00000221899
14	68361340	68361556	68361461	10	11	11	0.958908693	0.540507	C14orf181	ENSG00000221899
14	68376831	68377105	68376936	13	15	3	3.835634772	0.00291691		ENSG00000214730
14	68399702	68399953	68399827	10	14	4	2.876726079	0.01219		ENSG00000214730
14	68524724	68525335	68524933	23	40	0	39.31525642	1.07E-12	ACTN1	ENSG00000072110
14	68642916	68643167	68643044	10	12	1	6.232906505	0.00117736		ENSG00000206768
14	68643967	68644162	68644047	8	9	4	1.917817386	0.103282		ENSG00000206768
14	68665806	68666086	68665946	9	11	10	1.046082211	0.455063		ENSG00000206768
14	68687772	68687959	68687856	10	10	3	2.636998906	0.034203	WDR22	ENSG00000139990
14	68688301	68688480	68688393	8	8	1	4.315089119	0.0127267	WDR22	ENSG00000139990
14	68727809	68728277	68727966	16	22	8	2.450544438	0.0073921	EXDL2	ENSG00000081177
14	68750548	68750727	68750637	8	8	2	2.876726079	0.0381137	EXDL2	ENSG00000081177
14	68887920	68888116	68888020	9	11	0	11.50690432	0.000313206	ERH	ENSG00000100632
14	68893667	68893951	68893791	11	15	14	1.022835939	0.473606	ERH	ENSG00000100632
14	68893959	68894291	68894160	10	14	14	0.958908693	0.545362	ERH	ENSG00000100632
14	68934705	68934936	68934820	8	10	7	1.318499453	0.269217	ERH	ENSG00000100632
14	68935009	68935264	68935130	9	10	9	1.054799562	0.4492	SLC39A9	ENSG00000029364
14	68935773	68935964	68935868	8	8	4	1.726035648	0.150596	SLC39A9	ENSG00000029364
14	68964150	68964438	68964296	24	25	3	6.232906505	1.23E-05	SLC39A9	ENSG00000029364
14	68996611	68996853	68996732	11	13	3	3.356180426	0.00805599		ENSG00000175985
14	69149227	69149672	69149468	63	79	7	9.589086931	1.88E-16	KIAA0247	ENSG00000100647
14	69149708	69150009	69149874	10	12	6	1.78083043	0.0985525	KIAA0247	ENSG00000100647
14	69179890	69180368	69180064	11	20	2	6.712360851	4.91E-05	KIAA0247	ENSG00000100647

14	69181011	69181236	69181139	8	8	2	2.876726079	0.0381137	KIAA0247	ENSG00000100647
14	69188287	69188466	69188376	8	8	0	8.630178238	0.00235436	KIAA0247	ENSG00000100647
14	69199556	69199779	69199642	8	12	7	1.558226626	0.152813	KIAA0247	ENSG00000100647
14	69249227	69250144	69249765	56	95	12	7.081171887	5.60E-17	SFRS5	ENSG00000100650
14	69303470	69303831	69303610	9	15	13	1.095895649	0.398774	SFRS5	ENSG00000100650
14	69452826	69453005	69452910	8	8	1	4.315089119	0.0127267	SMOC1	ENSG00000198732
14	69534350	69534693	69534521	24	30	8	3.302907721	0.000239229		ENSG00000210090
14	69535776	69536316	69535983	72	99	6	13.69869562	1.57E-22		ENSG00000210090
14	69547500	69548040	69547759	90	121	4	23.39737211	1.41E-30		ENSG00000210090
14	69854397	69854621	69854526	10	11	4	2.301380863	0.0459276	COX16	ENSG00000133983
14	69895978	69896376	69896155	14	21	12	1.622768557	0.076896	COX16	ENSG00000133983
14	69983634	69984190	69983898	49	67	0	65.20579113	1.39E-20		ENSG00000213462
14	70137016	70137223	70137090	9	9	3	2.397271733	0.0539397	MED6	ENSG00000133997
14	70201927	70202199	70202075	10	11	8	1.278544924	0.28289	TTC9	ENSG00000133985
14	70292046	70292260	70292128	8	8	0	8.630178238	0.00235436	MAP3K9	ENSG00000006432
14	70401508	70401935	70401693	50	68	1	33.08234991	2.47E-19	PCNX	ENSG00000100731
14	70408893	70409329	70409158	13	19	1	9.589086931	1.56E-05	PCNX	ENSG00000100731
14	70445147	70445368	70445246	8	9	8	1.065454103	0.442605	PCNX	ENSG00000100731
14	70585072	70585252	70585160	8	8	7	1.07877228	0.435076	PCNX	ENSG00000100731
14	70612714	70613374	70613149	69	102	6	14.10965648	2.48E-23	PCNX	ENSG00000100731
14	70703036	70703246	70703143	9	10	6	1.506856518	0.188853		ENSG00000207444
14	70856563	70857091	70856742	9	18	5	3.036544195	0.0044641		ENSG00000207444
14	70858338	70858767	70858666	10	19	2	6.39272462	8.83E-05		ENSG00000207444
14	70859207	70859414	70859310	9	10	4	2.109599125	0.0694668		ENSG00000207444
14	70937233	70937443	70937347	8	8	6	1.232882605	0.333038		ENSG00000207444
14	70940189	70940399	70940258	8	8	7	1.07877228	0.435076		ENSG00000207444
14	71008297	71008753	71008458	13	22	10	2.004990904	0.023438		ENSG00000210153
14	71019701	71019880	71019790	8	8	4	1.726035648	0.150596		ENSG00000210153
14	71100422	71100777	71100599	20	26	6	3.698647816	0.00025253	SIPA1L1	ENSG00000197555
14	71175340	71175553	71175446	12	13	1	6.712360851	0.000640982	SIPA1L1	ENSG00000197555
14	71183546	71183816	71183681	8	11	11	0.958908693	0.540507	SIPA1L1	ENSG00000197555
14	71222529	71222716	71222657	8	8	1	4.315089119	0.0127267	SIPA1L1	ENSG00000197555
14	71250246	71250425	71250270	8	8	1	4.315089119	0.0127267	SIPA1L1	ENSG00000197555
14	71257386	71257809	71257597	10	18	1	9.109632584	2.91E-05	SIPA1L1	ENSG00000197555

14	71289515	71289880	71289694	14	21	10	1.917817386	0.0328292	RGS6	ENSG00000182732
14	71310350	71310880	71310663	76	110	2	35.47962164	5.96E-30	RGS6	ENSG00000182732
14	71322609	71322931	71322770	24	27	1	13.4247217	9.80E-08	RGS6	ENSG00000182732
14	71335484	71335735	71335570	8	11	5	1.917817386	0.0843804	RGS6	ENSG00000182732
14	71340173	71340719	71340402	10	22	9	2.205489994	0.0136443	RGS6	ENSG00000182732
14	71560140	71560364	71560203	8	10	5	1.757999271	0.121253		ENSG00000200298
14	71940482	71940872	71940743	16	20	3	5.034270639	0.000202317	DPF3	ENSG00000205683
14	71953398	71953756	71953603	8	13	3	3.356180426	0.00805599	DPF3	ENSG00000205683
14	71990867	71991084	71990974	8	8	6	1.232882605	0.333038	DPF3	ENSG00000205683
14	72053562	72053752	72053616	9	9	6	1.369869562	0.253675	DPF3	ENSG00000205683
14	72203117	72203328	72203222	10	10	4	2.109599125	0.0694668	DPF3	ENSG00000205683
14	72424530	72424728	72424629	9	10	4	2.109599125	0.0694668	DPF3	ENSG00000205683
14	72441452	72441731	72441611	14	18	3	4.554816292	0.000599415	DPF3	ENSG00000205683
14	72460786	72461167	72460965	14	23	2	7.671269544	8.30E-06	WDR21A	ENSG00000119599
14	72562519	72562833	72562684	9	10	5	1.757999271	0.121253	ZFYVE1	ENSG00000165861
14	72563530	72563957	72563778	9	18	1	9.109632584	2.91E-05	ZFYVE1	ENSG00000165861
14	72594584	72595031	72594863	12	21	8	2.343999027	0.0109478	RBM25	ENSG00000119707
14	72595535	72595815	72595687	11	12	6	1.78083043	0.0985525	RBM25	ENSG00000119707
14	72831436	72831624	72831530	8	8	2	2.876726079	0.0381137	PAPLN	ENSG00000100767
14	72969029	72969261	72969128	10	11	2	3.835634772	0.00800699		ENSG00000221236
14	72995123	72995387	72995237	9	13	9	1.34247217	0.232231		ENSG00000221236
14	73008660	73008870	73008765	8	8	7	1.07877228	0.435076		ENSG00000170468
14	73063084	73063340	73063201	16	18	6	2.602752167	0.00970422	ACOT1	ENSG00000184227
14	73198910	73199188	73199049	10	12	10	1.133255728	0.37674	DNAL1	ENSG00000119661
14	73265118	73265387	73265213	10	13	3	3.356180426	0.00805599		ENSG00000183700
14	73277209	73277522	73277365	8	12	6	1.78083043	0.0985525	C14orf43	ENSG00000156030
14	73289055	73289392	73289223	9	14	6	2.054804342	0.0480281	C14orf43	ENSG00000156030
14	73387674	73388644	73387960	9	32	7	3.955498359	3.65E-05	PTGR2	ENSG00000140043
14	73423851	73424061	73423913	8	9	5	1.598181155	0.170911	ZNF410	ENSG00000119725
14	73486397	73486624	73486530	8	9	5	1.598181155	0.170911	FAM161B	ENSG00000156050
14	73541501	73541733	73541613	9	10	3	2.636998906	0.034203	ENTPD5	ENSG00000187097
14	73554949	73555151	73555060	8	10	4	2.109599125	0.0694668	C14orf45	ENSG00000119636
14	73620658	73621022	73620855	10	14	8	1.598181155	0.124586	ALDH6A1	ENSG00000119711
14	73685314	73685560	73685454	9	10	2	3.515998541	0.0136204		ENSG00000210266

14	73787903	73788232	73788067	14	19	7	2.397271733	0.0127287	VSX2	ENSG00000119614
14	73838859	73839051	73838959	8	9	1	4.794543465	0.00708517	ABCD4	ENSG00000119688
14	73839380	73839666	73839517	8	12	10	1.133255728	0.37674	ABCD4	ENSG00000119688
14	73839675	73839854	73839730	8	8	1	4.315089119	0.0127267	ABCD4	ENSG00000119688
14	73898865	73899090	73898934	9	11	6	1.643843474	0.137712	C14orf115	ENSG00000133980
14	74029620	74029915	74029775	11	14	3	3.595907599	0.00486913	NPC2	ENSG00000119655
14	74038561	74038906	74038733	8	13	4	2.684944341	0.01921	ISCA2	ENSG00000165898
14	74106707	74106911	74106809	8	10	1	5.273997812	0.00391723	LTBP2	ENSG00000119681
14	74146174	74146421	74146321	9	9	0	9.589086931	0.00120187	LTBP2	ENSG00000119681
14	74249150	74249728	74249329	11	26	17	1.43836304	0.111326		ENSG00000214670
14	74299435	74299754	74299594	17	19	3	4.794543465	0.000349205	YLPM1	ENSG00000119596
14	74418871	74419078	74418974	8	8	6	1.232882605	0.333038	DLSTP	ENSG00000119689
14	74447990	74448202	74448111	8	10	1	5.273997812	0.00391723	RPS6KL1	ENSG00000198208
14	74481700	74482002	74481874	11	14	5	2.397271733	0.0258078	PGF	ENSG00000119630
14	74482181	74482423	74482292	8	11	3	2.876726079	0.0213797	PGF	ENSG00000119630
14	74483185	74483623	74483446	15	24	6	3.424673904	0.000656885	PGF	ENSG00000119630
14	74489229	74489462	74489319	9	12	1	6.232906505	0.00117736	PGF	ENSG00000119630
14	74489495	74489840	74489670	34	39	2	12.78544924	4.53E-10	PGF	ENSG00000119630
14	74521212	74521394	74521303	8	8	1	4.315089119	0.0127267	EIF2B2	ENSG00000119718
14	74538812	74539101	74538947	10	12	1	6.232906505	0.00117736	EIF2B2	ENSG00000119718
14	74539176	74539382	74539279	9	10	5	1.757999271	0.121253	EIF2B2	ENSG00000119718
14	74620915	74621373	74621209	17	24	5	3.995452888	0.00024777	FAM164C	ENSG00000119703
14	74656975	74657243	74657113	8	10	6	1.506856518	0.188853	NEK9	ENSG00000119638
14	74713373	74713684	74713528	10	11	9	1.150690432	0.367789	TMED10	ENSG00000170348
14	74737028	74737412	74737207	20	26	17	1.43836304	0.111326		ENSG00000210276
14	74758305	74758596	74758448	9	12	0	12.46581301	0.000159888		ENSG00000210276
14	74791484	74791736	74791626	12	14	12	1.106433107	0.392094	FOS	ENSG00000170345
14	74796439	74796737	74796588	10	12	9	1.246581301	0.295061	FOS	ENSG00000170345
14	74800611	74800879	74800745	14	15	9	1.534253909	0.136498	FOS	ENSG00000170345
14	74814164	74814517	74814321	9	13	7	1.678090213	0.11195	FOS	ENSG00000170345
14	74840039	74840239	74840122	8	9	7	1.198635866	0.346278		ENSG00000119660
14	74844340	74844526	74844400	9	11	3	2.876726079	0.0213797		ENSG00000119660
14	75057652	75057902	75057777	9	13	8	1.491635745	0.166708	BATF	ENSG00000156127
14	75071979	75072360	75072150	12	18	5	3.036544195	0.0044641	BATF	ENSG00000156127

14	75090803	75091023	75090920	9	11	3	2.876726079	0.0213797	FLVCR2	ENSG00000119686
14	75113690	75114370	75114076	13	28	9	2.78083521	0.00127094	FLVCR2	ENSG00000119686
14	75171018	75171353	75171191	16	20	3	5.034270639	0.000202317	C14orf1	ENSG00000133935
14	75197236	75197593	75197414	11	17	6	2.465765211	0.014729	TTLL5	ENSG00000119685
14	75213934	75214204	75214071	10	13	5	2.237453617	0.038866	TTLL5	ENSG00000119685
14	75521750	75522069	75521917	8	12	3	3.116453252	0.0131971	C14orf179	ENSG00000119650
14	75586909	75587318	75587146	10	16	4	3.260289556	0.00475414	C14orf179	ENSG00000119650
14	75630948	75631261	75631099	8	11	3	2.876726079	0.0213797	C14orf118	ENSG00000089916
14	75916142	75916378	75916266	8	9	2	3.19636231	0.0229249	ESRRB	ENSG00000119715
14	75923321	75923535	75923454	11	13	5	2.237453617	0.038866	ESRRB	ENSG00000119715
14	75929961	75930272	75930116	11	16	2	5.433815927	0.000499302	ESRRB	ENSG00000119715
14	76033973	76034286	76034129	8	10	2	3.515998541	0.0136204		ENSG00000203517
14	76244889	76245119	76245000	8	9	2	3.19636231	0.0229249	VASH1	ENSG00000071246
14	76306997	76307189	76307093	8	9	4	1.917817386	0.103282	VASH1	ENSG00000071246
14	76320796	76321173	76320947	10	17	7	2.157544559	0.0276499	VASH1	ENSG00000071246
14	76348970	76349284	76349106	9	12	10	1.133255728	0.37674	ANGEL1	ENSG00000013523
14	76440823	76441018	76440920	8	9	3	2.397271733	0.0539397		ENSG00000210304
14	76441114	76441444	76441279	14	19	2	6.39272462	8.83E-05		ENSG00000210304
14	76449494	76449855	76449665	10	16	9	1.630144778	0.102169		ENSG00000210304
14	76454810	76455170	76454979	15	21	3	5.273997812	0.00011662		ENSG00000210304
14	76474266	76474577	76474427	11	14	5	2.397271733	0.0258078		ENSG00000214657
14	76492802	76493180	76493011	9	13	3	3.356180426	0.00805599		ENSG00000214657
14	76495352	76495763	76495556	30	40	6	5.616465202	1.84E-07		ENSG00000214657
14	76497626	76497910	76497768	9	11	6	1.643843474	0.137712		ENSG00000214657
14	76497978	76498230	76498092	9	10	6	1.506856518	0.188853		ENSG00000214657
14	76543674	76543925	76543821	8	11	6	1.643843474	0.137712	C14orf4	ENSG00000119669
14	76543941	76544365	76544120	14	23	14	1.534253909	0.0910901	C14orf4	ENSG00000119669
14	76550196	76550431	76550313	8	10	2	3.515998541	0.0136204	C14orf4	ENSG00000119669
14	76551564	76551799	76551728	9	12	3	3.116453252	0.0131971	C14orf4	ENSG00000119669
14	76564825	76565212	76564984	12	19	13	1.369869562	0.177863	C14orf4	ENSG00000119669
14	76565384	76565592	76565488	9	11	0	11.50690432	0.000313206	C14orf4	ENSG00000119669
14	76569182	76569721	76569544	17	31	15	1.917817386	0.0135562	C14orf4	ENSG00000119669
14	76570300	76570651	76570464	12	17	11	1.43836304	0.15834	C14orf4	ENSG00000119669
14	76582854	76583195	76583024	8	13	8	1.491635745	0.166708	C14orf4	ENSG00000119669

14	76589292	76589889	76589600	10	22	9	2.205489994	0.0136443	C14orf4	ENSG00000119669
14	76606698	76606904	76606851	8	9	5	1.598181155	0.170911	KIAA1737	ENSG00000198894
14	76624389	76624714	76624551	25	30	14	1.981744632	0.0116992	KIAA1737	ENSG00000198894
14	76629656	76629862	76629759	8	8	3	2.157544559	0.0836802	KIAA1737	ENSG00000198894
14	76630901	76631116	76631008	10	10	8	1.171999514	0.35773	KIAA1737	ENSG00000198894
14	76634066	76634374	76634220	8	13	11	1.118726809	0.38479	KIAA1737	ENSG00000198894
14	76670018	76670351	76670184	14	18	3	4.554816292	0.000599415	ZDHHC22	ENSG00000177108
14	76688454	76688695	76688588	8	10	4	2.109599125	0.0694668	ZDHHC22	ENSG00000177108
14	76717568	76717892	76717738	9	12	4	2.493162602	0.0299057	TMEM63C	ENSG00000165548
14	76718941	76719120	76718956	8	9	0	9.589086931	0.00120187	TMEM63C	ENSG00000165548
14	76782590	76782846	76782765	10	12	0	12.46581301	0.000159888		ENSG00000221754
14	76839872	76840098	76839985	13	14	3	3.595907599	0.00486913	GSTZ1	ENSG00000100577
14	76850132	76850424	76850278	17	19	7	2.397271733	0.0127287	GSTZ1	ENSG00000100577
14	76878682	76878930	76878806	9	10	2	3.515998541	0.0136204	GSTZ1	ENSG00000100577
14	76993491	76993737	76993614	8	9	3	2.397271733	0.0539397	C14orf133	ENSG00000151445
14	76993886	76994134	76994024	9	12	5	2.077635502	0.0577144	AHSA1	ENSG00000100591
14	77235669	77235930	77235799	11	13	3	3.356180426	0.00805599	ALKBH1	ENSG00000100601
14	77243398	77243703	77243550	12	17	3	4.315089119	0.00102271	ALKBH1	ENSG00000100601
14	77335965	77336217	77336101	10	11	1	5.753452158	0.00215302	ADCK1	ENSG00000063761
14	77340669	77340955	77340794	8	11	3	2.876726079	0.0213797	ADCK1	ENSG00000063761
14	77671488	77671879	77671667	22	29	1	14.3836304	2.72E-08		ENSG00000199454
14	77763868	77764161	77764014	8	11	4	2.301380863	0.0459276	NRXN3	ENSG00000021645
14	77984625	77984929	77984824	8	12	7	1.558226626	0.152813		ENSG00000205585
14	78134363	78134553	78134521	8	10	0	10.54799562	0.000613541		ENSG00000221178
14	78172145	78172360	78172298	8	9	1	4.794543465	0.00708517	NRXN3	ENSG00000021645
14	78239218	78239407	78239312	9	9	3	2.397271733	0.0539397	NRXN3	ENSG00000021645
14	78280784	78281068	78280904	15	18	1	9.109632584	2.91E-05	NRXN3	ENSG00000021645
14	78373039	78373269	78373156	10	12	2	4.155271003	0.0046638	NRXN3	ENSG00000021645
14	78384279	78384598	78384438	9	14	1	7.191815198	0.00034761	NRXN3	ENSG00000021645
14	78404537	78404726	78404631	8	8	3	2.157544559	0.0836802	NRXN3	ENSG00000021645
14	78427986	78428297	78428141	13	17	5	2.876726079	0.00703033	NRXN3	ENSG00000021645
14	78438173	78438363	78438221	9	9	1	4.794543465	0.00708517	NRXN3	ENSG00000021645
14	78495952	78496245	78496049	9	13	2	4.474907234	0.00269459	NRXN3	ENSG00000021645
14	78576792	78577221	78576971	35	45	3	11.02744997	8.54E-11	NRXN3	ENSG00000021645

14	78581437	78581732	78581573	17	21	2	7.031997082	2.73E-05	NRXN3	ENSG00000021645
14	78627484	78627686	78627585	9	10	1	5.273997812	0.00391723	NRXN3	ENSG00000021645
14	78695395	78696310	78695963	50	105	4	20.32886429	3.84E-26	NRXN3	ENSG00000021645
14	78815736	78816002	78815854	8	11	8	1.278544924	0.28289	NRXN3	ENSG00000021645
14	78879147	78879370	78879258	11	12	4	2.493162602	0.0299057	NRXN3	ENSG00000021645
14	78905938	78906122	78906030	8	8	1	4.315089119	0.0127267	NRXN3	ENSG00000021645
14	79349985	79350256	79350118	15	15	2	5.114179696	0.00088103	DIO2	ENSG00000211448
14	79403439	79403748	79403612	8	10	4	2.109599125	0.0694668	DIO2	ENSG00000211448
14	79533922	79534260	79534085	8	11	10	1.046082211	0.455063	DIO2	ENSG00000211448
14	79539282	79539613	79539437	12	17	10	1.569123316	0.112309	DIO2	ENSG00000211448
14	80121174	80121489	80121341	8	11	6	1.643843474	0.137712	C14orf145	ENSG00000100629
14	80322231	80322481	80322339	8	9	2	3.19636231	0.0229249	C14orf145	ENSG00000100629
14	80477633	80478080	80477812	9	20	9	2.013708255	0.0279742	C14orf145	ENSG00000100629
14	80706443	80706911	80706618	13	23	15	1.43836304	0.12479		ENSG00000210351
14	80755488	80755776	80755632	9	13	7	1.678090213	0.11195	GTF2A1	ENSG00000165417
14	80835115	80835440	80835277	17	20	1	10.06854128	8.32E-06		ENSG00000205579
14	80907924	80908236	80908080	28	29	7	3.595907599	0.000155266	STON2	ENSG00000140022
14	80937072	80937312	80937192	9	11	0	11.50690432	0.000313206	STON2	ENSG00000140022
14	80989379	80989580	80989479	8	9	5	1.598181155	0.170911	SEL1L	ENSG00000071537
14	81542834	81543113	81542988	16	20	3	5.034270639	0.000202317		ENSG00000222877
14	82191976	82192199	82192096	10	10	2	3.515998541	0.0136204		ENSG00000213346
14	86133536	86133721	86133628	8	8	1	4.315089119	0.0127267		
14	86586191	86586394	86586292	9	9	3	2.397271733	0.0539397		
14	86750524	86750853	86750688	19	23	2	7.671269544	8.30E-06		
14	87307178	87307727	87307544	76	141	94	1.433316152	0.00300567	GALC	ENSG00000054983
14	87704735	87704941	87704809	9	9	4	1.917817386	0.103282	KCNK10	ENSG00000100433
14	87725573	87725861	87725726	10	14	5	2.397271733	0.0258078	KCNK10	ENSG00000100433
14	88004926	88005319	88005152	8	15	3	3.835634772	0.00291691		ENSG00000222990
14	88012459	88012754	88012606	9	10	2	3.515998541	0.0136204		ENSG00000222990
14	88024048	88024494	88024271	44	60	6	8.356204325	2.34E-12		ENSG00000222990
14	88096204	88096395	88096321	8	10	6	1.506856518	0.188853	ZC3H14	ENSG00000100722
14	88099591	88099881	88099736	8	11	4	2.301380863	0.0459276	ZC3H14	ENSG00000100722
14	88360494	88360683	88360571	8	9	5	1.598181155	0.170911	TTC8	ENSG00000165533
14	88404707	88404894	88404800	8	8	4	1.726035648	0.150596	TTC8	ENSG00000165533

14	88515159	88515467	88515305	12	15	7	1.917817386	0.0572317	TTC8	ENSG00000165533
14	88548221	88548493	88548357	9	11	4	2.301380863	0.0459276	TTC8	ENSG00000165533
14	88548932	88549112	88549022	8	9	9	0.958908693	0.536911	TTC8	ENSG00000165533
14	88576506	88576844	88576680	9	14	8	1.598181155	0.124586	TTC8	ENSG00000165533
14	88577118	88577383	88577256	10	12	2	4.155271003	0.0046638	TTC8	ENSG00000165533
14	88722418	88722895	88722569	10	18	5	3.036544195	0.0044641		ENSG00000214598
14	88750431	88750688	88750565	10	12	5	2.077635502	0.0577144		ENSG00000214598
14	88751653	88751989	88751821	10	16	3	4.075361945	0.00173346		ENSG00000214598
14	88964902	88965486	88965119	59	83	0	80.54833022	2.96E-25	FOXN3	ENSG00000053254
14	89145002	89145257	89145116	9	10	0	10.54799562	0.000613541		ENSG00000201027
14	89280522	89280765	89280643	8	10	3	2.636998906	0.034203		ENSG00000200312
14	89370628	89370873	89370760	8	9	6	1.369869562	0.253675		ENSG00000210535
14	89491094	89491298	89491161	10	13	2	4.474907234	0.00269459	C14orf143	ENSG00000140025
14	89492529	89492806	89492657	8	10	2	3.515998541	0.0136204	TDP1	ENSG00000042088
14	89830993	89831247	89831093	11	12	1	6.232906505	0.00117736		ENSG00000205533
14	89867253	89867439	89867346	8	8	5	1.43836304	0.235762	C14orf102	ENSG00000119720
14	89924577	89924775	89924650	8	10	7	1.318499453	0.269217	CALM1	ENSG00000198668
14	89935724	89936024	89935874	14	16	7	2.037680973	0.0400399	CALM1	ENSG00000198668
14	90023981	90024197	90024089	8	8	5	1.43836304	0.235762	CALM1	ENSG00000198668
14	90045046	90045479	90045170	8	17	8	1.917817386	0.0474153	CALM1	ENSG00000198668
14	90090526	90090750	90090591	10	11	5	1.917817386	0.0843804	CALM1	ENSG00000198668
14	90233612	90233858	90233735	8	8	9	0.863017824	0.627343		ENSG00000213315
14	90296849	90297063	90296909	9	10	5	1.757999271	0.121253		ENSG00000213315
14	90334090	90334530	90334308	11	21	8	2.343999027	0.0109478	TTC7B	ENSG00000165914
14	90407168	90407397	90407282	10	10	1	5.273997812	0.00391723	TTC7B	ENSG00000165914
14	90419812	90420165	90419974	16	21	2	7.031997082	2.73E-05	TTC7B	ENSG00000165914
14	90517814	90518005	90517932	8	8	2	2.876726079	0.0381137	RPS6KA5	ENSG00000100784
14	90645518	90645716	90645617	8	9	7	1.198635866	0.346278	C14orf159	ENSG00000133943
14	90651934	90652323	90652146	11	17	4	3.452071295	0.00292757	C14orf159	ENSG00000133943
14	90660939	90661129	90660971	9	9	0	9.589086931	0.00120187		ENSG00000221102
14	90663471	90664112	90663790	17	34	9	3.356180426	9.18E-05		ENSG00000221102
14	90694150	90694590	90694361	11	21	6	3.013713035	0.00261913		ENSG00000221102
14	90713360	90713738	90713634	10	16	6	2.328778255	0.0221113		ENSG00000221102
14	90812542	90812781	90812709	13	14	10	1.307602763	0.244096	CCDC88C	ENSG00000015133

14	90822886	90823135	90823008	9	11	6	1.643843474	0.137712	CCDC88C	ENSG00000015133
14	90858747	90858926	90858777	8	8	4	1.726035648	0.150596	CCDC88C	ENSG00000015133
14	90932064	90932551	90932280	22	35	5	5.753452158	7.49E-07	CCDC88C	ENSG00000015133
14	91045117	91045841	91045638	112	180	11	14.46353945	1.41E-39	SMEK1	ENSG00000100796
14	91046156	91046671	91046309	10	22	7	2.756862493	0.003684	SMEK1	ENSG00000100796
14	91109987	91110289	91110145	9	14	4	2.876726079	0.01219		ENSG00000178069
14	91372798	91373030	91372903	8	9	1	4.794543465	0.00708517	TC2N	ENSG00000165929
14	91408809	91409036	91408922	8	9	4	1.917817386	0.103282	TC2N	ENSG00000165929
14	91447609	91447969	91447762	8	14	8	1.598181155	0.124586	FBLN5	ENSG00000140092
14	91549476	91549737	91549612	8	10	2	3.515998541	0.0136204	TRIP11	ENSG00000100815
14	91575433	91575798	91575664	8	12	8	1.385090334	0.219216	TRIP11	ENSG00000100815
14	91639262	91640086	91639725	62	108	6	14.93157822	6.07E-25	ATXN3	ENSG00000066427
14	91641757	91641964	91641860	9	11	4	2.301380863	0.0459276	ATXN3	ENSG00000066427
14	91642794	91643148	91642973	9	14	3	3.595907599	0.00486913	ATXN3	ENSG00000066427
14	91657837	91658029	91657871	8	9	5	1.598181155	0.170911	NDUFB1	ENSG00000183648
14	91712616	91712922	91712786	12	17	3	4.315089119	0.00102271	CPSF2	ENSG00000165934
14	92040103	92040304	92040208	9	10	0	10.54799562	0.000613541	RIN3	ENSG00000100599
14	92134291	92135099	92134791	45	70	4	13.61650344	1.37E-16	RIN3	ENSG00000100599
14	92172661	92172907	92172758	12	13	1	6.712360851	0.000640982	LG MN	ENSG00000100600
14	92226347	92226772	92226550	9	18	5	3.036544195	0.0044641	LG MN	ENSG00000100600
14	92250744	92251025	92250868	8	10	6	1.506856518	0.188853	LG MN	ENSG00000100600
14	92262409	92262644	92262501	8	10	4	2.109599125	0.0694668	LG MN	ENSG00000100600
14	92329717	92330023	92329872	8	13	8	1.491635745	0.166708	GOLGA5	ENSG00000066455
14	92386580	92386794	92386678	9	10	2	3.515998541	0.0136204	GOLGA5	ENSG00000066455
14	92488007	92488327	92488167	11	17	4	3.452071295	0.00292757	CHGA	ENSG00000100604
14	92510021	92510448	92510343	11	19	11	1.598181155	0.0927758	CHGA	ENSG00000100604
14	92521688	92521915	92521765	9	11	5	1.917817386	0.0843804	CHGA	ENSG00000100604
14	92522399	92522602	92522509	8	9	4	1.917817386	0.103282	CHGA	ENSG00000100604
14	92569722	92569976	92569810	9	10	6	1.506856518	0.188853	ITPK1	ENSG00000100605
14	92579647	92579913	92579756	10	10	6	1.506856518	0.188853	ITPK1	ENSG00000100605
14	92596052	92596285	92596160	9	9	1	4.794543465	0.00708517	ITPK1	ENSG00000100605
14	92648832	92649192	92649011	10	17	13	1.232882605	0.274309	ITPK1	ENSG00000100605
14	92649456	92649771	92649607	17	20	11	1.678090213	0.0696225	ITPK1	ENSG00000100605
14	92668513	92668840	92668679	8	10	4	2.109599125	0.0694668	ITPK1	ENSG00000100605

14	92671948	92672466	92672127	14	30	8	3.302907721	0.000239229	ITPK1	ENSG00000100605
14	92675290	92675785	92675462	23	34	10	3.051073114	0.000209762	ITPK1	ENSG00000100605
14	92702251	92702522	92702373	9	13	0	13.4247217	8.16E-05	MOAP1	ENSG00000165943
14	92721521	92721772	92721646	9	13	7	1.678090213	0.11195	C14orf109	ENSG00000153485
14	92743034	92743294	92743150	11	13	7	1.678090213	0.11195	UBR7	ENSG00000012963
14	92743583	92743800	92743706	8	8	4	1.726035648	0.150596	C14orf142	ENSG00000170270
14	92743956	92744208	92744082	8	8	3	2.157544559	0.0836802	C14orf142	ENSG00000170270
14	92856066	92856265	92856140	8	8	1	4.315089119	0.0127267	BTBD7	ENSG00000011114
14	93009726	93009913	93009835	9	9	0	9.589086931	0.00120187		ENSG00000202306
14	93155246	93155436	93155341	8	8	3	2.157544559	0.0836802	PRIMA1	ENSG00000175785
14	93191176	93191451	93191310	8	9	7	1.198635866	0.346278	PRIMA1	ENSG00000175785
14	93196977	93197156	93197077	8	8	1	4.315089119	0.0127267	PRIMA1	ENSG00000175785
14	93472276	93472511	93472352	8	10	3	2.636998906	0.034203	FAM181A	ENSG00000140067
14	93506650	93506858	93506754	10	11	3	2.876726079	0.0213797	ASB2	ENSG00000100628
14	93537814	93538008	93537951	8	9	5	1.598181155	0.170911	C14orf48	ENSG00000175699
14	93616437	93616616	93616545	8	8	5	1.43836304	0.235762	DDX24	ENSG00000089737
14	93856337	93856671	93856508	26	29	2	9.589086931	2.21E-07	SERPINA6	ENSG00000170099
14	93870971	93871304	93871137	28	33	1	16.30144778	2.08E-09	SERPINA6	ENSG00000170099
14	93981657	93981989	93981823	9	15	4	3.068507818	0.0076507	SERPINA11	ENSG00000186910
14	94001859	94002225	94002046	12	19	2	6.39272462	8.83E-05	SERPINA9	ENSG00000170054
14	94022472	94022683	94022599	8	8	4	1.726035648	0.150596	SERPINA9	ENSG00000170054
14	94217512	94217787	94217662	9	12	6	1.78083043	0.0985525	SERPINA13	ENSG00000187483
14	94693691	94694171	94693945	8	19	8	2.130908207	0.0233014	DICER1	ENSG00000100697
14	94732447	94732800	94732623	15	19	7	2.397271733	0.0127287		ENSG00000198411
14	94733733	94733971	94733881	10	11	1	5.753452158	0.00215302		ENSG00000198411
14	94767973	94768381	94768227	8	14	5	2.397271733	0.0258078		ENSG00000198411
14	94777441	94777627	94777534	8	8	4	1.726035648	0.150596		ENSG00000198411
14	94801567	94802177	94801775	25	41	7	5.034270639	3.77E-07	CLMN	ENSG00000165959
14	94811085	94811312	94811160	9	11	7	1.43836304	0.204844	CLMN	ENSG00000165959
14	94850786	94851132	94850967	20	25	9	2.493162602	0.00432225	CLMN	ENSG00000165959
14	94876333	94876720	94876541	12	19	10	1.743470351	0.0622604	CLMN	ENSG00000165959
14	95070279	95070463	95070329	9	9	1	4.794543465	0.00708517		ENSG00000212530
14	95070658	95070916	95070800	8	11	9	1.150690432	0.367789	GLRX5	ENSG00000182512
14	95277150	95277572	95277431	13	19	9	1.917817386	0.0394029	TCL1A	ENSG00000100721

14	95310521	95310742	95310668	8	9	5	1.598181155	0.170911	TCL1A	ENSG00000100721
14	95385560	95385794	95385677	9	10	1	5.273997812	0.00391723	TCL1A	ENSG00000100721
14	95619835	95620140	95619976	11	14	4	2.876726079	0.01219	BDKRB2	ENSG00000168398
14	95622230	95622433	95622355	12	13	3	3.356180426	0.00805599	BDKRB2	ENSG00000168398
14	95631909	95632338	95632088	13	24	8	2.663635258	0.00328036	BDKRB2	ENSG00000168398
14	95636566	95636907	95636736	11	16	2	5.433815927	0.000499302	BDKRB2	ENSG00000168398
14	95672668	95672859	95672774	9	9	1	4.794543465	0.00708517	BDKRB2	ENSG00000168398
14	95707098	95707277	95707100	8	8	3	2.157544559	0.0836802	BDKRB2	ENSG00000168398
14	95740680	95740976	95740844	12	15	5	2.557089848	0.0169197	BDKRB2	ENSG00000168398
14	95752426	95752640	95752520	8	9	0	9.589086931	0.00120187	BDKRB2	ENSG00000168398
14	95824181	95824428	95824345	9	10	0	10.54799562	0.000613541	BDKRB1	ENSG00000100739
14	95928169	95928368	95928203	9	10	3	2.636998906	0.034203	AK7	ENSG00000140057
14	95960460	95960691	95960575	9	11	1	5.753452158	0.00215302	AK7	ENSG00000140057
14	96016517	96016747	96016632	14	15	3	3.835634772	0.00291691	PAPOLA	ENSG00000090060
14	96037667	96037981	96037804	13	18	5	3.036544195	0.0044641	PAPOLA	ENSG00000090060
14	96120461	96120678	96120577	8	10	2	3.515998541	0.0136204		ENSG00000223299
14	96425599	96425787	96425728	8	8	5	1.43836304	0.235762	VRK1	ENSG00000100749
14	96778826	96779005	96778914	8	8	5	1.43836304	0.235762		ENSG00000210655
14	96867728	96867948	96867830	8	8	4	1.726035648	0.150596		ENSG00000210655
14	96868178	96868416	96868297	11	12	6	1.78083043	0.0985525		ENSG00000210655
14	96911688	96911944	96911773	9	10	4	2.109599125	0.0694668		ENSG00000210655
14	97036086	97036558	97036387	12	21	11	1.757999271	0.0516118		ENSG00000210655
14	97226115	97226411	97226292	9	12	0	12.46581301	0.000159888		ENSG00000197176
14	97307909	97308202	97308068	9	11	6	1.643843474	0.137712		ENSG00000205477
14	97514619	97514941	97514779	10	13	6	1.917817386	0.0693353		ENSG00000205477
14	97533784	97533971	97533884	8	8	3	2.157544559	0.0836802		ENSG00000205477
14	97613168	97613701	97613498	36	58	5	9.429268815	1.38E-12		ENSG00000222066
14	97769826	97770271	97770048	25	38	0	37.39743903	4.09E-12		ENSG00000222066
14	98034504	98034819	98034677	14	18	2	6.073088389	0.000157975		ENSG00000210657
14	98344624	98344815	98344719	9	10	2	3.515998541	0.0136204	C14orf177	ENSG00000176605
14	98355551	98355814	98355688	11	13	8	1.491635745	0.166708	C14orf177	ENSG00000176605
14	98445361	98445712	98445536	16	21	3	5.273997812	0.00011662		ENSG00000218496
14	98449907	98450219	98450056	14	17	1	8.630178238	5.44E-05		ENSG00000218496
14	98802662	98802889	98802804	14	14	4	2.876726079	0.01219	BCL11B	ENSG00000127152

14	98808255	98808529	98808392	10	12	4	2.493162602	0.0299057	BCL11B	ENSG00000127152
14	98810778	98811097	98810945	11	15	3	3.835634772	0.00291691	BCL11B	ENSG00000127152
14	98856231	98856546	98856388	11	16	0	16.30144778	1.09E-05		ENSG00000216173
14	98868066	98868473	98868294	12	20	2	6.712360851	4.91E-05		ENSG00000216173
14	98869062	98869245	98869219	8	8	0	8.630178238	0.00235436		ENSG00000216173
14	98951864	98952056	98951967	8	8	1	4.315089119	0.0127267		ENSG00000199789
14	98996884	98997088	98996960	10	10	1	5.273997812	0.00391723		ENSG00000199789
14	99017098	99017457	99017267	10	15	6	2.191791298	0.0328001	CCNK	ENSG00000090061
14	99017988	99018251	99018149	9	13	2	4.474907234	0.00269459	CCNK	ENSG00000090061
14	99020230	99020730	99020405	23	30	1	14.86308474	1.43E-08	CCNK	ENSG00000090061
14	99054705	99054947	99054826	8	10	6	1.506856518	0.188853	CCNK	ENSG00000090061
14	99054978	99055346	99055173	11	15	4	3.068507818	0.0076507	CCNK	ENSG00000090061
14	99102133	99102413	99102273	9	10	4	2.109599125	0.0694668		ENSG00000200506
14	99115274	99115571	99115399	15	19	4	3.835634772	0.00108365		ENSG00000200506
14	99158084	99158355	99158219	11	14	5	2.397271733	0.0258078		ENSG00000205476
14	99164839	99165207	99165106	8	12	6	1.78083043	0.0985525	HHIPL1	ENSG00000182218
14	99219862	99220114	99219988	9	10	6	1.506856518	0.188853	CYP46A1	ENSG00000036530
14	99346091	99346295	99346157	9	9	3	2.397271733	0.0539397	EML1	ENSG00000066629
14	99517010	99517345	99517177	9	13	5	2.237453617	0.038866	EVL	ENSG00000196405
14	99561296	99561587	99561439	9	11	6	1.643843474	0.137712	EVL	ENSG00000196405
14	99567633	99567927	99567786	12	14	1	7.191815198	0.00034761	EVL	ENSG00000196405
14	99595575	99595869	99595722	17	19	7	2.397271733	0.0127287	EVL	ENSG00000196405
14	99635314	99635493	99635418	8	8	1	4.315089119	0.0127267		ENSG00000199082
14	99640721	99640975	99640830	10	12	2	4.155271003	0.0046638		ENSG00000199082
14	99644364	99644734	99644632	10	16	3	4.075361945	0.00173346		ENSG00000199082
14	99750715	99751116	99751014	9	15	5	2.557089848	0.0169197	YY1	ENSG00000100811
14	99782917	99783260	99783075	12	17	9	1.726035648	0.0753664	YY1	ENSG00000100811
14	99807337	99807714	99807512	14	19	5	3.19636231	0.00280933	YY1	ENSG00000100811
14	99838799	99839157	99838928	8	13	8	1.491635745	0.166708	SLC25A29	ENSG00000197119
14	99856512	99856934	99856714	20	31	7	3.835634772	5.95E-05		ENSG00000223312
14	99913721	99914171	99913992	8	16	3	4.075361945	0.00173346	WDR25	ENSG00000176473
14	99919865	99920104	99919984	10	10	5	1.757999271	0.121253	WDR25	ENSG00000176473
14	99921108	99921396	99921231	8	11	1	5.753452158	0.00215302	WDR25	ENSG00000176473
14	99929206	99929459	99929376	9	11	2	3.835634772	0.00800699	WDR25	ENSG00000176473

14	99934268	99934463	99934371	10	12	0	12.46581301	0.000159888	WDR25	ENSG00000176473
14	99975445	99975701	99975545	9	11	2	3.835634772	0.00800699	WDR25	ENSG00000176473
14	99989562	99989772	99989657	9	9	0	9.589086931	0.00120187	WDR25	ENSG00000176473
14	100081345	100081556	100081450	8	9	5	1.598181155	0.170911	BEGAIN	ENSG00000183092
14	100084115	100084323	100084219	8	10	4	2.109599125	0.0694668	BEGAIN	ENSG00000183092
14	100182021	100182254	100182078	9	11	4	2.301380863	0.0459276	C14orf70	ENSG00000196273
14	100229186	100229458	100229322	10	12	3	3.116453252	0.0131971	DLK1	ENSG00000185559
14	100240004	100240319	100240161	13	16	3	4.075361945	0.00173346	DLK1	ENSG00000185559
14	100244550	100244907	100244699	10	15	9	1.534253909	0.136498	DLK1	ENSG00000185559
14	100246727	100246906	100246816	8	9	3	2.397271733	0.0539397	DLK1	ENSG00000185559
14	100248508	100248872	100248750	8	13	0	13.4247217	8.16E-05	DLK1	ENSG00000185559
14	100272244	100272535	100272417	8	11	5	1.917817386	0.0843804	DLK1	ENSG00000185559
14	100446883	100447140	100446995	10	12	0	12.46581301	0.000159888		ENSG00000199005
14	100609292	100609797	100609471	9	20	9	2.013708255	0.0279742		ENSG00000207959
14	100774216	100774395	100774305	8	8	1	4.315089119	0.0127267		ENSG00000206761
14	100991531	100991734	100991625	8	8	2	2.876726079	0.0381137		ENSG00000198348
14	101017251	101017430	101017340	8	8	0	8.630178238	0.00235436		ENSG00000198348
14	101026367	101026546	101026456	8	8	2	2.876726079	0.0381137		ENSG00000198348
14	101243338	101243530	101243441	8	9	2	3.19636231	0.0229249	PPP2R5C	ENSG00000078304
14	101267689	101268071	101267855	8	13	3	3.356180426	0.00805599	PPP2R5C	ENSG00000078304
14	101345686	101346230	101346051	9	23	4	4.602761727	0.000137072	PPP2R5C	ENSG00000078304
14	101346239	101346550	101346374	15	19	11	1.598181155	0.0927758	PPP2R5C	ENSG00000078304
14	101508462	101508865	101508637	14	21	2	7.031997082	2.73E-05	DYNC1H1	ENSG00000197102
14	101516226	101516430	101516341	9	10	2	3.515998541	0.0136204	DYNC1H1	ENSG00000197102
14	101516446	101516667	101516600	8	10	2	3.515998541	0.0136204	DYNC1H1	ENSG00000197102
14	101516835	101517140	101516987	13	16	3	4.075361945	0.00173346	DYNC1H1	ENSG00000197102
14	101562952	101563210	101563081	8	12	4	2.493162602	0.0299057		ENSG00000211198
14	101599384	101599584	101599484	9	10	4	2.109599125	0.0694668		ENSG00000211198
14	101633452	101634034	101633742	11	24	10	2.179337939	0.011585	HSP90AA2	ENSG00000080824
14	101675876	101676178	101676009	8	12	7	1.558226626	0.152813	WDR20	ENSG00000140153
14	101721490	101721756	101721623	9	11	2	3.835634772	0.00800699	WDR20	ENSG00000140153
14	101815699	101816041	101815870	8	14	6	2.054804342	0.0480281	RAGE	ENSG00000080823
14	101849656	101849868	101849716	11	12	2	4.155271003	0.0046638	ZNF839	ENSG00000022976
14	101853121	101853325	101853198	10	11	9	1.150690432	0.367789	ZNF839	ENSG00000022976

14	101854059	101854275	101854156	9	10	1	5.273997812	0.00391723	ZNF839	ENSG00000022976
14	102060618	102060836	102060763	8	10	8	1.171999514	0.35773	ANKRD9	ENSG00000156381
14	102130736	102130949	102130837	8	10	2	3.515998541	0.0136204	RCOR1	ENSG00000089902
14	102175302	102175500	102175401	8	8	9	0.863017824	0.627343	RCOR1	ENSG00000089902
14	102374385	102374736	102374560	9	15	2	5.114179696	0.00088103		ENSG00000206969
14	102523155	102523808	102523500	54	82	4	15.9178843	7.78E-20		ENSG00000213176
14	102641791	102642119	102641955	10	12	3	3.116453252	0.0131971	C14orf73	ENSG00000205436
14	102700851	102701122	102700986	9	12	0	12.46581301	0.000159888	TNFAIP2	ENSG00000185215
14	102780006	102780568	102780357	149	178	0	171.6446561	5.36E-53		ENSG00000199528
14	102828908	102829253	102829096	8	13	3	3.356180426	0.00805599		ENSG00000199528
14	102869454	102869908	102869683	9	18	3	4.554816292	0.000599415	EIF5	ENSG00000100664
14	102890478	102890819	102890647	13	17	5	2.876726079	0.00703033		ENSG00000213173
14	102893975	102894341	102894162	14	20	1	10.06854128	8.32E-06		ENSG00000213173
14	102922545	102923013	102922724	11	20	4	4.027416511	0.000652226	MARK3	ENSG00000075413
14	103036284	103036517	103036418	8	10	4	2.109599125	0.0694668	CKB	ENSG00000166165
14	103163246	103163442	103163344	8	8	5	1.43836304	0.235762	KLC1	ENSG00000126214
14	103272323	103272665	103272494	9	13	9	1.34247217	0.232231	ZFYVE21	ENSG00000100711
14	103437239	103437460	103437339	10	12	4	2.493162602	0.0299057	C14orf2	ENSG00000156411
14	103442596	103442775	103442675	9	9	5	1.598181155	0.170911	C14orf2	ENSG00000156411
14	103456973	103457358	103457181	10	16	13	1.164389127	0.333296	C14orf2	ENSG00000156411
14	103457636	103457889	103457746	8	10	6	1.506856518	0.188853	C14orf2	ENSG00000156411
14	103614091	103614346	103614218	11	14	14	0.958908693	0.545362		ENSG00000166183
14	103637079	103637286	103637170	10	11	0	11.50690432	0.000313206		ENSG00000166183
14	103907738	103907955	103907827	10	11	4	2.301380863	0.0459276		ENSG00000222761
14	103972280	103972850	103972434	16	30	2	9.908723162	1.20E-07		ENSG00000213159
14	104086921	104087296	104087090	13	20	2	6.712360851	4.91E-05	C14orf180	ENSG00000184601
14	104101554	104101881	104101709	9	9	6	1.369869562	0.253675	C14orf180	ENSG00000184601
14	104120215	104120415	104120310	9	10	2	3.515998541	0.0136204	C14orf180	ENSG00000184601
14	104261124	104261306	104261169	8	9	1	4.794543465	0.00708517	ADSSL1	ENSG00000185100
14	104289867	104290261	104290037	8	14	9	1.43836304	0.179537	SIVA1	ENSG00000184990
14	104338346	104338596	104338460	8	11	1	5.753452158	0.00215302		ENSG00000179627
14	104358121	104358423	104358272	8	14	2	4.794543465	0.00154571	RPS2P4	ENSG00000196183
14	104450720	104451104	104450962	9	14	0	14.3836304	4.17E-05	PLD4	ENSG00000166428
14	104513590	104513776	104513648	8	9	8	1.065454103	0.442605	AHNAK2	ENSG00000185567

14	104520059	104520491	104520312	30	42	2	13.74435793	6.90E-11	C14orf79	ENSG00000140104
14	104629023	104629221	104629142	9	10	3	2.636998906	0.034203	GPR132	ENSG00000183484
14	104708159	104708348	104708204	9	10	2	3.515998541	0.0136204	JAG2	ENSG00000184916
14	104716767	104717167	104716994	13	19	1	9.589086931	1.56E-05	NUDT14	ENSG00000183828
14	104740346	104740638	104740494	8	10	3	2.636998906	0.034203	NUDT14	ENSG00000183828
14	104819291	104819576	104819443	9	11	8	1.278544924	0.28289	BRF1	ENSG00000185024
14	104839049	104839228	104839098	8	8	6	1.232882605	0.333038	BRF1	ENSG00000185024
14	104853031	104853270	104853120	10	11	8	1.278544924	0.28289	PACS2	ENSG00000179364
14	104891741	104892027	104891863	22	24	8	2.663635258	0.00328036	PACS2	ENSG00000179364
14	104959181	104959417	104959319	10	10	4	2.109599125	0.0694668	MTA1	ENSG00000182979
14	104986000	104986219	104986109	8	9	9	0.958908693	0.536911	CRIP2	ENSG00000182809
14	105004633	105004831	105004732	9	9	0	9.589086931	0.00120187	CRIP2	ENSG00000182809
14	105018354	105018630	105018457	8	11	2	3.835634772	0.00800699		ENSG00000182351
14	105028144	105028641	105028318	15	26	4	5.178106943	2.75E-05	C14orf80	ENSG00000185347
14	105105698	105105887	105105723	9	9	0	9.589086931	0.00120187		ENSG00000219311
14	105225186	105225484	105225335	11	11	2	3.835634772	0.00800699		ENSG00000183545
14	105481920	105482135	105482027	10	12	1	6.232906505	0.00117736	IGHVII-1-1	ENSG00000217515
14	105555132	105555327	105555161	8	9	4	1.917817386	0.103282		ENSG00000211936
14	105612856	105613055	105612876	9	11	1	5.753452158	0.00215302		ENSG00000211939
14	105714829	105715149	105714982	13	17	1	8.630178238	5.44E-05		ENSG00000211945
14	105738099	105738694	105738276	25	55	7	6.712360851	1.89E-10		ENSG00000211946
14	105836029	105836608	105836461	9	21	4	4.219198249	0.000390041	IGHVIII-26	ENSG00000216942
14	105856064	105856245	105856154	8	8	3	2.157544559	0.0836802	IGHVII-28-	ENSG00000218895
14	105858873	105859142	105858987	13	14	2	4.794543465	0.00154571	IGHV3-29	ENSG00000218736
14	105864790	105864988	105864824	11	11	4	2.301380863	0.0459276		ENSG00000211953
14	105906978	105907250	105907114	10	10	3	2.636998906	0.034203	IGHV7-34-	ENSG00000218701
14	106122485	106122750	106122617	10	12	1	6.232906505	0.00117736		ENSG00000211967
14	106138927	106139598	106139266	31	63	6	8.767165194	4.08E-13	IGHV7-56	ENSG00000218845
14	106179745	106180004	106179858	9	9	3	2.397271733	0.0539397	IGHV3-63	ENSG00000216414
14	106184601	106184835	106184763	8	10	1	5.273997812	0.00391723		ENSG00000211971
14	106309828	106310149	106309998	9	14	8	1.598181155	0.124586	IGHVIII-76	ENSG00000217363
14	106358449	106358899	106358627	11	19	9	1.917817386	0.0394029	IGHVIII-82	ENSG00000218325
15	19145849	19146258	19146028	20	27	5	4.474907234	5.37E-05		ENSG00000187646
15	19179378	19179683	19179527	16	19	2	6.39272462	8.83E-05		ENSG00000187646

15	19180702	19180921	19180819	8	9	2	3.19636231	0.0229249		ENSG00000187646
15	19254352	19254680	19254524	16	19	0	19.17817386	1.44E-06		ENSG00000214319
15	22655065	22655296	22655176	12	13	0	13.4247217	8.16E-05	SNURF	ENSG00000214265
15	23878304	23878559	23878435	9	10	4	2.109599125	0.0694668		ENSG00000212604
15	25329782	25330041	25329911	8	9	0	9.589086931	0.00120187		ENSG00000200326
15	25613391	25613676	25613517	15	18	0	18.21926517	2.83E-06		ENSG00000210015
15	27262638	27262860	27262749	10	11	1	5.753452158	0.00215302		ENSG00000104059
15	27770545	27770879	27770702	16	20	1	10.06854128	8.32E-06		ENSG00000212769
15	28983195	28983465	28983299	8	11	1	5.753452158	0.00215302	MTMR15	ENSG00000198690
15	29230273	29230596	29230428	34	36	0	35.47962164	1.57E-11	TRPM1	ENSG00000134160
15	29464041	29464271	29464156	8	11	2	3.835634772	0.00800699	KLF13	ENSG00000169926
15	29477393	29477828	29477655	22	27	0	26.84944341	6.66E-09	KLF13	ENSG00000169926
15	31225001	31225563	31225244	93	115	1	55.6167042	7.73E-33		ENSG00000206125
15	31281399	31281758	31281566	10	15	7	1.917817386	0.0572317		ENSG00000206125
15	31566783	31566963	31566920	8	8	0	8.630178238	0.00235436	RYR3	ENSG00000198838
15	32811903	32812317	32812137	51	64	2	20.77635502	5.71E-17	GJD2	ENSG00000159248
15	33336102	33336580	33336220	17	25	3	6.232906505	1.23E-05		ENSG00000214149
15	33587697	33588055	33587876	14	20	0	20.13708255	7.37E-07	ATPBD4	ENSG00000134146
15	33948199	33948406	33948294	10	11	0	11.50690432	0.000313206	ATPBD4	ENSG00000134146
15	34085416	34085750	34085587	12	17	0	17.26035648	5.54E-06	ATPBD4	ENSG00000134146
15	36169542	36169723	36169694	9	9	4	1.917817386	0.103282	TMCO5A	ENSG00000166069
15	36533531	36533718	36533624	8	8	2	2.876726079	0.0381137	FAM98B	ENSG00000171262
15	36779256	36779441	36779348	8	8	1	4.315089119	0.0127267	C15orf53	ENSG00000175779
15	37984163	37984414	37984288	11	13	3	3.356180426	0.00805599	GPR176	ENSG00000166073
15	38188486	38188719	38188602	10	12	0	12.46581301	0.000159888	BMF	ENSG00000104081
15	38462334	38462532	38462489	8	10	4	2.109599125	0.0694668	C15orf23	ENSG00000128944
15	38886877	38887107	38886992	8	10	2	3.515998541	0.0136204	DNAJC17	ENSG00000104129
15	38945442	38945651	38945532	11	12	0	12.46581301	0.000159888	RHOV	ENSG00000104140
15	39097949	39098365	39098098	9	15	2	5.114179696	0.00088103	CHAC1	ENSG00000128965
15	39140149	39140349	39140246	8	9	1	4.794543465	0.00708517	INO80	ENSG00000128908
15	39481941	39482128	39482034	10	10	2	3.515998541	0.0136204	NDUFAF1	ENSG00000137806
15	40110796	40111046	40110921	12	15	0	15.34253909	2.13E-05	PLA2G4E	ENSG00000188089
15	40174206	40174435	40174316	9	10	3	2.636998906	0.034203	PLA2G4D	ENSG00000159337
15	40574731	40574984	40574806	9	11	4	2.301380863	0.0459276	SNAP23	ENSG00000092531

15	40729875	40730115	40730013	11	11	0	11.50690432	0.000313206	STARD9	ENSG00000166917
15	40750924	40751310	40751098	12	20	0	20.13708255	7.37E-07	STARD9	ENSG00000166917
15	40998778	40998974	40998903	8	9	1	4.794543465	0.00708517	TTBK2	ENSG00000128881
15	41298901	41299096	41298948	8	8	1	4.315089119	0.0127267	EPB42	ENSG00000166947
15	42790897	42791109	42791003	8	9	1	4.794543465	0.00708517	B2M	ENSG00000166710
15	42891530	42891715	42891622	9	10	0	10.54799562	0.000613541		ENSG00000212424
15	42961955	42962230	42962092	9	11	1	5.753452158	0.00215302		ENSG00000212424
15	43162783	43163103	43162955	22	24	1	11.98635866	6.63E-07	DUOX2	ENSG00000140279
15	45700765	45701063	45700914	8	11	0	11.50690432	0.000313206		ENSG00000221202
15	46890554	46890780	46890667	10	13	4	2.684944341	0.01921	CEP152	ENSG00000103995
15	46947555	46947793	46947674	16	19	0	19.17817386	1.44E-06	SHC4	ENSG00000185634
15	47235183	47235468	47235306	10	12	1	6.232906505	0.00117736	GALK2	ENSG00000156958
15	47345372	47345880	47345638	19	34	0	33.56180426	6.02E-11		ENSG00000210823
15	47529456	47529923	47529772	8	16	11	1.358453982	0.20248	FGF7P2	ENSG00000140285
15	47548164	47548393	47548269	11	12	11	1.038817751	0.460341	FGF7P2	ENSG00000140285
15	47551375	47551721	47551548	8	13	8	1.491635745	0.166708	FGF7P2	ENSG00000140285
15	47585829	47586260	47586008	48	60	6	8.356204325	2.34E-12	FGF7P2	ENSG00000140285
15	47586945	47587183	47587064	8	11	7	1.43836304	0.204844	FGF7P2	ENSG00000140285
15	47601037	47601666	47601376	12	26	18	1.362659722	0.14632	FGF7P2	ENSG00000140285
15	47619824	47620123	47619973	13	15	7	1.917817386	0.0572317	C15orf33	ENSG00000166262
15	47646767	47647001	47646872	8	9	11	0.799090578	0.702688	C15orf33	ENSG00000166262
15	47647762	47648085	47647932	9	13	7	1.678090213	0.11195	C15orf33	ENSG00000166262
15	47653439	47653640	47653535	8	8	4	1.726035648	0.150596	C15orf33	ENSG00000166262
15	47698779	47698987	47698883	8	8	5	1.43836304	0.235762	C15orf33	ENSG00000166262
15	47699510	47699716	47699596	8	10	3	2.636998906	0.034203	C15orf33	ENSG00000166262
15	47700081	47701454	47700478	54	124	52	2.261577106	9.27E-08	C15orf33	ENSG00000166262
15	47702708	47703106	47702887	9	16	7	2.037680973	0.0400399	DTWD1	ENSG00000104047
15	47704302	47704617	47704448	8	12	7	1.558226626	0.152813	DTWD1	ENSG00000104047
15	47704884	47705841	47705360	459	572	14	36.63031207	1.25E-144	DTWD1	ENSG00000104047
15	47725292	47725728	47725513	10	19	8	2.130908207	0.0233014	DTWD1	ENSG00000104047
15	47734501	47734842	47734676	8	12	10	1.133255728	0.37674	DTWD1	ENSG00000104047
15	47748108	47748346	47748227	8	10	5	1.757999271	0.121253	DTWD1	ENSG00000104047
15	47754373	47754889	47754710	17	28	15	1.738022006	0.0334925	DTWD1	ENSG00000104047
15	47761771	47761965	47761836	8	9	0	9.589086931	0.00120187	DTWD1	ENSG00000104047

15	47767549	47767856	47767702	8	11	5	1.917817386	0.0843804	DTWD1	ENSG00000104047
15	47768689	47769293	47769076	25	45	23	1.837908328	0.00629521	DTWD1	ENSG00000104047
15	47774638	47774839	47774738	8	9	8	1.065454103	0.442605	DTWD1	ENSG00000104047
15	47775132	47775491	47775341	8	12	9	1.246581301	0.295061	DTWD1	ENSG00000104047
15	47789180	47789453	47789293	10	12	3	3.116453252	0.0131971		ENSG00000214966
15	47791818	47792120	47791969	10	15	4	3.068507818	0.0076507		ENSG00000214966
15	47800833	47801187	47801010	12	16	7	2.037680973	0.0400399		ENSG00000214966
15	47802297	47802598	47802447	9	12	7	1.558226626	0.152813		ENSG00000214966
15	47804267	47804505	47804386	8	9	9	0.958908693	0.536911		ENSG00000214966
15	47828072	47828751	47828225	13	36	16	2.087036567	0.00432578		ENSG00000214966
15	47838137	47838442	47838266	9	13	4	2.684944341	0.01921		ENSG00000214966
15	47847228	47847583	47847405	9	15	12	1.180195315	0.324974		ENSG00000214966
15	47849712	47849892	47849802	8	9	7	1.198635866	0.346278		ENSG00000214966
15	47857197	47857438	47857351	8	9	7	1.198635866	0.346278		ENSG00000214966
15	47857637	47857835	47857718	8	8	2	2.876726079	0.0381137		ENSG00000214966
15	47870276	47870604	47870440	9	12	1	6.232906505	0.00117736		ENSG00000214966
15	47881058	47881338	47881226	9	12	6	1.78083043	0.0985525		ENSG00000214966
15	47881732	47882081	47881906	10	15	3	3.835634772	0.00291691		ENSG00000214966
15	47886902	47887119	47886987	8	9	6	1.369869562	0.253675		ENSG00000214966
15	47888417	47888810	47888568	9	14	9	1.43836304	0.179537		ENSG00000214966
15	47889122	47889933	47889795	11	31	18	1.615004115	0.044781		ENSG00000214966
15	47902105	47902284	47902194	8	8	6	1.232882605	0.333038		ENSG00000214966
15	47902998	47903286	47903151	8	10	4	2.109599125	0.0694668		ENSG00000214966
15	47903436	47903688	47903564	9	9	5	1.598181155	0.170911		ENSG00000214966
15	47907331	47907526	47907428	8	9	2	3.19636231	0.0229249		ENSG00000214966
15	47909378	47909598	47909483	8	10	12	0.811384279	0.697544		ENSG00000214966
15	47912018	47912436	47912168	13	21	10	1.917817386	0.0328292		ENSG00000214966
15	47924514	47924777	47924645	9	11	11	0.958908693	0.540507		ENSG00000214966
15	47936064	47936267	47936172	8	9	4	1.917817386	0.103282	ATP8B4	ENSG00000104043
15	47938907	47939198	47939060	10	13	11	1.118726809	0.38479	ATP8B4	ENSG00000104043
15	47940564	47940867	47940720	10	14	3	3.595907599	0.00486913	ATP8B4	ENSG00000104043
15	47945537	47945969	47945770	10	19	12	1.475244143	0.131365	ATP8B4	ENSG00000104043
15	47949140	47949339	47949211	8	8	6	1.232882605	0.333038	ATP8B4	ENSG00000104043
15	47951514	47951822	47951720	10	14	12	1.106433107	0.392094	ATP8B4	ENSG00000104043

15	47954666	47955015	47954841	10	14	10	1.307602763	0.244096	ATP8B4	ENSG00000104043
15	47955061	47955403	47955232	12	16	11	1.358453982	0.20248	ATP8B4	ENSG00000104043
15	47955955	47956387	47956129	9	16	13	1.164389127	0.333296	ATP8B4	ENSG00000104043
15	47956957	47957237	47957074	9	12	6	1.78083043	0.0985525	ATP8B4	ENSG00000104043
15	47959394	47960018	47959561	9	24	13	1.712336952	0.0480623	ATP8B4	ENSG00000104043
15	47965256	47965451	47965312	8	10	7	1.318499453	0.269217	ATP8B4	ENSG00000104043
15	47975148	47975599	47975433	9	16	6	2.328778255	0.0221113	ATP8B4	ENSG00000104043
15	47988291	47988501	47988396	8	9	4	1.917817386	0.103282	ATP8B4	ENSG00000104043
15	47988693	47988881	47988715	9	10	5	1.757999271	0.121253	ATP8B4	ENSG00000104043
15	47996422	47996845	47996680	12	19	11	1.598181155	0.0927758	ATP8B4	ENSG00000104043
15	48005382	48005581	48005481	8	11	6	1.643843474	0.137712	ATP8B4	ENSG00000104043
15	48007261	48007734	48007555	10	19	14	1.278544924	0.231514	ATP8B4	ENSG00000104043
15	48011943	48012172	48012035	8	11	7	1.43836304	0.204844	ATP8B4	ENSG00000104043
15	48013192	48013474	48013306	10	11	10	1.046082211	0.455063	ATP8B4	ENSG00000104043
15	48017292	48017486	48017385	8	9	5	1.598181155	0.170911	ATP8B4	ENSG00000104043
15	48044509	48044803	48044660	10	12	5	2.077635502	0.0577144		ENSG00000201086
15	48063014	48063522	48063193	9	19	6	2.739739123	0.00632909		ENSG00000201086
15	48063858	48064351	48064205	10	21	17	1.171999514	0.305749		ENSG00000201086
15	48064810	48065278	48065153	9	16	8	1.811271976	0.0663685		ENSG00000201086
15	48066799	48067229	48067104	12	20	11	1.678090213	0.0696225		ENSG00000201086
15	48069546	48070055	48069725	10	21	7	2.636998906	0.00562102		ENSG00000201086
15	48070708	48070913	48070758	8	9	9	0.958908693	0.536911		ENSG00000201086
15	48076110	48076338	48076224	9	10	4	2.109599125	0.0694668		ENSG00000201086
15	48082924	48083819	48083333	20	47	28	1.587159216	0.0224205		ENSG00000201086
15	48084968	48085225	48085098	9	14	5	2.397271733	0.0258078		ENSG00000201086
15	48085894	48086164	48086029	10	11	8	1.278544924	0.28289		ENSG00000201086
15	48092069	48092279	48092164	9	11	8	1.278544924	0.28289		ENSG00000201086
15	48093401	48093745	48093573	12	17	4	3.452071295	0.00292757		ENSG00000201086
15	48094801	48095149	48094975	8	14	13	1.027402171	0.469541		ENSG00000201086
15	48102533	48102756	48102601	8	9	5	1.598181155	0.170911		ENSG00000201086
15	48105078	48105294	48105223	8	10	10	0.958908693	0.538751		ENSG00000201086
15	48118260	48118635	48118501	8	14	11	1.198635866	0.315918		ENSG00000201086
15	48124088	48124272	48124180	8	8	13	0.616441303	0.878084		ENSG00000201086
15	48126432	48126758	48126602	8	13	6	1.917817386	0.0693353		ENSG00000201086

15	48129499	48129903	48129678	8	14	7	1.797953799	0.0806593	ATP8B4	ENSG00000104043
15	48131255	48131624	48131434	23	31	11	2.557089848	0.00150051	ATP8B4	ENSG00000104043
15	48135432	48135851	48135611	10	17	9	1.726035648	0.0753664	ATP8B4	ENSG00000104043
15	48136704	48137307	48136883	10	24	13	1.712336952	0.0480623	ATP8B4	ENSG00000104043
15	48138709	48139235	48139029	10	21	19	1.054799562	0.429896	ATP8B4	ENSG00000104043
15	48142236	48142535	48142384	8	11	3	2.876726079	0.0213797	ATP8B4	ENSG00000104043
15	48151558	48151807	48151682	13	15	6	2.191791298	0.0328001	ATP8B4	ENSG00000104043
15	48156240	48156584	48156412	8	14	6	2.054804342	0.0480281	ATP8B4	ENSG00000104043
15	48161213	48161513	48161383	11	15	11	1.278544924	0.254978	ATP8B4	ENSG00000104043
15	48163206	48163509	48163357	9	12	6	1.78083043	0.0985525	ATP8B4	ENSG00000104043
15	48186688	48186961	48186824	8	10	12	0.811384279	0.697544	ATP8B4	ENSG00000104043
15	48188533	48188747	48188592	8	9	9	0.958908693	0.536911	ATP8B4	ENSG00000104043
15	48188801	48189185	48188993	32	40	16	2.312662142	0.00107888	ATP8B4	ENSG00000104043
15	48190030	48190217	48190147	8	8	12	0.663859864	0.833689	ATP8B4	ENSG00000104043
15	48192674	48193149	48192816	9	17	13	1.232882605	0.274309	ATP8B4	ENSG00000104043
15	48195956	48196314	48196135	11	17	18	0.908439814	0.615249	ATP8B4	ENSG00000104043
15	48198540	48198726	48198628	8	8	6	1.232882605	0.333038	ATP8B4	ENSG00000104043
15	48206544	48206829	48206693	11	14	5	2.397271733	0.0258078	ATP8B4	ENSG00000104043
15	48207109	48207352	48207201	9	11	17	0.639272462	0.890352	ATP8B4	ENSG00000104043
15	48207424	48207863	48207688	13	22	19	1.102744997	0.372416	ATP8B4	ENSG00000104043
15	48221835	48222090	48221926	8	12	11	1.038817751	0.460341	ATP8B4	ENSG00000104043
15	48222119	48222307	48222212	8	10	6	1.506856518	0.188853	ATP8B4	ENSG00000104043
15	48224948	48225167	48225057	10	11	8	1.278544924	0.28289	ATP8B4	ENSG00000104043
15	48227573	48227783	48227730	10	12	3	3.116453252	0.0131971	ATP8B4	ENSG00000104043
15	48227841	48228221	48228020	10	18	8	2.024362796	0.0334397	ATP8B4	ENSG00000104043
15	48245728	48246315	48246065	9	21	15	1.318499453	0.19542	SLC27A2	ENSG00000140284
15	48259780	48260120	48259959	10	15	13	1.095895649	0.398774	SLC27A2	ENSG00000140284
15	48261475	48261756	48261615	13	16	7	2.037680973	0.0400399	SLC27A2	ENSG00000140284
15	48262077	48262734	48262471	9	25	15	1.558226626	0.0760878	SLC27A2	ENSG00000140284
15	48267534	48267897	48267838	8	15	8	1.704726565	0.0916153	SLC27A2	ENSG00000140284
15	48270355	48270579	48270521	8	9	7	1.198635866	0.346278	SLC27A2	ENSG00000140284
15	48272486	48273088	48272648	19	42	26	1.527150882	0.0393286	SLC27A2	ENSG00000140284
15	48285231	48285500	48285365	8	13	11	1.118726809	0.38479		ENSG00000200605
15	48298676	48298900	48298790	11	11	6	1.643843474	0.137712		ENSG00000200605

15	48299058	48299355	48299208	9	11	12	0.885146486	0.620672	ENSG00000200605
15	48300036	48300299	48300167	8	11	6	1.643843474	0.137712	ENSG00000200605
15	48303268	48303573	48303413	12	13	0	13.4247217	8.16E-05	ENSG00000200605
15	48308412	48308739	48308575	16	21	23	0.878999635	0.669714	ENSG00000200605
15	48310162	48310372	48310238	8	10	4	2.109599125	0.0694668	ENSG00000200605
15	48310996	48311350	48311173	9	14	7	1.797953799	0.0806593	ENSG00000200605
15	48314387	48314590	48314488	8	9	14	0.639272462	0.869513	ENSG00000210855
15	48316994	48317372	48317220	8	12	12	0.958908693	0.542188	ENSG00000210855
15	48320448	48320829	48320604	8	13	7	1.678090213	0.11195	ENSG00000210855
15	48327376	48327795	48327585	27	37	15	2.277408146	0.00179502	ENSG00000210855
15	48329400	48329869	48329559	9	18	13	1.301376083	0.22245	ENSG00000210855
15	48330495	48330990	48330830	11	20	11	1.678090213	0.0696225	ENSG00000210855
15	48335408	48335657	48335518	9	13	13	0.958908693	0.543805	HDC ENSG00000140287
15	48335830	48336652	48336473	16	43	37	1.110315329	0.316685	HDC ENSG00000140287
15	48336991	48337318	48337165	9	12	7	1.558226626	0.152813	HDC ENSG00000140287
15	48339954	48340331	48340133	9	16	9	1.630144778	0.102169	HDC ENSG00000140287
15	48341801	48341980	48341835	8	8	2	2.876726079	0.0381137	HDC ENSG00000140287
15	48344187	48344394	48344240	8	9	4	1.917817386	0.103282	HDC ENSG00000140287
15	48345619	48345839	48345729	9	11	11	0.958908693	0.540507	HDC ENSG00000140287
15	48345909	48346185	48346050	9	12	9	1.246581301	0.295061	HDC ENSG00000140287
15	48355578	48355757	48355667	8	8	1	4.315089119	0.0127267	HDC ENSG00000140287
15	48359637	48360062	48359907	9	16	5	2.716907964	0.0109645	HDC ENSG00000140287
15	48374626	48375378	48374796	10	29	13	2.054804342	0.00995827	HDC ENSG00000140287
15	48380651	48380893	48380793	9	9	4	1.917817386	0.103282	HDC ENSG00000140287
15	48387823	48388069	48387946	8	10	9	1.054799562	0.4492	ENSG00000207498
15	48393856	48394184	48394009	16	19	13	1.369869562	0.177863	ENSG00000207498
15	48395551	48395900	48395725	11	17	3	4.315089119	0.00102271	ENSG00000207498
15	48401442	48401726	48401584	9	10	8	1.171999514	0.35773	ENSG00000207498
15	48404763	48404969	48404866	10	10	4	2.109599125	0.0694668	ENSG00000207498
15	48408135	48408343	48408235	10	11	10	1.046082211	0.455063	ENSG00000207498
15	48433365	48433857	48433559	18	32	16	1.861410992	0.0155206	GABPB1 ENSG00000104064
15	48434287	48435396	48434773	28	71	30	2.227142771	4.71E-05	GABPB1 ENSG00000104064
15	48436149	48436355	48436241	9	11	11	0.958908693	0.540507	GABPB1 ENSG00000104064
15	48438404	48438619	48438567	8	11	12	0.885146486	0.620672	GABPB1 ENSG00000104064

15	48451639	48451933	48451809	11	13	3	3.356180426	0.00805599	GABPB1	ENSG00000104064
15	48453633	48453818	48453725	8	8	4	1.726035648	0.150596	GABPB1	ENSG00000104064
15	48470434	48470915	48470610	15	26	9	2.589053471	0.00289627	USP8	ENSG00000138592
15	48476921	48477133	48477038	8	8	4	1.726035648	0.150596	USP8	ENSG00000138592
15	48486524	48486725	48486657	8	11	8	1.278544924	0.28289	USP8	ENSG00000138592
15	48503334	48504431	48504000	13	48	38	1.204782717	0.190443	USP8	ENSG00000138592
15	48504507	48504731	48504641	10	11	15	0.71918152	0.81018	USP8	ENSG00000138592
15	48524268	48524456	48524282	8	9	2	3.19636231	0.0229249	USP8	ENSG00000138592
15	48538248	48538488	48538326	8	11	13	0.821921737	0.693119	USP8	ENSG00000138592
15	48582109	48582397	48582227	9	12	7	1.558226626	0.152813	USP8	ENSG00000138592
15	48607652	48607940	48607769	9	13	4	2.684944341	0.01921	USP50	ENSG00000170236
15	48629400	48629599	48629524	9	9	4	1.917817386	0.103282	USP50	ENSG00000170236
15	48642466	48642652	48642536	8	9	6	1.369869562	0.253675	USP50	ENSG00000170236
15	48652607	48652838	48652722	9	10	2	3.515998541	0.0136204	USP50	ENSG00000170236
15	48720846	48721142	48720995	12	13	5	2.237453617	0.038866	TRPM7	ENSG00000092439
15	48725756	48726207	48725961	10	19	10	1.743470351	0.0622604	TRPM7	ENSG00000092439
15	48755265	48755621	48755443	9	14	7	1.797953799	0.0806593	TRPM7	ENSG00000092439
15	48757734	48757947	48757840	8	8	0	8.630178238	0.00235436	TRPM7	ENSG00000092439
15	48765349	48766031	48765690	14	38	21	1.699883592	0.0204456	TRPM7	ENSG00000092439
15	48766046	48766281	48766113	8	8	6	1.232882605	0.333038	TRPM7	ENSG00000092439
15	48766408	48766667	48766525	11	13	12	1.0326709	0.46514	TRPM7	ENSG00000092439
15	48766713	48767005	48766859	8	12	12	0.958908693	0.542188	TRPM7	ENSG00000092439
15	48832707	48832954	48832830	12	13	7	1.678090213	0.11195		ENSG00000138600
15	48844077	48844329	48844203	9	12	12	0.958908693	0.542188		ENSG00000138600
15	48844385	48844853	48844729	13	25	18	1.312190843	0.179876		ENSG00000138600
15	48845131	48845637	48845406	13	25	9	2.493162602	0.00432225		ENSG00000138600
15	48847110	48847546	48847368	18	25	10	2.266511456	0.00802978		ENSG00000138600
15	48857631	48857952	48857791	10	14	13	1.027402171	0.469541		ENSG00000138600
15	48866456	48866757	48866606	10	15	6	2.191791298	0.0328001		ENSG00000138600
15	48870835	48871126	48870980	10	12	12	0.958908693	0.542188		ENSG00000138600
15	48877357	48877895	48877600	208	254	15	15.2826073	1.24E-55		ENSG00000138600
15	48878038	48878509	48878239	13	28	9	2.78083521	0.00127094		ENSG00000138600
15	48882433	48882881	48882601	11	19	10	1.743470351	0.0622604		ENSG00000138600
15	48887273	48887492	48887361	8	8	9	0.863017824	0.627343		ENSG00000138600

15	48895527	48896134	48895803	28	55	37	1.4131286	0.0476031	ENSG00000138600
15	48897510	48897715	48897597	8	8	6	1.232882605	0.333038	ENSG00000138600
15	48899215	48899405	48899310	8	8	5	1.43836304	0.235762	ENSG00000138600
15	48908284	48908583	48908448	9	12	8	1.385090334	0.219216	ENSG00000138600
15	48910607	48910793	48910652	8	10	4	2.109599125	0.0694668	ENSG00000138600
15	48927143	48927331	48927157	8	8	6	1.232882605	0.333038 AP4E1	ENSG00000081014
15	48927996	48928212	48928114	10	11	1	5.753452158	0.00215302 AP4E1	ENSG00000081014
15	48933462	48933641	48933552	8	8	4	1.726035648	0.150596 AP4E1	ENSG00000081014
15	48934066	48935068	48934245	21	60	32	1.77252819	0.00324193 AP4E1	ENSG00000081014
15	48936093	48936361	48936227	9	11	7	1.43836304	0.204844 AP4E1	ENSG00000081014
15	48936949	48937143	48937029	8	8	8	0.958908693	0.534974 AP4E1	ENSG00000081014
15	48956366	48956842	48956581	26	38	31	1.16866997	0.254509 AP4E1	ENSG00000081014
15	48959756	48960188	48960025	9	17	13	1.232882605	0.274309 AP4E1	ENSG00000081014
15	48965236	48965786	48965511	19	38	9	3.739743903	1.43E-05 AP4E1	ENSG00000081014
15	48987026	48987473	48987361	8	16	14	1.086763185	0.404922 AP4E1	ENSG00000081014
15	48987870	48988393	48988079	30	40	18	2.069224022	0.00311868 AP4E1	ENSG00000081014
15	48988546	48988963	48988782	13	24	11	1.997726444	0.0196649 AP4E1	ENSG00000081014
15	48989969	48990217	48990093	8	10	6	1.506856518	0.188853 AP4E1	ENSG00000081014
15	49012024	49012335	49012165	10	14	3	3.595907599	0.00486913 AP4E1	ENSG00000081014
15	49023709	49023955	49023826	9	12	4	2.493162602	0.0299057 AP4E1	ENSG00000081014
15	49043392	49043574	49043524	8	8	2	2.876726079	0.0381137 AP4E1	ENSG00000081014
15	49062501	49062948	49062675	8	17	7	2.157544559	0.0276499 AP4E1	ENSG00000081014
15	49126818	49127068	49126943	8	12	7	1.558226626	0.152813 TNFAIP8L3	ENSG00000183578
15	49128675	49128870	49128772	8	9	7	1.198635866	0.346278 TNFAIP8L3	ENSG00000183578
15	49132081	49132280	49132180	8	9	13	0.684934781	0.824961 TNFAIP8L3	ENSG00000183578
15	49138535	49138750	49138619	8	9	10	0.871735176	0.624623 TNFAIP8L3	ENSG00000183578
15	49148852	49149062	49148961	9	10	8	1.171999514	0.35773 TNFAIP8L3	ENSG00000183578
15	49149826	49150043	49149938	9	10	2	3.515998541	0.0136204 TNFAIP8L3	ENSG00000183578
15	49154368	49154569	49154468	8	10	7	1.318499453	0.269217 TNFAIP8L3	ENSG00000183578
15	49159634	49160208	49159952	37	60	11	4.874452523	2.20E-09 TNFAIP8L3	ENSG00000183578
15	49175215	49175449	49175325	10	13	4	2.684944341	0.01921 TNFAIP8L3	ENSG00000183578
15	49176544	49176792	49176653	9	9	8	1.065454103	0.442605 TNFAIP8L3	ENSG00000183578
15	49177039	49177241	49177114	9	10	6	1.506856518	0.188853 TNFAIP8L3	ENSG00000183578
15	49188266	49188623	49188444	8	12	3	3.116453252	0.0131971 TNFAIP8L3	ENSG00000183578

15	49191805	49192139	49191962	8	12	9	1.246581301	0.295061	TNFAIP8L3	ENSG00000183578
15	49196944	49197164	49197054	8	9	2	3.19636231	0.0229249	TNFAIP8L3	ENSG00000183578
15	49200644	49200920	49200787	9	12	13	0.890415215	0.619237	TNFAIP8L3	ENSG00000183578
15	49212395	49212695	49212542	10	14	5	2.397271733	0.0258078	TNFAIP8L3	ENSG00000183578
15	49235295	49235503	49235399	8	9	5	1.598181155	0.170911	TNFAIP8L3	ENSG00000183578
15	49242376	49243030	49242550	23	38	20	1.78083043	0.0139648	TNFAIP8L3	ENSG00000183578
15	49247231	49247529	49247380	10	11	6	1.643843474	0.137712	TNFAIP8L3	ENSG00000183578
15	49251188	49251373	49251280	8	9	3	2.397271733	0.0539397	TNFAIP8L3	ENSG00000183578
15	49251626	49251865	49251745	8	9	2	3.19636231	0.0229249	TNFAIP8L3	ENSG00000183578
15	49272090	49272818	49272296	21	39	23	1.598181155	0.0315891	CYP19A1	ENSG00000137869
15	49278592	49278878	49278735	10	14	10	1.307602763	0.244096	CYP19A1	ENSG00000137869
15	49281788	49281984	49281857	9	10	5	1.757999271	0.121253	CYP19A1	ENSG00000137869
15	49294084	49294283	49294163	8	8	4	1.726035648	0.150596	CYP19A1	ENSG00000137869
15	49296967	49297242	49297104	9	14	3	3.595907599	0.00486913	CYP19A1	ENSG00000137869
15	49307954	49308287	49308120	12	17	3	4.315089119	0.00102271	CYP19A1	ENSG00000137869
15	49309703	49309992	49309826	10	14	4	2.876726079	0.01219	CYP19A1	ENSG00000137869
15	49313423	49313602	49313547	8	8	2	2.876726079	0.0381137	CYP19A1	ENSG00000137869
15	49323279	49323615	49323447	18	23	8	2.557089848	0.00494559	CYP19A1	ENSG00000137869
15	49324010	49324271	49324133	8	11	8	1.278544924	0.28289	CYP19A1	ENSG00000137869
15	49330939	49331244	49331070	10	11	17	0.639272462	0.890352	CYP19A1	ENSG00000137869
15	49344687	49345015	49344851	10	14	5	2.397271733	0.0258078	CYP19A1	ENSG00000137869
15	49346057	49346296	49346176	11	12	6	1.78083043	0.0985525	CYP19A1	ENSG00000137869
15	49355228	49355711	49355407	8	16	7	2.037680973	0.0400399	CYP19A1	ENSG00000137869
15	49359940	49360288	49360114	8	13	6	1.917817386	0.0693353	CYP19A1	ENSG00000137869
15	49360799	49361253	49361074	14	25	10	2.266511456	0.00802978	CYP19A1	ENSG00000137869
15	49366121	49366387	49366253	8	12	9	1.246581301	0.295061	CYP19A1	ENSG00000137869
15	49377678	49378042	49377903	8	14	7	1.797953799	0.0806593	CYP19A1	ENSG00000137869
15	49378087	49378430	49378258	8	13	4	2.684944341	0.01921	CYP19A1	ENSG00000137869
15	49395355	49395865	49395695	11	22	4	4.410979988	0.000231863	CYP19A1	ENSG00000137869
15	49404378	49404737	49404510	9	13	5	2.237453617	0.038866	CYP19A1	ENSG00000137869
15	49406629	49406849	49406728	9	10	7	1.318499453	0.269217	CYP19A1	ENSG00000137869
15	49420080	49420272	49420179	8	8	3	2.157544559	0.0836802	GLDN	ENSG00000186417
15	49420424	49420704	49420564	8	10	5	1.757999271	0.121253	GLDN	ENSG00000186417
15	49422485	49422742	49422624	8	9	4	1.917817386	0.103282	GLDN	ENSG00000186417

15	49456608	49456810	49456707	8	10	4	2.109599125	0.0694668	GLDN	ENSG00000186417
15	49460764	49461235	49460943	11	20	15	1.25856766	0.240048	GLDN	ENSG00000186417
15	49461672	49461953	49461812	8	10	9	1.054799562	0.4492	GLDN	ENSG00000186417
15	49462260	49462771	49462544	13	24	10	2.179337939	0.011585	GLDN	ENSG00000186417
15	49468068	49468281	49468174	8	10	5	1.757999271	0.121253	GLDN	ENSG00000186417
15	49481597	49481864	49481727	9	13	7	1.678090213	0.11195	GLDN	ENSG00000186417
15	49482748	49483394	49482958	16	35	11	2.876726079	0.000294022	GLDN	ENSG00000186417
15	49504274	49504634	49504453	9	15	12	1.180195315	0.324974	GLDN	ENSG00000186417
15	49526942	49527160	49527060	8	8	2	2.876726079	0.0381137	GLDN	ENSG00000186417
15	49555861	49556229	49556115	9	14	3	3.595907599	0.00486913	GLDN	ENSG00000186417
15	49573396	49573612	49573494	9	9	1	4.794543465	0.00708517	GLDN	ENSG00000186417
15	49574028	49574383	49574205	12	18	13	1.301376083	0.22245	GLDN	ENSG00000186417
15	49578927	49579284	49579105	8	14	16	0.846095906	0.68298	GLDN	ENSG00000186417
15	49626230	49626530	49626380	8	13	6	1.917817386	0.0693353	DMXL2	ENSG00000104093
15	49634851	49635038	49634944	8	9	6	1.369869562	0.253675	DMXL2	ENSG00000104093
15	49656150	49656341	49656244	8	8	5	1.43836304	0.235762	DMXL2	ENSG00000104093
15	49656676	49656955	49656788	10	14	5	2.397271733	0.0258078	DMXL2	ENSG00000104093
15	49669558	49669881	49669719	9	12	4	2.493162602	0.0299057	DMXL2	ENSG00000104093
15	49679737	49680039	49679888	10	13	9	1.34247217	0.232231	DMXL2	ENSG00000104093
15	49700569	49700828	49700698	11	14	4	2.876726079	0.01219	DMXL2	ENSG00000104093
15	49701019	49701776	49701385	9	32	17	1.757999271	0.0235073	DMXL2	ENSG00000104093
15	49701781	49701984	49701850	9	9	7	1.198635866	0.346278	DMXL2	ENSG00000104093
15	49702188	49702440	49702314	8	11	6	1.643843474	0.137712	DMXL2	ENSG00000104093
15	49702446	49702718	49702582	11	15	10	1.394776281	0.191426	DMXL2	ENSG00000104093
15	49703845	49704070	49703957	10	10	6	1.506856518	0.188853	DMXL2	ENSG00000104093
15	49721193	49721455	49721324	10	12	6	1.78083043	0.0985525	DMXL2	ENSG00000104093
15	49722266	49722483	49722405	8	9	8	1.065454103	0.442605	DMXL2	ENSG00000104093
15	49729450	49729858	49729679	15	23	9	2.301380863	0.00938618	DMXL2	ENSG00000104093
15	49759170	49759406	49759290	10	11	8	1.278544924	0.28289	SCG3	ENSG00000104112
15	49767140	49767398	49767236	10	12	4	2.493162602	0.0299057	SCG3	ENSG00000104112
15	49767827	49768037	49767974	8	10	3	2.636998906	0.034203	SCG3	ENSG00000104112
15	49771868	49772200	49772034	8	13	7	1.678090213	0.11195	SCG3	ENSG00000104112
15	49787103	49787305	49787209	8	8	4	1.726035648	0.150596	SCG3	ENSG00000104112
15	49787478	49787894	49787664	9	17	12	1.327719729	0.212795	SCG3	ENSG00000104112

15	49794964	49795245	49795095	8	11	5	1.917817386	0.0843804	LYSMD2	ENSG00000140280
15	49798286	49798605	49798445	9	15	7	1.917817386	0.0572317	LYSMD2	ENSG00000140280
15	49799658	49800008	49799906	8	13	11	1.118726809	0.38479	LYSMD2	ENSG00000140280
15	49805699	49806363	49806032	24	49	23	1.997726444	0.00189367	LYSMD2	ENSG00000140280
15	49806413	49806876	49806633	8	18	14	1.214617678	0.282961	LYSMD2	ENSG00000140280
15	49812127	49812431	49812279	14	18	3	4.554816292	0.000599415	LYSMD2	ENSG00000140280
15	49815956	49816592	49816446	10	23	15	1.43836304	0.12479	LYSMD2	ENSG00000140280
15	49818288	49819060	49818722	39	66	17	3.569271246	4.97E-08	LYSMD2	ENSG00000140280
15	49831623	49832310	49831882	11	27	29	0.894981447	0.664076	TMOD2	ENSG00000128872
15	49838280	49838816	49838637	9	21	7	2.636998906	0.00562102	TMOD2	ENSG00000128872
15	49839105	49839705	49839526	10	25	6	3.56166086	0.000408555	TMOD2	ENSG00000128872
15	49855515	49856301	49855751	14	39	26	1.420605471	0.0759455	TMOD2	ENSG00000128872
15	49856534	49857102	49856688	13	27	12	2.0653418	0.0117911	TMOD2	ENSG00000128872
15	49860941	49861127	49861034	9	10	10	0.958908693	0.538751	TMOD2	ENSG00000128872
15	49862321	49862565	49862445	8	9	4	1.917817386	0.103282	TMOD2	ENSG00000128872
15	49865905	49866144	49866042	8	11	8	1.278544924	0.28289	TMOD2	ENSG00000128872
15	49877670	49878031	49877811	10	15	9	1.534253909	0.136498	TMOD3	ENSG00000138594
15	49878589	49878803	49878719	10	11	6	1.643843474	0.137712	TMOD3	ENSG00000138594
15	49880997	49881440	49881140	9	17	19	0.863017824	0.676008	TMOD3	ENSG00000138594
15	49883546	49883762	49883628	8	9	3	2.397271733	0.0539397	TMOD3	ENSG00000138594
15	49892944	49893128	49893036	8	9	8	1.065454103	0.442605	TMOD3	ENSG00000138594
15	49908906	49909311	49909003	9	16	13	1.164389127	0.333296	TMOD3	ENSG00000138594
15	49909708	49910286	49909973	10	23	22	1.000600375	0.498356	TMOD3	ENSG00000138594
15	49916647	49916846	49916765	8	8	3	2.157544559	0.0836802	TMOD3	ENSG00000138594
15	49918495	49918809	49918652	9	14	5	2.397271733	0.0258078	TMOD3	ENSG00000138594
15	49924401	49924635	49924552	8	11	3	2.876726079	0.0213797	TMOD3	ENSG00000138594
15	49925737	49926131	49925878	11	16	5	2.716907964	0.0109645	TMOD3	ENSG00000138594
15	49926950	49927318	49927193	9	13	6	1.917817386	0.0693353	TMOD3	ENSG00000138594
15	49928265	49928498	49928381	9	9	8	1.065454103	0.442605	TMOD3	ENSG00000138594
15	49931312	49931592	49931467	8	11	6	1.643843474	0.137712	TMOD3	ENSG00000138594
15	49933298	49933607	49933452	9	10	9	1.054799562	0.4492	TMOD3	ENSG00000138594
15	49934864	49935121	49934975	10	10	6	1.506856518	0.188853	TMOD3	ENSG00000138594
15	49938505	49938728	49938662	8	8	6	1.232882605	0.333038		ENSG00000207484
15	49938870	49939052	49939023	8	9	7	1.198635866	0.346278		ENSG00000207484

15	49939786	49940039	49939934	10	10	6	1.506856518	0.188853		ENSG00000207484
15	49943797	49944535	49944168	88	144	14	9.2694507	9.62E-28		ENSG00000207484
15	49949761	49950070	49949919	13	15	13	1.095895649	0.398774		ENSG00000207484
15	49967810	49968026	49967981	8	9	7	1.198635866	0.346278		ENSG00000207484
15	49973295	49973474	49973387	8	8	5	1.43836304	0.235762		ENSG00000207484
15	49977371	49977709	49977543	8	11	3	2.876726079	0.0213797		ENSG00000202323
15	49985367	49985804	49985625	12	22	12	1.696530765	0.057768		ENSG00000202323
15	49986997	49987494	49987156	16	31	14	2.045671879	0.00841532		ENSG00000202323
15	49997078	49997392	49997235	16	20	4	4.027416511	0.000652226		ENSG00000202323
15	50001206	50001434	50001376	8	9	10	0.871735176	0.624623		ENSG00000202323
15	50021471	50021773	50021610	9	12	7	1.558226626	0.152813	LEO1	ENSG00000166477
15	50049279	50049550	50049418	8	10	7	1.318499453	0.269217	LEO1	ENSG00000166477
15	50050309	50050847	50050653	8	19	9	1.917817386	0.0394029	LEO1	ENSG00000166477
15	50050869	50051661	50051309	22	49	31	1.498294833	0.0345532	LEO1	ENSG00000166477
15	50061699	50062090	50061920	14	21	11	1.757999271	0.0516118	LEO1	ENSG00000166477
15	50070734	50071056	50070894	10	14	6	2.054804342	0.0480281	LEO1	ENSG00000166477
15	50071078	50071344	50071241	8	12	12	0.958908693	0.542188	LEO1	ENSG00000166477
15	50075538	50075790	50075681	8	11	7	1.43836304	0.204844	MAPK6	ENSG00000069956
15	50084347	50084622	50084472	12	15	9	1.534253909	0.136498	MAPK6	ENSG00000069956
15	50090490	50090689	50090589	9	9	3	2.397271733	0.0539397	MAPK6	ENSG00000069956
15	50092698	50092924	50092811	8	8	2	2.876726079	0.0381137	MAPK6	ENSG00000069956
15	50098330	50098882	50098709	11	21	12	1.622768557	0.076896	MAPK6	ENSG00000069956
15	50099278	50100283	50100116	10	38	27	1.335622822	0.118053	MAPK6	ENSG00000069956
15	50100603	50101060	50100831	20	31	10	2.789552562	0.000751584	MAPK6	ENSG00000069956
15	50101922	50102138	50102036	8	9	3	2.397271733	0.0539397	MAPK6	ENSG00000069956
15	50123690	50123869	50123836	8	9	2	3.19636231	0.0229249	MAPK6	ENSG00000069956
15	50156433	50157056	50156631	41	61	10	5.404758088	3.97E-10	MAPK6	ENSG00000069956
15	50157903	50158291	50158082	8	15	10	1.394776281	0.191426	MAPK6	ENSG00000069956
15	50158428	50158659	50158548	8	10	15	0.659249726	0.861705	MAPK6	ENSG00000069956
15	50180462	50180670	50180566	8	10	1	5.273997812	0.00391723	BCL2L10	ENSG00000137875
15	50186359	50186538	50186488	8	8	4	1.726035648	0.150596	BCL2L10	ENSG00000137875
15	50203999	50204319	50204168	8	13	10	1.220429246	0.306001	BCL2L10	ENSG00000137875
15	50219376	50219697	50219529	19	24	10	2.179337939	0.011585		ENSG00000206995
15	50219873	50220136	50219979	8	11	4	2.301380863	0.0459276		ENSG00000206995

15	50241209	50241435	50241307	10	10	7	1.318499453	0.269217		ENSG00000206995
15	50250976	50251266	50251133	9	13	10	1.220429246	0.306001	GNB5	ENSG00000069966
15	50251270	50251466	50251378	8	11	6	1.643843474	0.137712	GNB5	ENSG00000069966
15	50257476	50257851	50257631	9	15	14	1.022835939	0.473606	GNB5	ENSG00000069966
15	50258480	50258935	50258777	14	26	10	2.353684974	0.00551687	GNB5	ENSG00000069966
15	50265903	50266147	50265997	8	10	5	1.757999271	0.121253	GNB5	ENSG00000069966
15	50271277	50271574	50271408	11	13	4	2.684944341	0.01921	GNB5	ENSG00000069966
15	50273133	50273454	50273302	8	11	5	1.917817386	0.0843804	GNB5	ENSG00000069966
15	50276436	50276767	50276605	11	15	5	2.557089848	0.0169197	GNB5	ENSG00000069966
15	50281998	50282285	50282117	10	14	5	2.397271733	0.0258078	GNB5	ENSG00000069966
15	50287798	50288430	50288083	17	31	28	1.058106144	0.411497	GNB5	ENSG00000069966
15	50296651	50296918	50296763	14	17	12	1.327719729	0.212795	GNB5	ENSG00000069966
15	50299612	50299881	50299723	9	10	4	2.109599125	0.0694668	GNB5	ENSG00000069966
15	50300804	50301025	50300856	8	11	6	1.643843474	0.137712	GNB5	ENSG00000069966
15	50306934	50307323	50307128	10	19	10	1.743470351	0.0622604	GNB5	ENSG00000069966
15	50308654	50308886	50308741	8	9	5	1.598181155	0.170911	GNB5	ENSG00000069966
15	50314066	50314440	50314261	8	15	6	2.191791298	0.0328001		ENSG00000221052
15	50324715	50324923	50324852	8	8	8	0.958908693	0.534974		ENSG00000221052
15	50332234	50332650	50332442	30	40	9	3.931525642	5.49E-06		ENSG00000221052
15	50335826	50336183	50336004	29	34	13	2.397271733	0.00167395		ENSG00000221052
15	50343605	50344005	50343771	9	15	7	1.917817386	0.0572317		ENSG00000221052
15	50348454	50348653	50348515	8	10	1	5.273997812	0.00391723		ENSG00000221052
15	50355690	50355885	50355727	8	9	8	1.065454103	0.442605		ENSG00000221052
15	50359244	50359472	50359323	8	10	7	1.318499453	0.269217		ENSG00000221052
15	50367724	50368318	50368029	27	46	19	2.253435429	0.000687359	MYO5C	ENSG00000128833
15	50368344	50368663	50368503	8	13	3	3.356180426	0.00805599	MYO5C	ENSG00000128833
15	50372008	50372254	50372131	8	9	0	9.589086931	0.00120187	MYO5C	ENSG00000128833
15	50373047	50373292	50373167	8	9	5	1.598181155	0.170911	MYO5C	ENSG00000128833
15	50373914	50374372	50374210	10	18	11	1.518272097	0.122037	MYO5C	ENSG00000128833
15	50375078	50375393	50375235	11	13	8	1.491635745	0.166708	MYO5C	ENSG00000128833
15	50388611	50388800	50388705	8	8	7	1.07877228	0.435076	MYO5C	ENSG00000128833
15	50398174	50398396	50398285	8	8	4	1.726035648	0.150596	MYO5C	ENSG00000128833
15	50410897	50411353	50411110	21	33	11	2.716907964	0.000672572	MYO5A	ENSG00000197535
15	50414152	50414745	50414480	23	39	3	9.589086931	3.26E-09	MYO5A	ENSG00000197535

15	50415851	50416616	50416080	11	32	16	1.861410992	0.0155206	MYO5A	ENSG00000197535
15	50419237	50419600	50419423	13	19	9	1.917817386	0.0394029	MYO5A	ENSG00000197535
15	50419636	50420560	50420394	31	71	12	5.310878915	2.43E-11	MYO5A	ENSG00000197535
15	50420816	50421092	50420974	10	11	7	1.43836304	0.204844	MYO5A	ENSG00000197535
15	50424228	50424488	50424324	10	13	4	2.684944341	0.01921	MYO5A	ENSG00000197535
15	50429894	50430159	50430026	9	11	1	5.753452158	0.00215302	MYO5A	ENSG00000197535
15	50442740	50442996	50442868	8	9	2	3.19636231	0.0229249	MYO5A	ENSG00000197535
15	50446411	50446709	50446560	10	16	8	1.811271976	0.0663685	MYO5A	ENSG00000197535
15	50446721	50446998	50446823	13	14	10	1.307602763	0.244096	MYO5A	ENSG00000197535
15	50448475	50448855	50448612	10	15	11	1.278544924	0.254978	MYO5A	ENSG00000197535
15	50451603	50451920	50451770	8	11	4	2.301380863	0.0459276	MYO5A	ENSG00000197535
15	50453463	50453664	50453572	8	8	4	1.726035648	0.150596	MYO5A	ENSG00000197535
15	50463046	50463285	50463165	9	10	5	1.757999271	0.121253	MYO5A	ENSG00000197535
15	50464068	50464290	50464179	9	9	3	2.397271733	0.0539397	MYO5A	ENSG00000197535
15	50465194	50465431	50465312	8	11	5	1.917817386	0.0843804	MYO5A	ENSG00000197535
15	50471601	50472160	50471937	25	44	17	2.397271733	0.000451161	MYO5A	ENSG00000197535
15	50517210	50517533	50517368	9	14	8	1.598181155	0.124586	MYO5A	ENSG00000197535
15	50520917	50521186	50521051	9	10	8	1.171999514	0.35773	MYO5A	ENSG00000197535
15	50531637	50531892	50531764	10	12	9	1.246581301	0.295061	MYO5A	ENSG00000197535
15	50544591	50544817	50544725	10	10	6	1.506856518	0.188853	MYO5A	ENSG00000197535
15	50576336	50576546	50576441	9	10	3	2.636998906	0.034203		ENSG00000174057
15	50597452	50597649	50597574	8	8	10	0.784561658	0.708731	MYO5A	ENSG00000197535
15	50607139	50607474	50607307	10	13	5	2.237453617	0.038866	MYO5A	ENSG00000197535
15	50637386	50638171	50637771	40	69	15	4.195225532	1.84E-09		ENSG00000128989
15	50643093	50643392	50643242	9	11	5	1.917817386	0.0843804		ENSG00000128989
15	50644949	50645284	50645116	11	15	12	1.180195315	0.324974		ENSG00000128989
15	50646377	50646743	50646556	10	17	14	1.150690432	0.340986		ENSG00000128989
15	50647240	50647887	50647553	10	28	19	1.390417605	0.124062		ENSG00000128989
15	50647894	50648223	50648060	9	13	20	0.639272462	0.907338		ENSG00000128989
15	50648550	50648940	50648683	14	20	11	1.678090213	0.0696225		ENSG00000128989
15	50653699	50653922	50653810	8	8	4	1.726035648	0.150596		ENSG00000128989
15	50665938	50666212	50666075	10	12	7	1.558226626	0.152813		ENSG00000128989
15	50714639	50714839	50714739	8	8	3	2.157544559	0.0836802	KIAA1370	ENSG00000047346
15	50732181	50732457	50732292	8	10	4	2.109599125	0.0694668	KIAA1370	ENSG00000047346

15	50732947	50733498	50733265	16	36	20	1.689505793	0.0242828	KIAA1370	ENSG00000047346
15	50737245	50737548	50737378	10	12	1	6.232906505	0.00117736	KIAA1370	ENSG00000047346
15	50742444	50742858	50742692	8	15	7	1.917817386	0.0572317	KIAA1370	ENSG00000047346
15	50743005	50744258	50743261	79	141	15	8.510314651	2.83E-26	KIAA1370	ENSG00000047346
15	50757424	50758544	50757943	14	53	33	1.52297263	0.0252064	KIAA1370	ENSG00000047346
15	50758729	50759293	50758927	20	36	15	2.217476353	0.00255902	KIAA1370	ENSG00000047346
15	50759339	50759548	50759486	8	11	5	1.917817386	0.0843804	KIAA1370	ENSG00000047346
15	50774710	50775189	50774868	23	34	25	1.290838625	0.158753	KIAA1370	ENSG00000047346
15	50789071	50789598	50789419	17	30	11	2.47718079	0.00221867	ONECUT1	ENSG00000169856
15	50789667	50790177	50789929	9	22	8	2.450544438	0.0073921	ONECUT1	ENSG00000169856
15	50802448	50802689	50802558	9	9	5	1.598181155	0.170911	ONECUT1	ENSG00000169856
15	50814731	50814973	50814852	9	10	9	1.054799562	0.4492	ONECUT1	ENSG00000169856
15	50815030	50815280	50815149	9	11	13	0.821921737	0.693119	ONECUT1	ENSG00000169856
15	50832399	50832616	50832507	9	10	5	1.757999271	0.121253	ONECUT1	ENSG00000169856
15	50834960	50835219	50835085	8	9	4	1.917817386	0.103282	ONECUT1	ENSG00000169856
15	50837301	50837528	50837414	8	9	11	0.799090578	0.702688	ONECUT1	ENSG00000169856
15	50848954	50849204	50849079	8	9	9	0.958908693	0.536911	ONECUT1	ENSG00000169856
15	50849425	50849727	50849576	8	11	7	1.43836304	0.204844	ONECUT1	ENSG00000169856
15	50852193	50852415	50852305	10	11	5	1.917817386	0.0843804	ONECUT1	ENSG00000169856
15	50855955	50856207	50856081	9	13	5	2.237453617	0.038866	ONECUT1	ENSG00000169856
15	50859885	50860803	50860279	18	51	26	1.846787113	0.00380886	ONECUT1	ENSG00000169856
15	50870361	50870543	50870452	9	10	3	2.636998906	0.034203	ONECUT1	ENSG00000169856
15	50875974	50876265	50876119	10	15	8	1.704726565	0.0916153	ONECUT1	ENSG00000169856
15	50881809	50882095	50881963	9	10	4	2.109599125	0.0694668	ONECUT1	ENSG00000169856
15	50884224	50884489	50884336	8	9	11	0.799090578	0.702688	ONECUT1	ENSG00000169856
15	50889209	50889469	50889338	8	9	13	0.684934781	0.824961	ONECUT1	ENSG00000169856
15	50898926	50899157	50899037	10	10	2	3.515998541	0.0136204	ONECUT1	ENSG00000169856
15	50899943	50900136	50900045	8	8	3	2.157544559	0.0836802	ONECUT1	ENSG00000169856
15	50902032	50902467	50902211	10	19	2	6.39272462	8.83E-05	ONECUT1	ENSG00000169856
15	50902587	50902777	50902682	8	9	4	1.917817386	0.103282	ONECUT1	ENSG00000169856
15	50921285	50921500	50921379	8	11	2	3.835634772	0.00800699		ENSG00000214896
15	50937575	50937820	50937689	12	13	6	1.917817386	0.0693353		ENSG00000214896
15	50940996	50941252	50941142	8	10	2	3.515998541	0.0136204		ENSG00000214896
15	50946734	50946913	50946799	8	8	9	0.863017824	0.627343		ENSG00000214896

15	50947845	50948103	50948021	8	11	3	2.876726079	0.0213797	ENSG00000214896
15	50962598	50962820	50962699	9	10	7	1.318499453	0.269217	ENSG00000214896
15	50974923	50975193	50975079	8	10	6	1.506856518	0.188853	ENSG00000214896
15	50999663	50999894	50999778	8	10	8	1.171999514	0.35773	ENSG00000221274
15	51003097	51003577	51003276	9	18	13	1.301376083	0.22245	ENSG00000221274
15	51040189	51040447	51040318	8	12	9	1.246581301	0.295061	ENSG00000221274
15	51043643	51044002	51043801	11	17	5	2.876726079	0.00703033	ENSG00000221274
15	51048580	51048807	51048710	8	9	7	1.198635866	0.346278	ENSG00000221274
15	51054865	51055305	51055044	9	18	7	2.277408146	0.0188653	ENSG00000221274
15	51064480	51064667	51064573	9	10	1	5.273997812	0.00391723	ENSG00000221274
15	51092589	51092960	51092721	12	19	4	3.835634772	0.00108365	ENSG00000221274
15	51103951	51104155	51104053	9	9	3	2.397271733	0.0539397	ENSG00000221274
15	51114543	51114816	51114679	10	12	4	2.493162602	0.0299057	ENSG00000221274
15	51125267	51125568	51125406	12	15	4	3.068507818	0.0076507	ENSG00000221274
15	51125617	51125891	51125774	9	12	6	1.78083043	0.0985525	ENSG00000221274
15	51128645	51128876	51128787	8	10	4	2.109599125	0.0694668	ENSG00000221274
15	51150013	51150264	51150090	8	9	2	3.19636231	0.0229249	ENSG00000221274
15	51151434	51152115	51151685	44	86	30	2.691130848	2.11E-07	ENSG00000221274
15	51156082	51156633	51156336	9	21	18	1.110315329	0.366889	ENSG00000221274
15	51186031	51186355	51186199	10	13	1	6.712360851	0.000640982	ENSG00000221274
15	51200074	51200296	51200174	9	11	16	0.676876725	0.854566	ENSG00000221274
15	51202484	51202799	51202641	12	17	8	1.917817386	0.0474153	ENSG00000221274
15	51207700	51207991	51207845	8	11	4	2.301380863	0.0459276	ENSG00000221274
15	51242254	51242794	51242554	8	18	10	1.656296833	0.0841786	ENSG00000221274
15	51244307	51244511	51244342	8	9	12	0.737622072	0.769563	ENSG00000221274
15	51272837	51273021	51272930	8	9	11	0.799090578	0.702688	ENSG00000221274
15	51274839	51275018	51274941	8	8	8	0.958908693	0.534974	ENSG00000221274
15	51276556	51276798	51276677	8	11	5	1.917817386	0.0843804	ENSG00000221274
15	51276828	51277355	51277069	14	27	13	1.917817386	0.0192196	ENSG00000221274
15	51280981	51281249	51281154	11	14	3	3.595907599	0.00486913	ENSG00000221274
15	51291519	51291751	51291658	9	10	5	1.757999271	0.121253	ENSG00000221274
15	51327307	51327486	51327375	8	8	3	2.157544559	0.0836802	ENSG00000221274
15	51335531	51335710	51335615	8	8	1	4.315089119	0.0127267	ENSG00000221274
15	51387283	51387567	51387429	8	11	6	1.643843474	0.137712	ENSG00000210932

15	51398277	51398593	51398424	10	13	7	1.678090213	0.11195	ENSG00000210932
15	51437841	51438083	51437948	8	9	1	4.794543465	0.00708517	ENSG00000210932
15	51441166	51441394	51441337	10	11	4	2.301380863	0.0459276	ENSG00000210932
15	51447081	51447272	51447177	8	8	6	1.232882605	0.333038	ENSG00000210932
15	51459143	51459361	51459244	8	10	8	1.171999514	0.35773	ENSG00000210932
15	51463956	51464285	51464120	12	16	12	1.253957522	0.265012	ENSG00000210932
15	51475802	51476019	51475910	9	11	11	0.958908693	0.540507	ENSG00000210932
15	51477301	51478050	51477660	16	36	8	3.942180183	1.41E-05	ENSG00000210932
15	51479202	51479490	51479354	8	11	12	0.885146486	0.620672	ENSG00000210932
15	51515374	51515562	51515414	8	9	5	1.598181155	0.170911	ENSG00000210932
15	51530993	51531172	51531081	8	8	9	0.863017824	0.627343	ENSG00000210932
15	51543778	51544047	51543912	10	10	6	1.506856518	0.188853	ENSG00000210932
15	51552407	51552858	51552578	10	16	8	1.811271976	0.0663685	ENSG00000210932
15	51570184	51570399	51570301	11	11	1	5.753452158	0.00215302	ENSG00000210932
15	51602526	51602790	51602686	8	11	6	1.643843474	0.137712	ENSG00000210932
15	51605010	51605250	51605130	10	12	5	2.077635502	0.0577144	ENSG00000210932
15	51619775	51620061	51619918	8	11	3	2.876726079	0.0213797	ENSG00000210932
15	51639116	51639334	51639225	8	8	1	4.315089119	0.0127267	ENSG00000210932
15	51643216	51643413	51643359	9	11	7	1.43836304	0.204844	ENSG00000210932
15	51666348	51666596	51666476	9	10	2	3.515998541	0.0136204	ENSG00000210932
15	51690282	51690481	51690381	8	10	1	5.273997812	0.00391723	ENSG00000210932
15	51704936	51705215	51705075	9	12	7	1.558226626	0.152813	ENSG00000210932
15	51717749	51718146	51717928	11	19	5	3.19636231	0.00280933	ENSG00000210932
15	51750832	51751017	51751000	8	8	3	2.157544559	0.0836802	ENSG00000210932
15	51755268	51755789	51755442	45	61	5	9.908723162	2.32E-13	ENSG00000210932
15	51796381	51796666	51796525	8	11	12	0.885146486	0.620672	WDR72 ENSG00000166415
15	51826783	51827135	51826960	8	12	7	1.558226626	0.152813	WDR72 ENSG00000166415
15	51838501	51838701	51838556	8	8	7	1.07877228	0.435076	WDR72 ENSG00000166415
15	51847469	51847649	51847559	8	9	7	1.198635866	0.346278	ENSG00000206641
15	51887498	51887914	51887677	9	18	6	2.602752167	0.00970422	ENSG00000206641
15	51891117	51891343	51891214	8	10	10	0.958908693	0.538751	ENSG00000206641
15	51923739	51924007	51923893	9	13	1	6.712360851	0.000640982	ENSG00000206641
15	51930714	51930897	51930803	9	9	2	3.19636231	0.0229249	ENSG00000206641
15	51954788	51955026	51954907	8	9	11	0.799090578	0.702688	ENSG00000206641

15	51955193	51955379	51955286	8	8	5	1.43836304	0.235762	ENSG00000206641
15	51963968	51964414	51964138	18	27	3	6.712360851	3.92E-06	ENSG00000206641
15	51978900	51979159	51979029	9	11	3	2.876726079	0.0213797	ENSG00000206641
15	51989220	51990122	51989820	238	327	5	52.42034189	1.57E-87	ENSG00000206641
15	51995931	51996365	51996098	9	15	8	1.704726565	0.0916153	ENSG00000206641
15	51997983	51998367	51998156	8	14	14	0.958908693	0.545362	ENSG00000206641
15	52042424	52042754	52042595	14	18	6	2.602752167	0.00970422	ENSG00000206641
15	52056552	52056744	52056615	8	9	7	1.198635866	0.346278	ENSG00000206641
15	52067525	52067712	52067605	8	8	2	2.876726079	0.0381137	ENSG00000206641
15	52070180	52070432	52070324	8	11	6	1.643843474	0.137712	ENSG00000206641
15	52071979	52072180	52072079	9	9	3	2.397271733	0.0539397	ENSG00000206641
15	52127823	52128032	52127907	9	10	2	3.515998541	0.0136204	UNC13C ENSG00000137766
15	52148723	52148914	52148818	8	8	6	1.232882605	0.333038	UNC13C ENSG00000137766
15	52188471	52188655	52188563	8	8	1	4.315089119	0.0127267	UNC13C ENSG00000137766
15	52235730	52235955	52235842	10	10	3	2.636998906	0.034203	UNC13C ENSG00000137766
15	52244361	52244559	52244457	8	8	4	1.726035648	0.150596	UNC13C ENSG00000137766
15	52259680	52259877	52259778	8	8	3	2.157544559	0.0836802	UNC13C ENSG00000137766
15	52296951	52297148	52297067	8	9	4	1.917817386	0.103282	UNC13C ENSG00000137766
15	52339420	52339752	52339579	9	11	1	5.753452158	0.00215302	UNC13C ENSG00000137766
15	53276535	53276791	53276650	10	12	4	2.493162602	0.0299057	C15orf15 ENSG00000137876
15	54073477	54073696	54073635	9	10	5	1.757999271	0.121253	NEDD4 ENSG00000069869
15	54284618	54284974	54284796	40	46	1	22.53435429	4.53E-13	RFX7 ENSG00000181827
15	54319641	54320303	54320097	50	72	2	23.33344486	3.30E-19	RFX7 ENSG00000181827
15	54325521	54325874	54325697	13	19	6	2.739739123	0.00632909	RFX7 ENSG00000181827
15	54448766	54449152	54448945	13	20	3	5.034270639	0.000202317	TEX9 ENSG00000151575
15	54709925	54710237	54710074	20	22	1	11.02744997	2.36E-06	ENSG00000211017
15	54901288	54901591	54901439	9	10	1	5.273997812	0.00391723	ENSG00000140238
15	54967118	54967346	54967276	8	9	5	1.598181155	0.170911	TCF12 ENSG00000140262
15	54978521	54978758	54978667	9	11	0	11.50690432	0.000313206	TCF12 ENSG00000140262
15	55147009	55147337	55147185	12	15	2	5.114179696	0.00088103	ENSG00000222586
15	55469685	55469898	55469791	8	8	1	4.315089119	0.0127267	CGNL1 ENSG00000128849
15	55754134	55754392	55754263	8	9	0	9.589086931	0.00120187	GRINL1A ENSG00000137878
15	56411720	56411975	56411807	8	11	2	3.835634772	0.00800699	LIPC ENSG00000166035
15	57031237	57031459	57031414	8	8	2	2.876726079	0.0381137	SLTM ENSG00000137776

15	57245187	57245706	57245418	82	108	1	52.26052377	8.05E-31	ENSG00000221096
15	57535725	57536007	57535864	13	14	2	4.794543465	0.00154571 FAM81A	ENSG00000157470
15	57608483	57608742	57608612	10	13	2	4.474907234	0.00269459	ENSG00000201704
15	57650944	57651261	57651085	8	12	0	12.46581301	0.000159888	ENSG00000201704
15	58138697	58139119	58138901	24	36	1	17.73981082	3.00E-10 FOXB1	ENSG00000171956
15	58302702	58302987	58302851	9	11	2	3.835634772	0.00800699 ANXA2P2	ENSG00000182718
15	58396394	58396822	58396610	61	74	1	35.95907599	4.74E-21 ANXA2P2	ENSG00000182718
15	58454280	58454487	58454383	9	11	6	1.643843474	0.137712 ANXA2P2	ENSG00000182718
15	58472509	58472842	58472681	14	16	4	3.260289556	0.00475414 ANXA2P2	ENSG00000182718
15	58988371	58988772	58988538	11	19	0	19.17817386	1.44E-06	ENSG00000212625
15	58998118	58998394	58998256	10	13	3	3.356180426	0.00805599	ENSG00000212625
15	59488563	59488876	59488718	16	19	2	6.39272462	8.83E-05 RORA	ENSG00000069667
15	59643607	59643867	59643716	9	9	1	4.794543465	0.00708517 RORA	ENSG00000069667
15	60341957	60342472	60342278	65	81	0	78.63051283	1.13E-24	ENSG00000166104
15	60976299	60976823	60976561	14	27	5	4.474907234	5.37E-05	ENSG00000213712
15	61236013	61236901	61236532	290	487	5	77.99124037	2.12E-133 RPS27L	ENSG00000185088
15	61269852	61270054	61269953	8	8	2	2.876726079	0.0381137 RAB8B	ENSG00000166128
15	61429767	61429969	61429881	8	9	1	4.794543465	0.00708517 CA12	ENSG00000074410
15	61458662	61459008	61458835	11	15	12	1.180195315	0.324974 CA12	ENSG00000074410
15	61461320	61461534	61461417	8	9	5	1.598181155	0.170911 CA12	ENSG00000074410
15	61466951	61467131	61467041	8	8	2	2.876726079	0.0381137 CA12	ENSG00000074410
15	61467390	61467626	61467516	10	10	7	1.318499453	0.269217 CA12	ENSG00000074410
15	61507617	61507907	61507762	19	21	0	21.09599125	3.76E-07 CA12	ENSG00000074410
15	61529022	61529380	61529201	9	14	7	1.797953799	0.0806593 USP3	ENSG00000140455
15	61566720	61566942	61566851	8	11	4	2.301380863	0.0459276 USP3	ENSG00000140455
15	61571873	61572052	61571971	8	8	0	8.630178238	0.00235436 USP3	ENSG00000140455
15	61581500	61581800	61581670	10	15	3	3.835634772	0.00291691 USP3	ENSG00000140455
15	61582631	61582897	61582779	14	14	2	4.794543465	0.00154571 USP3	ENSG00000140455
15	61583727	61583946	61583836	11	11	5	1.917817386	0.0843804 USP3	ENSG00000140455
15	61756989	61757304	61757135	8	11	2	3.835634772	0.00800699 FBXL22	ENSG00000197361
15	62172806	62173463	62173123	14	29	4	5.753452158	5.31E-06 FAM96A	ENSG00000166797
15	62232845	62233093	62232969	11	13	12	1.0326709	0.46514 SNX22	ENSG00000157734
15	62433985	62435009	62434379	27	76	10	6.712360851	1.19E-13 CSNK1G1	ENSG00000169118
15	62435243	62435650	62435422	9	16	5	2.716907964	0.0109645 CSNK1G1	ENSG00000169118

15	62466741	62467015	62466869	9	12	4	2.493162602	0.0299057	TRIP4	ENSG00000103671
15	62539557	62539839	62539713	11	13	5	2.237453617	0.038866		ENSG00000206781
15	62540604	62540878	62540741	13	16	5	2.716907964	0.0109645		ENSG00000206781
15	62594479	62594752	62594615	14	17	1	8.630178238	5.44E-05	ZNF609	ENSG00000180357
15	62651247	62651464	62651358	8	9	6	1.369869562	0.253675	ZNF609	ENSG00000180357
15	62810540	62810870	62810705	9	14	2	4.794543465	0.00154571		ENSG00000221033
15	62828872	62829154	62829009	8	11	4	2.301380863	0.0459276		ENSG00000221033
15	62846372	62846898	62846559	22	34	3	8.390451064	6.50E-08		ENSG00000221033
15	63133722	63133901	63133798	8	9	1	4.794543465	0.00708517		ENSG00000186198
15	63180888	63181170	63181029	14	16	11	1.358453982	0.20248	PDCD7	ENSG00000090470
15	63264866	63265116	63264991	15	15	9	1.534253909	0.136498	CLPX	ENSG00000166855
15	63398310	63398507	63398408	8	9	3	2.397271733	0.0539397	RNU5B-1	ENSG00000200156
15	63464274	63464551	63464412	11	14	3	3.595907599	0.00486913	PUNC	ENSG00000174498
15	63480306	63480589	63480417	9	12	4	2.493162602	0.0299057		ENSG00000103742
15	63597021	63597267	63597144	9	10	3	2.636998906	0.034203	DPP8	ENSG00000074603
15	63634968	63635249	63635134	8	9	2	3.19636231	0.0229249		ENSG00000207449
15	63678446	63678682	63678541	8	9	1	4.794543465	0.00708517	C15orf44	ENSG00000138614
15	63690374	63690786	63690546	12	20	8	2.237453617	0.0160557	C15orf44	ENSG00000138614
15	63812069	63812436	63812266	13	18	4	3.643853034	0.00178791		ENSG00000211307
15	63908551	63908785	63908666	8	9	2	3.19636231	0.0229249	DENND4A	ENSG00000174485
15	63912029	63912362	63912222	9	14	8	1.598181155	0.124586	RAB11A	ENSG00000103769
15	63948386	63948779	63948565	10	18	9	1.821926517	0.0548428	RAB11A	ENSG00000103769
15	63985833	63986029	63985931	8	8	4	1.726035648	0.150596	RAB11A	ENSG00000103769
15	64194252	64194619	64194418	11	17	1	8.630178238	5.44E-05	MEGF11	ENSG00000157890
15	64291553	64291732	64291642	8	9	1	4.794543465	0.00708517	MEGF11	ENSG00000157890
15	64584462	64584666	64584564	12	12	2	4.155271003	0.0046638	ZWILCH	ENSG00000174442
15	64603348	64603624	64603524	10	13	1	6.712360851	0.000640982	ZWILCH	ENSG00000174442
15	64942319	64942635	64942491	9	11	2	3.835634772	0.00800699		ENSG00000213670
15	65041994	65042261	65042103	8	10	4	2.109599125	0.0694668		ENSG00000213670
15	65103836	65104098	65103967	14	16	3	4.075361945	0.00173346		ENSG00000205438
15	65127966	65128545	65128199	34	53	4	10.35621389	4.48E-12		ENSG00000205438
15	65128777	65129106	65128946	10	15	4	3.068507818	0.0076507		ENSG00000205438
15	65204972	65205334	65205151	10	16	9	1.630144778	0.102169	SMAD3	ENSG00000166949
15	65226803	65226997	65226900	8	10	2	3.515998541	0.0136204	SMAD3	ENSG00000166949

15	65227684	65227994	65227833	10	13	5	2.237453617	0.038866	SMAD3	ENSG00000166949
15	65229472	65229739	65229587	8	10	5	1.757999271	0.121253	SMAD3	ENSG00000166949
15	65245656	65245951	65245803	11	14	1	7.191815198	0.00034761		ENSG00000103591
15	65319760	65320132	65319953	8	15	9	1.534253909	0.136498		ENSG00000103591
15	65601541	65601754	65601647	8	8	2	2.876726079	0.0381137	C15orf61	ENSG00000189227
15	65697584	65697806	65697646	8	10	7	1.318499453	0.269217	MAP2K5	ENSG00000137764
15	65940934	65941114	65941020	9	9	2	3.19636231	0.0229249		ENSG00000206625
15	65942776	65943053	65942934	8	10	1	5.273997812	0.00391723		ENSG00000206625
15	66077972	66078224	66078098	8	11	2	3.835634772	0.00800699	PIAS1	ENSG00000033800
15	66122188	66122418	66122362	8	11	7	1.43836304	0.204844	PIAS1	ENSG00000033800
15	66332380	66332596	66332528	10	13	1	6.712360851	0.000640982		ENSG00000213656
15	66351249	66351760	66351479	24	38	1	18.69871951	8.21E-11	FEM1B	ENSG00000169018
15	66356943	66357232	66357090	12	17	6	2.465765211	0.014729	FEM1B	ENSG00000169018
15	66385985	66386291	66386138	8	13	3	3.356180426	0.00805599	FEM1B	ENSG00000169018
15	66433149	66433405	66433261	9	11	2	3.835634772	0.00800699	FEM1B	ENSG00000169018
15	66574146	66574348	66574247	10	10	2	3.515998541	0.0136204	ITGA11	ENSG00000137809
15	66771125	66771329	66771210	10	10	3	2.636998906	0.034203		ENSG00000214746
15	66901485	66901721	66901581	9	11	3	2.876726079	0.0213797	ANP32A	ENSG00000140350
15	67004384	67004601	67004492	8	9	2	3.19636231	0.0229249	NOX5	ENSG00000137808
15	67124500	67124726	67124582	8	11	4	2.301380863	0.0459276	NOX5	ENSG00000137808
15	67128096	67128327	67128156	8	8	2	2.876726079	0.0381137	TMEM84	ENSG00000212766
15	67239581	67239772	67239676	8	8	3	2.157544559	0.0836802	GLCE	ENSG00000138604
15	67241149	67241374	67241282	9	10	6	1.506856518	0.188853	GLCE	ENSG00000138604
15	67252316	67252507	67252411	8	8	2	2.876726079	0.0381137	GLCE	ENSG00000138604
15	67494201	67494451	67494343	8	9	2	3.19636231	0.0229249	KIF23	ENSG00000137807
15	67542160	67542360	67542260	8	10	5	1.757999271	0.121253		ENSG00000207119
15	67547116	67547449	67547282	13	17	11	1.43836304	0.15834		ENSG00000207119
15	67555231	67555489	67555360	11	13	6	1.917817386	0.0693353		ENSG00000207119
15	67562195	67562415	67562292	8	10	13	0.753428259	0.762589		ENSG00000207119
15	67602805	67603193	67603021	13	18	7	2.277408146	0.0188653		ENSG00000207119
15	67673826	67674026	67673926	8	9	3	2.397271733	0.0539397		ENSG00000207119
15	67683351	67683591	67683471	9	11	10	1.046082211	0.455063		ENSG00000207119
15	67962511	67962798	67962679	12	16	4	3.260289556	0.00475414		ENSG00000215958
15	68067168	68067615	68067340	13	20	7	2.517135319	0.00849957		ENSG00000207965

15	68076629	68076911	68076795	9	11	7	1.43836304	0.204844		ENSG00000207965
15	68127165	68127349	68127257	8	8	0	8.630178238	0.00235436		ENSG00000207965
15	68172857	68173530	68173309	15	39	11	3.19636231	5.26E-05	TLE3	ENSG00000140332
15	68179094	68179385	68179222	9	12	5	2.077635502	0.0577144	TLE3	ENSG00000140332
15	68180968	68181246	68181112	9	12	5	2.077635502	0.0577144	TLE3	ENSG00000140332
15	68276070	68276402	68276246	13	18	6	2.602752167	0.00970422		ENSG00000200216
15	68369093	68369297	68369195	8	9	6	1.369869562	0.253675		ENSG00000200216
15	68403383	68403982	68403689	12	31	17	1.704726565	0.0311659		ENSG00000200216
15	68442561	68442753	68442700	8	8	4	1.726035648	0.150596		ENSG00000200216
15	68454457	68454766	68454636	8	10	1	5.273997812	0.00391723		ENSG00000200216
15	68475031	68475357	68475194	9	13	2	4.474907234	0.00269459		ENSG00000200216
15	68542344	68542595	68542468	8	10	2	3.515998541	0.0136204	UACA	ENSG00000137831
15	68545127	68545566	68545306	9	16	6	2.328778255	0.0221113	UACA	ENSG00000137831
15	68574459	68574756	68574591	8	12	4	2.493162602	0.0299057	UACA	ENSG00000137831
15	68587221	68587526	68587376	12	16	3	4.075361945	0.00173346	UACA	ENSG00000137831
15	68596322	68596617	68596460	9	13	6	1.917817386	0.0693353	UACA	ENSG00000137831
15	68605863	68606270	68606091	19	28	4	5.56167042	9.22E-06	UACA	ENSG00000137831
15	68904539	68904779	68904659	8	11	1	5.753452158	0.00215302		ENSG00000156577
15	68971763	68972104	68971941	9	13	8	1.491635745	0.166708	LRRC49	ENSG00000137821
15	69129896	69130092	69130000	8	10	0	10.54799562	0.000613541		ENSG00000214727
15	69135649	69135828	69135712	8	9	1	4.794543465	0.00708517		ENSG00000214727
15	69182419	69182831	69182620	30	40	3	9.828814104	1.78E-09	THSD4	ENSG00000187720
15	69193519	69193730	69193624	8	10	3	2.636998906	0.034203	THSD4	ENSG00000187720
15	69274694	69274938	69274794	10	14	4	2.876726079	0.01219	THSD4	ENSG00000187720
15	69331379	69331642	69331513	9	10	10	0.958908693	0.538751		ENSG00000175333
15	69374775	69374989	69374862	10	11	5	1.917817386	0.0843804		ENSG00000175333
15	69416693	69417109	69416930	17	25	8	2.770180669	0.00215826		ENSG00000175333
15	69443369	69443976	69443667	45	68	6	9.452099974	2.16E-14		ENSG00000175333
15	69519936	69520183	69520059	12	13	3	3.356180426	0.00805599		ENSG00000175333
15	69524293	69524582	69524450	15	17	1	8.630178238	5.44E-05	THSD4	ENSG00000187720
15	69612453	69612704	69612565	11	12	4	2.493162602	0.0299057	THSD4	ENSG00000187720
15	69652106	69652409	69652257	9	11	2	3.835634772	0.00800699		ENSG00000203498
15	69689288	69689543	69689415	8	12	1	6.232906505	0.00117736		ENSG00000203497
15	69739852	69740213	69740041	10	16	4	3.260289556	0.00475414		ENSG00000203497

15	69827037	69827314	69827175	10	14	8	1.598181155	0.124586	ENSG00000203496
15	70054996	70055234	70055108	12	13	5	2.237453617	0.038866	ENSG00000214713
15	70196265	70196575	70196420	10	12	3	3.116453252	0.0131971	MYO9A ENSG00000066933
15	70234707	70234913	70234810	9	9	2	3.19636231	0.0229249	SENP8 ENSG00000166192
15	70303413	70303635	70303487	9	9	3	2.397271733	0.0539397	PKM2 ENSG00000067225
15	70352072	70352351	70352205	11	12	1	6.232906505	0.00117736	PARP6 ENSG00000137817
15	70392158	70392371	70392241	8	9	1	4.794543465	0.00708517	BRUNOL6 ENSG00000140488
15	70454918	70455324	70455097	12	20	5	3.356180426	0.0017534	HEXA ENSG00000213614
15	70552995	70553327	70553162	10	15	4	3.068507818	0.0076507	ARIH1 ENSG00000166233
15	70765348	70765722	70765527	9	16	11	1.358453982	0.20248	HIGD2BP ENSG00000175202
15	70801470	70801766	70801618	8	11	7	1.43836304	0.204844	BBS4 ENSG00000140463
15	71244877	71245774	71245325	81	125	0	120.8224953	1.61E-37	NEO1 ENSG00000067141
15	71320370	71320549	71320459	9	9	5	1.598181155	0.170911	HCN4 ENSG00000138622
15	71352759	71353045	71352912	8	11	4	2.301380863	0.0459276	HCN4 ENSG00000138622
15	71385480	71385739	71385568	8	9	0	9.589086931	0.00120187	HCN4 ENSG00000138622
15	71411941	71412258	71412099	14	17	4	3.452071295	0.00292757	HCN4 ENSG00000138622
15	71603326	71603716	71603537	12	19	3	4.794543465	0.000349205	C15orf60 ENSG00000183324
15	71715841	71716246	71716043	11	19	4	3.835634772	0.00108365	NPTN ENSG00000156642
15	71784290	71784577	71784443	8	10	9	1.054799562	0.4492	CD276 ENSG00000103855
15	71994479	71994702	71994586	8	10	4	2.109599125	0.0694668	LOXL1 ENSG00000129038
15	72224937	72225285	72225123	17	22	0	22.05489994	1.92E-07	ISLR2 ENSG00000167178
15	72279754	72280078	72279968	9	13	2	4.474907234	0.00269459	STRA6 ENSG00000137868
15	72376778	72377083	72376930	8	10	3	2.636998906	0.034203	CCDC33 ENSG00000140481
15	72454662	72454934	72454838	9	11	0	11.50690432	0.000313206	CYP11A1 ENSG00000140459
15	72518185	72518443	72518291	8	11	9	1.150690432	0.367789	SEMA7A ENSG00000138623
15	72540376	72540711	72540546	10	14	9	1.43836304	0.179537	UBL7 ENSG00000138629
15	72577020	72577202	72577089	8	8	5	1.43836304	0.235762	ENSG00000212279
15	72625465	72626051	72625644	24	42	6	5.890439114	6.20E-08	ARID3B ENSG00000179361
15	72700547	72700836	72700701	11	15	4	3.068507818	0.0076507	CLK3 ENSG00000179335
15	72775291	72775603	72775462	8	11	3	2.876726079	0.0213797	EDC3 ENSG00000179151
15	72848249	72848444	72848346	9	9	6	1.369869562	0.253675	CSK ENSG00000103653
15	72850461	72850698	72850571	8	9	7	1.198635866	0.346278	CSK ENSG00000103653
15	72867298	72867585	72867449	11	16	2	5.433815927	0.000499302	CSK ENSG00000103653
15	72871088	72871269	72871178	8	8	4	1.726035648	0.150596	CSK ENSG00000103653

15	72878960	72879785	72879355	32	63	6	8.767165194	4.08E-13	LMAN1L	ENSG00000140506
15	72896920	72897138	72897017	9	9	1	4.794543465	0.00708517	CPLX3	ENSG00000213578
15	72914750	72914948	72914849	10	10	3	2.636998906	0.034203	ULK3	ENSG00000140474
15	72921934	72922316	72922143	10	16	7	2.037680973	0.0400399	ULK3	ENSG00000140474
15	72981208	72981393	72981307	8	8	4	1.726035648	0.150596	C15orf17	ENSG00000178761
15	73029820	73030073	73029902	8	10	4	2.109599125	0.0694668	RPP25	ENSG00000178718
15	73102813	73103033	73102923	9	10	4	2.109599125	0.0694668	PPCDC	ENSG00000138621
15	73108781	73109007	73108890	9	9	6	1.369869562	0.253675	PPCDC	ENSG00000138621
15	73115568	73115980	73115795	13	21	4	4.219198249	0.000390041	PPCDC	ENSG00000138621
15	73184267	73184498	73184377	11	13	0	13.4247217	8.16E-05		ENSG00000213573
15	73447172	73447405	73447276	9	10	3	2.636998906	0.034203	MAN2C1	ENSG00000140400
15	73448327	73448669	73448498	9	13	1	6.712360851	0.000640982	MAN2C1	ENSG00000140400
15	73529866	73530070	73529959	8	9	5	1.598181155	0.170911	SIN3A	ENSG00000169375
15	73677600	73677805	73677713	8	8	2	2.876726079	0.0381137	PTPN9	ENSG00000169410
15	73800572	73800796	73800686	8	9	4	1.917817386	0.103282	ODF3L1	ENSG00000182950
15	73983107	73984096	73983415	36	93	7	11.26717714	4.45E-20	FBXO22	ENSG00000167196
15	74222575	74222852	74222740	8	9	0	9.589086931	0.00120187	C15orf27	ENSG00000169758
15	74230416	74230625	74230532	11	13	4	2.684944341	0.01921	C15orf27	ENSG00000169758
15	74314699	74314895	74314826	8	9	1	4.794543465	0.00708517	ETFA	ENSG00000140374
15	74392159	74392539	74392338	16	23	2	7.671269544	8.30E-06	ETFA	ENSG00000140374
15	74409729	74409951	74409840	8	8	3	2.157544559	0.0836802	ISL2	ENSG00000159556
15	74469957	74470199	74470078	10	10	2	3.515998541	0.0136204		ENSG00000209250
15	75163194	75163563	75163354	9	14	8	1.598181155	0.124586	TSPAN3	ENSG00000140391
15	75392011	75392394	75392219	25	32	3	7.910996718	2.12E-07		ENSG00000186690
15	75500047	75500303	75500179	11	14	5	2.397271733	0.0258078	HMG20A	ENSG00000140382
15	75576197	75576462	75576329	9	11	3	2.876726079	0.0213797	HMG20A	ENSG00000140382
15	75582720	75582945	75582823	9	11	6	1.643843474	0.137712	HMG20A	ENSG00000140382
15	75584947	75585356	75585123	43	51	5	8.310542006	8.51E-11	HMG20A	ENSG00000140382
15	75900880	75901221	75901050	10	14	5	2.397271733	0.0258078		ENSG00000209296
15	76083162	76083344	76083209	8	9	1	4.794543465	0.00708517		ENSG00000221476
15	76154899	76155112	76155005	11	11	1	5.753452158	0.00215302	TBC1D2B	ENSG00000167202
15	76296168	76296631	76296347	10	20	5	3.356180426	0.0017534	ACSBG1	ENSG00000103740
15	76517331	76517540	76517435	13	13	3	3.356180426	0.00805599	IREB2	ENSG00000136381
15	76620605	76620811	76620712	8	10	2	3.515998541	0.0136204	PSMA4	ENSG00000041357

15	76697113	76697385	76697249	8	11	1	5.753452158	0.00215302	CHRNA3	ENSG00000080644
15	76764696	76764905	76764756	8	9	4	1.917817386	0.103282	CHRNA4	ENSG00000117971
15	76939875	76940138	76940006	11	13	5	2.237453617	0.038866	MORF4	ENSG00000185787
15	76953027	76953274	76953159	12	14	4	2.876726079	0.01219	MORF4	ENSG00000185787
15	76988053	76988251	76988139	8	8	0	8.630178238	0.00235436		ENSG00000209159
15	77010072	77010560	77010319	10	20	1	10.06854128	8.32E-06	CTSH	ENSG00000103811
15	77031099	77031351	77031206	8	9	3	2.397271733	0.0539397	CTSH	ENSG00000103811
15	77031412	77031652	77031520	12	13	1	6.712360851	0.000640982	CTSH	ENSG00000103811
15	77050883	77051121	77051002	9	10	4	2.109599125	0.0694668		ENSG00000177699
15	77107803	77108135	77107969	8	13	11	1.118726809	0.38479	RASGRF1	ENSG00000058335
15	77258524	77258956	77258723	16	26	6	3.698647816	0.00025253		ENSG00000207695
15	77301047	77301327	77301189	9	12	5	2.077635502	0.0577144		ENSG00000207695
15	77301338	77301539	77301368	8	10	5	1.757999271	0.121253		ENSG00000207695
15	77412594	77412836	77412715	13	15	3	3.835634772	0.00291691	TMED3	ENSG00000166557
15	77460107	77460344	77460190	10	10	1	5.273997812	0.00391723	KIAA1024	ENSG00000169330
15	77735642	77735821	77735684	8	8	1	4.315089119	0.0127267		ENSG00000213527
15	77759536	77759828	77759691	11	13	4	2.684944341	0.01921		ENSG00000213527
15	77929243	77929492	77929422	8	10	4	2.109599125	0.0694668		ENSG00000209163
15	77932946	77933226	77933086	17	18	5	3.036544195	0.0044641		ENSG00000209163
15	78082538	78083124	78082782	136	182	0	175.4802908	3.64E-54		ENSG00000180725
15	78247787	78248162	78247983	21	28	4	5.56167042	9.22E-06	FAH	ENSG00000103876
15	78282111	78282452	78282284	12	16	0	16.30144778	1.09E-05	FAH	ENSG00000103876
15	78320740	78321033	78320854	12	15	2	5.114179696	0.00088103	FAH	ENSG00000103876
15	78321485	78321826	78321655	12	16	5	2.716907964	0.0109645	FAH	ENSG00000103876
15	78564647	78565243	78564969	66	92	4	17.83570169	1.45E-22	ARNT2	ENSG00000172379
15	78758872	78759140	78759009	11	13	5	2.237453617	0.038866	FAM108C1	ENSG00000136379
15	78822546	78822729	78822668	8	8	10	0.784561658	0.708731	KIAA1199	ENSG00000103888
15	78829022	78829357	78829194	19	24	12	1.844055179	0.0315307	KIAA1199	ENSG00000103888
15	78884414	78884926	78884772	18	27	7	3.356180426	0.000396559	KIAA1199	ENSG00000103888
15	78966614	78966880	78966747	8	11	2	3.835634772	0.00800699		ENSG00000208003
15	78985818	78986075	78985946	10	13	4	2.684944341	0.01921		ENSG00000208003
15	79056874	79057196	79057035	9	12	6	1.78083043	0.0985525	MESDC2	ENSG00000117899
15	79069367	79069578	79069440	11	11	1	5.753452158	0.00215302	MESDC2	ENSG00000117899
15	79344713	79344973	79344843	8	11	8	1.278544924	0.28289	IL16	ENSG00000172349

15	79345196	79345485	79345334	10	12	3	3.116453252	0.0131971	IL16	ENSG00000172349
15	79345771	79345971	79345899	8	9	3	2.397271733	0.0539397	IL16	ENSG00000172349
15	79354539	79354738	79354587	9	9	1	4.794543465	0.00708517	IL16	ENSG00000172349
15	79361447	79361887	79361559	10	15	6	2.191791298	0.0328001	IL16	ENSG00000172349
15	79512434	79512952	79512645	25	38	3	9.349359757	5.96E-09	TMC3	ENSG00000188869
15	80101048	80101915	80101572	87	131	3	31.64398687	1.37E-34		ENSG00000222521
15	80125780	80126013	80125885	8	9	3	2.397271733	0.0539397	MEX3B	ENSG00000183496
15	80220354	80220620	80220487	11	12	2	4.155271003	0.0046638		ENSG00000212170
15	81017474	81017772	81017610	12	15	4	3.068507818	0.0076507		ENSG00000182774
15	81207602	81208447	81208050	54	100	3	24.2124445	7.07E-26		ENSG00000222483
15	81402581	81402825	81402657	8	10	2	3.515998541	0.0136204	HOMER2	ENSG00000103942
15	81445717	81445996	81445849	9	10	3	2.636998906	0.034203	FAM103A1	ENSG00000169612
15	81470621	81470990	81470800	10	16	6	2.328778255	0.0221113	C15orf40	ENSG00000169609
15	81651943	81652131	81652037	10	10	2	3.515998541	0.0136204		ENSG00000166503
15	81656706	81656904	81656799	10	12	2	4.155271003	0.0046638		ENSG00000166503
15	81670432	81670786	81670670	13	18	5	3.036544195	0.0044641		ENSG00000166503
15	81812650	81812904	81812777	10	11	0	11.50690432	0.000313206	BNC1	ENSG00000169594
15	81840346	81840700	81840523	43	48	2	15.66217532	1.56E-12	SH3GL3	ENSG00000140600
15	82390847	82391050	82390937	8	10	5	1.757999271	0.121253		ENSG00000221484
15	82414822	82415016	82414929	9	11	2	3.835634772	0.00800699		ENSG00000221484
15	82571830	82572027	82571944	8	9	0	9.589086931	0.00120187		ENSG00000205242
15	82932099	82932576	82932272	12	22	0	22.05489994	1.92E-07	ZSCAN2	ENSG00000176371
15	82982466	82982713	82982586	8	10	5	1.757999271	0.121253	SCAND2	ENSG00000176700
15	82998879	82999439	82999120	18	30	13	2.12329782	0.0070778	WDR73	ENSG00000177082
15	83002640	83003064	83002889	10	16	2	5.433815927	0.000499302	NMB	ENSG00000197696
15	83059601	83059939	83059800	9	14	5	2.397271733	0.0258078	SEC11A	ENSG00000140612
15	83060671	83060897	83060760	8	10	5	1.757999271	0.121253	SEC11A	ENSG00000140612
15	83061330	83061564	83061447	8	10	9	1.054799562	0.4492	SEC11A	ENSG00000140612
15	83199589	83199821	83199699	13	15	7	1.917817386	0.0572317		ENSG00000200991
15	83203377	83203703	83203540	9	14	5	2.397271733	0.0258078		ENSG00000200991
15	83234372	83234842	83234543	28	45	4	8.821959976	5.35E-10	SLC28A1	ENSG00000156222
15	83259344	83259579	83259461	9	12	5	2.077635502	0.0577144		ENSG00000207037
15	83272468	83272690	83272579	13	15	6	2.191791298	0.0328001		ENSG00000207037
15	83299785	83299974	83299899	8	9	7	1.198635866	0.346278		ENSG00000212388

15	83325266	83325511	83325426	9	10	2	3.515998541	0.0136204	PDE8A	ENSG00000073417
15	83366590	83366769	83366679	9	9	4	1.917817386	0.103282	PDE8A	ENSG00000073417
15	83675419	83675640	83675529	9	11	5	1.917817386	0.0843804	AKAP13	ENSG00000170776
15	83757732	83757947	83757839	8	9	1	4.794543465	0.00708517	AKAP13	ENSG00000170776
15	83803070	83803314	83803195	10	11	0	11.50690432	0.000313206	AKAP13	ENSG00000170776
15	83960978	83961170	83961099	8	8	0	8.630178238	0.00235436		ENSG00000202081
15	84181248	84181614	84181419	10	16	2	5.433815927	0.000499302	KLHL25	ENSG00000183655
15	84673676	84674146	84673847	12	22	2	7.351633313	1.51E-05	AGBL1	ENSG00000166748
15	84716192	84716470	84716331	9	12	0	12.46581301	0.000159888	AGBL1	ENSG00000166748
15	84717537	84717802	84717669	8	10	2	3.515998541	0.0136204	AGBL1	ENSG00000166748
15	84868573	84868752	84868662	8	8	0	8.630178238	0.00235436	AGBL1	ENSG00000166748
15	84968942	84969151	84969045	8	9	5	1.598181155	0.170911	AGBL1	ENSG00000166748
15	85087565	85087798	85087681	8	9	5	1.598181155	0.170911	AGBL1	ENSG00000166748
15	85693097	85693280	85693219	8	9	5	1.598181155	0.170911		ENSG00000207150
15	85710217	85710451	85710338	12	14	2	4.794543465	0.00154571		ENSG00000207150
15	85873183	85873475	85873361	12	14	2	4.794543465	0.00154571	TMEM83	ENSG00000219654
15	85927109	85927301	85927205	8	8	1	4.315089119	0.0127267	TMEM83	ENSG00000219654
15	86632317	86632543	86632426	9	9	3	2.397271733	0.0539397	NTRK3	ENSG00000140538
15	86811734	86811931	86811811	8	8	5	1.43836304	0.235762	MRPS11	ENSG00000181991
15	86965228	86965750	86965544	135	157	3	37.87689338	5.94E-42	AEN	ENSG00000181026
15	86983113	86983341	86983178	10	11	0	11.50690432	0.000313206	ISG20	ENSG00000172183
15	87048682	87048907	87048745	9	11	0	11.50690432	0.000313206	ISG20	ENSG00000172183
15	87257806	87258221	87258053	14	24	0	23.97271733	5.01E-08	MFGE8	ENSG00000140545
15	87411610	87411858	87411771	11	14	5	2.397271733	0.0258078	ABHD2	ENSG00000140526
15	87411956	87412345	87412167	9	14	0	14.3836304	4.17E-05	ABHD2	ENSG00000140526
15	87432072	87432436	87432224	9	15	3	3.835634772	0.00291691	ABHD2	ENSG00000140526
15	87465719	87466004	87465861	10	13	5	2.237453617	0.038866	ABHD2	ENSG00000140526
15	87617874	87618053	87617940	8	8	3	2.157544559	0.0836802	FANCI	ENSG00000140525
15	87679146	87679667	87679293	12	26	24	1.035621389	0.448641	POLG	ENSG00000140521
15	87700094	87700326	87700210	12	14	1	7.191815198	0.00034761		ENSG00000207819
15	87700942	87701227	87701085	10	13	6	1.917817386	0.0693353		ENSG00000207819
15	87702864	87703261	87702988	8	14	2	4.794543465	0.00154571		ENSG00000207819
15	87723729	87724414	87724184	24	53	6	7.397295632	1.32E-10		ENSG00000207819
15	87727389	87727568	87727478	8	8	3	2.157544559	0.0836802		ENSG00000207819

15	87755751	87756333	87755910	30	46	6	6.438386939	6.82E-09		ENSG00000207819
15	87760375	87760668	87760521	11	14	4	2.876726079	0.01219		ENSG00000207819
15	87792782	87792961	87792872	8	8	2	2.876726079	0.0381137	RHCG	ENSG00000140519
15	87857515	87857877	87857694	40	47	1	23.01380863	2.36E-13	RHCG	ENSG00000140519
15	87900969	87901210	87901095	9	9	3	2.397271733	0.0539397	C15orf42	ENSG00000140534
15	87919288	87919515	87919437	9	11	5	1.917817386	0.0843804	C15orf42	ENSG00000140534
15	88096057	88096395	88096226	11	17	8	1.917817386	0.0474153	MESP1	ENSG00000166823
15	88105034	88105306	88105196	9	12	3	3.116453252	0.0131971	MESP1	ENSG00000166823
15	88238164	88238394	88238286	13	14	8	1.598181155	0.124586	AP3S2	ENSG00000157823
15	88250546	88250809	88250664	8	11	6	1.643843474	0.137712		ENSG00000214445
15	88302208	88302678	88302442	26	40	7	4.914407052	6.35E-07	ZNF710	ENSG00000140548
15	88315849	88316055	88315996	8	10	1	5.273997812	0.00391723	ZNF710	ENSG00000140548
15	88391064	88391328	88391193	9	13	3	3.356180426	0.00805599	ZNF710	ENSG00000140548
15	88415509	88415753	88415631	8	9	4	1.917817386	0.103282	IDH2	ENSG00000182054
15	88439822	88440258	88440090	10	18	8	2.024362796	0.0334397	IDH2	ENSG00000182054
15	88448926	88449169	88449018	8	10	5	1.757999271	0.121253	IDH2	ENSG00000182054
15	88509831	88510163	88509985	10	15	8	1.704726565	0.0916153		ENSG00000208939
15	88510174	88510395	88510256	8	8	4	1.726035648	0.150596		ENSG00000208939
15	88557785	88557966	88557894	9	9	4	1.917817386	0.103282	CIB1	ENSG00000185043
15	88567727	88567924	88567890	8	8	10	0.784561658	0.708731	CIB1	ENSG00000185043
15	88609252	88609707	88609424	9	16	7	2.037680973	0.0400399	NGRN	ENSG00000182768
15	88664339	88664588	88664442	8	11	10	1.046082211	0.455063		ENSG00000221309
15	88678615	88678920	88678767	23	24	2	7.990905775	4.56E-06		ENSG00000173683
15	88745014	88745246	88745130	8	11	2	3.835634772	0.00800699	IQGAP1	ENSG00000140575
15	88776508	88776909	88776657	8	14	2	4.794543465	0.00154571	IQGAP1	ENSG00000140575
15	88824056	88824286	88824226	11	14	7	1.797953799	0.0806593	CRTC3	ENSG00000140577
15	88833791	88834290	88833960	16	30	14	1.981744632	0.0116992	CRTC3	ENSG00000140577
15	88994448	88994682	88994537	8	10	4	2.109599125	0.0694668	BLM	ENSG00000197299
15	89103071	89103298	89103191	9	9	0	9.589086931	0.00120187		ENSG00000200677
15	89332598	89332784	89332691	8	9	0	9.589086931	0.00120187	PRC1	ENSG00000198901
15	89405674	89405853	89405763	8	8	1	4.315089119	0.0127267		ENSG00000208919
15	89498662	89498841	89498751	8	8	0	8.630178238	0.00235436	SV2B	ENSG00000185518
15	89789953	89790305	89790127	10	14	4	2.876726079	0.01219	SV2B	ENSG00000185518
15	89835330	89835614	89835472	14	14	0	14.3836304	4.17E-05	SV2B	ENSG00000185518

15	90161356	90161547	90161466	8	9	2	3.19636231	0.0229249	SLCO3A1	ENSG00000176463
15	90570395	90570654	90570524	8	11	5	1.917817386	0.0843804		ENSG00000213443
15	90886216	90886483	90886333	8	10	3	2.636998906	0.034203	C15orf32	ENSG00000183643
15	91011507	91011687	91011597	8	8	6	1.232882605	0.333038	FAM174B	ENSG00000185442
15	91053580	91053760	91053704	8	8	1	4.315089119	0.0127267		ENSG00000157576
15	91059111	91059370	91059280	8	12	3	3.116453252	0.0131971		ENSG00000157576
15	91146530	91146822	91146695	23	24	0	23.97271733	5.01E-08		ENSG00000213440
15	91148004	91148534	91148355	12	26	3	6.472633678	6.96E-06		ENSG00000213440
15	91164358	91165216	91165007	16	39	14	2.557089848	0.000465588	CHD2	ENSG00000173575
15	91166064	91166274	91166139	8	9	4	1.917817386	0.103282	CHD2	ENSG00000173575
15	91213507	91213833	91213663	9	13	6	1.917817386	0.0693353	CHD2	ENSG00000173575
15	91225717	91226002	91225862	8	10	2	3.515998541	0.0136204	CHD2	ENSG00000173575
15	91248098	91248557	91248378	13	23	5	3.835634772	0.000408054	CHD2	ENSG00000173575
15	91248644	91248944	91248794	8	13	3	3.356180426	0.00805599	CHD2	ENSG00000173575
15	91262215	91262475	91262392	9	11	1	5.753452158	0.00215302	CHD2	ENSG00000173575
15	91265979	91266291	91266130	8	11	6	1.643843474	0.137712	CHD2	ENSG00000173575
15	91293922	91294547	91294341	112	148	3	35.71934882	2.12E-39	CHD2	ENSG00000173575
15	91432045	91432732	91432308	20	45	11	3.675816657	3.45E-06	RGMA	ENSG00000182175
15	91540166	91540382	91540236	10	12	2	4.155271003	0.0046638		ENSG00000212063
15	91784783	91785024	91784903	8	8	1	4.315089119	0.0127267		ENSG00000208918
15	92000475	92000745	92000610	8	10	2	3.515998541	0.0136204		ENSG00000208918
15	92512444	92512720	92512580	11	14	3	3.595907599	0.00486913	MCTP2	ENSG00000140563
15	93037008	93037286	93037153	12	13	1	6.712360851	0.000640982		ENSG00000176070
15	93136371	93136731	93136550	9	16	10	1.481949798	0.147733		ENSG00000176070
15	93136737	93137040	93136888	8	12	6	1.78083043	0.0985525		ENSG00000176070
15	93571207	93571546	93571375	13	17	0	17.26035648	5.54E-06		ENSG00000176070
15	93591331	93591619	93591475	19	22	5	3.675816657	0.000667901		ENSG00000176070
15	94033702	94033951	94033826	10	12	2	4.155271003	0.0046638		ENSG00000222076
15	94256119	94256343	94256255	8	11	6	1.643843474	0.137712		ENSG00000208900
15	94370642	94370840	94370741	8	9	0	9.589086931	0.00120187		ENSG00000208900
15	94909605	94909878	94909739	11	11	2	3.835634772	0.00800699		ENSG00000208895
15	95202611	95202848	95202735	8	9	1	4.794543465	0.00708517		ENSG00000223120
15	96303924	96304264	96304097	9	12	5	2.077635502	0.0577144	ARRDC4	ENSG00000140450
15	96484674	96484986	96484823	11	16	0	16.30144778	1.09E-05		ENSG00000222361

15	96789422	96789612	96789517	8	10	2	3.515998541	0.0136204	FAM169B	ENSG00000185087
15	96879889	96880115	96880000	8	9	2	3.19636231	0.0229249	FAM169B	ENSG00000185087
15	97011830	97012021	97011900	8	9	2	3.19636231	0.0229249	IGF1R	ENSG00000140443
15	97107501	97107715	97107608	9	10	6	1.506856518	0.188853	IGF1R	ENSG00000140443
15	97168514	97168749	97168631	10	11	3	2.876726079	0.0213797	IGF1R	ENSG00000140443
15	97213937	97214455	97214196	9	20	3	5.034270639	0.000202317		ENSG00000183571
15	97235715	97235973	97235844	9	11	1	5.753452158	0.00215302		ENSG00000183571
15	97257696	97258209	97257875	18	32	6	4.520569553	1.26E-05		ENSG00000183571
15	97296138	97296323	97296230	8	8	0	8.630178238	0.00235436		ENSG00000183571
15	97437419	97437863	97437703	10	16	4	3.260289556	0.00475414	SYNM	ENSG00000182253
15	97607139	97607322	97607230	8	8	6	1.232882605	0.333038	TTC23	ENSG00000103852
15	97621843	97622367	97622099	25	41	5	6.712360851	2.66E-08	HSP90B2P	ENSG00000205141
15	97628365	97628555	97628478	9	10	1	5.273997812	0.00391723	HSP90B2P	ENSG00000205141
15	98062183	98062381	98062282	11	11	7	1.43836304	0.204844		ENSG00000201724
15	98325520	98325871	98325694	65	69	2	22.37453617	2.28E-18		ENSG00000208876
15	98400768	98400978	98400854	9	10	3	2.636998906	0.034203		ENSG00000208876
15	98696691	98696949	98696844	10	11	4	2.301380863	0.0459276	ADAMTS17	ENSG00000140470
15	98699799	98700020	98699924	8	10	1	5.273997812	0.00391723	ADAMTS17	ENSG00000140470
15	98741591	98741812	98741679	8	8	3	2.157544559	0.0836802		ENSG00000189419
15	98959740	98960151	98959919	9	17	13	1.232882605	0.274309	LINS1	ENSG00000140471
15	99235165	99235632	99235378	53	66	2	21.41562748	1.58E-17	ALDH1A3	ENSG00000184254
15	99364885	99365247	99365086	8	13	6	1.917817386	0.0693353	LRRK1	ENSG00000154237
15	99366225	99366419	99366355	10	10	5	1.757999271	0.121253	LRRK1	ENSG00000154237
15	99373037	99373271	99373187	8	10	1	5.273997812	0.00391723	LRRK1	ENSG00000154237
15	99525868	99526170	99526019	9	14	4	2.876726079	0.01219	CHSY1	ENSG00000131873
15	99610539	99610817	99610678	10	13	3	3.356180426	0.00805599	CHSY1	ENSG00000131873
15	99971289	99971503	99971396	10	11	1	5.753452158	0.00215302		ENSG00000208859
15	100022086	100022299	100022234	10	10	5	1.757999271	0.121253	TM2D3	ENSG00000184277
15	100043644	100043829	100043736	8	8	6	1.232882605	0.333038		ENSG00000208853
16	61388	61592	61491	8	8	3	2.157544559	0.0836802	RHBDF1	ENSG00000007384
16	417405	417588	417454	8	8	0	8.630178238	0.00235436	RAB11FIP3	ENSG00000090565
16	578102	578336	578188	8	10	0	10.54799562	0.000613541	RAB40C	ENSG00000197562
16	626472	626654	626563	8	8	4	1.726035648	0.150596	C16orf13	ENSG00000130731
16	663226	663437	663318	10	10	0	10.54799562	0.000613541	RHBDL1	ENSG00000103269

16	674490	674776	674636	8	11	1	5.753452158	0.00215302	JMJD8	ENSG00000161999
16	702791	703034	702921	10	11	2	3.835634772	0.00800699	METRN	ENSG00000103260
16	984766	985126	984957	10	15	1	7.671269544	0.000187863	SOX8	ENSG00000005513
16	1068629	1068898	1068763	12	15	2	5.114179696	0.00088103	SSTR5	ENSG00000162009
16	1073000	1073365	1073186	11	17	0	17.26035648	5.54E-06	SSTR5	ENSG00000162009
16	1286970	1287223	1287096	10	10	1	5.273997812	0.00391723	UBE2I	ENSG00000103275
16	1299178	1299453	1299315	9	11	2	3.835634772	0.00800699	UBE2I	ENSG00000103275
16	1368958	1369157	1369105	8	10	4	2.109599125	0.0694668	UNKL	ENSG00000059145
16	1635934	1636297	1636113	15	22	7	2.756862493	0.003684	CRAMP1L	ENSG00000007545
16	1670320	1670513	1670416	9	9	5	1.598181155	0.170911	HN1L	ENSG00000206053
16	1691476	1691748	1691605	14	17	9	1.726035648	0.0753664	MAPK8IP3	ENSG00000138834
16	1802704	1802956	1802817	8	11	1	5.753452158	0.00215302	HAGH	ENSG00000063854
16	1824219	1824463	1824306	10	11	6	1.643843474	0.137712	FAHD1	ENSG00000180185
16	1826350	1826652	1826520	9	12	2	4.155271003	0.0046638	FAHD1	ENSG00000180185
16	1903298	1903653	1903521	10	14	1	7.191815198	0.00034761	HS3ST6	ENSG00000162040
16	2146447	2146732	2146589	10	12	4	2.493162602	0.0299057	TRAF7	ENSG00000131653
16	2188494	2188872	2188632	14	20	4	4.027416511	0.000652226	CASKIN1	ENSG00000167971
16	2593176	2593475	2593296	12	15	1	7.671269544	0.000187863		ENSG00000215154
16	2730121	2730510	2730347	17	24	1	11.98635866	6.63E-07		ENSG00000205913
16	2858450	2858707	2858567	13	14	1	7.191815198	0.00034761	PRSS22	ENSG00000005001
16	2901789	2902006	2901861	8	9	1	4.794543465	0.00708517	FLYWCH1	ENSG00000059122
16	2905878	2906276	2906101	11	17	2	5.753452158	0.000281509	FLYWCH1	ENSG00000059122
16	2917128	2917347	2917237	9	9	3	2.397271733	0.0539397		ENSG00000209474
16	2951752	2951992	2951868	8	10	3	2.636998906	0.034203	KREMEN2	ENSG00000131650
16	2999977	3000224	3000102	14	15	6	2.191791298	0.0328001	CLDN9	ENSG00000213937
16	3010729	3011027	3010857	10	13	3	3.356180426	0.00805599	TNFRSF12A	ENSG00000006327
16	3012166	3012624	3012345	9	18	3	4.554816292	0.000599415	THOC6	ENSG00000131652
16	3090271	3090599	3090435	23	25	1	12.46581301	3.51E-07	ZSCAN10	ENSG00000130182
16	3102464	3102687	3102552	9	11	2	3.835634772	0.00800699	ZNF205	ENSG00000122386
16	3140581	3140839	3140750	12	14	4	2.876726079	0.01219		ENSG00000209495
16	3147149	3147550	3147307	12	19	13	1.369869562	0.177863		ENSG00000209495
16	3165634	3165822	3165698	8	9	8	1.065454103	0.442605		ENSG00000209496
16	3181040	3181349	3181194	8	13	6	1.917817386	0.0693353		ENSG00000209499
16	3181403	3181616	3181481	8	10	3	2.636998906	0.034203		ENSG00000209499

16	3256984	3257236	3257142	10	13	6	1.917817386	0.0693353	MEFV	ENSG00000103313
16	3490846	3491213	3491025	10	17	3	4.315089119	0.00102271	CLUAP1	ENSG00000103351
16	3503984	3504431	3504140	22	36	5	5.913270274	4.32E-07	CLUAP1	ENSG00000103351
16	3632741	3632967	3632854	12	14	2	4.794543465	0.00154571	DNASE1	ENSG00000213918
16	3636303	3636586	3636457	11	12	5	2.077635502	0.0577144	DNASE1	ENSG00000213918
16	3686985	3687178	3687081	8	9	1	4.794543465	0.00708517	TRAP1	ENSG00000126602
16	4130623	4131236	4130891	202	239	1	115.0690432	9.78E-69	ADCY9	ENSG00000162104
16	4244048	4244300	4244129	10	13	7	1.678090213	0.11195	SRL	ENSG00000185739
16	4526814	4527022	4526918	8	10	0	10.54799562	0.000613541	C16orf5	ENSG00000089486
16	4527370	4527695	4527530	11	15	0	15.34253909	2.13E-05	C16orf5	ENSG00000089486
16	4538827	4539072	4538952	8	10	0	10.54799562	0.000613541		ENSG00000205832
16	4615634	4616226	4616032	81	98	1	47.46598031	6.09E-28	MGRN1	ENSG00000102858
16	4887349	4887683	4887516	9	14	2	4.794543465	0.00154571	PPL	ENSG00000118898
16	4934842	4935202	4935021	9	16	4	3.260289556	0.00475414		ENSG00000200980
16	4946281	4946460	4946363	8	8	1	4.315089119	0.0127267	SEC14L5	ENSG00000103184
16	5227019	5227213	5227099	8	8	0	8.630178238	0.00235436		ENSG00000221809
16	5321164	5321679	5321503	32	41	4	8.054833022	5.63E-09		ENSG00000215086
16	5395727	5396546	5395933	71	110	2	35.47962164	5.96E-30		ENSG00000215086
16	8917345	8917527	8917368	8	9	2	3.19636231	0.0229249	USP7	ENSG00000187555
16	9049249	9049547	9049413	8	12	2	4.155271003	0.0046638		ENSG00000209566
16	9097277	9097460	9097390	9	9	2	3.19636231	0.0229249	C16orf72	ENSG00000182831
16	9798792	9799022	9798901	8	8	3	2.157544559	0.0836802		ENSG00000209573
16	10370401	10370825	10370609	44	55	4	10.73977736	1.34E-12	ATF7IP2	ENSG00000166669
16	10595871	10596404	10596137	38	57	10	5.056064018	3.21E-09	EMP2	ENSG00000213853
16	10738391	10738734	10738562	8	10	5	1.757999271	0.121253	NUBP1	ENSG00000103274
16	10835531	10835967	10835791	18	26	1	12.94526736	1.86E-07	FAM18A	ENSG00000166676
16	10972996	10973285	10973122	9	11	6	1.643843474	0.137712	CLEC16A	ENSG00000038532
16	11314525	11314768	11314660	9	9	0	9.589086931	0.00120187		ENSG00000199668
16	11358843	11359075	11358959	8	8	4	1.726035648	0.150596	C16orf75	ENSG00000175643
16	11359145	11359377	11359261	10	11	2	3.835634772	0.00800699	C16orf75	ENSG00000175643
16	11360701	11361111	11360880	12	21	4	4.219198249	0.000390041	C16orf75	ENSG00000175643
16	11498696	11499159	11498931	30	47	7	5.753452158	1.54E-08		ENSG00000188897
16	11563734	11564157	11563978	28	41	1	20.13708255	1.17E-11		ENSG00000209636
16	11641659	11641856	11641758	8	9	2	3.19636231	0.0229249	SNN	ENSG00000184602

16	11642720	11642958	11642839	10	10	2	3.515998541	0.0136204	SNN	ENSG00000184602
16	11707929	11708183	11708052	10	10	3	2.636998906	0.034203	TXNDC11	ENSG00000153066
16	11917915	11918297	11918094	11	17	6	2.465765211	0.014729	GSPT1	ENSG00000103342
16	12203696	12203917	12203831	8	8	3	2.157544559	0.0836802		ENSG00000205782
16	12539888	12540308	12540067	35	43	0	42.19198249	1.42E-13	SNX29	ENSG00000048471
16	12804889	12805121	12805005	9	11	2	3.835634772	0.00800699		ENSG00000103381
16	12898018	12898206	12898105	8	8	9	0.863017824	0.627343		ENSG00000199474
16	12900928	12901121	12901024	8	9	7	1.198635866	0.346278		ENSG00000199474
16	12941495	12941845	12941654	17	21	2	7.031997082	2.73E-05		ENSG00000199474
16	13454673	13455554	13454905	75	112	4	21.67133646	4.44E-28	ERCC4	ENSG00000175595
16	13794360	13794576	13794440	8	8	2	2.876726079	0.0381137	ERCC4	ENSG00000175595
16	13959228	13959486	13959339	11	13	5	2.237453617	0.038866	ERCC4	ENSG00000175595
16	14004664	14004923	14004793	10	12	2	4.155271003	0.0046638	MKL2	ENSG00000186260
16	14015409	14015683	14015546	10	11	5	1.917817386	0.0843804	MKL2	ENSG00000186260
16	14098600	14098798	14098677	9	9	5	1.598181155	0.170911	MKL2	ENSG00000186260
16	14308160	14308767	14308332	10	24	3	5.993179332	2.17E-05		ENSG00000199130
16	14465361	14465609	14465496	10	11	0	11.50690432	0.000313206		ENSG00000212739
16	14488238	14488604	14488417	42	49	46	1.020115631	0.460219		ENSG00000212739
16	14530410	14530801	14530683	8	12	5	2.077635502	0.0577144		ENSG00000212739
16	14566640	14566990	14566815	14	20	3	5.034270639	0.000202317	BFAR	ENSG00000103429
16	15644983	15645280	15645130	10	13	2	4.474907234	0.00269459		ENSG00000202641
16	15645611	15645871	15645741	9	10	0	10.54799562	0.000613541		ENSG00000202641
16	15646619	15646806	15646700	9	9	1	4.794543465	0.00708517		ENSG00000202641
16	16129067	16129256	16129128	9	9	3	2.397271733	0.0539397	ABCC6	ENSG00000091262
16	16153853	16154032	16153942	8	8	3	2.157544559	0.0836802	ABCC6	ENSG00000091262
16	16196322	16196603	16196477	9	11	1	5.753452158	0.00215302	ABCC6	ENSG00000091262
16	16634917	16635151	16635049	9	10	0	10.54799562	0.000613541		ENSG00000214940
16	16862894	16863413	16863189	50	67	4	13.04115823	8.73E-16		ENSG00000205748
16	16914793	16915002	16914897	9	9	2	3.19636231	0.0229249		ENSG00000205748
16	17073761	17073949	17073855	8	9	0	9.589086931	0.00120187		ENSG00000205748
16	17304573	17304763	17304668	8	8	1	4.315089119	0.0127267	XYLT1	ENSG00000103489
16	17305783	17306208	17306033	16	23	7	2.876726079	0.00239423	XYLT1	ENSG00000103489
16	17317088	17317296	17317172	11	11	1	5.753452158	0.00215302	XYLT1	ENSG00000103489
16	17516852	17517154	17516991	9	14	3	3.595907599	0.00486913	XYLT1	ENSG00000103489

16	17587213	17587451	17587310	9	10	0	10.54799562	0.000613541	XYLT1	ENSG00000103489
16	17634438	17634798	17634617	24	30	7	3.715771186	9.63E-05	XYLT1	ENSG00000103489
16	17838505	17838936	17838780	10	20	3	5.034270639	0.000202317		ENSG00000221687
16	17941090	17941298	17941235	9	9	2	3.19636231	0.0229249		ENSG00000221687
16	18011111	18011317	18011246	10	11	3	2.876726079	0.0213797		ENSG00000221687
16	18720505	18720991	18720739	11	19	3	4.794543465	0.000349205	ARL6IP1	ENSG00000170540
16	18888194	18888484	18888318	8	10	5	1.757999271	0.121253	TMC7	ENSG00000170537
16	18917621	18917990	18917785	11	16	2	5.433815927	0.000499302		ENSG00000207167
16	18927689	18928061	18927856	10	14	6	2.054804342	0.0480281		ENSG00000207167
16	19013601	19013879	19013718	10	12	3	3.116453252	0.0131971	ITPRIPL2	ENSG00000205730
16	19035592	19035857	19035701	10	11	5	1.917817386	0.0843804	ITPRIPL2	ENSG00000205730
16	19139534	19139897	19139735	10	15	0	15.34253909	2.13E-05	SYT17	ENSG00000103528
16	19295609	19295853	19295749	9	9	4	1.917817386	0.103282	TMC5	ENSG00000103534
16	19307938	19308420	19308094	9	19	7	2.397271733	0.0127287	TMC5	ENSG00000103534
16	19356102	19356292	19356197	9	9	1	4.794543465	0.00708517	TMC5	ENSG00000103534
16	19443968	19444214	19444103	8	11	3	2.876726079	0.0213797		ENSG00000103540
16	19474063	19474441	19474242	12	19	3	4.794543465	0.000349205	C16orf62	ENSG00000103544
16	19619155	19619473	19619314	8	13	1	6.712360851	0.000640982	IQCK	ENSG00000174628
16	19636992	19637308	19637131	10	13	1	6.712360851	0.000640982	C16orf88	ENSG00000103550
16	19805035	19805216	19805125	8	8	3	2.157544559	0.0836802	GPRC5B	ENSG00000167191
16	19968755	19968993	19968870	12	14	5	2.397271733	0.0258078	GPR139	ENSG00000180269
16	20003502	20003758	20003605	11	14	1	7.191815198	0.00034761	GPR139	ENSG00000180269
16	20102679	20103022	20102850	17	20	3	5.034270639	0.000202317	GPR139	ENSG00000180269
16	20660530	20661006	20660709	8	16	5	2.716907964	0.0109645	THUMPD1	ENSG00000066654
16	20768785	20769095	20768940	10	13	4	2.684944341	0.01921		ENSG00000209026
16	20784238	20785235	20784760	132	191	1	92.05523453	8.15E-55	DCUN1D3	ENSG00000188215
16	20820371	20820627	20820488	13	15	6	2.191791298	0.0328001	LYRM1	ENSG00000102897
16	21135506	21135761	21135637	9	10	1	5.273997812	0.00391723	ZP2	ENSG00000103310
16	21871911	21872388	21872081	14	25	7	3.116453252	0.000988074	UQCRC2	ENSG00000140740
16	21917404	21917788	21917628	11	15	4	3.068507818	0.0076507	C16orf65	ENSG00000155714
16	21984012	21984440	21984191	8	15	2	5.114179696	0.00088103	VWA3A	ENSG00000175267
16	22017879	22018178	22018036	9	13	4	2.684944341	0.01921	VWA3A	ENSG00000175267
16	22089201	22089421	22089311	12	13	0	13.4247217	8.16E-05		ENSG00000183921
16	22108551	22108882	22108716	8	11	5	1.917817386	0.0843804	EEF2K	ENSG00000103319

16	22109982	22110270	22110095	8	11	8	1.278544924	0.28289	EEF2K	ENSG00000103319
16	22114489	22114709	22114543	12	13	11	1.118726809	0.38479	EEF2K	ENSG00000103319
16	22151659	22151956	22151807	11	16	3	4.075361945	0.00173346	EEF2K	ENSG00000103319
16	22215706	22216154	22215977	16	27	7	3.356180426	0.000396559	POLR3E	ENSG00000058600
16	22216993	22217574	22217276	15	30	10	2.702379044	0.00113582	POLR3E	ENSG00000058600
16	22578809	22578988	22578909	8	9	5	1.598181155	0.170911		ENSG00000198064
16	22599359	22599876	22599658	10	23	11	1.917817386	0.0274129	HS3ST2	ENSG00000122254
16	22762880	22763086	22762974	12	12	0	12.46581301	0.000159888	HS3ST2	ENSG00000122254
16	23001035	23001374	23001201	13	18	0	18.21926517	2.83E-06	USP31	ENSG00000103404
16	23068324	23068555	23068453	8	9	1	4.794543465	0.00708517	USP31	ENSG00000103404
16	23342342	23342761	23342468	12	20	8	2.237453617	0.0160557		ENSG00000209795
16	23343392	23343646	23343515	11	13	2	4.474907234	0.00269459		ENSG00000209795
16	23476170	23476476	23476323	9	12	4	2.493162602	0.0299057	EARS2	ENSG00000103356
16	23559356	23559689	23559514	13	16	5	2.716907964	0.0109645	PALB2	ENSG00000083093
16	23560525	23560745	23560635	8	9	1	4.794543465	0.00708517	DCTN5	ENSG00000166847
16	23628276	23628693	23628516	10	19	0	19.17817386	1.44E-06	ERN2	ENSG00000134398
16	23646809	23647051	23646978	10	11	7	1.43836304	0.204844	ERN2	ENSG00000134398
16	23767838	23768017	23767927	8	8	3	2.157544559	0.0836802	PRKCB	ENSG00000166501
16	23915500	23915809	23915654	8	12	5	2.077635502	0.0577144	PRKCB	ENSG00000166501
16	23960962	23961159	23961060	10	10	2	3.515998541	0.0136204	PRKCB	ENSG00000166501
16	24172127	24172342	24172177	8	9	2	3.19636231	0.0229249	CACNG3	ENSG00000006116
16	24300395	24301180	24300806	65	101	5	16.30144778	5.16E-24		ENSG00000201541
16	24435895	24436203	24436049	10	11	2	3.835634772	0.00800699	RBBP6	ENSG00000122257
16	24459628	24459860	24459712	8	9	2	3.19636231	0.0229249	RBBP6	ENSG00000122257
16	24600888	24601157	24601022	8	8	4	1.726035648	0.150596	TNRC6A	ENSG00000090905
16	24763455	24763675	24763541	9	10	1	5.273997812	0.00391723	SLC5A11	ENSG00000158865
16	24959415	24959612	24959537	8	9	4	1.917817386	0.103282	ARHGAP17	ENSG00000140750
16	25025998	25026180	25026049	9	9	4	1.917817386	0.103282	LCMT1	ENSG00000205629
16	25198459	25198749	25198604	12	15	2	5.114179696	0.00088103	ZKSCAN2	ENSG00000155592
16	25352175	25352354	25352330	8	8	1	4.315089119	0.0127267	ZKSCAN2	ENSG00000155592
16	25472379	25473456	25472809	125	177	10	15.51688612	1.05E-39	HS3ST4	ENSG00000182601
16	25487734	25488592	25488042	48	86	4	16.68501126	6.33E-21	HS3ST4	ENSG00000182601
16	26941839	26942231	26942063	23	31	0	30.68507818	4.52E-10		ENSG00000213704
16	27293848	27294064	27293956	8	8	3	2.157544559	0.0836802	IL21R	ENSG00000103522

16	27327581	27327951	27327774	29	35	2	11.50690432	5.48E-09	IL21R	ENSG00000103522
16	27333603	27333907	27333749	12	14	1	7.191815198	0.00034761	IL21R	ENSG00000103522
16	27469460	27469647	27469553	8	8	2	2.876726079	0.0381137	KIAA0556	ENSG00000047578
16	27642694	27643234	27642961	29	54	3	13.18499453	3.33E-13		ENSG00000201371
16	27715663	27716006	27715798	15	19	1	9.589086931	1.56E-05		ENSG00000212382
16	27786726	27786924	27786825	8	9	5	1.598181155	0.170911		ENSG00000212382
16	27816598	27816902	27816731	9	13	7	1.678090213	0.11195	GSG1L	ENSG00000169181
16	27839430	27839734	27839580	9	11	7	1.43836304	0.204844	GSG1L	ENSG00000169181
16	27912329	27912815	27912560	35	48	4	9.397305192	8.99E-11		ENSG00000207266
16	28456000	28456372	28456179	36	45	4	8.821959976	5.35E-10		ENSG00000176046
16	28472739	28472979	28472910	10	12	2	4.155271003	0.0046638	CCDC101	ENSG00000176476
16	28782066	28782419	28782242	8	14	3	3.595907599	0.00486913	SH2B1	ENSG00000178188
16	28818822	28819205	28819033	15	20	0	20.13708255	7.37E-07	ATP2A1	ENSG00000196296
16	28864336	28864646	28864476	9	12	10	1.133255728	0.37674	NFATC2IP	ENSG00000176953
16	28893418	28893646	28893509	11	13	6	1.917817386	0.0693353	SPNS1	ENSG00000169682
16	29629154	29629378	29629266	8	9	5	1.598181155	0.170911		ENSG00000222375
16	29637836	29638125	29637987	15	17	0	17.26035648	5.54E-06		ENSG00000222375
16	29648068	29648316	29648194	8	10	5	1.757999271	0.121253		ENSG00000222375
16	29710403	29710608	29710503	8	9	6	1.369869562	0.253675	KIF22	ENSG00000079616
16	29782013	29782614	29782474	15	30	14	1.981744632	0.0116992		ENSG00000214725
16	29880326	29880556	29880454	8	9	3	2.397271733	0.0539397	TMEM219	ENSG00000149932
16	29892822	29893052	29892937	9	10	1	5.273997812	0.00391723	TAOK2	ENSG00000149930
16	29913765	29913997	29913879	8	10	2	3.515998541	0.0136204	HIRIP3	ENSG00000149929
16	29971780	29972110	29971945	10	13	10	1.220429246	0.306001	ALDOA	ENSG00000149925
16	29984223	29984427	29984354	9	10	8	1.171999514	0.35773	ALDOA	ENSG00000149925
16	30008733	30008980	30008856	10	13	3	3.356180426	0.00805599	TBX6	ENSG00000149922
16	30348838	30349198	30349023	9	15	12	1.180195315	0.324974		ENSG00000179958
16	30364699	30364966	30364832	10	11	5	1.917817386	0.0843804	SEPHS2	ENSG00000179918
16	30445621	30445832	30445759	8	8	1	4.315089119	0.0127267	ZNF768	ENSG00000169957
16	30446583	30446831	30446707	13	15	3	3.835634772	0.00291691	ZNF768	ENSG00000169957
16	30477105	30477406	30477183	8	12	8	1.385090334	0.219216	ZNF764	ENSG00000169951
16	30490599	30491391	30490917	13	33	10	2.963899597	0.000322893	ZNF785	ENSG00000197162
16	30504484	30504794	30504617	9	12	9	1.246581301	0.295061	ZNF785	ENSG00000197162
16	30516272	30516569	30516401	8	10	0	10.54799562	0.000613541	ZNF785	ENSG00000197162

16	30529160	30529523	30529327	11	15	2	5.114179696	0.00088103	ZNF689	ENSG00000156853
16	30569459	30569735	30569589	11	13	4	2.684944341	0.01921	PRR14	ENSG00000156858
16	30617950	30618177	30618052	9	11	4	2.301380863	0.0459276	SRCAP	ENSG00000080603
16	30618243	30618559	30618401	10	12	6	1.78083043	0.0985525	SRCAP	ENSG00000080603
16	30659217	30659634	30659396	12	18	7	2.277408146	0.0188653	PHKG2	ENSG00000156873
16	30705864	30706135	30705999	10	13	10	1.220429246	0.306001	ZNF629	ENSG00000102870
16	30724155	30724564	30724334	8	14	13	1.027402171	0.469541		ENSG00000183355
16	30775308	30775985	30775832	13	30	8	3.302907721	0.000239229		ENSG00000183355
16	30841065	30841603	30841244	9	20	13	1.43836304	0.140307		ENSG00000212972
16	30859258	30859473	30859365	9	9	0	9.589086931	0.00120187	ORAI3	ENSG00000175938
16	30868893	30869482	30869303	30	58	10	5.143237535	1.91E-09	ORAI3	ENSG00000175938
16	30876301	30876655	30876478	8	14	6	2.054804342	0.0480281	SETD1A	ENSG00000099381
16	30903889	30904073	30904018	8	10	4	2.109599125	0.0694668	HSD3B7	ENSG00000099377
16	30921247	30921479	30921314	10	11	4	2.301380863	0.0459276	STX1B	ENSG00000099365
16	30992888	30993314	30993135	12	22	14	1.470326663	0.117149	ZNF646	ENSG00000167395
16	31189255	31189499	31189377	9	11	0	11.50690432	0.000313206	ITGAM	ENSG00000169896
16	31192391	31192998	31192762	86	115	2	37.0778028	2.25E-31	ITGAM	ENSG00000169896
16	31203581	31203839	31203708	12	12	0	12.46581301	0.000159888	ITGAM	ENSG00000169896
16	31370659	31370861	31370754	11	12	4	2.493162602	0.0299057	ARMC5	ENSG00000140691
16	31454580	31454885	31454715	10	13	3	3.356180426	0.00805599	ERAF	ENSG00000169877
16	31458099	31458355	31458227	11	13	1	6.712360851	0.000640982		ENSG00000213547
16	31615803	31616043	31615923	8	9	4	1.917817386	0.103282	C16orf67	ENSG00000131797
16	32784228	32784461	32784344	9	11	0	11.50690432	0.000313206	IGHV2OR1	ENSG00000214618
16	33796732	33797065	33796898	32	32	49	0.632879737	0.980874		ENSG00000207986
16	33857534	33858009	33857830	32	43	36	1.140323851	0.276185		ENSG00000207986
16	33858414	33858767	33858590	18	23	15	1.43836304	0.12479		ENSG00000207986
16	33858776	33859013	33858883	8	11	14	0.767126954	0.756447		ENSG00000207986
16	33860096	33861061	33860712	77	124	77	1.536712649	0.00124859		ENSG00000207986
16	33861099	33861446	33861272	13	16	11	1.358453982	0.20248		ENSG00000207986
16	33863018	33863502	33863197	17	31	18	1.615004115	0.044781		ENSG00000207986
16	33863824	33864214	33864104	20	29	15	1.797953799	0.0249937		ENSG00000207986
16	33864456	33865160	33864783	61	113	92	1.175436462	0.122484		ENSG00000207986
16	33865206	33865523	33865364	9	10	14	0.703199708	0.817173		ENSG00000207986
16	33866252	33867203	33866727	36	78	57	1.306099772	0.059537		ENSG00000207986

16	33868120	33868384	33868275	10	10	8	1.171999514	0.35773	ENSG00000207986
16	33868474	33868822	33868648	23	25	20	1.187220287	0.276369	ENSG00000207986
16	33869915	33871757	33870865	134	543	434	1.199186963	0.0023033	ENSG00000200002
16	33872370	33872620	33872464	20	20	21	0.915321934	0.614384	ENSG00000200434
16	33872806	33873141	33872973	24	30	23	1.238590395	0.2125	ENSG00000200434
16	33881236	33881419	33881284	8	8	6	1.232882605	0.333038	ENSG00000200434
16	33881531	33881965	33881708	11	18	14	1.214617678	0.282961	ENSG00000200434
16	33881979	33882336	33882157	11	17	17	0.958908693	0.549739	ENSG00000200434
16	33882687	33883052	33882862	12	16	6	2.328778255	0.0221113	ENSG00000200434
16	33930057	33930392	33930224	53	54	61	0.850644808	0.809499	ENSG00000200434
16	34194748	34194970	34194859	8	8	1	4.315089119	0.0127267	ENSG00000214590
16	34584229	34584450	34584372	9	9	3	2.397271733	0.0539397	ENSG00000214581
16	34653625	34653960	34653792	11	16	2	5.433815927	0.000499302	ENSG00000213543
16	44943938	44944337	44944158	18	25	22	1.08398374	0.38731	ENSG00000199448
16	44949109	44949442	44949275	17	20	20	0.958908693	0.553754	ENSG00000199448
16	44949562	44949893	44949732	10	12	14	0.831054201	0.689281	ENSG00000199448
16	44951556	44952125	44951955	22	38	26	1.385090334	0.0931711	ENSG00000199448
16	44962319	44962500	44962497	9	9	1	4.794543465	0.00708517	ENSG00000199448
16	44974474	44974922	44974749	16	25	38	0.639272462	0.963789	ENSG00000199448
16	44976976	44977157	44977007	8	8	1	4.315089119	0.0127267	ENSG00000199448
16	44984378	44984777	44984599	8	12	11	1.038817751	0.460341	ENSG00000199448
16	44984908	44985346	44985052	17	25	27	0.890415215	0.665585	ENSG00000199448
16	44985427	44985607	44985460	8	8	1	4.315089119	0.0127267	ENSG00000199448
16	46096228	46096413	46096255	13	14	16	0.846095906	0.68298	ENSG00000210173
16	46748456	46748728	46748602	10	10	4	2.109599125	0.0694668	ABCC12 ENSG00000140798
16	46757434	46757627	46757539	8	8	0	8.630178238	0.00235436	ABCC12 ENSG00000140798
16	49422139	49422400	49422238	17	21	4	4.219198249	0.000390041	ENSG00000199771
16	49904678	49904976	49904827	9	11	0	11.50690432	0.000313206	SALL1 ENSG00000103449
16	50144724	50145051	50144887	16	20	6	2.876726079	0.00408924	ENSG00000212961
16	51643908	51644515	51644094	53	79	0	76.71269544	4.35E-24	CHD9 ENSG00000177200
16	51861448	51861700	51861545	8	9	0	9.589086931	0.00120187	ENSG00000212582
16	51969365	51970060	51969712	45	64	2	20.77635502	5.71E-17	ENSG00000202193
16	52041217	52041623	52041428	36	47	0	46.02761727	9.62E-15	RBL2 ENSG00000103479
16	52323940	52324185	52324058	10	12	6	1.78083043	0.0985525	FTO ENSG00000140718

16	52360053	52360319	52360188	10	11	3	2.876726079	0.0213797	FTO	ENSG00000140718
16	52517805	52518058	52517963	8	10	1	5.273997812	0.00391723	FTO	ENSG00000140718
16	52930608	52930799	52930703	9	9	0	9.589086931	0.00120187	IRX3	ENSG00000177508
16	55380801	55381070	55380973	8	10	0	10.54799562	0.000613541	NUP93	ENSG00000102900
16	56407843	56408077	56407948	9	9	3	2.397271733	0.0539397		ENSG00000187185
16	56720687	56721107	56720935	12	18	1	9.109632584	2.91E-05	C16orf80	ENSG00000070761
16	57003285	57003479	57003341	8	9	4	1.917817386	0.103282	GINS3	ENSG00000181938
16	58580113	58580452	58580245	18	22	1	11.02744997	2.36E-06		ENSG00000200911
16	59914864	59915128	59914996	10	13	0	13.4247217	8.16E-05		ENSG00000180019
16	60524682	60524973	60524803	18	20	2	6.712360851	4.91E-05	CDH8	ENSG00000150394
16	60625305	60625716	60625456	11	18	3	4.554816292	0.000599415	CDH8	ENSG00000150394
16	61445322	61445594	61445459	12	13	0	13.4247217	8.16E-05		ENSG00000223123
16	63029085	63029385	63029233	23	25	0	24.93162602	2.56E-08		
16	63691077	63691318	63691199	13	15	0	15.34253909	2.13E-05	CDH11	ENSG00000140937
16	64360454	64360869	64360631	17	24	0	23.97271733	5.01E-08		
16	64362255	64362434	64362344	8	8	0	8.630178238	0.00235436		
16	64475551	64475812	64475677	9	12	0	12.46581301	0.000159888		ENSG00000201999
16	65172031	65172225	65172077	8	9	0	9.589086931	0.00120187	CMTM2	ENSG00000140932
16	65519304	65519743	65519473	27	39	2	12.78544924	4.53E-10	RRAD	ENSG00000166592
16	66053420	66053630	66053525	8	10	0	10.54799562	0.000613541		ENSG00000214430
16	66135824	66136216	66136017	17	25	0	24.93162602	2.56E-08	FAM65A	ENSG00000039523
16	66267983	66268296	66268147	11	15	0	15.34253909	2.13E-05	C16orf86	ENSG00000159761
16	66407907	66408350	66408050	10	19	5	3.19636231	0.00280933	TSNAXIP1	ENSG00000102904
16	66437984	66438331	66438175	9	13	1	6.712360851	0.000640982	NUTF2	ENSG00000102898
16	66484333	66484560	66484448	10	11	4	2.301380863	0.0459276	PSKH1	ENSG00000159792
16	66553046	66553500	66553225	16	24	2	7.990905775	4.56E-06	SLC12A4	ENSG00000124067
16	66557429	66558104	66557790	55	85	3	20.6165369	1.06E-21	SLC12A4	ENSG00000124067
16	66614579	66614793	66614728	8	10	2	3.515998541	0.0136204	DUS2L	ENSG00000167264
16	66683032	66683504	66683268	31	42	6	5.890439114	6.20E-08		ENSG00000201850
16	66866961	66867470	66867212	21	36	3	8.869905411	1.98E-08		ENSG00000210531
16	66920134	66920344	66920245	9	10	5	1.757999271	0.121253		ENSG00000222177
16	66984891	66985123	66985007	13	14	1	7.191815198	0.00034761		ENSG00000214388
16	66998310	66998493	66998382	8	10	2	3.515998541	0.0136204	SMPD3	ENSG00000103056
16	67250126	67250377	67250267	11	12	4	2.493162602	0.0299057	CDH3	ENSG00000062038

16	67259519	67259990	67259698	16	27	3	6.712360851	3.92E-06	CDH3	ENSG00000062038
16	67295931	67296239	67296085	10	13	1	6.712360851	0.000640982	CDH1	ENSG00000039068
16	67336056	67336485	67336361	11	20	8	2.237453617	0.0160557		ENSG00000200558
16	67341696	67341892	67341794	9	10	1	5.273997812	0.00391723		ENSG00000200558
16	67527931	67528691	67528315	39	71	4	13.80828518	7.37E-17		ENSG00000203389
16	67987576	67987764	67987698	8	9	2	3.19636231	0.0229249	TERF2	ENSG00000132604
16	68158560	68158893	68158736	10	15	5	2.557089848	0.0169197		ENSG00000223109
16	69047549	69047733	69047641	9	9	3	2.397271733	0.0539397	FUK	ENSG00000157353
16	69114907	69115194	69115054	12	15	8	1.704726565	0.0916153	COG4	ENSG00000103051
16	69153100	69153327	69153213	9	10	7	1.318499453	0.269217		ENSG00000221066
16	69338252	69338584	69338418	8	11	0	11.50690432	0.000313206		ENSG00000214353
16	69370333	69370704	69370556	12	18	5	3.036544195	0.0044641	VAC14	ENSG00000103043
16	69467811	69468154	69467985	11	14	15	0.8989769	0.617119		ENSG00000223316
16	69488169	69488374	69488224	8	9	3	2.397271733	0.0539397		ENSG00000223316
16	69530766	69531103	69530934	13	18	8	2.024362796	0.0334397	HYDIN2	ENSG00000157423
16	69531121	69531655	69531350	11	22	11	1.837908328	0.0378204	HYDIN2	ENSG00000157423
16	69562874	69563143	69563018	9	10	7	1.318499453	0.269217	HYDIN2	ENSG00000157423
16	69564424	69564618	69564521	8	10	7	1.318499453	0.269217	HYDIN2	ENSG00000157423
16	69578624	69579089	69578842	11	21	22	0.917217011	0.614252	HYDIN2	ENSG00000157423
16	69588976	69589217	69589096	10	11	4	2.301380863	0.0459276	HYDIN2	ENSG00000157423
16	69590786	69590991	69590886	8	8	5	1.43836304	0.235762	HYDIN2	ENSG00000157423
16	69591229	69591669	69591396	10	17	29	0.575345216	0.971331	HYDIN2	ENSG00000157423
16	69600381	69600618	69600486	8	9	1	4.794543465	0.00708517	HYDIN2	ENSG00000157423
16	69610503	69610966	69610722	14	25	23	1.038817751	0.445246	HYDIN2	ENSG00000157423
16	69611240	69611497	69611368	9	10	4	2.109599125	0.0694668	HYDIN2	ENSG00000157423
16	69629400	69629641	69629520	8	10	11	0.878999635	0.622439	HYDIN2	ENSG00000157423
16	69632011	69632426	69632258	8	13	6	1.917817386	0.0693353	HYDIN2	ENSG00000157423
16	69633598	69633803	69633700	9	10	5	1.757999271	0.121253	HYDIN2	ENSG00000157423
16	69645793	69645987	69645945	8	8	6	1.232882605	0.333038	HYDIN2	ENSG00000157423
16	69654841	69655039	69654969	9	10	7	1.318499453	0.269217	HYDIN2	ENSG00000157423
16	69664798	69664984	69664844	9	9	3	2.397271733	0.0539397	HYDIN2	ENSG00000157423
16	69678799	69679016	69678858	8	9	6	1.369869562	0.253675	HYDIN2	ENSG00000157423
16	69684977	69685220	69685056	10	13	10	1.220429246	0.306001	HYDIN2	ENSG00000157423
16	69713113	69713296	69713240	9	9	3	2.397271733	0.0539397	HYDIN2	ENSG00000157423

16	69722496	69722792	69722647	10	12	3	3.116453252	0.0131971	HYDIN2	ENSG00000157423
16	69725608	69726342	69726091	29	54	21	2.397271733	0.000123904	HYDIN2	ENSG00000157423
16	69728245	69728507	69728369	8	10	1	5.273997812	0.00391723	HYDIN2	ENSG00000157423
16	69742635	69742857	69742766	8	10	9	1.054799562	0.4492	HYDIN2	ENSG00000157423
16	69755099	69755284	69755172	8	10	3	2.636998906	0.034203	HYDIN2	ENSG00000157423
16	69757280	69758057	69757548	19	49	9	4.794543465	6.20E-08	HYDIN2	ENSG00000157423
16	69881069	69881280	69881174	13	14	3	3.595907599	0.00486913	FTSJD1	ENSG00000180917
16	70222293	70222496	70222421	8	9	3	2.397271733	0.0539397	MARVELD3	ENSG00000140832
16	70314263	70314485	70314372	9	11	8	1.278544924	0.28289	PHLPPL	ENSG00000040199
16	70400117	70400612	70400296	11	20	17	1.118726809	0.361026	AP1G1	ENSG00000166747
16	70486530	70487103	70486709	10	25	6	3.56166086	0.000408555	KIAA0174	ENSG00000182149
16	70599797	70600004	70599900	9	10	2	3.515998541	0.0136204	DHODH	ENSG00000102967
16	70623818	70624052	70623950	9	9	2	3.19636231	0.0229249	HP	ENSG00000197711
16	70716405	70716609	70716475	8	9	3	2.397271733	0.0539397	DHX38	ENSG00000140829
16	71226594	71226816	71226721	8	8	0	8.630178238	0.00235436		ENSG00000221286
16	71255534	71255782	71255689	9	11	5	1.917817386	0.0843804		ENSG00000221286
16	71578973	71579406	71579193	11	19	4	3.835634772	0.00108365		ENSG00000221799
16	71588365	71588820	71588619	15	23	16	1.353753449	0.165001		ENSG00000221799
16	71607016	71607357	71607186	11	17	10	1.569123316	0.112309		ENSG00000221799
16	71631470	71631893	71631745	12	21	1	10.54799562	4.43E-06	ZFH3	ENSG00000140836
16	71648320	71648602	71648454	8	10	3	2.636998906	0.034203	ZFH3	ENSG00000140836
16	71661977	71662391	71662212	12	20	4	4.027416511	0.000652226	ZFH3	ENSG00000140836
16	71669652	71669831	71669741	8	8	4	1.726035648	0.150596	ZFH3	ENSG00000140836
16	71763428	71763641	71763534	8	8	3	2.157544559	0.0836802	C16orf47	ENSG00000197445
16	71763988	71764209	71764071	10	11	9	1.150690432	0.367789	C16orf47	ENSG00000197445
16	71788116	71788382	71788249	12	14	2	4.794543465	0.00154571	C16orf47	ENSG00000197445
16	71810654	71810926	71810798	11	15	0	15.34253909	2.13E-05	C16orf47	ENSG00000197445
16	71883747	71883933	71883780	9	10	1	5.273997812	0.00391723	C16orf47	ENSG00000197445
16	72167785	72168042	72167875	9	10	0	10.54799562	0.000613541		ENSG00000184543
16	72305551	72305871	72305706	12	15	0	15.34253909	2.13E-05		ENSG00000184543
16	72326495	72326751	72326623	13	13	0	13.4247217	8.16E-05		ENSG00000184543
16	72456329	72456589	72456458	9	10	0	10.54799562	0.000613541		ENSG00000184543
16	72470487	72470666	72470613	8	8	1	4.315089119	0.0127267		ENSG00000184543
16	72715339	72715677	72715473	13	17	3	4.315089119	0.00102271		ENSG00000222127

16	72823813	72824085	72823943	8	11	1	5.753452158	0.00215302	PSMD7	ENSG00000103035
16	72824376	72824670	72824523	15	18	4	3.643853034	0.00178791	PSMD7	ENSG00000103035
16	72887388	72887643	72887515	8	10	3	2.636998906	0.034203	PSMD7	ENSG00000103035
16	72888200	72888445	72888289	10	11	5	1.917817386	0.0843804	PSMD7	ENSG00000103035
16	72889000	72889279	72889139	8	9	6	1.369869562	0.253675	PSMD7	ENSG00000103035
16	72889476	72889887	72889713	16	24	2	7.990905775	4.56E-06	PSMD7	ENSG00000103035
16	73022559	73023092	73022913	40	58	7	7.071951611	3.52E-11		ENSG00000140839
16	73180877	73181056	73180959	8	8	1	4.315089119	0.0127267	GLG1	ENSG00000090863
16	73198715	73198947	73198851	12	13	4	2.684944341	0.01921	GLG1	ENSG00000090863
16	73321442	73321949	73321613	24	38	4	7.479487806	3.22E-08	MLKL	ENSG00000168404
16	73324916	73325107	73325029	8	8	3	2.157544559	0.0836802	MLKL	ENSG00000168404
16	73330886	73331397	73331149	15	29	0	28.76726079	1.74E-09	FA2H	ENSG00000103089
16	73335137	73335334	73335206	8	9	4	1.917817386	0.103282	FA2H	ENSG00000103089
16	73335377	73335786	73335512	11	19	7	2.397271733	0.0127287	FA2H	ENSG00000103089
16	73341259	73341492	73341349	9	11	6	1.643843474	0.137712	FA2H	ENSG00000103089
16	73404435	73404938	73404770	19	29	12	2.212866215	0.00585289	FA2H	ENSG00000103089
16	73409485	73409684	73409584	9	9	5	1.598181155	0.170911	FA2H	ENSG00000103089
16	73454116	73454463	73454293	13	16	3	4.075361945	0.00173346	FA2H	ENSG00000103089
16	73459108	73459444	73459287	12	17	1	8.630178238	5.44E-05	FA2H	ENSG00000103089
16	73489149	73489377	73489227	10	10	2	3.515998541	0.0136204	WDR59	ENSG00000103091
16	73569225	73569404	73569308	8	9	2	3.19636231	0.0229249	WDR59	ENSG00000103091
16	73576502	73576884	73576717	10	16	2	5.433815927	0.000499302	WDR59	ENSG00000103091
16	73593637	73593816	73593726	8	8	3	2.157544559	0.0836802	ZNRF1	ENSG00000186187
16	73617784	73618018	73617901	8	11	1	5.753452158	0.00215302	ZNRF1	ENSG00000186187
16	73636486	73636897	73636665	9	18	15	1.138704073	0.348127	ZNRF1	ENSG00000186187
16	73645440	73645729	73645585	9	11	6	1.643843474	0.137712	ZNRF1	ENSG00000186187
16	73650945	73651178	73651020	9	11	11	0.958908693	0.540507	LDHD	ENSG00000166816
16	73678110	73678327	73678218	8	9	5	1.598181155	0.170911	LDHD	ENSG00000166816
16	73678527	73678906	73678727	16	23	4	4.602761727	0.000137072	LDHD	ENSG00000166816
16	73687785	73688077	73687931	10	13	7	1.678090213	0.11195	LDHD	ENSG00000166816
16	73688117	73688391	73688254	14	16	13	1.164389127	0.333296	LDHD	ENSG00000166816
16	73702525	73703082	73702918	12	24	11	1.997726444	0.0196649	LDHD	ENSG00000166816
16	73739628	73739934	73739781	9	14	9	1.43836304	0.179537	ZFP1	ENSG00000184517
16	73780670	73780878	73780813	9	10	2	3.515998541	0.0136204		ENSG00000213318

16	73790772	73791060	73790916	11	14	8	1.598181155	0.124586	ENSG00000213318
16	73859367	73859631	73859527	12	13	6	1.917817386	0.0693353	BCAR1 ENSG00000050820
16	73896436	73897439	73897048	23	65	20	3.013713035	8.74E-07	BCAR1 ENSG00000050820
16	74025869	74026102	74026026	8	10	9	1.054799562	0.4492	CFDP1 ENSG00000153774
16	74055914	74056415	74056233	12	24	14	1.598181155	0.0700275	TMEM170A ENSG00000166822
16	74063172	74063522	74063343	10	15	8	1.704726565	0.0916153	TMEM170A ENSG00000166822
16	74074752	74074970	74074827	10	10	2	3.515998541	0.0136204	CHST6 ENSG00000183196
16	74077388	74077823	74077635	18	32	3	7.910996718	2.12E-07	CHST6 ENSG00000183196
16	74111340	74111591	74111473	17	18	1	9.109632584	2.91E-05	CHST5 ENSG00000135702
16	74139677	74139897	74139812	8	9	3	2.397271733	0.0539397	ENSG00000205084
16	74146591	74147000	74146678	10	17	11	1.43836304	0.15834	ENSG00000205084
16	74156390	74156737	74156563	19	25	6	3.56166086	0.000408555	GABARAPL: ENSG00000034713
16	74158230	74158651	74158489	11	20	14	1.34247217	0.186867	GABARAPL: ENSG00000034713
16	74160020	74160212	74160140	8	9	5	1.598181155	0.170911	GABARAPL: ENSG00000034713
16	74194766	74194945	74194806	8	8	2	2.876726079	0.0381137	ADAT1 ENSG00000065457
16	74197649	74197864	74197756	9	9	1	4.794543465	0.00708517	ADAT1 ENSG00000065457
16	74212642	74212856	74212736	11	12	6	1.78083043	0.0985525	ADAT1 ENSG00000065457
16	74214584	74215062	74214763	13	22	2	7.351633313	1.51E-05	ADAT1 ENSG00000065457
16	74238492	74238697	74238618	8	8	8	0.958908693	0.534974	KARS ENSG00000065427
16	74238880	74239571	74239275	9	26	15	1.61815842	0.0584619	TERF2IP ENSG00000166848
16	74259918	74260380	74260097	21	29	5	4.794543465	1.89E-05	TERF2IP ENSG00000166848
16	74293537	74293745	74293641	8	8	2	2.876726079	0.0381137	ENSG00000214325
16	74361239	74361456	74361372	9	10	2	3.515998541	0.0136204	ENSG00000213308
16	74494765	74495213	74495003	40	56	4	10.9315591	7.30E-13	ENSG00000199299
16	74818054	74818268	74818131	8	8	4	1.726035648	0.150596	ENSG00000213307
16	75771231	75771465	75771348	9	10	6	1.506856518	0.188853	MON1B ENSG00000103111
16	75827466	75827713	75827582	10	12	5	2.077635502	0.0577144	ENSG00000205078
16	75942021	75942200	75942110	9	9	1	4.794543465	0.00708517	ADAMTS18 ENSG00000140873
16	76034703	76035038	76034870	8	14	4	2.876726079	0.01219	ENSG00000216131
16	76048459	76048854	76048619	22	30	0	29.72616948	8.86E-10	ENSG00000216131
16	76175644	76176110	76175823	11	20	7	2.517135319	0.00849957	ENSG00000221226
16	76267231	76267444	76267306	9	12	1	6.232906505	0.00117736	ENSG00000221226
16	76374177	76374520	76374312	11	15	7	1.917817386	0.0572317	VAT1L ENSG00000171724
16	76496728	76497295	76497116	19	39	6	5.479478246	3.16E-07	CLEC3A ENSG00000166509

16	76536271	76536533	76536388	8	11	0	11.50690432	0.000313206	CLEC3A	ENSG00000166509
16	76569834	76570435	76570190	13	28	6	3.972621728	9.48E-05	CLEC3A	ENSG00000166509
16	76583001	76583769	76583227	181	253	4	48.71256161	7.09E-68	CLEC3A	ENSG00000166509
16	76584396	76584778	76584726	8	15	4	3.068507818	0.0076507	CLEC3A	ENSG00000166509
16	76587184	76587811	76587431	96	139	9	13.4247217	1.77E-30	CLEC3A	ENSG00000166509
16	76594297	76594638	76594467	13	18	5	3.036544195	0.0044641	CLEC3A	ENSG00000166509
16	76641994	76642207	76642100	9	11	2	3.835634772	0.00800699	CLEC3A	ENSG00000166509
16	76663948	76664133	76663972	8	9	7	1.198635866	0.346278	WVVOX	ENSG00000186153
16	76690552	76691070	76690898	11	21	6	3.013713035	0.00261913	WVVOX	ENSG00000186153
16	76696957	76697203	76697080	10	10	3	2.636998906	0.034203	WVVOX	ENSG00000186153
16	76725414	76725598	76725506	8	9	7	1.198635866	0.346278	WVVOX	ENSG00000186153
16	76812087	76812301	76812179	9	9	2	3.19636231	0.0229249	WVVOX	ENSG00000186153
16	76826623	76826827	76826708	8	8	3	2.157544559	0.0836802	WVVOX	ENSG00000186153
16	77248579	77248758	77248668	8	9	1	4.794543465	0.00708517	WVVOX	ENSG00000186153
16	77266790	77267029	77266911	9	9	2	3.19636231	0.0229249	WVVOX	ENSG00000186153
16	77387596	77387782	77387689	8	9	3	2.397271733	0.0539397	WVVOX	ENSG00000186153
16	78122287	78122473	78122380	8	9	7	1.198635866	0.346278	MAF	ENSG00000178573
16	78231335	78231640	78231487	10	13	5	2.237453617	0.038866		ENSG00000221330
16	78618330	78618772	78618597	52	65	4	12.65759475	2.99E-15		ENSG00000221330
16	78696592	78696876	78696734	10	12	2	4.155271003	0.0046638		ENSG00000221330
16	78822557	78822750	78822641	8	8	5	1.43836304	0.235762	DYNLRB2	ENSG00000168589
16	79011876	79012055	79011980	8	8	0	8.630178238	0.00235436	DYNLRB2	ENSG00000168589
16	79095740	79096143	79095964	8	14	3	3.595907599	0.00486913	DYNLRB2	ENSG00000168589
16	79113397	79113651	79113560	8	11	0	11.50690432	0.000313206	DYNLRB2	ENSG00000168589
16	79205295	79205873	79205523	21	38	14	2.493162602	0.000683772	DYNLRB2	ENSG00000168589
16	79207161	79207391	79207266	10	11	8	1.278544924	0.28289	DYNLRB2	ENSG00000168589
16	79211261	79211554	79211426	10	13	8	1.491635745	0.166708	DYNLRB2	ENSG00000168589
16	79309892	79310179	79310015	14	17	4	3.452071295	0.00292757	CDYL2	ENSG00000166446
16	79342575	79342985	79342724	15	23	6	3.287686948	0.00104919	CDYL2	ENSG00000166446
16	79429023	79429334	79429178	9	14	6	2.054804342	0.0480281	CDYL2	ENSG00000166446
16	79491734	79491932	79491783	9	10	6	1.506856518	0.188853	CDYL2	ENSG00000166446
16	79667925	79668156	79668040	9	12	5	2.077635502	0.0577144	C16orf46	ENSG00000166455
16	79728179	79728362	79728286	8	8	5	1.43836304	0.235762	PKD1L2	ENSG00000166473
16	79766467	79766791	79766627	8	12	5	2.077635502	0.0577144	PKD1L2	ENSG00000166473

16	79772367	79772623	79772462	11	14	4	2.876726079	0.01219	PKD1L2	ENSG00000166473
16	79847363	79847622	79847516	8	11	2	3.835634772	0.00800699	BCMO1	ENSG00000135697
16	79868876	79869080	79868950	8	9	6	1.369869562	0.253675	GAN	ENSG00000127688
16	79919013	79919194	79919113	8	8	1	4.315089119	0.0127267	GAN	ENSG00000127688
16	80090743	80091288	80090922	35	57	6	7.945243457	1.33E-11		ENSG00000213288
16	80096050	80096387	80096218	14	17	8	1.917817386	0.0474153		ENSG00000213288
16	80142593	80142772	80142694	8	9	6	1.369869562	0.253675		ENSG00000153815
16	80176967	80177171	80177069	8	9	1	4.794543465	0.00708517		ENSG00000153815
16	80214509	80214798	80214653	9	11	5	1.917817386	0.0843804		ENSG00000153815
16	80275631	80275836	80275783	8	9	2	3.19636231	0.0229249		ENSG00000153815
16	80314336	80314603	80314469	9	12	6	1.78083043	0.0985525	PLCG2	ENSG00000197943
16	80368562	80368760	80368604	8	9	0	9.589086931	0.00120187	PLCG2	ENSG00000197943
16	80399427	80399614	80399541	8	9	1	4.794543465	0.00708517	PLCG2	ENSG00000197943
16	80401986	80402462	80402317	10	18	2	6.073088389	0.000157975	PLCG2	ENSG00000197943
16	80481271	80481830	80481584	8	17	4	3.452071295	0.00292757		ENSG00000200543
16	80703109	80703360	80703234	8	10	0	10.54799562	0.000613541		ENSG00000210827
16	80778627	80778930	80778778	8	12	2	4.155271003	0.0046638	MPHOSPH6	ENSG00000135698
16	80921031	80921271	80921192	8	9	4	1.917817386	0.103282		ENSG00000210858
16	80935390	80935592	80935536	9	11	2	3.835634772	0.00800699		ENSG00000210858
16	81114784	81115012	81114898	9	11	2	3.835634772	0.00800699		ENSG00000210858
16	81221981	81222249	81222115	8	11	2	3.835634772	0.00800699		ENSG00000210858
16	81717343	81717714	81717522	18	25	0	24.93162602	2.56E-08		ENSG00000210864
16	81844773	81844988	81844911	9	9	2	3.19636231	0.0229249		ENSG00000222299
16	81855250	81855429	81855339	8	8	1	4.315089119	0.0127267		ENSG00000222299
16	82152976	82153160	82153068	8	8	7	1.07877228	0.435076		ENSG00000222299
16	82211909	82212117	82211961	8	8	1	4.315089119	0.0127267	HSBP1	ENSG00000166530
16	82227585	82228437	82228199	49	84	3	20.37680973	2.02E-21	HSBP1	ENSG00000166530
16	82252849	82253094	82252974	14	14	0	14.3836304	4.17E-05	HSBP1	ENSG00000166530
16	82393324	82393597	82393457	15	16	5	2.716907964	0.0109645	HSBP1	ENSG00000166530
16	82399077	82399291	82399165	8	9	2	3.19636231	0.0229249	HSBP1	ENSG00000166530
16	82417228	82417485	82417356	8	10	4	2.109599125	0.0694668	HSBP1	ENSG00000166530
16	82438714	82439191	82438919	46	68	8	7.351633313	5.58E-13	HSBP1	ENSG00000166530
16	82470015	82470222	82470118	10	11	5	1.917817386	0.0843804	MLYCD	ENSG00000103150
16	82545345	82545600	82545472	10	10	8	1.171999514	0.35773	OSGIN1	ENSG00000140961

16	82547956	82548232	82548094	9	11	8	1.278544924	0.28289	OSGIN1	ENSG00000140961
16	82653888	82654079	82653932	9	9	0	9.589086931	0.00120187	SLC38A8	ENSG00000166558
16	82687753	82688018	82687885	10	12	4	2.493162602	0.0299057	MBTPS1	ENSG00000140943
16	82694876	82695083	82694998	11	11	3	2.876726079	0.0213797	MBTPS1	ENSG00000140943
16	82695495	82695742	82695621	9	11	7	1.43836304	0.204844	MBTPS1	ENSG00000140943
16	82697691	82698036	82697805	8	13	6	1.917817386	0.0693353	MBTPS1	ENSG00000140943
16	82708544	82708820	82708642	9	12	4	2.493162602	0.0299057	MBTPS1	ENSG00000140943
16	82729743	82729956	82729854	8	8	5	1.43836304	0.235762	HSDL1	ENSG00000103160
16	82768131	82768493	82768384	11	15	4	3.068507818	0.0076507	TAF1C	ENSG00000103168
16	83102309	83102780	83102601	11	22	12	1.696530765	0.057768	KIAA1609	ENSG00000140950
16	83294926	83295194	83295060	8	12	5	2.077635502	0.0577144	USP10	ENSG00000103194
16	83316886	83317464	83317288	12	24	8	2.663635258	0.00328036	USP10	ENSG00000103194
16	83321585	83321819	83321758	18	20	5	3.356180426	0.0017534	USP10	ENSG00000103194
16	83329527	83329973	83329807	8	16	7	2.037680973	0.0400399	USP10	ENSG00000103194
16	83433679	83433927	83433812	8	9	2	3.19636231	0.0229249	CRISPLD2	ENSG00000103196
16	83442414	83442623	83442532	10	11	2	3.835634772	0.00800699	CRISPLD2	ENSG00000103196
16	83476070	83476319	83476186	8	9	3	2.397271733	0.0539397		ENSG00000213275
16	83543389	83543626	83543512	10	13	6	1.917817386	0.0693353		ENSG00000213275
16	83585928	83586152	83586040	11	13	2	4.474907234	0.00269459	ZDHHC7	ENSG00000153786
16	83590227	83590804	83590511	20	34	11	2.796817021	0.000446021	ZDHHC7	ENSG00000153786
16	83620665	83621016	83620845	24	29	2	9.589086931	2.21E-07	KIAA0513	ENSG00000135709
16	83677863	83678202	83678072	9	14	4	2.876726079	0.01219	FAM92B	ENSG00000153789
16	83689124	83689360	83689251	9	11	0	11.50690432	0.000313206	FAM92B	ENSG00000153789
16	83708885	83709162	83709023	14	17	3	4.315089119	0.00102271	FAM92B	ENSG00000153789
16	83734978	83735661	83735232	19	45	7	5.513724985	4.52E-08	FAM92B	ENSG00000153789
16	83738404	83738865	83738583	9	16	8	1.811271976	0.0663685	FAM92B	ENSG00000153789
16	83743866	83744077	83743978	8	10	1	5.273997812	0.00391723	FAM92B	ENSG00000153789
16	83780349	83780547	83780413	8	10	1	5.273997812	0.00391723	FAM92B	ENSG00000153789
16	83795400	83795592	83795496	9	9	4	1.917817386	0.103282	TMEM148	ENSG00000179219
16	83836845	83837133	83836989	8	11	4	2.301380863	0.0459276	TMEM148	ENSG00000179219
16	83881429	83881654	83881519	8	9	3	2.397271733	0.0539397	TMEM148	ENSG00000179219
16	83907604	83907859	83907731	8	12	1	6.232906505	0.00117736		ENSG00000220991
16	83940745	83941090	83940913	8	13	8	1.491635745	0.166708		ENSG00000220991
16	83942115	83942498	83942299	14	23	14	1.534253909	0.0910901		ENSG00000220991

16	83951688	83951892	83951790	8	9	0	9.589086931	0.00120187		ENSG00000220991
16	83956371	83956797	83956550	25	37	5	6.073088389	2.49E-07		ENSG00000220991
16	83975873	83976397	83976139	19	35	3	8.630178238	3.59E-08		ENSG00000220991
16	84007547	84007888	84007714	12	17	10	1.569123316	0.112309		ENSG00000220991
16	84053306	84053734	84053609	12	17	4	3.452071295	0.00292757		ENSG00000220991
16	84062999	84063429	84063216	14	24	12	1.844055179	0.0315307	KIAA0182	ENSG00000131149
16	84083171	84083389	84083253	11	12	5	2.077635502	0.0577144	KIAA0182	ENSG00000131149
16	84111912	84112227	84112059	17	19	13	1.369869562	0.177863	KIAA0182	ENSG00000131149
16	84112250	84112433	84112285	8	8	13	0.616441303	0.878084	KIAA0182	ENSG00000131149
16	84116247	84116451	84116339	8	8	2	2.876726079	0.0381137	KIAA0182	ENSG00000131149
16	84149346	84149647	84149496	12	15	1	7.671269544	0.000187863	KIAA0182	ENSG00000131149
16	84202989	84203355	84203168	14	21	2	7.031997082	2.73E-05	KIAA0182	ENSG00000131149
16	84204160	84204456	84204311	10	12	5	2.077635502	0.0577144	KIAA0182	ENSG00000131149
16	84206185	84206474	84206301	9	13	11	1.118726809	0.38479	KIAA0182	ENSG00000131149
16	84250948	84251150	84251095	10	11	6	1.643843474	0.137712		ENSG00000222516
16	84368953	84369273	84369113	12	16	3	4.075361945	0.00173346	COX4NB	ENSG00000131148
16	84390602	84390855	84390714	11	12	2	4.155271003	0.0046638	COX4I1	ENSG00000131143
16	84391244	84391488	84391366	11	12	2	4.155271003	0.0046638	COX4I1	ENSG00000131143
16	84410406	84410599	84410496	8	8	6	1.232882605	0.333038		ENSG00000214259
16	84412126	84412380	84412253	10	12	3	3.116453252	0.0131971		ENSG00000214259
16	84412681	84412983	84412837	10	12	7	1.558226626	0.152813		ENSG00000214259
16	84482476	84482871	84482633	10	17	4	3.452071295	0.00292757	IRF8	ENSG00000140968
16	84514295	84514495	84514393	8	9	1	4.794543465	0.00708517	IRF8	ENSG00000140968
16	84716301	84716798	84716514	17	30	2	9.908723162	1.20E-07		ENSG00000199949
16	85093445	85093922	85093673	37	50	9	4.890434335	3.71E-08	FOXF1	ENSG00000103241
16	85216294	85216620	85216469	17	21	4	4.219198249	0.000390041	FOXL1	ENSG00000176678
16	85356654	85356962	85356815	10	12	0	12.46581301	0.000159888	FOXL1	ENSG00000176678
16	85435857	85436262	85436036	27	36	6	5.068517378	1.56E-06	FOXL1	ENSG00000176678
16	85493119	85493387	85493270	8	11	5	1.917817386	0.0843804	FOXL1	ENSG00000176678
16	85530893	85531126	85530999	8	9	1	4.794543465	0.00708517	FOXL1	ENSG00000176678
16	85798123	85798454	85798288	9	12	2	4.155271003	0.0046638		ENSG00000210934
16	85869777	85870068	85869891	10	13	4	2.684944341	0.01921		ENSG00000210934
16	85908028	85908218	85908123	8	9	7	1.198635866	0.346278		ENSG00000131152
16	85908881	85909099	85908936	8	11	1	5.753452158	0.00215302		ENSG00000131152

16	85915739	85915971	85915857	8	9	4	1.917817386	0.103282		ENSG00000131152
16	85975017	85975431	85975155	11	19	10	1.743470351	0.0622604	FBXO31	ENSG00000103264
16	85979723	85979930	85979849	8	9	3	2.397271733	0.0539397	MAP1LC3B	ENSG00000140941
16	86052627	86052835	86052748	9	11	4	2.301380863	0.0459276	ZCCHC14	ENSG00000140948
16	86360400	86360628	86360517	8	9	5	1.598181155	0.170911	KLHDC4	ENSG00000104731
16	86368672	86369279	86369149	12	30	12	2.286628422	0.0040739	KLHDC4	ENSG00000104731
16	86370154	86370549	86370318	9	15	5	2.557089848	0.0169197	KLHDC4	ENSG00000104731
16	86380670	86381439	86381132	14	42	14	2.748871587	0.000142169	KLHDC4	ENSG00000104731
16	86398055	86398429	86398218	11	17	10	1.569123316	0.112309	KLHDC4	ENSG00000104731
16	86425756	86426011	86425883	8	10	2	3.515998541	0.0136204	SLC7A5	ENSG00000103257
16	86441275	86441491	86441351	8	9	1	4.794543465	0.00708517	SLC7A5	ENSG00000103257
16	86443486	86443697	86443553	8	11	2	3.835634772	0.00800699	SLC7A5	ENSG00000103257
16	86444494	86445028	86444788	43	70	13	4.863036943	1.32E-10	SLC7A5	ENSG00000103257
16	86445263	86445774	86445647	13	23	9	2.301380863	0.00938618	SLC7A5	ENSG00000103257
16	86462690	86462998	86462844	13	15	10	1.394776281	0.191426	SLC7A5	ENSG00000103257
16	86516466	86516757	86516588	17	20	0	20.13708255	7.37E-07	CA5A	ENSG00000174990
16	86536869	86537142	86536992	14	17	2	5.753452158	0.000281509	BANP	ENSG00000172530
16	86541911	86542196	86542018	10	14	12	1.106433107	0.392094	BANP	ENSG00000172530
16	86542205	86542420	86542267	11	11	6	1.643843474	0.137712	BANP	ENSG00000172530
16	86710091	86710304	86710201	8	10	5	1.757999271	0.121253		ENSG00000205037
16	86976286	86976673	86976475	18	27	5	4.474907234	5.37E-05	ZFPM1	ENSG00000179588
16	87045049	87045392	87045220	8	12	1	6.232906505	0.00117736	ZFPM1	ENSG00000179588
16	87047900	87048094	87047997	8	8	2	2.876726079	0.0381137	ZFPM1	ENSG00000179588
16	87048962	87049214	87049106	10	11	2	3.835634772	0.00800699	ZFPM1	ENSG00000179588
16	87104311	87104613	87104457	16	19	3	4.794543465	0.000349205	ZFPM1	ENSG00000179588
16	87331408	87331694	87331563	9	11	3	2.876726079	0.0213797		ENSG00000197539
16	87341750	87342232	87341945	9	18	11	1.518272097	0.122037		ENSG00000182376
16	87364805	87365157	87364981	8	14	5	2.397271733	0.0258078		ENSG00000182376
16	87501905	87502091	87501949	8	9	4	1.917817386	0.103282		ENSG00000205018
16	87519166	87519454	87519310	10	14	9	1.43836304	0.179537		ENSG00000205018
16	87716234	87716650	87716335	14	23	5	3.835634772	0.000408054	ACSF3	ENSG00000176715
16	87744093	87744353	87744210	15	15	2	5.114179696	0.00088103	C16orf81	ENSG00000180422
16	87764636	87764829	87764762	8	8	1	4.315089119	0.0127267	CDH15	ENSG00000129910
16	87834753	87835034	87834893	12	15	6	2.191791298	0.0328001		ENSG00000205014

16	87835256	87835563	87835409	8	11	1	5.753452158	0.00215302		ENSG00000205014
16	87912641	87912867	87912696	11	12	2	4.155271003	0.0046638	ANKRD11	ENSG00000167522
16	87913016	87913370	87913231	13	18	4	3.643853034	0.00178791	ANKRD11	ENSG00000167522
16	87914110	87914547	87914400	11	17	10	1.569123316	0.112309	ANKRD11	ENSG00000167522
16	87964082	87964541	87964258	11	18	5	3.036544195	0.0044641		ENSG00000210946
16	87998430	87998728	87998592	8	11	2	3.835634772	0.00800699		ENSG00000210946
16	88035779	88036670	88036147	62	93	10	8.19431065	8.22E-18	ANKRD11	ENSG00000167522
16	88037386	88037727	88037553	12	17	5	2.876726079	0.00703033	ANKRD11	ENSG00000167522
16	88050552	88050735	88050659	8	8	6	1.232882605	0.333038	ANKRD11	ENSG00000167522
16	88052368	88053252	88052575	162	204	6	28.08232601	2.22E-51	ANKRD11	ENSG00000167522
16	88072646	88072885	88072765	12	14	4	2.876726079	0.01219	ANKRD11	ENSG00000167522
16	88159475	88159805	88159641	10	14	11	1.198635866	0.315918		ENSG00000200084
16	88194105	88194626	88194492	12	23	5	3.835634772	0.000408054	DPEP1	ENSG00000015413
16	88226981	88227161	88227091	8	8	2	2.876726079	0.0381137	DPEP1	ENSG00000015413
16	88294190	88294392	88294291	10	11	8	1.278544924	0.28289	SPATA2L	ENSG00000158792
16	88299963	88300240	88300070	9	11	3	2.876726079	0.0213797	SPATA2L	ENSG00000158792
16	88389561	88389740	88389673	8	8	2	2.876726079	0.0381137	FANCA	ENSG00000187741
16	88416392	88416604	88416523	8	8	4	1.726035648	0.150596	SPIRE2	ENSG00000204991
16	88431735	88431990	88431864	8	10	7	1.318499453	0.269217	SPIRE2	ENSG00000204991
16	88504410	88504619	88504513	10	10	5	1.757999271	0.121253		ENSG00000182289
16	88616233	88616530	88616381	10	14	5	2.397271733	0.0258078	GAS8	ENSG00000141013
16	88675884	88676320	88676010	8	15	7	1.917817386	0.0572317	PRDM7	ENSG00000126856
17	198896	199196	199042	12	13	3	3.356180426	0.00805599	RPH3AL	ENSG00000181031
17	964933	965151	965074	8	9	6	1.369869562	0.253675	ABR	ENSG00000159842
17	965352	965547	965409	8	10	6	1.506856518	0.188853	ABR	ENSG00000159842
17	1037314	1037501	1037407	10	10	0	10.54799562	0.000613541	ABR	ENSG00000159842
17	1103867	1104046	1103935	8	8	4	1.726035648	0.150596		ENSG00000205899
17	1440079	1440408	1440251	18	22	2	7.351633313	1.51E-05		ENSG00000209459
17	1447845	1448093	1447969	9	12	0	12.46581301	0.000159888		ENSG00000209459
17	1564196	1564429	1564338	11	14	0	14.3836304	4.17E-05		ENSG00000199060
17	1620200	1620486	1620365	14	17	3	4.315089119	0.00102271	SERPINF1	ENSG00000132386
17	1847360	1847954	1847568	43	58	2	18.85853763	2.68E-15	DPH1	ENSG00000108963
17	1945077	1945306	1945191	10	10	3	2.636998906	0.034203	SMG6	ENSG00000070366
17	1988909	1989194	1989051	9	10	10	0.958908693	0.538751	SMG6	ENSG00000070366

17	2094811	2095186	2094990	8	15	2	5.114179696	0.00088103	SMG6	ENSG00000070366
17	2152971	2153262	2153116	8	10	2	3.515998541	0.0136204	SMG6	ENSG00000070366
17	2203182	2203367	2203274	8	9	1	4.794543465	0.00708517	SGSM2	ENSG00000141258
17	2647967	2648204	2648085	8	10	3	2.636998906	0.034203	GARNL4	ENSG00000132359
17	2776031	2776467	2776205	15	24	0	23.97271733	5.01E-08		ENSG00000203592
17	2825530	2825804	2825667	10	13	4	2.684944341	0.01921		ENSG00000203592
17	4011408	4011606	4011507	10	10	1	5.273997812	0.00391723	CYB5D2	ENSG00000167740
17	4037238	4037484	4037362	13	15	2	5.114179696	0.00088103		ENSG00000207390
17	4069317	4069774	4069528	23	32	1	15.82199344	3.96E-09		ENSG00000207390
17	4082248	4082427	4082386	8	9	1	4.794543465	0.00708517	ANKFY1	ENSG00000185722
17	4257987	4258209	4258136	9	10	1	5.273997812	0.00391723	SPNS3	ENSG00000182557
17	4365751	4366064	4365910	10	13	0	13.4247217	8.16E-05	SPNS2	ENSG00000183018
17	4411028	4411305	4411206	8	9	6	1.369869562	0.253675	GGT6	ENSG00000167741
17	4429664	4430093	4429930	16	25	2	8.310542006	2.50E-06	SMTNL2	ENSG00000188176
17	4640541	4640829	4640704	12	15	3	3.835634772	0.00291691	GLTPD2	ENSG00000182327
17	4646272	4646451	4646376	8	8	3	2.157544559	0.0836802	PSMB6	ENSG00000142507
17	4703683	4704316	4703970	35	51	1	24.93162602	1.73E-14		ENSG00000216765
17	4784370	4784643	4784487	8	10	6	1.506856518	0.188853	RNF167	ENSG00000108523
17	5313095	5313274	5313174	8	8	0	8.630178238	0.00235436	DHX33	ENSG00000005100
17	5665180	5665425	5665326	10	11	1	5.753452158	0.00215302	NLRP1	ENSG00000091592
17	5681025	5681299	5681124	10	14	3	3.595907599	0.00486913	WSCD1	ENSG00000179314
17	6037041	6037433	6037272	13	19	2	6.39272462	8.83E-05		ENSG00000206618
17	6411581	6411942	6411755	10	15	4	3.068507818	0.0076507	PITPNM3	ENSG00000091622
17	6498853	6499437	6499032	11	29	4	5.753452158	5.31E-06	C17orf100	ENSG00000212734
17	7086915	7087206	7087070	11	14	5	2.397271733	0.0258078	GABARAP	ENSG00000170296
17	7096287	7096570	7096463	9	12	3	3.116453252	0.0131971	C17orf81	ENSG00000170291
17	7124604	7124887	7124730	11	13	5	2.237453617	0.038866	SLC2A4	ENSG00000181856
17	7168316	7168561	7168463	8	10	1	5.273997812	0.00391723		ENSG00000215041
17	7198382	7198781	7198639	14	20	1	10.06854128	8.32E-06	TMEM95	ENSG00000182896
17	7206013	7206310	7206141	8	11	0	11.50690432	0.000313206	TMEM95	ENSG00000182896
17	7531419	7531762	7531658	8	12	3	3.116453252	0.0131971	TP53	ENSG00000141510
17	7532080	7532717	7532227	12	25	9	2.493162602	0.00432225	WDR79	ENSG00000141499
17	7962540	7962819	7962673	8	10	0	10.54799562	0.000613541	ALOXE3	ENSG00000179148
17	7962951	7963131	7963041	9	9	3	2.397271733	0.0539397	ALOXE3	ENSG00000179148

17	7964252	7964528	7964407	8	12	5	2.077635502	0.0577144	ALOXE3	ENSG00000179148
17	7983229	7983716	7983408	12	25	6	3.56166086	0.000408555	PER1	ENSG00000179094
17	8000782	8001234	8000943	9	17	3	4.315089119	0.00102271	PER1	ENSG00000179094
17	8031107	8031408	8031259	12	17	6	2.465765211	0.014729	C17orf59	ENSG00000196544
17	8031685	8031995	8031838	10	15	9	1.534253909	0.136498	C17orf59	ENSG00000196544
17	8064678	8065067	8064764	9	15	6	2.191791298	0.0328001	C17orf44	ENSG00000178977
17	8066255	8066473	8066355	9	10	8	1.171999514	0.35773	C17orf44	ENSG00000178977
17	8066583	8066782	8066682	8	9	4	1.917817386	0.103282	C17orf44	ENSG00000178977
17	8070150	8070645	8070282	9	19	18	1.009377572	0.487356	C17orf44	ENSG00000178977
17	8070945	8071262	8071117	12	16	8	1.811271976	0.0663685	C17orf44	ENSG00000178977
17	8425353	8425661	8425507	17	19	4	3.835634772	0.00108365		ENSG00000223093
17	8664581	8664856	8664718	9	9	3	2.397271733	0.0539397	MFSD6L	ENSG00000185156
17	8664882	8665271	8665043	12	18	3	4.554816292	0.000599415	MFSD6L	ENSG00000185156
17	8675386	8675620	8675482	10	11	0	11.50690432	0.000313206	MFSD6L	ENSG00000185156
17	9050974	9051227	9051100	8	8	1	4.315089119	0.0127267		ENSG00000216007
17	9963874	9964124	9963989	8	10	4	2.109599125	0.0694668		ENSG00000221486
17	10049591	10050069	10049890	55	67	0	65.20579113	1.39E-20	GAS7	ENSG00000007237
17	10054259	10054575	10054416	13	18	5	3.036544195	0.0044641	GAS7	ENSG00000007237
17	10141189	10141536	10141346	12	17	0	17.26035648	5.54E-06	MYH13	ENSG00000006788
17	10195739	10196096	10195918	12	17	0	17.26035648	5.54E-06	MYH13	ENSG00000006788
17	10642523	10642722	10642622	10	11	1	5.753452158	0.00215302		ENSG00000205351
17	11779897	11780127	11780012	11	11	1	5.753452158	0.00215302	DNAH9	ENSG00000007174
17	12561061	12561254	12561113	9	11	0	11.50690432	0.000313206	MYOCD	ENSG00000141052
17	12746113	12746298	12746189	8	8	1	4.315089119	0.0127267		ENSG00000006740
17	12862173	12862556	12862410	15	20	2	6.712360851	4.91E-05	ELAC2	ENSG00000006744
17	12943544	12943856	12943700	14	15	4	3.068507818	0.0076507	ELAC2	ENSG00000006744
17	13019237	13019618	13019393	18	24	1	11.98635866	6.63E-07	ELAC2	ENSG00000006744
17	13424955	13425155	13425036	8	8	3	2.157544559	0.0836802	HS3ST3A1	ENSG00000153976
17	14463845	14464212	14464063	11	16	0	16.30144778	1.09E-05		ENSG00000217265
17	15764863	15765146	15765005	8	10	1	5.273997812	0.00391723	ADORA2B	ENSG00000170425
17	15807635	15808243	15807986	45	61	3	14.86308474	4.23E-15	ADORA2B	ENSG00000170425
17	16015724	16015935	16015816	8	9	3	2.397271733	0.0539397		ENSG00000222695
17	16862754	16862942	16862887	9	10	0	10.54799562	0.000613541	MPRIP	ENSG00000133030
17	16864203	16864529	16864380	10	14	0	14.3836304	4.17E-05	MPRIP	ENSG00000133030

17	17003689	17003875	17003762	8	8	0	8.630178238	0.00235436	MPRIIP	ENSG00000133030
17	17030121	17030364	17030242	9	12	2	4.155271003	0.0046638		ENSG00000209051
17	17033651	17033991	17033821	21	26	1	12.94526736	1.86E-07		ENSG00000209051
17	17140410	17140684	17140552	11	11	2	3.835634772	0.00800699	NT5M	ENSG00000205309
17	17290338	17290566	17290466	8	9	4	1.917817386	0.103282		ENSG00000217731
17	17435575	17435943	17435776	11	17	3	4.315089119	0.00102271	PEMT	ENSG00000133027
17	17529928	17530133	17530074	8	11	6	1.643843474	0.137712	RAI1	ENSG00000108557
17	17555007	17555263	17555135	8	10	3	2.636998906	0.034203	RAI1	ENSG00000108557
17	17758051	17758266	17758158	10	10	5	1.757999271	0.121253		ENSG00000212937
17	17795599	17795899	17795720	12	15	1	7.671269544	0.000187863	TOM1L2	ENSG00000175662
17	17931816	17932102	17931942	14	17	6	2.465765211	0.014729	DRG2	ENSG00000108591
17	19351984	19352302	19352142	10	13	8	1.491635745	0.166708		ENSG00000220507
17	19493116	19493380	19493248	10	11	5	1.917817386	0.0843804		ENSG00000209875
17	19597024	19597630	19597242	54	76	6	10.54799562	1.85E-16		ENSG00000219014
17	19830763	19831067	19830895	13	17	0	17.26035648	5.54E-06	AKAP10	ENSG00000108599
17	19852819	19853009	19852931	8	8	1	4.315089119	0.0127267	SPECC1	ENSG00000128487
17	19939190	19939511	19939350	10	14	0	14.3836304	4.17E-05	SPECC1	ENSG00000128487
17	20067722	20068165	20067986	13	22	0	22.05489994	1.92E-07	SPECC1	ENSG00000128487
17	20942784	20943030	20942907	8	10	5	1.757999271	0.121253	DHRS7B	ENSG00000109016
17	21166911	21167270	21167073	9	15	4	3.068507818	0.0076507	MAP2K3	ENSG00000034152
17	21240148	21240526	21240342	32	41	3	10.06854128	9.74E-10	KCNJ12	ENSG00000184185
17	21944682	21945022	21944852	33	33	85	0.379103437	1		ENSG00000209244
17	22289014	22289378	22289193	8	15	10	1.394776281	0.191426		ENSG00000210006
17	22592804	22593081	22592941	19	20	6	2.876726079	0.00408924		ENSG00000213664
17	22682370	22682870	22682549	55	71	0	69.0414259	9.44E-22	WSB1	ENSG00000109046
17	22683595	22683974	22683756	10	16	0	16.30144778	1.09E-05	WSB1	ENSG00000109046
17	22845381	22845751	22845542	12	17	1	8.630178238	5.44E-05	KSR1	ENSG00000141068
17	22903155	22903476	22903316	8	11	3	2.876726079	0.0213797	KSR1	ENSG00000141068
17	23221662	23221875	23221768	9	10	0	10.54799562	0.000613541		ENSG00000205191
17	23392554	23392792	23392655	12	13	3	3.356180426	0.00805599	NLK	ENSG00000087095
17	23570305	23570597	23570464	13	13	0	13.4247217	8.16E-05		ENSG00000203482
17	23602861	23603067	23602964	8	11	6	1.643843474	0.137712		ENSG00000203479
17	23633780	23634257	23633949	37	53	1	25.89053471	4.67E-15		ENSG00000203478
17	23677331	23677616	23677472	11	14	4	2.876726079	0.01219	IFT20	ENSG00000109083

17	23731305	23731583	23731444	11	13	0	13.4247217	8.16E-05		ENSG00000203472
17	23767956	23768209	23768082	10	10	0	10.54799562	0.000613541		ENSG00000203468
17	23923106	23923313	23923237	8	9	3	2.397271733	0.0539397	PIGS	ENSG00000087111
17	24070531	24070878	24070727	10	14	1	7.191815198	0.00034761	RPL23A	ENSG00000198242
17	24071467	24071686	24071574	8	11	3	2.876726079	0.0213797	RPL23A	ENSG00000198242
17	24080143	24080458	24080300	8	13	5	2.237453617	0.038866	NEK8	ENSG00000160602
17	24094103	24094633	24094312	128	166	4	32.02755035	3.47E-43	TRAF4	ENSG00000076604
17	24094720	24095095	24094868	9	14	0	14.3836304	4.17E-05	TRAF4	ENSG00000076604
17	24097031	24097402	24097276	9	14	3	3.595907599	0.00486913	TRAF4	ENSG00000076604
17	24097855	24098380	24098001	10	19	8	2.130908207	0.0233014	TRAF4	ENSG00000076604
17	24290199	24290378	24290288	8	9	3	2.397271733	0.0539397	PHF12	ENSG00000109118
17	24299911	24300160	24300033	9	10	5	1.757999271	0.121253	PHF12	ENSG00000109118
17	24302959	24303180	24303040	9	10	5	1.757999271	0.121253	PHF12	ENSG00000109118
17	24303375	24303822	24303554	15	27	19	1.34247217	0.153055	PHF12	ENSG00000109118
17	24347543	24347927	24347779	11	17	2	5.753452158	0.000281509	SEZ6	ENSG00000063015
17	24410661	24410910	24410780	9	11	1	5.753452158	0.00215302	TIAF1	ENSG00000221995
17	24423809	24424090	24423949	8	11	1	5.753452158	0.00215302	TIAF1	ENSG00000221995
17	24592227	24592411	24592329	8	9	2	3.19636231	0.0229249	CRYBA1	ENSG00000108255
17	24634744	24634938	24634875	8	8	2	2.876726079	0.0381137	NUFIP2	ENSG00000108256
17	24645228	24645860	24645577	15	30	7	3.715771186	9.63E-05	NUFIP2	ENSG00000108256
17	24721161	24721365	24721263	8	10	1	5.273997812	0.00391723		ENSG00000222363
17	24990478	24990965	24990605	11	23	4	4.602761727	0.000137072		ENSG00000222858
17	25354974	25355650	25355357	22	42	3	10.30826845	5.31E-10		ENSG00000207011
17	25391744	25392231	25391988	26	43	0	42.19198249	1.42E-13		ENSG00000207011
17	25467697	25467886	25467768	8	8	4	1.726035648	0.150596	CCDC55	ENSG00000126653
17	25569800	25569979	25569913	8	8	0	8.630178238	0.00235436	SLC6A4	ENSG00000108576
17	25587964	25588224	25588094	11	13	1	6.712360851	0.000640982	SLC6A4	ENSG00000108576
17	25823761	25824057	25823921	11	14	1	7.191815198	0.00034761	GOSR1	ENSG00000108587
17	25828413	25828598	25828505	8	8	0	8.630178238	0.00235436	GOSR1	ENSG00000108587
17	26423333	26423741	26423509	38	46	3	11.26717714	4.63E-11	NF1	ENSG00000196712
17	26625401	26625723	26625562	15	17	2	5.753452158	0.000281509		ENSG00000210267
17	26900967	26901447	26901210	13	21	12	1.622768557	0.076896		ENSG00000207614
17	27193766	27194189	27193905	8	14	3	3.595907599	0.00486913	C17orf79	ENSG00000172301
17	28014395	28014588	28014516	8	8	3	2.157544559	0.0836802		ENSG00000210329

17	28173892	28174134	28174013	18	21	19	1.054799562	0.429896		ENSG00000201178
17	28934492	28935036	28934857	33	44	5	7.191815198	4.84E-09		ENSG00000221699
17	29497648	29497830	29497739	8	8	0	8.630178238	0.00235436	ACCN1	ENSG00000108684
17	29557820	29558085	29557951	10	11	1	5.753452158	0.00215302	CCL2	ENSG00000108691
17	29752255	29752628	29752449	18	25	1	12.46581301	3.51E-07		ENSG00000210356
17	30502093	30502617	30502289	81	131	100	1.253227203	0.0428779	UNC45B	ENSG00000141161
17	30510745	30511040	30510892	18	23	0	23.01380863	9.81E-08	UNC45B	ENSG00000141161
17	30938328	30938587	30938457	8	10	7	1.318499453	0.269217	AP2B1	ENSG00000006125
17	31381497	31381894	31381661	8	15	0	15.34253909	2.13E-05	CCL23	ENSG00000167236
17	32470729	32470910	32470783	8	9	1	4.794543465	0.00708517	AATF	ENSG00000108270
17	32922258	32922647	32922452	8	18	3	4.554816292	0.000599415	DUSP14	ENSG00000161326
17	32925388	32925786	32925635	14	20	3	5.034270639	0.000202317	DUSP14	ENSG00000161326
17	32996448	32996627	32996598	10	10	2	3.515998541	0.0136204	AP1GBP1	ENSG00000006114
17	33004799	33004987	33004893	8	9	1	4.794543465	0.00708517	AP1GBP1	ENSG00000006114
17	34008344	34008630	34008482	11	14	5	2.397271733	0.0258078		ENSG00000017373
17	34235072	34235285	34235178	8	9	5	1.598181155	0.170911	CCDC49	ENSG00000108296
17	34263542	34263760	34263651	9	9	8	1.065454103	0.442605	RPL23	ENSG00000125691
17	34277838	34278066	34277952	10	10	4	2.109599125	0.0694668	LASP1	ENSG00000002834
17	34281400	34281579	34281498	8	8	1	4.315089119	0.0127267	LASP1	ENSG00000002834
17	34456425	34457049	34456657	248	306	4	58.87699375	5.00E-83		ENSG00000214553
17	34562226	34562534	34562390	8	11	6	1.643843474	0.137712	PLXDC1	ENSG00000161381
17	34563411	34563615	34563567	10	13	3	3.356180426	0.00805599	PLXDC1	ENSG00000161381
17	34574402	34574589	34574484	8	8	6	1.232882605	0.333038	ARL5C	ENSG00000141748
17	34871018	34871285	34871151	11	13	1	6.712360851	0.000640982	CRKRS	ENSG00000167258
17	35113324	35113569	35113409	8	9	4	1.917817386	0.103282	ERBB2	ENSG00000141736
17	35115606	35115896	35115756	10	12	4	2.493162602	0.0299057	ERBB2	ENSG00000141736
17	35159770	35160269	35159978	23	34	0	33.56180426	6.02E-11	GRB7	ENSG00000141738
17	35282566	35282791	35282681	9	10	5	1.757999271	0.121253	ZBP2	ENSG00000186075
17	35604079	35604345	35604212	18	19	0	19.17817386	1.44E-06	RAPGEFL1	ENSG00000108352
17	35721661	35721887	35721802	9	9	4	1.917817386	0.103282	RARA	ENSG00000131759
17	35723991	35724825	35724162	24	62	1	30.20562383	1.28E-17	RARA	ENSG00000131759
17	35772446	35772691	35772560	9	10	5	1.757999271	0.121253	GJD3	ENSG00000183153
17	35881023	35881306	35881173	10	12	1	6.232906505	0.00117736	TNS4	ENSG00000131746
17	35947741	35948169	35947920	27	36	1	17.73981082	3.00E-10	CCR7	ENSG00000126353

17	35992092	35992524	35992305	16	27	3	6.712360851	3.92E-06	CCR7	ENSG00000126353
17	36144836	36145151	36144979	8	9	1	4.794543465	0.00708517	KRT25	ENSG00000204897
17	36367917	36368237	36368063	13	17	9	1.726035648	0.0753664	KRT39	ENSG00000196859
17	36874462	36874863	36874684	13	20	6	2.876726079	0.00408924	KRT32	ENSG00000108759
17	36928762	36928995	36928878	11	12	8	1.385090334	0.219216	KRT15	ENSG00000171346
17	36929374	36929680	36929498	13	17	7	2.157544559	0.0276499	KRT15	ENSG00000171346
17	36945927	36946149	36946043	8	10	2	3.515998541	0.0136204	KRT19	ENSG00000171345
17	36958610	36958881	36958745	9	11	7	1.43836304	0.204844	KRT19	ENSG00000171345
17	37105727	37105939	37105833	9	9	2	3.19636231	0.0229249	EIF1	ENSG00000173812
17	37182010	37182247	37182096	10	12	4	2.493162602	0.0299057	JUP	ENSG00000173801
17	37193998	37194332	37194163	9	13	3	3.356180426	0.00805599	JUP	ENSG00000173801
17	37196710	37197052	37196820	10	15	8	1.704726565	0.0916153	JUP	ENSG00000173801
17	37205815	37206056	37205935	8	9	6	1.369869562	0.253675	JUP	ENSG00000173801
17	37211239	37211637	37211458	9	16	8	1.811271976	0.0663685		ENSG00000141696
17	37371521	37371746	37371632	8	9	6	1.369869562	0.253675	CNP	ENSG00000173786
17	37456629	37457280	37457106	13	25	4	4.986325204	4.72E-05	ZNF385C	ENSG00000187595
17	37522314	37522504	37522409	9	10	3	2.636998906	0.034203	DHX58	ENSG00000108771
17	37559296	37559502	37559416	8	8	2	2.876726079	0.0381137	RAB5C	ENSG00000108774
17	37794160	37794530	37794351	13	19	6	2.739739123	0.00632909	STAT3	ENSG00000168610
17	37833960	37834316	37834138	16	22	1	11.02744997	2.36E-06	PTRF	ENSG00000177469
17	37932990	37933169	37933031	8	8	2	2.876726079	0.0381137	NAGLU	ENSG00000108784
17	38300835	38301120	38300981	10	10	1	5.273997812	0.00391723		ENSG00000213373
17	38403547	38403944	38403785	23	29	5	4.794543465	1.89E-05	RPL27	ENSG00000131469
17	38737215	38737990	38737472	25	58	45	1.229904628	0.144288	TMEM106A	ENSG00000184988
17	38748592	38748881	38748736	8	13	21	0.610214623	0.930478	TMEM106A	ENSG00000184988
17	38755704	38756769	38756027	34	82	85	0.92545839	0.692753	TMEM106A	ENSG00000184988
17	38819009	38819201	38819027	10	12	2	4.155271003	0.0046638		ENSG00000222944
17	38819234	38819543	38819390	8	10	4	2.109599125	0.0694668		ENSG00000222944
17	38821508	38822180	38821951	15	39	34	1.095895649	0.344651		ENSG00000204733
17	38822259	38822535	38822390	12	15	13	1.095895649	0.398774		ENSG00000188825
17	38851826	38852021	38851923	8	9	0	9.589086931	0.00120187	ARL4D	ENSG00000175906
17	38877159	38877655	38877331	11	21	3	5.273997812	0.00011662		ENSG00000186995
17	38916635	38916958	38916796	14	19	4	3.835634772	0.00108365	DHX8	ENSG00000067596
17	38980878	38981174	38981012	26	28	0	27.8083521	3.40E-09	ETV4	ENSG00000175832

17	39127371	39127604	39127487	8	11	2	3.835634772	0.00800699	MEOX1	ENSG00000005102
17	39151181	39151396	39151288	8	8	1	4.315089119	0.0127267		ENSG00000215964
17	39272541	39273087	39272913	17	31	4	6.137015636	1.74E-06	MPP3	ENSG00000161647
17	39305111	39305612	39305400	62	83	1	40.27416511	1.25E-23	CD300LG	ENSG00000161649
17	39447770	39448099	39447931	16	21	4	4.219198249	0.000390041	TMEM101	ENSG00000091947
17	39565226	39565422	39565324	8	9	3	2.397271733	0.0539397		ENSG00000212446
17	39570964	39571435	39571279	10	18	1	9.109632584	2.91E-05		ENSG00000212446
17	39574564	39574891	39574722	13	17	5	2.876726079	0.00703033	C17orf53	ENSG00000125319
17	39585562	39586227	39585969	115	155	2	49.86325204	8.41E-43	C17orf53	ENSG00000125319
17	39777865	39778106	39777949	8	10	3	2.636998906	0.034203	GRN	ENSG0000030582
17	40020329	40020508	40020418	8	8	1	4.315089119	0.0127267	FZD2	ENSG00000180340
17	40311613	40311847	40311734	8	10	2	3.515998541	0.0136204	EFTUD2	ENSG00000108883
17	40343936	40344312	40344096	10	15	0	15.34253909	2.13E-05	GFAP	ENSG00000131095
17	40479749	40479928	40479881	8	8	0	8.630178238	0.00235436	DCAKD	ENSG00000172992
17	40480152	40480388	40480270	15	16	2	5.433815927	0.000499302	DCAKD	ENSG00000172992
17	40483359	40483689	40483523	11	15	5	2.557089848	0.0169197	DCAKD	ENSG00000172992
17	40560340	40560725	40560546	27	35	1	17.26035648	5.72E-10	PLCD3	ENSG00000161714
17	40568250	40568582	40568426	18	22	7	2.756862493	0.003684	ACBD4	ENSG00000181513
17	40580795	40581244	40581045	12	20	5	3.356180426	0.0017534	HEXIM1	ENSG00000186834
17	40581568	40581765	40581664	11	11	4	2.301380863	0.0459276	HEXIM1	ENSG00000186834
17	40631077	40631328	40631245	8	11	6	1.643843474	0.137712	FMNL1	ENSG00000184922
17	40717274	40717578	40717426	12	16	3	4.075361945	0.00173346	MAP3K14	ENSG00000006062
17	40841963	40842266	40842139	8	11	4	2.301380863	0.0459276	ARHGAP27	ENSG00000185602
17	41285920	41286103	41286062	8	8	1	4.315089119	0.0127267		ENSG00000185294
17	41477514	41477822	41477668	11	13	4	2.684944341	0.01921	KIAA1267	ENSG00000120071
17	42252519	42252698	42252608	8	8	1	4.315089119	0.0127267	WNT3	ENSG00000108379
17	42374789	42375100	42374942	9	12	1	6.232906505	0.00117736	GOSR2	ENSG00000108433
17	42409083	42409328	42409205	8	10	5	1.757999271	0.121253	RPRML	ENSG00000179673
17	42567782	42568319	42567959	21	39	31	1.198635866	0.220022		ENSG00000221016
17	42568479	42569131	42568952	43	82	81	0.970602702	0.575745		ENSG00000221016
17	42569373	42569861	42569560	54	73	67	1.043518284	0.399142		ENSG00000221016
17	42571019	42571207	42571113	9	10	6	1.506856518	0.188853		ENSG00000221016
17	42574093	42574434	42574263	27	28	27	0.993155432	0.509675		ENSG00000221016
17	42576110	42576435	42576272	13	13	14	0.894981447	0.618069		ENSG00000221016

17	42586891	42587220	42587055	11	12	17	0.692545167	0.848017	CDC27	ENSG00000004897
17	42590426	42590810	42590601	22	27	24	1.073977736	0.396082	CDC27	ENSG00000004897
17	42604162	42604502	42604332	22	23	27	0.821921737	0.761135	CDC27	ENSG00000004897
17	42613781	42614116	42613955	15	18	25	0.700740968	0.883987	CDC27	ENSG00000004897
17	42621391	42621721	42621556	19	21	11	1.757999271	0.0516118	CDC27	ENSG00000004897
17	42662221	42662611	42662400	9	16	6	2.328778255	0.0221113	MYL4	ENSG00000198336
17	43242553	43242810	43242688	9	10	6	1.506856518	0.188853	OSBPL7	ENSG00000006025
17	43337502	43337779	43337618	10	12	2	4.155271003	0.0046638	SP2	ENSG00000167182
17	43373718	43374073	43373895	10	15	6	2.191791298	0.0328001	PNPO	ENSG00000108439
17	43403132	43403472	43403302	8	14	7	1.797953799	0.0806593	CDK5RAP3	ENSG00000108465
17	43450762	43450966	43450864	8	9	2	3.19636231	0.0229249		ENSG00000207947
17	44068861	44069120	44069012	8	10	3	2.636998906	0.034203		ENSG00000210741
17	44110895	44111399	44111074	47	58	2	18.85853763	2.68E-15	C17orf92	ENSG00000159182
17	44241505	44241716	44241603	8	9	0	9.589086931	0.00120187	TLL6	ENSG00000170703
17	44464508	44464762	44464635	8	9	3	2.397271733	0.0539397		ENSG00000207346
17	44533627	44533863	44533745	15	16	0	16.30144778	1.09E-05	B4GALNT2	ENSG00000167080
17	44624804	44625331	44624971	12	23	10	2.092164421	0.0165595	GNGT2	ENSG00000167083
17	44747971	44748202	44748058	8	8	6	1.232882605	0.333038	ZNF652	ENSG00000198740
17	44940565	44941045	44940875	20	28	11	2.317362675	0.00474534	NGFR	ENSG00000064300
17	45220761	45221259	45220940	8	17	5	2.876726079	0.00703033	MYST2	ENSG00000136504
17	45319413	45319910	45319691	14	23	2	7.671269544	8.30E-06	TAC4	ENSG00000176358
17	45487763	45488102	45487932	9	13	5	2.237453617	0.038866	ITGA3	ENSG00000005884
17	45494765	45495399	45495029	61	82	6	11.36991736	5.00E-18	ITGA3	ENSG00000005884
17	45580983	45581212	45581077	9	10	3	2.636998906	0.034203	PPP1R9B	ENSG00000108819
17	45584383	45584585	45584484	8	9	4	1.917817386	0.103282	PPP1R9B	ENSG00000108819
17	45594045	45594227	45594148	8	8	4	1.726035648	0.150596	SGCA	ENSG00000108823
17	45749516	45750068	45749746	9	22	6	3.150699991	0.00166398	XYLT2	ENSG00000015532
17	45803932	45804452	45804111	60	80	8	8.630178238	5.75E-16	MRPL27	ENSG00000108826
17	45829049	45829411	45829234	9	14	7	1.797953799	0.0806593	LRRC59	ENSG00000108829
17	45905099	45905299	45905182	8	9	0	9.589086931	0.00120187	CHAD	ENSG00000136457
17	45966753	45967183	45966922	8	15	1	7.671269544	0.000187863	EPN3	ENSG00000049283
17	45972486	45972669	45972606	8	8	3	2.157544559	0.0836802	SPATA20	ENSG00000006282
17	46071615	46071899	46071757	11	14	2	4.794543465	0.00154571	ABCC3	ENSG00000108846
17	46219406	46219802	46219583	28	37	2	12.14617678	1.58E-09	C17orf73	ENSG00000167117

17	46238125	46238495	46238304	26	33	0	32.60289556	1.18E-10	WFIKKN2	ENSG00000173714
17	46336887	46337189	46337046	11	12	8	1.385090334	0.219216	TOB1	ENSG00000141232
17	46381523	46381773	46381648	11	14	1	7.191815198	0.00034761	TOB1	ENSG00000141232
17	46381822	46382428	46382107	36	53	9	5.178106943	7.80E-09	TOB1	ENSG00000141232
17	46386404	46387189	46386794	84	115	5	18.5389014	7.82E-28	TOB1	ENSG00000141232
17	46585501	46586392	46585948	40	88	14	5.689524912	3.81E-14	NME2	ENSG00000011052
17	46676993	46677186	46677089	8	8	1	4.315089119	0.0127267	MBTD1	ENSG00000011258
17	47046294	47046729	47046511	20	32	1	15.82199344	3.96E-09		ENSG00000187504
17	47072727	47072973	47072829	9	12	1	6.232906505	0.00117736		ENSG00000187504
17	47552872	47553176	47553024	12	15	0	15.34253909	2.13E-05	CA10	ENSG00000154975
17	49049126	49049477	49049266	14	18	0	18.21926517	2.83E-06		ENSG00000221534
17	50741213	50741459	50741344	13	14	1	7.191815198	0.00034761		ENSG00000204772
17	50776921	50777224	50777048	10	13	5	2.237453617	0.038866		ENSG00000204772
17	50865485	50865904	50865727	11	17	6	2.465765211	0.014729	MMD	ENSG00000108960
17	51595489	51595756	51595614	8	12	2	4.155271003	0.0046638	ANKFN1	ENSG00000153930
17	51655181	51655401	51655291	10	11	1	5.753452158	0.00215302	ANKFN1	ENSG00000153930
17	51744250	51744443	51744329	8	8	0	8.630178238	0.00235436	ANKFN1	ENSG00000153930
17	51791917	51792355	51792109	33	49	2	15.98181155	8.30E-13	ANKFN1	ENSG00000153930
17	51803877	51804165	51804001	9	10	1	5.273997812	0.00391723	ANKFN1	ENSG00000153930
17	51892074	51892297	51892140	8	9	2	3.19636231	0.0229249	NOG	ENSG00000183691
17	52131469	52131797	52131633	10	15	5	2.557089848	0.0169197	NOG	ENSG00000183691
17	52149560	52150551	52150045	83	135	5	21.73526371	2.44E-33	C17orf67	ENSG00000214226
17	52347185	52347364	52347339	8	8	0	8.630178238	0.00235436	TRIM25	ENSG00000121060
17	52393217	52393593	52393420	13	19	4	3.835634772	0.00108365	COIL	ENSG00000121058
17	52435231	52435590	52435400	13	18	1	9.109632584	2.91E-05	SCPEP1	ENSG00000121064
17	52518523	52518752	52518633	8	9	0	9.589086931	0.00120187	AKAP1	ENSG00000121057
17	52628555	52628927	52628731	25	31	1	15.34253909	7.54E-09		ENSG00000210853
17	52636541	52636720	52636630	8	8	3	2.157544559	0.0836802		ENSG00000210853
17	52675436	52675902	52675615	8	16	3	4.075361945	0.00173346	MSI2	ENSG00000153944
17	52790409	52790676	52790586	12	15	9	1.534253909	0.136498		ENSG00000197862
17	52799017	52799235	52799138	8	9	2	3.19636231	0.0229249		ENSG00000197862
17	52840225	52840556	52840404	10	14	3	3.595907599	0.00486913		ENSG00000197862
17	52956049	52956995	52956487	192	294	4	56.57561289	1.36E-79		ENSG00000210857
17	53004781	53004982	53004887	11	11	1	5.753452158	0.00215302		ENSG00000210857

17	53030271	53030484	53030385	10	11	10	1.046082211	0.455063	ENSG00000210857
17	53055472	53055652	53055562	8	8	2	2.876726079	0.0381137	ENSG00000210857
17	53095205	53095405	53095305	8	9	1	4.794543465	0.00708517	ENSG00000210857
17	53167698	53167889	53167793	8	8	3	2.157544559	0.0836802	ENSG00000166329
17	53180031	53180212	53180061	9	9	4	1.917817386	0.103282	ENSG00000166329
17	53265754	53266152	53265945	9	17	8	1.917817386	0.0474153	MRPS23 ENSG00000181610
17	53282314	53282652	53282479	22	27	11	2.237453617	0.00685906	MRPS23 ENSG00000181610
17	53300409	53300777	53300588	38	45	3	11.02744997	8.54E-11	MRPS23 ENSG00000181610
17	53311507	53311744	53311612	8	12	3	3.116453252	0.0131971	CUEDC1 ENSG00000180891
17	53324861	53325203	53325032	11	15	3	3.835634772	0.00291691	CUEDC1 ENSG00000180891
17	53333536	53334247	53333970	63	95	8	10.22835939	8.59E-20	CUEDC1 ENSG00000180891
17	53377166	53377351	53377258	8	10	0	10.54799562	0.000613541	CUEDC1 ENSG00000180891
17	53427808	53428096	53427958	9	13	3	3.356180426	0.00805599	VEZF1 ENSG00000136451
17	53439761	53440142	53439940	11	18	4	3.643853034	0.00178791	SFRS1 ENSG00000136450
17	53455274	53455720	53455493	12	20	11	1.678090213	0.0696225	SFRS1 ENSG00000136450
17	53472437	53472663	53472553	10	12	0	12.46581301	0.000159888	SFRS1 ENSG00000136450
17	53517024	53517242	53517133	9	10	3	2.636998906	0.034203	DYNLL2 ENSG00000121083
17	53518452	53518663	53518564	8	9	3	2.397271733	0.0539397	DYNLL2 ENSG00000121083
17	53525213	53525722	53525543	16	29	3	7.191815198	1.23E-06	DYNLL2 ENSG00000121083
17	53545266	53545904	53545639	10	25	12	1.917817386	0.0229342	DYNLL2 ENSG00000121083
17	53648185	53648443	53648296	8	10	1	5.273997812	0.00391723	MKS1 ENSG00000011143
17	53678648	53678844	53678746	8	9	4	1.917817386	0.103282	LPO ENSG00000167419
17	53706342	53706521	53706441	8	8	0	8.630178238	0.00235436	MPO ENSG00000005381
17	53784433	53784653	53784555	10	10	6	1.506856518	0.188853	SUPT4H1 ENSG00000213246
17	53821137	53821411	53821274	11	15	8	1.704726565	0.0916153	RNF43 ENSG00000108375
17	53823894	53824151	53824040	9	11	9	1.150690432	0.367789	RNF43 ENSG00000108375
17	53849231	53849438	53849303	8	10	1	5.273997812	0.00391723	RNF43 ENSG00000108375
17	53849871	53850279	53850016	12	20	13	1.43836304	0.140307	RNF43 ENSG00000108375
17	53949590	53949791	53949690	8	8	4	1.726035648	0.150596	MTMR4 ENSG00000108389
17	53950623	53950891	53950757	18	21	7	2.636998906	0.00562102	MTMR4 ENSG00000108389
17	53951072	53951357	53951207	10	14	7	1.797953799	0.0806593	MTMR4 ENSG00000108389
17	53992597	53992847	53992771	8	11	6	1.643843474	0.137712	C17orf47 ENSG00000181013
17	54000136	54000599	54000420	8	17	22	0.750450282	0.822065	C17orf47 ENSG00000181013
17	54002655	54002920	54002796	10	13	9	1.34247217	0.232231	C17orf47 ENSG00000181013

17	54004046	54004308	54004177	10	10	18	0.555157664	0.945639	C17orf47	ENSG00000181013
17	54008033	54008228	54008130	8	9	14	0.639272462	0.869513	C17orf47	ENSG00000181013
17	54009971	54010436	54010222	18	31	14	2.045671879	0.00841532	C17orf47	ENSG00000181013
17	54011192	54011374	54011283	8	8	4	1.726035648	0.150596	C17orf47	ENSG00000181013
17	54011813	54012153	54012028	9	13	18	0.7065643	0.841991	C17orf47	ENSG00000181013
17	54016762	54017234	54016941	9	20	17	1.118726809	0.361026	C17orf47	ENSG00000181013
17	54018971	54019209	54019098	11	13	7	1.678090213	0.11195	C17orf47	ENSG00000181013
17	54019982	54020708	54020309	21	55	30	1.732222155	0.00588325	C17orf47	ENSG00000181013
17	54025644	54025976	54025798	8	13	15	0.839045106	0.685928		ENSG00000212195
17	54027726	54028229	54027842	11	23	21	1.046082211	0.437961		ENSG00000212195
17	54034596	54034991	54034732	9	15	6	2.191791298	0.0328001		ENSG00000212195
17	54043942	54044157	54044055	9	9	25	0.368811036	0.997956		ENSG00000212195
17	54047482	54047707	54047594	8	9	7	1.198635866	0.346278		ENSG00000212195
17	54050087	54050514	54050300	11	20	19	1.006854128	0.490315		ENSG00000212195
17	54052454	54052670	54052562	8	10	5	1.757999271	0.121253		ENSG00000212195
17	54053850	54054036	54053956	8	8	7	1.07877228	0.435076		ENSG00000212195
17	54054788	54055161	54054967	9	18	3	4.554816292	0.000599415		ENSG00000212195
17	54059279	54059683	54059458	14	22	22	0.958908693	0.556268		ENSG00000212195
17	54062684	54063039	54062812	12	17	19	0.863017824	0.676008		ENSG00000212195
17	54063130	54064895	54064484	34	165	195	0.812136954	0.976047		ENSG00000212195
17	54065102	54065354	54065277	8	12	21	0.566627864	0.952667		ENSG00000212195
17	54065414	54065817	54065691	9	17	25	0.663859864	0.912943		ENSG00000212195
17	54066772	54067259	54066894	11	24	27	0.856168476	0.714792		ENSG00000212195
17	54068336	54068614	54068466	9	12	11	1.038817751	0.460341		ENSG00000212195
17	54069502	54069734	54069639	8	10	7	1.318499453	0.269217		ENSG00000212195
17	54069772	54070040	54069906	11	13	18	0.7065643	0.841991		ENSG00000212195
17	54072069	54072402	54072235	25	30	43	0.675594761	0.954874		ENSG00000212195
17	54072561	54073512	54072911	20	56	49	1.09315591	0.321608		ENSG00000212195
17	54074192	54074715	54074366	16	28	29	0.92694507	0.614695		ENSG00000212195
17	54075063	54075713	54075542	14	33	32	0.987966532	0.519197		ENSG00000212195
17	54078542	54078735	54078644	8	9	13	0.684934781	0.824961		ENSG00000202077
17	54078951	54079243	54079102	12	15	19	0.767126954	0.788167		ENSG00000202077
17	54079838	54080073	54079936	8	11	3	2.876726079	0.0213797		ENSG00000202077
17	54080401	54081092	54080859	10	24	31	0.749147416	0.862744		ENSG00000202077

17	54081767	54081952	54081866	8	8	15	0.53938614	0.937867	ENSG00000202077
17	54082948	54083275	54083114	13	17	16	1.015315087	0.480915	ENSG00000202077
17	54083635	54084462	54084050	11	36	35	0.985545046	0.524285	ENSG00000202077
17	54085005	54085297	54085160	8	12	19	0.62329065	0.912804	ENSG00000202077
17	54085589	54086155	54085768	10	22	24	0.882195998	0.668517	ENSG00000202077
17	54088020	54088411	54088262	8	12	12	0.958908693	0.542188	ENSG00000202077
17	54089590	54089866	54089743	10	14	15	0.8989769	0.617119	ENSG00000202077
17	54090916	54092225	54091754	50	145	148	0.939601807	0.703654	ENSG00000202077
17	54092708	54092899	54092844	8	9	13	0.684934781	0.824961	ENSG00000202077
17	54092954	54093220	54093089	8	11	14	0.767126954	0.756447	ENSG00000202077
17	54094776	54095237	54095002	9	17	14	1.150690432	0.340986	ENSG00000202077
17	54096795	54098146	54097682	33	96	46	1.979024324	3.52E-05	ENSG00000199426
17	54098746	54100046	54099105	15	65	51	1.217076418	0.142799	ENSG00000199426
17	54100197	54101476	54100667	21	82	31	2.487169423	1.75E-06	ENSG00000199426
17	54101706	54101940	54101845	8	11	6	1.643843474	0.137712	ENSG00000199426
17	54101993	54102779	54102600	21	46	35	1.251908571	0.152659	ENSG00000199426
17	54103384	54103573	54103549	8	9	12	0.737622072	0.769563	ENSG00000199426
17	54103580	54104088	54103857	14	25	24	0.997265041	0.503149	ENSG00000199426
17	54104445	54104839	54104660	8	15	5	2.557089848	0.0169197	ENSG00000206917
17	54107568	54107902	54107735	12	15	16	0.902502299	0.616352	ENSG00000206917
17	54107928	54108175	54108049	8	10	10	0.958908693	0.538751	ENSG00000206917
17	54108294	54108481	54108436	8	9	7	1.198635866	0.346278	ENSG00000206917
17	54109459	54109723	54109591	11	13	15	0.839045106	0.685928	ENSG00000206917
17	54109874	54110152	54110012	14	16	21	0.740974899	0.826507	ENSG00000206917
17	54111465	54112717	54112032	18	75	94	0.767126954	0.95834	ENSG00000200997
17	54114904	54115230	54115067	12	15	13	1.095895649	0.398774	ENSG00000200997
17	54117136	54117348	54117259	8	9	6	1.369869562	0.253675	ENSG00000200997
17	54117716	54118022	54117869	16	17	14	1.150690432	0.340986	ENSG00000200997
17	54118346	54118525	54118501	8	9	10	0.871735176	0.624623	TEX14 ENSG00000121101
17	54118554	54119169	54118861	11	28	38	0.713034669	0.918418	TEX14 ENSG00000121101
17	54119388	54119575	54119481	9	9	11	0.799090578	0.702688	TEX14 ENSG00000121101
17	54120825	54121301	54121174	9	19	27	0.684934781	0.905224	TEX14 ENSG00000121101
17	54121960	54122149	54122054	9	9	15	0.599317933	0.904407	TEX14 ENSG00000121101
17	54124105	54124394	54124266	9	13	16	0.789689512	0.746135	TEX14 ENSG00000121101

17	54124498	54126541	54125815	312	731	150	4.648484525	1.08E-87	RAD51C	ENSG00000108384
17	54127187	54127605	54127366	16	24	23	0.998863222	0.500802	RAD51C	ENSG00000108384
17	54127751	54127943	54127848	8	8	7	1.07877228	0.435076	RAD51C	ENSG00000108384
17	54128924	54129309	54129135	17	23	21	1.046082211	0.437961	RAD51C	ENSG00000108384
17	54131613	54132309	54131881	12	29	19	1.43836304	0.0995642	RAD51C	ENSG00000108384
17	54135557	54135828	54135705	14	17	12	1.327719729	0.212795	RAD51C	ENSG00000108384
17	54136892	54137213	54137052	14	19	23	0.799090578	0.772621	RAD51C	ENSG00000108384
17	54138717	54139143	54138964	14	23	9	2.301380863	0.00938618	RAD51C	ENSG00000108384
17	54139885	54140249	54140064	8	15	8	1.704726565	0.0916153	RAD51C	ENSG00000108384
17	54140927	54141176	54141050	10	13	11	1.118726809	0.38479	RAD51C	ENSG00000108384
17	54142171	54142558	54142305	10	16	9	1.630144778	0.102169	RAD51C	ENSG00000108384
17	54142927	54143922	54143458	17	48	37	1.236487525	0.160646	RAD51C	ENSG00000108384
17	54144019	54144424	54144221	8	16	6	2.328778255	0.0221113	RAD51C	ENSG00000108384
17	54144702	54145061	54144892	8	13	7	1.678090213	0.11195	RAD51C	ENSG00000108384
17	54147292	54147518	54147451	8	10	8	1.171999514	0.35773	RAD51C	ENSG00000108384
17	54150635	54151051	54150872	8	15	12	1.180195315	0.324974	RAD51C	ENSG00000108384
17	54151852	54152076	54151930	9	10	5	1.757999271	0.121253	RAD51C	ENSG00000108384
17	54154179	54154468	54154323	8	11	8	1.278544924	0.28289	RAD51C	ENSG00000108384
17	54156405	54157101	54156667	13	33	25	1.253957522	0.189413	PPM1E	ENSG00000175175
17	54157161	54157805	54157407	12	28	25	1.069552004	0.40018	PPM1E	ENSG00000175175
17	54159707	54160327	54160181	10	26	11	2.157544559	0.00983179	PPM1E	ENSG00000175175
17	54161262	54161483	54161372	12	12	13	0.890415215	0.619237	PPM1E	ENSG00000175175
17	54163180	54163364	54163280	8	10	4	2.109599125	0.0694668	PPM1E	ENSG00000175175
17	54165022	54165389	54165155	9	15	5	2.557089848	0.0169197	PPM1E	ENSG00000175175
17	54169159	54169410	54169273	11	13	13	0.958908693	0.543805	PPM1E	ENSG00000175175
17	54171088	54171392	54171240	9	12	9	1.246581301	0.295061	PPM1E	ENSG00000175175
17	54171928	54172176	54172060	8	10	1	5.273997812	0.00391723	PPM1E	ENSG00000175175
17	54173249	54174087	54173591	30	58	29	1.885853763	0.00173859	PPM1E	ENSG00000175175
17	54177384	54177602	54177490	10	13	9	1.34247217	0.232231	PPM1E	ENSG00000175175
17	54179325	54179504	54179393	8	8	11	0.71918152	0.777546	PPM1E	ENSG00000175175
17	54184069	54184329	54184194	10	13	9	1.34247217	0.232231	PPM1E	ENSG00000175175
17	54184488	54184722	54184630	8	9	11	0.799090578	0.702688	PPM1E	ENSG00000175175
17	54186102	54186540	54186281	10	19	10	1.743470351	0.0622604	PPM1E	ENSG00000175175
17	54186756	54187033	54186890	10	12	9	1.246581301	0.295061	PPM1E	ENSG00000175175

17	54187571	54187814	54187701	8	11	12	0.885146486	0.620672	PPM1E	ENSG00000175175
17	54187821	54188137	54187979	9	13	17	0.745817872	0.798145	PPM1E	ENSG00000175175
17	54188215	54188668	54188394	8	16	13	1.164389127	0.333296	PPM1E	ENSG00000175175
17	54188708	54188966	54188874	11	12	6	1.78083043	0.0985525	PPM1E	ENSG00000175175
17	54189068	54189555	54189247	15	31	31	0.958908693	0.566385	PPM1E	ENSG00000175175
17	54189645	54189839	54189766	8	10	9	1.054799562	0.4492	PPM1E	ENSG00000175175
17	54190847	54191153	54191011	10	12	10	1.133255728	0.37674	PPM1E	ENSG00000175175
17	54192317	54192546	54192454	10	11	13	0.821921737	0.693119	PPM1E	ENSG00000175175
17	54192825	54193185	54193003	17	23	26	0.852363283	0.716584	PPM1E	ENSG00000175175
17	54193267	54193535	54193401	8	11	18	0.605626543	0.918575	PPM1E	ENSG00000175175
17	54193999	54194202	54194137	10	11	5	1.917817386	0.0843804	PPM1E	ENSG00000175175
17	54195488	54196133	54195866	34	62	33	1.776801402	0.00275133	PPM1E	ENSG00000175175
17	54196640	54197087	54196908	10	18	5	3.036544195	0.0044641	PPM1E	ENSG00000175175
17	54197127	54197440	54197262	10	14	4	2.876726079	0.01219	PPM1E	ENSG00000175175
17	54197727	54197996	54197861	8	11	4	2.301380863	0.0459276	PPM1E	ENSG00000175175
17	54199684	54199920	54199824	11	12	5	2.077635502	0.0577144	PPM1E	ENSG00000175175
17	54211011	54211196	54211126	8	8	7	1.07877228	0.435076	PPM1E	ENSG00000175175
17	54212679	54213224	54212855	8	20	13	1.43836304	0.140307	PPM1E	ENSG00000175175
17	54215551	54216084	54215918	11	20	15	1.25856766	0.240048	PPM1E	ENSG00000175175
17	54217995	54218263	54218129	9	12	11	1.038817751	0.460341	PPM1E	ENSG00000175175
17	54218777	54219045	54218927	9	11	9	1.150690432	0.367789	PPM1E	ENSG00000175175
17	54222956	54223257	54223106	10	15	7	1.917817386	0.0572317	PPM1E	ENSG00000175175
17	54223831	54224201	54224005	11	17	19	0.863017824	0.676008	PPM1E	ENSG00000175175
17	54229602	54230236	54230017	10	23	22	1.000600375	0.498356		ENSG00000210940
17	54243162	54243346	54243254	8	9	1	4.794543465	0.00708517		ENSG00000210940
17	54245533	54245754	54245643	8	11	9	1.150690432	0.367789		ENSG00000210940
17	54246054	54246397	54246225	9	13	15	0.839045106	0.685928		ENSG00000210940
17	54251069	54251318	54251193	14	14	11	1.198635866	0.315918		ENSG00000210940
17	54254303	54254668	54254489	14	21	11	1.757999271	0.0516118		ENSG00000210940
17	54255221	54255435	54255301	11	11	13	0.821921737	0.693119		ENSG00000210940
17	54259293	54259506	54259399	8	10	8	1.171999514	0.35773		ENSG00000210940
17	54261864	54262141	54262040	9	13	12	1.0326709	0.46514		ENSG00000210940
17	54264297	54264490	54264407	8	10	6	1.506856518	0.188853		ENSG00000210940
17	54265490	54265853	54265666	8	13	10	1.220429246	0.306001		ENSG00000210940

17	54272243	54272689	54272399	9	18	16	1.07172148	0.415914	ENSG00000210940
17	54276648	54276986	54276817	9	13	16	0.789689512	0.746135	ENSG00000210940
17	54285624	54285803	54285712	9	9	6	1.369869562	0.253675	ENSG00000210940
17	54286946	54287591	54287283	9	23	20	1.095895649	0.377643	ENSG00000210940
17	54291182	54291511	54291346	10	16	19	0.815072389	0.734271	ENSG00000210940
17	54291584	54292229	54291763	10	23	20	1.095895649	0.377643	ENSG00000210940
17	54293147	54293406	54293318	8	11	4	2.301380863	0.0459276	ENSG00000210940
17	54293440	54293705	54293609	13	16	4	3.260289556	0.00475414	ENSG00000210940
17	54294998	54295182	54295089	8	9	8	1.065454103	0.442605	ENSG00000210940
17	54298183	54299125	54298654	10	34	30	1.082638847	0.37224	ENSG00000210940
17	54299356	54299759	54299604	11	17	7	2.157544559	0.0276499	ENSG00000210940
17	54302615	54302855	54302771	8	11	16	0.676876725	0.854566	ENSG00000210940
17	54302886	54303256	54303077	11	18	21	0.828148417	0.728078	ENSG00000210940
17	54303300	54303683	54303479	10	19	6	2.739739123	0.00632909	ENSG00000210940
17	54304709	54304964	54304813	10	13	10	1.220429246	0.306001	ENSG00000210940
17	54305374	54305773	54305644	9	16	10	1.481949798	0.147733	ENSG00000210940
17	54306092	54306287	54306185	8	10	11	0.878999635	0.622439	ENSG00000210940
17	54309591	54310115	54309936	9	18	15	1.138704073	0.348127	ENSG00000210940
17	54315427	54315632	54315550	8	9	1	4.794543465	0.00708517	ENSG00000210940
17	54316172	54316560	54316387	11	18	15	1.138704073	0.348127	ENSG00000210940
17	54317625	54317821	54317669	8	10	10	0.958908693	0.538751	ENSG00000210940
17	54318419	54318810	54318621	11	20	17	1.118726809	0.361026	ENSG00000210940
17	54318895	54319174	54319033	12	14	11	1.198635866	0.315918	ENSG00000210940
17	54319795	54320128	54320013	9	14	14	0.958908693	0.545362	ENSG00000210940
17	54333565	54333750	54333657	8	9	3	2.397271733	0.0539397	ENSG00000210952
17	54335183	54335437	54335259	8	11	26	0.426181641	0.995195	ENSG00000210952
17	54335481	54335831	54335656	10	15	23	0.639272462	0.921343	ENSG00000210952
17	54342902	54343131	54342984	13	15	13	1.095895649	0.398774	ENSG00000210952
17	54343206	54343713	54343459	8	19	15	1.198635866	0.291044	ENSG00000210952
17	54343887	54344800	54344371	64	106	22	4.461010007	3.88E-14	ENSG00000210952
17	54345755	54346103	54345868	11	15	17	0.852363283	0.680376	ENSG00000210952
17	54346420	54346802	54346693	10	17	23	0.71918152	0.858071	ENSG00000210952
17	54347545	54347863	54347704	8	12	11	1.038817751	0.460341	ENSG00000210952
17	54349580	54350021	54349747	9	18	14	1.214617678	0.282961	ENSG00000210952

17	54359571	54359774	54359728	8	9	8	1.065454103	0.442605	ENSG00000210952
17	54362729	54362963	54362834	8	10	3	2.636998906	0.034203	ENSG00000210952
17	54367408	54367669	54367538	8	13	3	3.356180426	0.00805599	ENSG00000210952
17	54375680	54376471	54376292	12	33	26	1.207514651	0.229506	ENSG00000210952
17	54377498	54377837	54377667	8	13	3	3.356180426	0.00805599	ENSG00000210952
17	54379655	54380513	54380286	12	32	24	1.265759475	0.183795	ENSG00000210961
17	54383132	54383603	54383424	9	17	6	2.465765211	0.014729	ENSG00000210961
17	54385664	54385874	54385721	9	11	9	1.150690432	0.367789	ENSG00000210961
17	54387745	54387983	54387849	10	12	10	1.133255728	0.37674	ENSG00000210961
17	54389202	54389389	54389304	10	10	9	1.054799562	0.4492	ENSG00000210961
17	54389611	54389848	54389729	9	13	7	1.678090213	0.11195	ENSG00000210961
17	54392002	54392708	54392477	52	88	32	2.586147687	3.54E-07	ENSG00000210961
17	54392795	54393022	54392908	8	10	3	2.636998906	0.034203	ENSG00000210961
17	54396289	54396630	54396463	16	18	25	0.700740968	0.883987	ENSG00000210961
17	54397292	54398091	54397912	17	43	41	1.004571012	0.490923	ENSG00000210961
17	54398600	54398822	54398711	8	11	5	1.917817386	0.0843804	ENSG00000210961
17	54400448	54400915	54400738	10	20	19	1.006854128	0.490315	ENSG00000210961
17	54401243	54401549	54401380	19	22	15	1.378431246	0.157106	ENSG00000210961
17	54401599	54402342	54401911	13	38	36	1.010741595	0.48069	ENSG00000210961
17	54402625	54402913	54402757	10	14	11	1.198635866	0.315918	ENSG00000216168
17	54403305	54403883	54403496	12	26	38	0.663859864	0.951552	ENSG00000216168
17	54404235	54404425	54404330	10	10	10	0.958908693	0.538751	ENSG00000216168
17	54404785	54405089	54404937	8	12	16	0.733283118	0.803868	ENSG00000216168
17	54406445	54406826	54406617	12	17	19	0.863017824	0.676008	ENSG00000216168
17	54406890	54407136	54407013	9	12	20	0.593610143	0.935335	ENSG00000216168
17	54407665	54408208	54407830	10	21	42	0.490604448	0.997546	ENSG00000216168
17	54408218	54408454	54408302	8	11	26	0.426181641	0.995195	ENSG00000216168
17	54408702	54409055	54408878	8	14	14	0.958908693	0.545362	ENSG00000216168
17	54410060	54410410	54410235	8	14	11	1.198635866	0.315918	ENSG00000216168
17	54410967	54411876	54411340	10	39	38	0.983496095	0.529003	ENSG00000216168
17	54411890	54412719	54412390	10	37	29	1.214617678	0.210365	ENSG00000216168
17	54412828	54413595	54413416	17	37	30	1.175436462	0.249802	ENSG00000216168
17	54413607	54413821	54413724	9	10	14	0.703199708	0.817173	ENSG00000216168
17	54414429	54414734	54414585	11	15	22	0.667066917	0.897252	ENSG00000216168

17	54414824	54415120	54414970	12	16	15	1.018840486	0.477384	ENSG00000216168
17	54415464	54415711	54415636	9	11	12	0.885146486	0.620672	ENSG00000216168
17	54416234	54416448	54416319	10	12	13	0.890415215	0.619237	ENSG00000216168
17	54417685	54418018	54417858	11	15	29	0.51141797	0.98748	ENSG00000216168
17	54419149	54419430	54419293	9	11	17	0.639272462	0.890352	ENSG00000216168
17	54419509	54419870	54419722	12	16	10	1.481949798	0.147733	ENSG00000216168
17	54420824	54421257	54421078	11	22	14	1.470326663	0.117149	ENSG00000216168
17	54421794	54422167	54421950	9	14	19	0.71918152	0.83643	ENSG00000216168
17	54423832	54424093	54423962	11	14	17	0.799090578	0.74177	ENSG00000216168
17	54425499	54425999	54425834	12	25	26	0.923393556	0.614269	ENSG00000216168
17	54426563	54426807	54426706	8	9	7	1.198635866	0.346278	ENSG00000216168
17	54427788	54428030	54427887	9	12	10	1.133255728	0.37674	ENSG00000216168
17	54429045	54429353	54429199	8	11	11	0.958908693	0.540507	ENSG00000216168
17	54429448	54430814	54430075	11	55	64	0.82613672	0.85351	ENSG00000216168
17	54430981	54431530	54431241	11	26	31	0.80907921	0.792852	ENSG00000216168
17	54433316	54433618	54433477	10	14	10	1.307602763	0.244096	ENSG00000216168
17	54434511	54434711	54434593	8	9	13	0.684934781	0.824961	ENSG00000216168
17	54434781	54435078	54434929	11	15	20	0.730597099	0.831283	ENSG00000216168
17	54435096	54435599	54435420	11	23	13	1.643843474	0.0639146	ENSG00000216168
17	54436172	54436600	54436337	12	20	18	1.05984645	0.425516	ENSG00000216168
17	54436637	54437640	54437238	31	77	60	1.226145542	0.114767	ENSG00000216168
17	54438027	54438397	54438206	8	15	15	0.958908693	0.546868	ENSG00000216168
17	54439419	54440604	54440374	13	56	47	1.138704073	0.252047	ENSG00000216168
17	54440954	54441269	54441111	8	14	8	1.598181155	0.124586	ENSG00000216168
17	54442174	54442560	54442381	8	15	21	0.69738814	0.867465	ENSG00000216168
17	54443457	54443857	54443633	9	16	26	0.603757325	0.952213	ENSG00000216168
17	54444015	54444325	54444170	12	17	23	0.71918152	0.858071	ENSG00000216168
17	54445590	54445887	54445741	8	10	18	0.555157664	0.945639	ENSG00000216168
17	54445980	54447077	54446815	10	42	29	1.374435793	0.0874918	ENSG00000216168
17	54448865	54449059	54449010	9	11	7	1.43836304	0.204844	ENSG00000216168
17	54449440	54449696	54449605	8	11	18	0.605626543	0.918575	ENSG00000216168
17	54451069	54451320	54451142	8	11	17	0.639272462	0.890352	ENSG00000216168
17	54452316	54452832	54452653	11	21	20	1.004571012	0.493124	ENSG00000216168
17	54454470	54454802	54454636	14	18	13	1.301376083	0.22245	ENSG00000216168

17	54456495	54456819	54456657	8	10	13	0.753428259	0.762589	ENSG00000216168
17	54457621	54457850	54457705	10	12	13	0.890415215	0.619237	ENSG00000216168
17	54458187	54458562	54458366	9	15	20	0.730597099	0.831283	ENSG00000216168
17	54459324	54459904	54459725	14	29	26	1.065454103	0.404106	ENSG00000216168
17	54459944	54460256	54460085	9	14	16	0.846095906	0.68298	ENSG00000216168
17	54460422	54460677	54460549	13	15	16	0.902502299	0.616352	ENSG00000216168
17	54461132	54461658	54461479	9	23	20	1.095895649	0.377643	ENSG00000216168
17	54462182	54462394	54462283	9	9	6	1.369869562	0.253675	ENSG00000216168
17	54462402	54463097	54462918	9	26	22	1.125675422	0.336059	ENSG00000216168
17	54463148	54463456	54463302	12	17	8	1.917817386	0.0474153	ENSG00000216168
17	54463488	54463795	54463622	8	11	16	0.676876725	0.854566	ENSG00000216168
17	54463977	54464222	54464098	8	10	6	1.506856518	0.188853	ENSG00000216168
17	54464776	54465102	54464955	13	18	24	0.728770607	0.85379	ENSG00000216168
17	54467890	54468069	54467979	8	8	11	0.71918152	0.777546	ENSG00000216168
17	54468901	54469131	54469016	9	11	4	2.301380863	0.0459276	ENSG00000216168
17	54469283	54469540	54469411	10	11	8	1.278544924	0.28289	ENSG00000216168
17	54470448	54470648	54470561	8	11	9	1.150690432	0.367789	ENSG00000216168
17	54471029	54471377	54471203	11	16	12	1.253957522	0.265012	ENSG00000216168
17	54472401	54472724	54472551	12	15	18	0.807502057	0.737835	ENSG00000216168
17	54475187	54476164	54475335	16	43	41	1.004571012	0.490923	ENSG00000216168
17	54479576	54479822	54479738	8	10	8	1.171999514	0.35773	TRIM37 ENSG00000108395
17	54479827	54480592	54480075	17	42	36	1.1144074	0.312878	TRIM37 ENSG00000108395
17	54481155	54481662	54481483	14	25	17	1.385090334	0.139369	TRIM37 ENSG00000108395
17	54482128	54482611	54482432	9	20	18	1.05984645	0.425516	TRIM37 ENSG00000108395
17	54483957	54484263	54484127	10	14	13	1.027402171	0.469541	TRIM37 ENSG00000108395
17	54484496	54484758	54484620	8	12	14	0.831054201	0.689281	TRIM37 ENSG00000108395
17	54487863	54488045	54487983	8	8	7	1.07877228	0.435076	TRIM37 ENSG00000108395
17	54488280	54488601	54488440	11	14	10	1.307602763	0.244096	TRIM37 ENSG00000108395
17	54489315	54489556	54489431	10	12	4	2.493162602	0.0299057	TRIM37 ENSG00000108395
17	54491092	54491328	54491210	9	11	8	1.278544924	0.28289	TRIM37 ENSG00000108395
17	54492600	54492852	54492737	8	9	13	0.684934781	0.824961	TRIM37 ENSG00000108395
17	54494382	54494626	54494522	9	11	12	0.885146486	0.620672	TRIM37 ENSG00000108395
17	54494633	54495128	54494931	10	23	23	0.958908693	0.557483	TRIM37 ENSG00000108395
17	54495607	54496152	54495984	13	25	12	1.917817386	0.0229342	TRIM37 ENSG00000108395

17	54497941	54498747	54498343	17	41	49	0.805483302	0.85059	TRIM37	ENSG00000108395
17	54499148	54499463	54499305	9	14	14	0.958908693	0.545362	TRIM37	ENSG00000108395
17	54499573	54499868	54499727	9	11	19	0.575345216	0.94039	TRIM37	ENSG00000108395
17	54500209	54500842	54500429	8	22	26	0.816848146	0.76371	TRIM37	ENSG00000108395
17	54502566	54502886	54502726	10	14	25	0.553216554	0.969907	TRIM37	ENSG00000108395
17	54504027	54504451	54504284	8	14	18	0.757033179	0.792932	TRIM37	ENSG00000108395
17	54505633	54505834	54505745	8	8	12	0.663859864	0.833689	TRIM37	ENSG00000108395
17	54506505	54506777	54506701	10	14	13	1.027402171	0.469541	TRIM37	ENSG00000108395
17	54507117	54507505	54507353	8	13	10	1.220429246	0.306001	TRIM37	ENSG00000108395
17	54508042	54508332	54508167	9	13	15	0.839045106	0.685928	TRIM37	ENSG00000108395
17	54508562	54508760	54508636	9	10	5	1.757999271	0.121253	TRIM37	ENSG00000108395
17	54509328	54509765	54509503	9	15	6	2.191791298	0.0328001	TRIM37	ENSG00000108395
17	54511295	54512013	54511834	14	37	28	1.256501046	0.174292	TRIM37	ENSG00000108395
17	54513514	54514010	54513844	11	21	15	1.318499453	0.19542	TRIM37	ENSG00000108395
17	54514456	54514899	54514720	11	20	14	1.34247217	0.186867	TRIM37	ENSG00000108395
17	54515564	54515925	54515772	8	13	6	1.917817386	0.0693353	TRIM37	ENSG00000108395
17	54516247	54516679	54516393	8	15	7	1.917817386	0.0572317	TRIM37	ENSG00000108395
17	54516696	54517133	54516956	8	17	17	0.958908693	0.549739	TRIM37	ENSG00000108395
17	54518799	54519352	54518978	13	26	14	1.726035648	0.0400807	TRIM37	ENSG00000108395
17	54519535	54520296	54519909	11	34	35	0.93227234	0.616206	TRIM37	ENSG00000108395
17	54520376	54520824	54520554	12	19	19	0.958908693	0.552451	TRIM37	ENSG00000108395
17	54521871	54522299	54522179	11	18	27	0.650688042	0.929412	TRIM37	ENSG00000108395
17	54522921	54523158	54523059	13	13	4	2.684944341	0.01921	TRIM37	ENSG00000108395
17	54523280	54523517	54523396	10	13	13	0.958908693	0.543805	TRIM37	ENSG00000108395
17	54523831	54524020	54523925	8	8	7	1.07877228	0.435076	TRIM37	ENSG00000108395
17	54525318	54525973	54525551	16	36	42	0.82510748	0.805558	TRIM37	ENSG00000108395
17	54526290	54527191	54526769	15	46	44	1.001526857	0.496486	TRIM37	ENSG00000108395
17	54527264	54527948	54527485	14	33	27	1.164389127	0.273121	TRIM37	ENSG00000108395
17	54529082	54529322	54529202	10	14	14	0.958908693	0.545362	TRIM37	ENSG00000108395
17	54531702	54531943	54531822	13	14	9	1.43836304	0.179537	TRIM37	ENSG00000108395
17	54532174	54532376	54532286	9	10	14	0.703199708	0.817173	TRIM37	ENSG00000108395
17	54532619	54532981	54532795	8	14	16	0.846095906	0.68298	TRIM37	ENSG00000108395
17	54533265	54533501	54533383	9	13	14	0.894981447	0.618069	TRIM37	ENSG00000108395
17	54534208	54535118	54534534	15	43	35	1.171999514	0.23792	TRIM37	ENSG00000108395

17	54535970	54537072	54536800	12	47	45	1.000600375	0.498258	TRIM37	ENSG00000108395
17	54537107	54540092	54538240	39	271	180	1.441011959	5.92E-05	TRIM37	ENSG00000108395
17	54540376	54540644	54540470	8	11	15	0.71918152	0.81018	TRIM37	ENSG00000108395
17	54543247	54543563	54543384	14	17	14	1.150690432	0.340986	TRIM37	ENSG00000108395
17	54544204	54544439	54544321	8	11	6	1.643843474	0.137712	TRIM37	ENSG00000108395
17	54544459	54544912	54544672	12	21	12	1.622768557	0.076896	TRIM37	ENSG00000108395
17	54546729	54547087	54546908	13	19	19	0.958908693	0.552451	TRIM37	ENSG00000108395
17	54547502	54547843	54547672	12	17	14	1.150690432	0.340986	TRIM37	ENSG00000108395
17	54549202	54549442	54549286	11	12	5	2.077635502	0.0577144	TRIM37	ENSG00000108395
17	54551037	54551314	54551242	9	13	23	0.559363404	0.962306	TRIM37	ENSG00000108395
17	54587166	54587601	54587440	9	17	13	1.232882605	0.274309	FAM33A	ENSG00000182628
17	54588299	54588594	54588437	8	9	6	1.369869562	0.253675	PRR11	ENSG00000068489
17	54641956	54642439	54642083	20	29	10	2.615205527	0.00170492	C17orf71	ENSG00000167447
17	54652296	54652523	54652388	10	11	6	1.643843474	0.137712	GDPD1	ENSG00000153982
17	54652720	54653053	54652886	9	14	8	1.598181155	0.124586	GDPD1	ENSG00000153982
17	54729037	54729308	54729175	8	11	7	1.43836304	0.204844	YPEL2	ENSG00000175155
17	54743025	54743463	54743284	12	19	14	1.278544924	0.231514	YPEL2	ENSG00000175155
17	54761575	54761905	54761735	9	13	3	3.356180426	0.00805599	YPEL2	ENSG00000175155
17	54838917	54839325	54839096	9	17	12	1.327719729	0.212795	YPEL2	ENSG00000175155
17	54839327	54839551	54839414	10	10	3	2.636998906	0.034203	YPEL2	ENSG00000175155
17	54850936	54851184	54851063	14	16	8	1.811271976	0.0663685	YPEL2	ENSG00000175155
17	54873021	54873342	54873169	10	14	6	2.054804342	0.0480281		ENSG00000200889
17	54924289	54924515	54924404	12	14	0	14.3836304	4.17E-05		ENSG00000200889
17	54928426	54928607	54928467	8	9	2	3.19636231	0.0229249		ENSG00000200889
17	54997438	54997763	54997600	8	13	4	2.684944341	0.01921	DHX40	ENSG00000108406
17	55051203	55051561	55051372	9	14	4	2.876726079	0.01219	CLTC	ENSG00000141367
17	55051682	55052220	55051951	11	22	12	1.696530765	0.057768	CLTC	ENSG00000141367
17	55139313	55139800	55139632	26	35	13	2.465765211	0.00114722	PTRH2	ENSG00000141378
17	55218672	55219009	55218837	12	16	5	2.716907964	0.0109645		ENSG00000199004
17	55261631	55261935	55261785	10	14	19	0.71918152	0.83643		ENSG00000199004
17	55262130	55262664	55262387	9	22	22	0.958908693	0.556268		ENSG00000199004
17	55262673	55263174	55262995	13	24	22	1.042292058	0.441692		ENSG00000199004
17	55263395	55263751	55263572	16	19	23	0.799090578	0.772621		ENSG00000199004
17	55263942	55264374	55264121	11	20	24	0.805483302	0.769433		ENSG00000199004

17	55264995	55265513	55265292	13	30	24	1.189046779	0.257047	ENSG00000199004
17	55268079	55268365	55268218	14	16	18	0.857970936	0.678066	ENSG00000199004
17	55268494	55268934	55268794	11	17	17	0.958908693	0.549739	ENSG00000199004
17	55269330	55271259	55269652	121	357	149	2.288595414	2.58E-19	ENSG00000199004
17	55271314	55272852	55272089	26	94	95	0.948920061	0.641351	ENSG00000199004
17	55273034	55273445	55273168	8	15	23	0.639272462	0.921343	ENSG00000199004
17	55275191	55275948	55275493	68	104	33	2.96133567	1.36E-09	ENSG00000199004
17	55276125	55276329	55276203	8	9	3	2.397271733	0.0539397	ENSG00000199004
17	55276751	55277565	55277206	11	33	36	0.88115934	0.703441	ENSG00000201524
17	55277604	55279413	55277872	73	324	182	1.702979919	2.07E-09	ENSG00000201524
17	55279683	55280338	55279977	27	50	58	0.828887175	0.837804	ENSG00000201524
17	55280570	55280958	55280822	12	19	24	0.767126954	0.814057	ENSG00000201524
17	55281191	55281525	55281358	10	16	9	1.630144778	0.102169	ENSG00000201524
17	55281890	55282216	55282053	8	13	26	0.497211915	0.986172	ENSG00000201524
17	55283737	55284342	55283932	12	27	59	0.447490723	0.999875	ENSG00000201524
17	55284451	55284744	55284593	12	14	16	0.846095906	0.68298	ENSG00000201524
17	55285230	55285953	55285559	53	103	30	3.216984003	2.17E-10	ENSG00000201524
17	55286544	55286745	55286673	8	8	5	1.43836304	0.235762	ENSG00000201524
17	55287563	55288220	55287915	17	35	16	2.030630174	0.00601995	ENSG00000201524
17	55288380	55288588	55288484	8	9	9	0.958908693	0.536911	ENSG00000201524
17	55288858	55289893	55289659	29	85	93	0.877299443	0.810249	ENSG00000201524
17	55290334	55290864	55290685	12	25	35	0.692545167	0.925864	ENSG00000201524
17	55290954	55291190	55291110	11	12	13	0.890415215	0.619237	ENSG00000201524
17	55291370	55292643	55291875	26	92	63	1.393414195	0.0194253	ENSG00000201524
17	55295426	55295614	55295481	8	8	6	1.232882605	0.333038	ENSG00000201524
17	55295770	55295967	55295840	8	9	11	0.799090578	0.702688	ENSG00000201524
17	55298696	55298921	55298835	14	14	19	0.71918152	0.83643	ENSG00000201524
17	55299535	55299735	55299635	9	10	17	0.585999757	0.924668	ENSG00000201524
17	55299905	55300109	55299998	10	11	10	1.046082211	0.455063	ENSG00000201524
17	55300373	55300565	55300466	10	10	6	1.506856518	0.188853	ENSG00000201524
17	55301027	55301258	55301179	9	10	5	1.757999271	0.121253	ENSG00000201524
17	55301371	55302226	55301762	18	45	25	1.696530765	0.0135281	ENSG00000201524
17	55302308	55303428	55302793	22	76	42	1.717115567	0.00181444	TUBD1 ENSG00000108423
17	55303762	55303985	55303869	10	12	14	0.831054201	0.689281	TUBD1 ENSG00000108423

17	55306558	55306856	55306725	12	16	20	0.776259418	0.783794	TUBD1	ENSG00000108423
17	55306979	55307248	55307113	10	12	7	1.558226626	0.152813	TUBD1	ENSG00000108423
17	55307813	55308008	55307891	8	9	7	1.198635866	0.346278	TUBD1	ENSG00000108423
17	55309323	55309745	55309517	13	21	13	1.506856518	0.109266	TUBD1	ENSG00000108423
17	55310030	55310573	55310333	9	19	33	0.564063937	0.981419	TUBD1	ENSG00000108423
17	55311474	55311904	55311566	10	18	11	1.518272097	0.122037	TUBD1	ENSG00000108423
17	55312933	55313304	55313204	11	16	18	0.857970936	0.678066	TUBD1	ENSG00000108423
17	55316993	55317425	55317172	10	18	18	0.958908693	0.551113	TUBD1	ENSG00000108423
17	55317724	55318011	55317896	16	19	23	0.799090578	0.772621	TUBD1	ENSG00000108423
17	55319532	55319826	55319711	11	14	21	0.653801382	0.90216	TUBD1	ENSG00000108423
17	55320338	55320981	55320814	12	28	16	1.635785418	0.0488966	TUBD1	ENSG00000108423
17	55322782	55323290	55322992	25	44	25	1.659649661	0.0175382	TUBD1	ENSG00000108423
17	55324143	55326470	55325151	40	230	189	1.165831095	0.0579742	TUBD1	ENSG00000108423
17	55326520	55326792	55326656	13	17	16	1.015315087	0.480915	RPS6KB1	ENSG00000108443
17	55328523	55328932	55328727	16	25	16	1.466566236	0.10473	RPS6KB1	ENSG00000108443
17	55329094	55329475	55329317	13	19	19	0.958908693	0.552451	RPS6KB1	ENSG00000108443
17	55330077	55330263	55330188	8	8	10	0.784561658	0.708731	RPS6KB1	ENSG00000108443
17	55330880	55331073	55330949	8	8	13	0.616441303	0.878084	RPS6KB1	ENSG00000108443
17	55331332	55332382	55332203	10	42	41	0.981739852	0.533409	RPS6KB1	ENSG00000108443
17	55333844	55334032	55333982	8	10	14	0.703199708	0.817173	RPS6KB1	ENSG00000108443
17	55339561	55339815	55339688	8	9	20	0.456623187	0.983844	RPS6KB1	ENSG00000108443
17	55339857	55340379	55340161	11	22	17	1.225272219	0.255726	RPS6KB1	ENSG00000108443
17	55342696	55342900	55342811	8	9	10	0.871735176	0.624623	RPS6KB1	ENSG00000108443
17	55343028	55343282	55343162	9	13	6	1.917817386	0.0693353	RPS6KB1	ENSG00000108443
17	55344894	55345276	55345097	9	17	18	0.908439814	0.615249	RPS6KB1	ENSG00000108443
17	55345300	55345851	55345479	10	23	22	1.000600375	0.498356	RPS6KB1	ENSG00000108443
17	55346129	55346332	55346230	9	10	3	2.636998906	0.034203	RPS6KB1	ENSG00000108443
17	55346473	55346848	55346651	14	21	24	0.84383965	0.72062	RPS6KB1	ENSG00000108443
17	55348420	55348644	55348532	9	12	12	0.958908693	0.542188	RPS6KB1	ENSG00000108443
17	55348665	55349140	55348844	18	27	24	1.073977736	0.396082	RPS6KB1	ENSG00000108443
17	55351281	55351504	55351356	14	14	5	2.397271733	0.0258078	RPS6KB1	ENSG00000108443
17	55351596	55352284	55351797	16	34	19	1.678090213	0.0288712	RPS6KB1	ENSG00000108443
17	55353235	55353534	55353384	9	12	11	1.038817751	0.460341	RPS6KB1	ENSG00000108443
17	55379836	55380106	55379961	13	14	6	2.054804342	0.0480281	RNFT1	ENSG00000189050

17	55383484	55383802	55383652	9	13	13	0.958908693	0.543805	RNFT1	ENSG00000189050
17	55383934	55384171	55384067	9	11	16	0.676876725	0.854566	RNFT1	ENSG00000189050
17	55384192	55384465	55384334	8	12	4	2.493162602	0.0299057	RNFT1	ENSG00000189050
17	55387713	55388038	55387868	8	13	21	0.610214623	0.930478	RNFT1	ENSG00000189050
17	55389330	55389569	55389425	11	11	16	0.676876725	0.854566	RNFT1	ENSG00000189050
17	55391357	55391589	55391518	11	11	7	1.43836304	0.204844	RNFT1	ENSG00000189050
17	55394282	55394558	55394420	12	14	7	1.797953799	0.0806593	RNFT1	ENSG00000189050
17	55394963	55395458	55395280	14	24	26	0.887878419	0.666463	RNFT1	ENSG00000189050
17	55395612	55397490	55397088	44	144	101	1.363154515	0.00777595	RNFT1	ENSG00000189050
17	55400508	55400918	55400687	12	19	14	1.278544924	0.231514	RNFT1	ENSG00000189050
17	55401486	55401863	55401702	8	15	6	2.191791298	0.0328001	RNFT1	ENSG00000189050
17	55403414	55403767	55403590	9	14	8	1.598181155	0.124586	RNFT1	ENSG00000189050
17	55404042	55404342	55404183	11	13	10	1.220429246	0.306001	RNFT1	ENSG00000189050
17	55405042	55405380	55405211	8	12	20	0.593610143	0.935335	RNFT1	ENSG00000189050
17	55406471	55406859	55406680	11	19	15	1.198635866	0.291044	RNFT1	ENSG00000189050
17	55468237	55468693	55468416	10	19	11	1.598181155	0.0927758		ENSG00000204471
17	55469016	55470219	55469434	55	161	70	2.187932511	4.79E-09		ENSG00000204471
17	55470229	55470466	55470361	10	13	14	0.894981447	0.618069		ENSG00000204471
17	55470665	55470917	55470830	9	11	14	0.767126954	0.756447		ENSG00000204471
17	55471183	55472109	55471847	18	61	47	1.238590395	0.130806		ENSG00000204471
17	55472203	55472606	55472382	14	26	27	0.924661954	0.614379		ENSG00000204471
17	55473001	55473458	55473144	13	23	23	0.958908693	0.557483		ENSG00000204471
17	55473508	55473744	55473626	8	10	16	0.620470331	0.897128		ENSG00000204471
17	55473780	55474009	55473898	11	13	19	0.671236085	0.87814		ENSG00000204471
17	55476355	55476662	55476488	13	18	18	0.958908693	0.551113		ENSG00000204471
17	55477350	55477789	55477610	10	20	14	1.34247217	0.186867		ENSG00000204471
17	55478014	55478323	55478149	9	12	19	0.62329065	0.912804		ENSG00000204471
17	55478337	55478746	55478516	10	20	20	0.958908693	0.553754		ENSG00000204471
17	55478779	55479195	55479055	11	19	9	1.917817386	0.0394029		ENSG00000204471
17	55479817	55480130	55479988	14	17	10	1.569123316	0.112309		ENSG00000204471
17	55480264	55480630	55480414	9	14	13	1.027402171	0.469541		ENSG00000204471
17	55480690	55481035	55480862	13	18	19	0.910963258	0.614871		ENSG00000204471
17	55481603	55482509	55481794	14	39	41	0.913246374	0.659608	HEATR6	ENSG00000068097
17	55482675	55483434	55483015	11	36	25	1.364600832	0.108713	HEATR6	ENSG00000068097

17	55483824	55484608	55484019	12	38	25	1.43836304	0.0720575	HEATR6	ENSG00000068097
17	55486855	55487154	55487020	13	14	11	1.198635866	0.315918	HEATR6	ENSG00000068097
17	55487232	55487495	55487367	15	17	8	1.917817386	0.0474153	HEATR6	ENSG00000068097
17	55487724	55487999	55487852	9	12	7	1.558226626	0.152813	HEATR6	ENSG00000068097
17	55488527	55488776	55488676	9	10	20	0.502285506	0.972812	HEATR6	ENSG00000068097
17	55489242	55489517	55489379	12	15	20	0.730597099	0.831283	HEATR6	ENSG00000068097
17	55489832	55490066	55489992	9	10	8	1.171999514	0.35773	HEATR6	ENSG00000068097
17	55490415	55490859	55490800	8	16	28	0.562118889	0.973627	HEATR6	ENSG00000068097
17	55492093	55492333	55492228	12	13	20	0.639272462	0.907338	HEATR6	ENSG00000068097
17	55492350	55493342	55492694	8	34	20	1.598181155	0.0409436	HEATR6	ENSG00000068097
17	55493369	55494087	55493703	11	33	30	1.051706309	0.418347	HEATR6	ENSG00000068097
17	55494369	55494785	55494706	10	19	25	0.737622072	0.849755	HEATR6	ENSG00000068097
17	55496964	55497813	55497676	9	29	27	1.027402171	0.457998	HEATR6	ENSG00000068097
17	55497954	55498417	55498218	17	30	23	1.238590395	0.2125	HEATR6	ENSG00000068097
17	55499436	55499702	55499569	8	12	12	0.958908693	0.542188	HEATR6	ENSG00000068097
17	55500054	55500664	55500233	13	29	25	1.106433107	0.351025	HEATR6	ENSG00000068097
17	55500764	55501190	55500982	10	19	17	1.065454103	0.420867	HEATR6	ENSG00000068097
17	55502250	55502432	55502341	8	9	20	0.456623187	0.983844	HEATR6	ENSG00000068097
17	55502696	55502925	55502804	11	11	12	0.885146486	0.620672	HEATR6	ENSG00000068097
17	55504269	55504598	55504433	8	13	8	1.491635745	0.166708	HEATR6	ENSG00000068097
17	55504753	55505014	55504894	12	12	15	0.779113313	0.750998	HEATR6	ENSG00000068097
17	55505119	55505472	55505297	19	23	19	1.150690432	0.318834	HEATR6	ENSG00000068097
17	55505796	55506183	55505975	10	18	34	0.520550433	0.990954	HEATR6	ENSG00000068097
17	55506195	55506925	55506592	12	34	40	0.818580592	0.809111	HEATR6	ENSG00000068097
17	55507251	55507738	55507430	8	18	15	1.138704073	0.348127	HEATR6	ENSG00000068097
17	55508331	55508657	55508485	8	12	14	0.831054201	0.689281	HEATR6	ENSG00000068097
17	55509099	55509544	55509365	13	24	31	0.749147416	0.862744	HEATR6	ENSG00000068097
17	55509734	55511359	55510594	34	127	79	1.534253909	0.00114649	HEATR6	ENSG00000068097
17	55511467	55512330	55511696	31	80	59	1.294526736	0.0631362	HEATR6	ENSG00000068097
17	55512549	55513403	55512714	16	48	45	1.021446217	0.458084	HEATR6	ENSG00000068097
17	55514018	55514592	55514366	13	30	24	1.189046779	0.257047	HEATR6	ENSG00000068097
17	55514810	55515041	55514930	10	10	6	1.506856518	0.188853	HEATR6	ENSG00000068097
17	55515285	55515979	55515514	20	39	27	1.369869562	0.0974407	HEATR6	ENSG00000068097
17	55517251	55517544	55517408	14	16	20	0.776259418	0.783794	HEATR6	ENSG00000068097

17	55517800	55518005	55517904	11	12	21	0.566627864	0.952667	HEATR6	ENSG00000068097
17	55518016	55518340	55518178	8	14	26	0.532727052	0.97821	HEATR6	ENSG00000068097
17	55519083	55519867	55519466	12	38	38	0.958908693	0.573263	HEATR6	ENSG00000068097
17	55520035	55520727	55520548	9	28	28	0.958908693	0.563199	HEATR6	ENSG00000068097
17	55521335	55521634	55521500	13	15	12	1.180195315	0.324974	HEATR6	ENSG00000068097
17	55521707	55522398	55522237	12	29	41	0.684934781	0.945518	HEATR6	ENSG00000068097
17	55522564	55522851	55522707	10	14	20	0.684934781	0.872628	HEATR6	ENSG00000068097
17	55523046	55523477	55523281	8	17	24	0.690414259	0.888181	HEATR6	ENSG00000068097
17	55524085	55524482	55524310	16	21	21	0.958908693	0.555026	HEATR6	ENSG00000068097
17	55525998	55526372	55526244	10	17	14	1.150690432	0.340986	HEATR6	ENSG00000068097
17	55526574	55526982	55526793	10	19	10	1.743470351	0.0622604	HEATR6	ENSG00000068097
17	55527276	55527574	55527425	10	16	15	1.018840486	0.477384	HEATR6	ENSG00000068097
17	55527776	55528066	55527912	16	18	24	0.728770607	0.85379	HEATR6	ENSG00000068097
17	55534304	55534508	55534347	8	8	1	4.315089119	0.0127267	HEATR6	ENSG00000068097
17	55538574	55538971	55538745	9	15	18	0.807502057	0.737835	HEATR6	ENSG00000068097
17	55540158	55540660	55540486	11	20	25	0.774503175	0.810437	HEATR6	ENSG00000068097
17	55540697	55540899	55540798	9	10	19	0.527399781	0.961307	HEATR6	ENSG00000068097
17	55540913	55541284	55541092	11	17	9	1.726035648	0.0753664	HEATR6	ENSG00000068097
17	55541373	55541640	55541512	8	11	8	1.278544924	0.28289	HEATR6	ENSG00000068097
17	55559449	55560220	55559834	12	32	20	1.506856518	0.066798	CA4	ENSG00000167434
17	55560659	55561263	55560782	9	24	32	0.72644598	0.88851	CA4	ENSG00000167434
17	55561313	55561539	55561381	8	11	10	1.046082211	0.455063	CA4	ENSG00000167434
17	55563958	55564382	55564225	13	21	25	0.811384279	0.76647	CA4	ENSG00000167434
17	55564463	55564997	55564641	15	29	27	1.027402171	0.457998	CA4	ENSG00000167434
17	55565425	55565820	55565565	10	17	15	1.07877228	0.410615	CA4	ENSG00000167434
17	55566769	55567572	55566921	13	37	50	0.714480987	0.94341	CA4	ENSG00000167434
17	55567578	55568215	55567990	15	33	53	0.603757325	0.990542	CA4	ENSG00000167434
17	55568855	55569176	55569015	9	13	16	0.789689512	0.746135	CA4	ENSG00000167434
17	55570692	55570924	55570777	9	11	9	1.150690432	0.367789	CA4	ENSG00000167434
17	55571656	55572691	55572217	25	70	48	1.389439127	0.0365259	CA4	ENSG00000167434
17	55573263	55573570	55573416	8	11	10	1.046082211	0.455063	CA4	ENSG00000167434
17	55573708	55574136	55573887	14	22	12	1.696530765	0.057768	CA4	ENSG00000167434
17	55574434	55575775	55575175	42	114	102	1.070626211	0.306703	CA4	ENSG00000167434
17	55577315	55577570	55577435	11	13	22	0.583683552	0.948499	CA4	ENSG00000167434

17	55577664	55578296	55577842	10	24	26	0.887878419	0.666463	CA4	ENSG00000167434
17	55578944	55579860	55579123	20	49	55	0.856168476	0.78834	CA4	ENSG00000167434
17	55579913	55581052	55580092	21	58	59	0.942926882	0.625655	CA4	ENSG00000167434
17	55581446	55581685	55581517	10	12	16	0.733283118	0.803868	CA4	ENSG00000167434
17	55582715	55584128	55583347	12	65	74	0.84383965	0.843526	CA4	ENSG00000167434
17	55584392	55585050	55584761	14	32	25	1.217076418	0.224024	CA4	ENSG00000167434
17	55585617	55585942	55585779	14	17	13	1.232882605	0.274309	CA4	ENSG00000167434
17	55586463	55586656	55586609	12	13	5	2.237453617	0.038866	CA4	ENSG00000167434
17	55586665	55587122	55586859	14	23	25	0.885146486	0.667437	CA4	ENSG00000167434
17	55587389	55587729	55587559	9	15	26	0.568242188	0.9671	CA4	ENSG00000167434
17	55588385	55588564	55588474	8	8	5	1.43836304	0.235762		ENSG00000221779
17	55589712	55589958	55589835	11	12	7	1.558226626	0.152813		ENSG00000221779
17	55593051	55593619	55593387	14	27	24	1.073977736	0.396082		ENSG00000221779
17	55593787	55594445	55593966	16	32	31	0.98887459	0.517406		ENSG00000221779
17	55594449	55594739	55594614	8	12	15	0.779113313	0.750998		ENSG00000221779
17	55595183	55595960	55595724	12	35	34	0.986306084	0.522633		ENSG00000221779
17	55596770	55597320	55597158	8	19	26	0.710302736	0.88		ENSG00000221779
17	55597775	55598323	55598005	10	25	23	1.038817751	0.445246		ENSG00000221779
17	55599194	55599395	55599294	8	10	12	0.811384279	0.697544		ENSG00000221779
17	55599931	55600111	55600001	8	8	11	0.71918152	0.777546		ENSG00000221779
17	55602636	55602909	55602773	13	13	21	0.610214623	0.930478		ENSG00000221779
17	55603204	55604105	55603866	10	38	45	0.812987805	0.830514		ENSG00000221779
17	55604261	55604625	55604446	15	21	20	1.004571012	0.493124		ENSG00000221779
17	55606366	55606645	55606525	8	12	7	1.558226626	0.152813		ENSG00000221779
17	55606839	55607124	55606981	12	16	10	1.481949798	0.147733		ENSG00000221779
17	55608559	55608768	55608626	8	10	5	1.757999271	0.121253		ENSG00000221779
17	55617224	55617559	55617391	9	12	9	1.246581301	0.295061		ENSG00000221779
17	55620959	55621417	55621226	8	18	14	1.214617678	0.282961		ENSG00000221779
17	55630668	55630969	55630797	9	13	13	0.958908693	0.543805		ENSG00000222433
17	55631063	55631332	55631194	9	9	8	1.065454103	0.442605		ENSG00000222433
17	55653236	55653469	55653400	8	10	5	1.757999271	0.121253		ENSG00000222433
17	55654125	55654434	55654267	10	14	25	0.553216554	0.969907		ENSG00000222433
17	55654459	55654803	55654631	8	13	27	0.479454347	0.9903		ENSG00000222433
17	55655820	55656481	55656280	12	33	21	1.481949798	0.0712625		ENSG00000222433

17	55657003	55657214	55657108	8	8	8	0.958908693	0.534974	ENSG00000222433
17	55658169	55658422	55658276	10	12	10	1.133255728	0.37674	ENSG00000222433
17	55660468	55660774	55660621	9	14	13	1.027402171	0.469541	ENSG00000211027
17	55661150	55662038	55661653	20	56	40	1.333116964	0.077771	ENSG00000211027
17	55662611	55663102	55662954	11	22	23	0.918954164	0.614181	ENSG00000221009
17	55663359	55663859	55663633	16	31	44	0.681890626	0.95316	ENSG00000221009
17	55664021	55664233	55664127	8	10	12	0.811384279	0.697544	ENSG00000221009
17	55665207	55665441	55665338	8	10	3	2.636998906	0.034203	ENSG00000221009
17	55667817	55668105	55667961	9	12	10	1.133255728	0.37674	ENSG00000221009
17	55668722	55668929	55668825	8	8	8	0.958908693	0.534974	ENSG00000221009
17	55669424	55669690	55669567	12	14	3	3.595907599	0.00486913	ENSG00000221009
17	55670944	55671594	55671306	13	29	17	1.598181155	0.0533584	ENSG00000221009
17	55671603	55671840	55671721	8	10	11	0.878999635	0.622439	ENSG00000221009
17	55672283	55672644	55672465	9	16	19	0.815072389	0.734271	ENSG00000221009
17	55672782	55673087	55672908	10	14	12	1.106433107	0.392094	ENSG00000221009
17	55673556	55674025	55673891	10	20	21	0.915321934	0.614384	ENSG00000221009
17	55674882	55675094	55675026	8	9	8	1.065454103	0.442605	ENSG00000221009
17	55675461	55675732	55675553	9	12	17	0.692545167	0.848017	ENSG00000221009
17	55677387	55677664	55677518	9	11	7	1.43836304	0.204844	ENSG00000221009
17	55677715	55677957	55677836	11	13	24	0.536988868	0.972726	ENSG00000221009
17	55680480	55680713	55680597	13	14	14	0.958908693	0.545362	ENSG00000221009
17	55681371	55682104	55681703	13	36	32	1.07514005	0.379706	ENSG00000221009
17	55682803	55682988	55682895	9	9	11	0.799090578	0.702688	ENSG00000221009
17	55684653	55685196	55684832	14	24	15	1.498294833	0.0979832	ENSG00000221009
17	55686204	55686630	55686460	10	17	15	1.07877228	0.410615	ENSG00000221009
17	55689087	55689557	55689334	10	20	23	0.839045106	0.722898	ENSG00000212648
17	55689596	55689833	55689734	8	10	15	0.659249726	0.861705	ENSG00000212648
17	55690112	55690308	55690227	8	9	22	0.416916823	0.992721	ENSG00000212648
17	55691470	55691819	55691644	19	24	17	1.331817629	0.172585	ENSG00000212648
17	55692932	55693267	55693099	11	17	18	0.908439814	0.615249	ENSG00000212648
17	55694766	55694968	55694932	8	10	14	0.703199708	0.817173	ENSG00000212648
17	55695583	55695918	55695750	11	15	18	0.807502057	0.737835	ENSG00000212648
17	55697178	55697898	55697719	12	31	24	1.227403127	0.218358	ENSG00000212648
17	55701467	55701755	55701595	9	12	17	0.692545167	0.848017	ENSG00000212648

17	55703074	55703706	55703533	12	26	24	1.035621389	0.448641	ENSG00000212648
17	55704518	55704711	55704561	8	10	9	1.054799562	0.4492	ENSG00000212648
17	55704756	55705100	55704928	11	17	11	1.43836304	0.15834	ENSG00000212648
17	55705103	55705497	55705411	8	13	10	1.220429246	0.306001	ENSG00000212648
17	55705597	55705841	55705719	12	14	9	1.43836304	0.179537	ENSG00000212648
17	55706779	55707323	55707091	12	21	18	1.110315329	0.366889	ENSG00000212648
17	55710287	55710613	55710450	8	14	7	1.797953799	0.0806593	ENSG00000212648
17	55710844	55711160	55711002	10	15	20	0.730597099	0.831283	ENSG00000212648
17	55711302	55711494	55711398	8	9	8	1.065454103	0.442605	ENSG00000212648
17	55712450	55712994	55712855	8	19	14	1.278544924	0.231514	ENSG00000212648
17	55713819	55714095	55713957	8	11	16	0.676876725	0.854566	ENSG00000212648
17	55716716	55717313	55717014	11	26	28	0.892777059	0.664792	ENSG00000212648
17	55717434	55717809	55717683	10	15	10	1.394776281	0.191426	ENSG00000212648
17	55718445	55719029	55718712	10	22	21	1.002495452	0.4958	ENSG00000212648
17	55719380	55719943	55719764	17	32	36	0.855242888	0.744072	ENSG00000212648
17	55720607	55721104	55720898	8	17	16	1.015315087	0.480915	ENSG00000212648
17	55721417	55722194	55721960	10	31	23	1.278544924	0.178011	ENSG00000212648
17	55723742	55723982	55723862	8	10	11	0.878999635	0.622439	ENSG00000212648
17	55724363	55724552	55724439	8	9	22	0.416916823	0.992721	ENSG00000212648
17	55724659	55724949	55724829	9	13	16	0.789689512	0.746135	ENSG00000212648
17	55725532	55726057	55725711	12	25	35	0.692545167	0.925864	ENSG00000212648
17	55727102	55727351	55727223	9	12	10	1.133255728	0.37674	ENSG00000212648
17	55727486	55727858	55727692	10	15	12	1.180195315	0.324974	ENSG00000212648
17	55728451	55728681	55728566	10	13	12	1.0326709	0.46514	ENSG00000212648
17	55730126	55730758	55730457	11	28	30	0.897043616	0.663432	ENSG00000212648
17	55731629	55731948	55731788	9	15	12	1.180195315	0.324974	ENSG00000212648
17	55732116	55732456	55732280	10	15	10	1.394776281	0.191426	ENSG00000212648
17	55732801	55733072	55732953	9	11	11	0.958908693	0.540507	ENSG00000212648
17	55733163	55733539	55733391	16	20	9	2.013708255	0.0279742	ENSG00000212648
17	55734632	55735032	55734806	14	19	17	1.065454103	0.420867	ENSG00000212648
17	55735362	55735589	55735501	11	13	21	0.610214623	0.930478	ENSG00000212648
17	55736870	55737483	55737027	10	22	11	1.837908328	0.0378204	ENSG00000212648
17	55737528	55737922	55737707	10	17	8	1.917817386	0.0474153	ENSG00000212648
17	55739981	55740186	55740083	8	10	9	1.054799562	0.4492	ENSG00000212648

17	55740481	55740714	55740585	8	9	11	0.799090578	0.702688	ENSG00000212648
17	55741092	55741408	55741250	9	12	11	1.038817751	0.460341	ENSG00000212648
17	55743953	55744252	55744055	14	18	15	1.138704073	0.348127	ENSG00000212648
17	55744262	55744520	55744398	10	15	8	1.704726565	0.0916153	ENSG00000212648
17	55744964	55745176	55745070	8	10	7	1.318499453	0.269217	ENSG00000212648
17	55745556	55745869	55745714	10	14	7	1.797953799	0.0806593	ENSG00000212648
17	55746603	55747049	55746870	9	17	10	1.569123316	0.112309	ENSG00000212648
17	55747741	55748457	55748096	20	46	36	1.218073205	0.182357	ENSG00000212648
17	55748988	55749274	55749131	9	12	10	1.133255728	0.37674	ENSG00000212648
17	55750140	55750389	55750225	10	13	10	1.220429246	0.306001	ENSG00000212648
17	55750541	55750886	55750713	15	20	17	1.118726809	0.361026	ENSG00000212648
17	55752467	55752772	55752598	9	12	11	1.038817751	0.460341	ENSG00000212648
17	55752989	55753246	55753120	11	14	19	0.71918152	0.83643	ENSG00000212648
17	55753929	55754209	55754064	11	15	7	1.917817386	0.0572317	ENSG00000212648
17	55754245	55754525	55754422	15	18	10	1.656296833	0.0841786	ENSG00000212648
17	55754820	55754999	55754881	8	8	1	4.315089119	0.0127267	ENSG00000212648
17	55755747	55756026	55755887	8	13	12	1.0326709	0.46514	ENSG00000212648
17	55760370	55760730	55760551	8	13	8	1.491635745	0.166708	ENSG00000212648
17	55761086	55761382	55761234	11	14	13	1.027402171	0.469541	ENSG00000212648
17	55761611	55762014	55761870	9	16	12	1.253957522	0.265012	ENSG00000212648
17	55762099	55762357	55762236	10	12	15	0.779113313	0.750998	ENSG00000212648
17	55762374	55762607	55762490	9	10	8	1.171999514	0.35773	ENSG00000212648
17	55762767	55763291	55763114	17	29	15	1.797953799	0.0249937	ENSG00000212648
17	55763309	55763542	55763425	9	9	3	2.397271733	0.0539397	ENSG00000212648
17	55765195	55765451	55765349	10	13	12	1.0326709	0.46514	ENSG00000212648
17	55767344	55768010	55767510	14	30	20	1.41553188	0.105206	USP32 ENSG00000170832
17	55769955	55770242	55770115	8	11	8	1.278544924	0.28289	USP32 ENSG00000170832
17	55772269	55772591	55772430	18	23	11	1.917817386	0.0274129	USP32 ENSG00000170832
17	55776940	55777162	55777025	8	10	15	0.659249726	0.861705	USP32 ENSG00000170832
17	55777281	55777951	55777612	20	41	25	1.54900635	0.03671	USP32 ENSG00000170832
17	55778297	55778655	55778523	12	17	14	1.150690432	0.340986	USP32 ENSG00000170832
17	55778892	55779348	55779169	12	25	20	1.187220287	0.276369	USP32 ENSG00000170832
17	55782911	55783107	55782976	8	9	16	0.564063937	0.931096	USP32 ENSG00000170832
17	55783350	55783556	55783453	8	10	8	1.171999514	0.35773	USP32 ENSG00000170832

17	55784172	55784614	55784351	9	16	21	0.740974899	0.826507	USP32	ENSG00000170832
17	55784674	55785439	55784891	22	45	52	0.832260375	0.81989	USP32	ENSG00000170832
17	55786326	55786800	55786568	15	26	20	1.232882605	0.232568	USP32	ENSG00000170832
17	55786837	55787077	55786992	10	13	10	1.220429246	0.306001	USP32	ENSG00000170832
17	55787295	55789426	55788277	39	155	110	1.347655461	0.00768914	USP32	ENSG00000170832
17	55789566	55789956	55789745	10	18	9	1.821926517	0.0548428	USP32	ENSG00000170832
17	55790249	55790549	55790415	11	13	1	6.712360851	0.000640982	USP32	ENSG00000170832
17	55794107	55794426	55794266	11	14	9	1.43836304	0.179537	USP32	ENSG00000170832
17	55796073	55796435	55796256	13	20	15	1.25856766	0.240048	USP32	ENSG00000170832
17	55796440	55796912	55796751	8	17	20	0.821921737	0.731032	USP32	ENSG00000170832
17	55799205	55799535	55799370	8	13	12	1.0326709	0.46514	USP32	ENSG00000170832
17	55801846	55802047	55801917	8	9	6	1.369869562	0.253675	USP32	ENSG00000170832
17	55803751	55804327	55803917	22	37	35	1.012181398	0.478474	USP32	ENSG00000170832
17	55804655	55805194	55805015	13	25	10	2.266511456	0.00802978	USP32	ENSG00000170832
17	55805268	55805543	55805440	18	20	9	2.013708255	0.0279742	USP32	ENSG00000170832
17	55814171	55814699	55814328	11	24	29	0.799090578	0.798033	USP32	ENSG00000170832
17	55815605	55816241	55815774	9	25	32	0.755503819	0.859753	USP32	ENSG00000170832
17	55816259	55816722	55816438	10	20	19	1.006854128	0.490315	USP32	ENSG00000170832
17	55818234	55818503	55818384	12	13	9	1.34247217	0.232231	USP32	ENSG00000170832
17	55818516	55818991	55818835	17	29	34	0.821921737	0.786085	USP32	ENSG00000170832
17	55820032	55820252	55820154	9	10	10	0.958908693	0.538751	USP32	ENSG00000170832
17	55820564	55820825	55820691	11	14	12	1.106433107	0.392094	USP32	ENSG00000170832
17	55821020	55821421	55821199	9	17	22	0.750450282	0.822065	USP32	ENSG00000170832
17	55822300	55822820	55822544	16	29	23	1.198635866	0.251284	USP32	ENSG00000170832
17	55822825	55825777	55824682	35	309	196	1.508942613	2.39E-06	USP32	ENSG00000170832
17	55826269	55826728	55826353	11	23	24	0.920552345	0.614165	USP32	ENSG00000170832
17	55827521	55828000	55827698	10	19	18	1.009377572	0.487356	USP32	ENSG00000170832
17	55828025	55828331	55828178	11	14	13	1.027402171	0.469541	USP32	ENSG00000170832
17	55828407	55828591	55828565	8	9	3	2.397271733	0.0539397	USP32	ENSG00000170832
17	55828606	55828976	55828797	12	19	17	1.065454103	0.420867	USP32	ENSG00000170832
17	55829339	55829598	55829518	11	13	8	1.491635745	0.166708	USP32	ENSG00000170832
17	55830374	55830758	55830591	10	15	17	0.852363283	0.680376	USP32	ENSG00000170832
17	55831350	55831546	55831448	8	9	5	1.598181155	0.170911	USP32	ENSG00000170832
17	55831879	55832217	55832048	9	13	21	0.610214623	0.930478	USP32	ENSG00000170832

17	55832694	55832954	55832857	8	11	10	1.046082211	0.455063	USP32	ENSG00000170832
17	55833946	55834438	55834259	12	24	21	1.089668969	0.382599	USP32	ENSG00000170832
17	55834677	55835069	55834862	10	19	19	0.958908693	0.552451	USP32	ENSG00000170832
17	55835548	55835764	55835621	11	13	10	1.220429246	0.306001	USP32	ENSG00000170832
17	55836207	55836440	55836323	8	11	8	1.278544924	0.28289	USP32	ENSG00000170832
17	55836872	55837130	55836977	8	10	14	0.703199708	0.817173	USP32	ENSG00000170832
17	55842009	55842258	55842133	8	11	12	0.885146486	0.620672	C17orf64	ENSG00000141371
17	55844078	55844315	55844196	9	10	11	0.878999635	0.622439	C17orf64	ENSG00000141371
17	55844628	55845150	55844791	8	18	18	0.958908693	0.551113	C17orf64	ENSG00000141371
17	55847178	55847593	55847351	15	23	26	0.852363283	0.716584	C17orf64	ENSG00000141371
17	55847677	55847911	55847816	12	13	11	1.118726809	0.38479	C17orf64	ENSG00000141371
17	55848457	55848741	55848568	10	14	20	0.684934781	0.872628	C17orf64	ENSG00000141371
17	55848744	55849070	55848907	13	18	18	0.958908693	0.551113	C17orf64	ENSG00000141371
17	55852288	55852501	55852355	10	10	14	0.703199708	0.817173	C17orf64	ENSG00000141371
17	55853246	55853629	55853425	8	16	16	0.958908693	0.548325	C17orf64	ENSG00000141371
17	55854294	55855236	55854525	10	34	35	0.93227234	0.616206	C17orf64	ENSG00000141371
17	55856021	55856740	55856427	11	28	19	1.390417605	0.124062	C17orf64	ENSG00000141371
17	55856945	55857774	55857513	9	30	27	1.06164891	0.407875	C17orf64	ENSG00000141371
17	55857944	55858365	55858123	11	20	27	0.71918152	0.876208	C17orf64	ENSG00000141371
17	55859016	55859290	55859146	11	13	12	1.0326709	0.46514	C17orf64	ENSG00000141371
17	55859950	55860390	55860129	12	22	23	0.918954164	0.614181	C17orf64	ENSG00000141371
17	55861234	55861456	55861387	9	10	16	0.620470331	0.897128		ENSG00000213228
17	55861588	55861849	55861672	9	12	10	1.133255728	0.37674		ENSG00000213228
17	55862363	55862668	55862516	11	15	14	1.022835939	0.473606		ENSG00000213228
17	55862705	55864318	55863585	13	71	62	1.095895649	0.296635		ENSG00000213228
17	55866586	55866786	55866692	8	9	8	1.065454103	0.442605		ENSG00000213228
17	55867490	55868542	55868193	34	97	60	1.540541835	0.00354158		ENSG00000213228
17	55869474	55869777	55869632	11	14	9	1.43836304	0.179537		ENSG00000213228
17	55870230	55870705	55870352	11	21	14	1.406399416	0.148881		ENSG00000213228
17	55871313	55872153	55871628	15	37	13	2.602752167	0.000528768		ENSG00000213228
17	55873931	55874629	55874253	12	29	37	0.757033179	0.874819		ENSG00000213228
17	55874637	55875268	55874919	15	32	38	0.811384279	0.812987		ENSG00000213228
17	55876621	55877191	55877012	11	25	31	0.779113313	0.829763		ENSG00000213228
17	55877351	55877602	55877497	11	14	18	0.757033179	0.792932		ENSG00000213228

17	55877857	55878174	55878044	11	16	17	0.905635988	0.615736	ENSG00000213228
17	55878883	55879276	55879079	11	19	12	1.475244143	0.131365	ENSG00000213228
17	55879343	55879708	55879468	9	15	14	1.022835939	0.473606	ENSG00000213228
17	55880616	55880915	55880765	11	14	11	1.198635866	0.315918	ENSG00000213228
17	55884072	55884436	55884257	13	20	20	0.958908693	0.553754	ENSG00000213228
17	55886891	55887241	55887066	8	14	10	1.307602763	0.244096	ENSG00000213228
17	55890620	55890925	55890772	11	13	13	0.958908693	0.543805	ENSG00000213228
17	55891918	55892140	55892029	10	12	15	0.779113313	0.750998	ENSG00000213228
17	55895352	55896064	55895531	11	33	23	1.358453982	0.121537	ENSG00000213228
17	55897173	55897412	55897265	9	11	9	1.150690432	0.367789	ENSG00000213228
17	55897489	55897805	55897587	8	13	11	1.118726809	0.38479	ENSG00000213228
17	55897850	55898345	55898068	10	22	17	1.225272219	0.255726	ENSG00000213228
17	55899771	55899985	55899878	8	9	13	0.684934781	0.824961	ENSG00000213228
17	55900216	55900579	55900404	20	27	14	1.789962894	0.029869	ENSG00000213228
17	55901652	55902572	55902090	19	46	36	1.218073205	0.182357	ENSG00000213228
17	55904437	55904909	55904766	15	27	18	1.4131286	0.11777	ENSG00000213228
17	55905632	55905843	55905737	9	11	7	1.43836304	0.204844	ENSG00000213228
17	55906103	55906379	55906241	10	11	10	1.046082211	0.455063	ENSG00000213228
17	55907285	55908022	55907705	10	30	19	1.486308474	0.0791381	ENSG00000213228
17	55908885	55909475	55909057	9	22	25	0.848265382	0.718521	ENSG00000213228
17	55909859	55910219	55910018	9	15	14	1.022835939	0.473606	ENSG00000213228
17	55911261	55911633	55911401	10	15	21	0.69738814	0.867465	ENSG00000213228
17	55911650	55911929	55911789	11	13	10	1.220429246	0.306001	ENSG00000213228
17	55912022	55912241	55912131	10	12	7	1.558226626	0.152813	ENSG00000213228
17	55912809	55913298	55913067	19	32	36	0.855242888	0.744072	APPBP2 ENSG00000062725
17	55913670	55913885	55913743	8	9	13	0.684934781	0.824961	APPBP2 ENSG00000062725
17	55913950	55914141	55914031	8	8	10	0.784561658	0.708731	APPBP2 ENSG00000062725
17	55920584	55920885	55920728	9	13	16	0.789689512	0.746135	APPBP2 ENSG00000062725
17	55922211	55922428	55922306	10	10	9	1.054799562	0.4492	APPBP2 ENSG00000062725
17	55925154	55925334	55925244	9	10	7	1.318499453	0.269217	APPBP2 ENSG00000062725
17	55925990	55926394	55926169	11	18	14	1.214617678	0.282961	APPBP2 ENSG00000062725
17	55926470	55926796	55926633	9	13	17	0.745817872	0.798145	APPBP2 ENSG00000062725
17	55927638	55927934	55927791	10	11	5	1.917817386	0.0843804	APPBP2 ENSG00000062725
17	55931199	55931822	55931539	8	21	13	1.506856518	0.109266	APPBP2 ENSG00000062725

17	55933885	55934453	55934170	12	27	25	1.0326709	0.45189	APPBP2	ENSG00000062725
17	55934470	55934754	55934564	9	14	9	1.43836304	0.179537	APPBP2	ENSG00000062725
17	55936630	55937156	55936977	14	31	22	1.334133834	0.142045	APPBP2	ENSG00000062725
17	55940398	55941261	55940846	12	37	35	1.012181398	0.478474	APPBP2	ENSG00000062725
17	55941881	55942103	55941992	8	10	7	1.318499453	0.269217	APPBP2	ENSG00000062725
17	55942406	55942756	55942581	8	14	5	2.397271733	0.0258078	APPBP2	ENSG00000062725
17	55943003	55943328	55943174	10	13	19	0.671236085	0.87814	APPBP2	ENSG00000062725
17	55948397	55948588	55948454	8	9	13	0.684934781	0.824961	APPBP2	ENSG00000062725
17	55948964	55949228	55949096	9	11	10	1.046082211	0.455063	APPBP2	ENSG00000062725
17	55949922	55950270	55950096	9	15	12	1.180195315	0.324974	APPBP2	ENSG00000062725
17	55951662	55951841	55951747	8	8	10	0.784561658	0.708731	APPBP2	ENSG00000062725
17	55953149	55953447	55953323	12	16	11	1.358453982	0.20248	APPBP2	ENSG00000062725
17	55954031	55954214	55954080	8	8	7	1.07877228	0.435076	APPBP2	ENSG00000062725
17	55954339	55954637	55954477	10	12	11	1.038817751	0.460341	APPBP2	ENSG00000062725
17	55955012	55955476	55955297	8	17	13	1.232882605	0.274309	APPBP2	ENSG00000062725
17	55955536	55955842	55955669	12	15	7	1.917817386	0.0572317	APPBP2	ENSG00000062725
17	55956030	55959223	55958468	46	319	169	1.805004599	9.03E-11	APPBP2	ENSG00000062725
17	55959713	55960045	55959879	10	15	15	0.958908693	0.546868	APPBP2	ENSG00000062725
17	55960133	55960607	55960437	11	19	16	1.128127874	0.354788	APPBP2	ENSG00000062725
17	55960881	55961130	55961002	10	13	9	1.34247217	0.232231	APPBP2	ENSG00000062725
17	55961522	55962922	55962190	252	380	24	14.61376848	6.47E-81	APPBP2	ENSG00000062725
17	55965941	55966255	55966098	11	16	15	1.018840486	0.477384	APPBP2	ENSG00000062725
17	55967903	55968720	55968113	9	30	27	1.06164891	0.407875	APPBP2	ENSG00000062725
17	55969469	55970124	55969648	13	34	16	1.97422378	0.00831751	APPBP2	ENSG00000062725
17	55971355	55971623	55971465	8	11	12	0.885146486	0.620672	APPBP2	ENSG00000062725
17	55973652	55974142	55973971	16	26	21	1.176842487	0.282611	APPBP2	ENSG00000062725
17	55974801	55975079	55974936	12	15	7	1.917817386	0.0572317	APPBP2	ENSG00000062725
17	55975659	55975982	55975820	9	14	8	1.598181155	0.124586	APPBP2	ENSG00000062725
17	55976152	55976486	55976326	10	15	1	7.671269544	0.000187863	APPBP2	ENSG00000062725
17	55976490	55976974	55976795	11	22	3	5.513724985	6.69E-05	APPBP2	ENSG00000062725
17	55976976	55977201	55977029	8	11	7	1.43836304	0.204844	APPBP2	ENSG00000062725
17	55977824	55978184	55978005	9	15	25	0.590097657	0.955515	APPBP2	ENSG00000062725
17	55978294	55978475	55978387	8	9	10	0.871735176	0.624623	APPBP2	ENSG00000062725
17	55978590	55978951	55978779	9	15	12	1.180195315	0.324974	APPBP2	ENSG00000062725

17	55979804	55980126	55979965	8	12	11	1.038817751	0.460341	APPBP2	ENSG00000062725
17	55985305	55985528	55985409	9	11	19	0.575345216	0.94039	APPBP2	ENSG00000062725
17	55987199	55987641	55987378	12	23	15	1.43836304	0.12479	APPBP2	ENSG00000062725
17	55989477	55989952	55989759	11	20	35	0.559363404	0.985014	APPBP2	ENSG00000062725
17	55990178	55990416	55990290	13	15	6	2.191791298	0.0328001	APPBP2	ENSG00000062725
17	55991164	55991655	55991411	11	22	20	1.05023333	0.434036	APPBP2	ENSG00000062725
17	55994085	55994366	55994225	9	12	13	0.890415215	0.619237	APPBP2	ENSG00000062725
17	55995414	55995695	55995554	15	16	8	1.811271976	0.0663685	PPM1D	ENSG00000170836
17	55995750	55996185	55995877	11	20	17	1.118726809	0.361026	PPM1D	ENSG00000170836
17	55996892	55997122	55997001	8	8	6	1.232882605	0.333038	PPM1D	ENSG00000170836
17	55997504	55997750	55997580	13	15	5	2.557089848	0.0169197	PPM1D	ENSG00000170836
17	55998535	55998821	55998663	14	17	28	0.595184706	0.961563	PPM1D	ENSG00000170836
17	55999927	56000473	56000302	8	19	27	0.684934781	0.905224	PPM1D	ENSG00000170836
17	56000964	56001494	56001154	10	21	12	1.622768557	0.076896	PPM1D	ENSG00000170836
17	56001658	56002336	56002050	23	47	35	1.278544924	0.129912	PPM1D	ENSG00000170836
17	56003337	56003750	56003488	17	24	24	0.958908693	0.558672	PPM1D	ENSG00000170836
17	56004595	56004989	56004732	9	15	19	0.767126954	0.788167	PPM1D	ENSG00000170836
17	56005579	56006108	56005884	9	20	15	1.25856766	0.240048	PPM1D	ENSG00000170836
17	56007098	56007544	56007395	11	21	27	0.753428259	0.842351	PPM1D	ENSG00000170836
17	56008018	56008314	56008168	9	13	8	1.491635745	0.166708	PPM1D	ENSG00000170836
17	56009491	56010120	56009954	17	34	41	0.799090578	0.837938	PPM1D	ENSG00000170836
17	56011112	56011387	56011234	9	11	12	0.885146486	0.620672	PPM1D	ENSG00000170836
17	56012017	56012268	56012103	11	16	12	1.253957522	0.265012	PPM1D	ENSG00000170836
17	56012688	56013497	56013366	17	35	17	1.917817386	0.00960758	PPM1D	ENSG00000170836
17	56014831	56015321	56015076	14	28	5	4.63472535	3.19E-05	PPM1D	ENSG00000170836
17	56015362	56015656	56015531	8	12	5	2.077635502	0.0577144	PPM1D	ENSG00000170836
17	56015891	56016350	56016183	9	17	24	0.690414259	0.888181	PPM1D	ENSG00000170836
17	56016892	56017085	56016992	8	8	8	0.958908693	0.534974	PPM1D	ENSG00000170836
17	56017109	56017460	56017284	9	15	20	0.730597099	0.831283	PPM1D	ENSG00000170836
17	56017496	56017734	56017594	8	11	8	1.278544924	0.28289	PPM1D	ENSG00000170836
17	56018058	56019203	56018548	29	92	37	2.346802854	1.57E-06	PPM1D	ENSG00000170836
17	56019639	56019891	56019765	12	14	18	0.757033179	0.792932	PPM1D	ENSG00000170836
17	56019965	56020227	56020096	11	14	15	0.8989769	0.617119	PPM1D	ENSG00000170836
17	56022435	56022903	56022609	13	19	27	0.684934781	0.905224	PPM1D	ENSG00000170836

17	56022983	56024234	56023567	23	70	51	1.309279177	0.0680032	PPM1D	ENSG00000170836
17	56024327	56024542	56024434	8	8	6	1.232882605	0.333038	PPM1D	ENSG00000170836
17	56024832	56025490	56025189	10	25	9	2.493162602	0.00432225	PPM1D	ENSG00000170836
17	56025602	56026191	56025884	9	19	13	1.369869562	0.177863	PPM1D	ENSG00000170836
17	56026535	56027380	56027162	12	39	34	1.095895649	0.344651	PPM1D	ENSG00000170836
17	56027968	56028161	56028098	9	11	17	0.639272462	0.890352	PPM1D	ENSG00000170836
17	56028784	56029118	56028957	11	16	15	1.018840486	0.477384	PPM1D	ENSG00000170836
17	56029123	56029406	56029264	14	17	17	0.958908693	0.549739	PPM1D	ENSG00000170836
17	56030079	56030463	56030225	11	17	25	0.663859864	0.912943	PPM1D	ENSG00000170836
17	56030572	56031196	56031017	15	34	44	0.745817872	0.905279	PPM1D	ENSG00000170836
17	56031199	56035770	56032427	530	1172	286	3.919163404	6.86E-120	PPM1D	ENSG00000170836
17	56035907	56036179	56036081	11	14	10	1.307602763	0.244096	PPM1D	ENSG00000170836
17	56036314	56036770	56036542	15	25	32	0.755503819	0.859753	PPM1D	ENSG00000170836
17	56037198	56037885	56037377	14	33	26	1.207514651	0.229506	PPM1D	ENSG00000170836
17	56038132	56038338	56038213	8	8	7	1.07877228	0.435076	PPM1D	ENSG00000170836
17	56038402	56038703	56038547	10	12	13	0.890415215	0.619237	PPM1D	ENSG00000170836
17	56039713	56040190	56039819	9	21	23	0.878999635	0.669714	PPM1D	ENSG00000170836
17	56040207	56040428	56040285	9	11	5	1.917817386	0.0843804	PPM1D	ENSG00000170836
17	56042663	56043096	56042944	20	31	26	1.136484377	0.310077	PPM1D	ENSG00000170836
17	56044024	56044723	56044355	11	25	26	0.923393556	0.614269	PPM1D	ENSG00000170836
17	56044842	56045196	56045019	8	14	14	0.958908693	0.545362	PPM1D	ENSG00000170836
17	56045408	56045652	56045530	9	10	7	1.318499453	0.269217	PPM1D	ENSG00000170836
17	56049058	56049263	56049093	9	10	3	2.636998906	0.034203	PPM1D	ENSG00000170836
17	56049721	56049918	56049819	8	9	11	0.799090578	0.702688	PPM1D	ENSG00000170836
17	56050708	56051429	56051263	13	32	12	2.434152836	0.00192998	PPM1D	ENSG00000170836
17	56055493	56056008	56055768	13	26	17	1.43836304	0.111326	PPM1D	ENSG00000170836
17	56056112	56056409	56056260	8	12	6	1.78083043	0.0985525	PPM1D	ENSG00000170836
17	56056468	56056675	56056630	10	11	3	2.876726079	0.0213797	PPM1D	ENSG00000170836
17	56057700	56058198	56057983	10	19	19	0.958908693	0.552451	PPM1D	ENSG00000170836
17	56058823	56059006	56058931	8	9	6	1.369869562	0.253675	PPM1D	ENSG00000170836
17	56059207	56059567	56059393	18	23	15	1.43836304	0.12479	PPM1D	ENSG00000170836
17	56061303	56061719	56061467	13	22	18	1.160784207	0.312473	PPM1D	ENSG00000170836
17	56062498	56063268	56062686	15	36	29	1.182654055	0.244956	PPM1D	ENSG00000170836
17	56063314	56063497	56063321	8	9	10	0.871735176	0.624623	PPM1D	ENSG00000170836

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17	56073783	56074613	56074044	28	70	38	1.745705569	0.00206842	ENSG00000200013
17	56075627	56076113	56075863	17	29	19	1.43836304	0.0995642	ENSG00000200013
17	56078337	56078640	56078494	8	12	25	0.479454347	0.987914	ENSG00000200013
17	56078983	56079284	56079131	10	13	28	0.462921438	0.99326	ENSG00000200013
17	56079872	56080219	56080045	9	15	18	0.807502057	0.737835	ENSG00000200013
17	56084991	56085486	56085318	9	21	23	0.878999635	0.669714	ENSG00000200013
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17	56088180	56088389	56088232	8	9	6	1.369869562	0.253675	ENSG00000200013
17	56088601	56089058	56088912	11	23	24	0.920552345	0.614165	ENSG00000200013
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17	56090060	56090259	56090182	9	9	6	1.369869562	0.253675	ENSG00000200013
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17	56091795	56091977	56091882	8	9	10	0.871735176	0.624623	ENSG00000200013
17	56093675	56094122	56093881	8	20	14	1.34247217	0.186867	ENSG00000200013
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17	56098077	56098308	56098161	11	11	15	0.71918152	0.81018	ENSG00000200013
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17	56103472	56103675	56103617	8	10	11	0.878999635	0.622439	BCAS3 ENSG00000141376
17	56104537	56104866	56104706	10	11	5	1.917817386	0.0843804	BCAS3 ENSG00000141376
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17	56107893	56108414	56108256	11	21	14	1.406399416	0.148881	BCAS3 ENSG00000141376
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17	56685321	56686759	56686276	17	77	81	0.912132659	0.719723	ENSG00000213227
17	56687119	56687596	56687417	18	30	40	0.725028524	0.913791	ENSG00000213227

17	56687618	56688383	56688062	13	38	46	0.795690192	0.85574	ENSG00000213227
17	56688747	56689094	56688922	19	23	28	0.793579608	0.800857	ENSG00000213227
17	56689801	56690060	56689956	10	12	16	0.733283118	0.803868	ENSG00000213227
17	56690066	56690317	56690230	8	12	27	0.445207607	0.994259	ENSG00000213227
17	56690341	56691438	56691122	14	55	70	0.756322349	0.942108	ENSG00000213227
17	56691469	56692475	56691850	20	51	50	0.977710824	0.545166	ENSG00000213227
17	56692571	56693101	56692816	16	31	39	0.767126954	0.870031	ENSG00000213227
17	56693125	56693688	56693530	16	33	27	1.164389127	0.273121	ENSG00000213227
17	56693721	56694007	56693836	11	14	18	0.757033179	0.792932	ENSG00000213227
17	56694018	56694246	56694170	11	13	9	1.34247217	0.232231	ENSG00000213227
17	56695161	56696210	56695324	15	54	54	0.958908693	0.586881	ENSG00000213227
17	56696725	56697381	56697074	9	27	16	1.579379024	0.0636678	ENSG00000213227
17	56697426	56699199	56698616	22	95	71	1.278544924	0.056089	BCAS3 ENSG00000141376
17	56699507	56699758	56699632	10	11	12	0.885146486	0.620672	BCAS3 ENSG00000141376
17	56699828	56700203	56700126	13	18	25	0.700740968	0.883987	BCAS3 ENSG00000141376
17	56701550	56701968	56701789	13	22	23	0.918954164	0.614181	BCAS3 ENSG00000141376
17	56702648	56702953	56702800	10	12	14	0.831054201	0.689281	BCAS3 ENSG00000141376
17	56704870	56705143	56705006	14	16	22	0.708758599	0.862621	BCAS3 ENSG00000141376
17	56705297	56705689	56705472	8	17	20	0.821921737	0.731032	BCAS3 ENSG00000141376
17	56705715	56706180	56706001	10	19	17	1.065454103	0.420867	BCAS3 ENSG00000141376
17	56706730	56706925	56706827	9	9	11	0.799090578	0.702688	BCAS3 ENSG00000141376
17	56707065	56707273	56707128	9	10	21	0.479454347	0.981126	BCAS3 ENSG00000141376
17	56707648	56708127	56707948	11	22	35	0.612636109	0.969367	BCAS3 ENSG00000141376
17	56708920	56709305	56709175	12	19	16	1.128127874	0.354788	BCAS3 ENSG00000141376
17	56710703	56710937	56710845	8	11	26	0.426181641	0.995195	BCAS3 ENSG00000141376
17	56711008	56711187	56711020	8	8	7	1.07877228	0.435076	BCAS3 ENSG00000141376
17	56711334	56712762	56711968	20	94	79	1.138704073	0.194788	BCAS3 ENSG00000141376
17	56712859	56713063	56712966	9	10	18	0.555157664	0.945639	BCAS3 ENSG00000141376
17	56714260	56715052	56714761	20	48	35	1.305181277	0.109832	BCAS3 ENSG00000141376
17	56715241	56715644	56715420	9	16	15	1.018840486	0.477384	BCAS3 ENSG00000141376
17	56716217	56718658	56717000	311	606	126	4.583130525	2.71E-72	BCAS3 ENSG00000141376
17	56718687	56719211	56719032	12	23	27	0.821921737	0.761135	BCAS3 ENSG00000141376
17	56719354	56719596	56719475	10	11	9	1.150690432	0.367789	BCAS3 ENSG00000141376
17	56719965	56722500	56722096	28	163	157	0.995322947	0.516483	BCAS3 ENSG00000141376

17	56723173	56723463	56723337	10	10	21	0.479454347	0.981126	BCAS3	ENSG00000141376
17	56723521	56724507	56723817	18	54	61	0.850644808	0.809499	BCAS3	ENSG00000141376
17	56724835	56725430	56725235	11	26	36	0.699744181	0.923312	BCAS3	ENSG00000141376
17	56725448	56726255	56725720	11	34	42	0.780507076	0.863473	BCAS3	ENSG00000141376
17	56726446	56727720	56727061	13	54	62	0.83714251	0.833153	BCAS3	ENSG00000141376
17	56728062	56728629	56728488	18	39	31	1.198635866	0.220022	BCAS3	ENSG00000141376
17	56728684	56729180	56728958	14	26	17	1.43836304	0.111326	BCAS3	ENSG00000141376
17	56729186	56730477	56729800	20	79	55	1.369869562	0.0339016	BCAS3	ENSG00000141376
17	56730509	56730820	56730667	11	15	21	0.69738814	0.867465	BCAS3	ENSG00000141376
17	56731594	56732157	56731800	12	26	30	0.835178539	0.75436	BCAS3	ENSG00000141376
17	56732235	56733135	56732704	14	49	55	0.856168476	0.78834	BCAS3	ENSG00000141376
17	56733140	56733532	56733319	11	21	14	1.406399416	0.148881	BCAS3	ENSG00000141376
17	56733860	56734565	56734198	20	38	34	1.068498258	0.386697	BCAS3	ENSG00000141376
17	56734848	56735837	56735287	11	43	50	0.827293774	0.82266	BCAS3	ENSG00000141376
17	56735922	56736467	56736192	12	27	41	0.639272462	0.968806	BCAS3	ENSG00000141376
17	56737188	56737808	56737351	10	25	29	0.831054201	0.756473	BCAS3	ENSG00000141376
17	56738008	56738445	56738115	13	22	19	1.102744997	0.372416	BCAS3	ENSG00000141376
17	56738568	56738964	56738746	16	23	15	1.43836304	0.12479	BCAS3	ENSG00000141376
17	56739015	56739424	56739154	15	25	24	0.997265041	0.503149	BCAS3	ENSG00000141376
17	56739567	56739913	56739736	11	15	16	0.902502299	0.616352	BCAS3	ENSG00000141376
17	56740099	56740713	56740359	12	28	31	0.869011003	0.708837	BCAS3	ENSG00000141376
17	56740716	56742485	56742249	19	93	87	1.024288831	0.435173	BCAS3	ENSG00000141376
17	56742591	56743277	56742883	14	37	31	1.138704073	0.292149	BCAS3	ENSG00000141376
17	56743424	56743775	56743599	13	19	15	1.198635866	0.291044	BCAS3	ENSG00000141376
17	56744069	56747328	56746740	257	582	269	2.070532474	6.29E-25	BCAS3	ENSG00000141376
17	56747438	56748262	56747979	13	36	27	1.267129344	0.169235	BCAS3	ENSG00000141376
17	56748709	56749754	56749060	20	62	46	1.285345695	0.0942511	BCAS3	ENSG00000141376
17	56749798	56750362	56749936	14	29	35	0.799090578	0.819499	BCAS3	ENSG00000141376
17	56750523	56750799	56750691	13	17	22	0.750450282	0.822065	BCAS3	ENSG00000141376
17	56750863	56751540	56751199	15	36	31	1.108738176	0.332755	BCAS3	ENSG00000141376
17	56752397	56752671	56752522	12	12	13	0.890415215	0.619237	BCAS3	ENSG00000141376
17	56752758	56753103	56752926	8	12	13	0.890415215	0.619237	BCAS3	ENSG00000141376
17	56753271	56754107	56753627	20	56	30	1.763154694	0.0045072	BCAS3	ENSG00000141376
17	56754438	56754800	56754543	10	16	21	0.740974899	0.826507	BCAS3	ENSG00000141376

17	56754989	56755712	56755481	16	38	49	0.747948781	0.91468	BCAS3	ENSG00000141376
17	56755717	56756222	56756043	19	32	50	0.620470331	0.985095	BCAS3	ENSG00000141376
17	56757100	56757922	56757316	19	47	56	0.807502057	0.863617	BCAS3	ENSG00000141376
17	56757926	56759054	56758296	13	52	65	0.770032738	0.922963	BCAS3	ENSG00000141376
17	56759944	56760463	56760112	8	18	14	1.214617678	0.282961	BCAS3	ENSG00000141376
17	56761253	56761542	56761401	9	11	5	1.917817386	0.0843804	BCAS3	ENSG00000141376
17	56762003	56762261	56762101	9	12	22	0.54199187	0.965779	BCAS3	ENSG00000141376
17	56762424	56764711	56763411	16	116	122	0.912132659	0.76197	BCAS3	ENSG00000141376
17	56764991	56765740	56765298	12	30	31	0.928942796	0.615119	BCAS3	ENSG00000141376
17	56766280	56766542	56766372	8	11	22	0.500300188	0.978352	BCAS3	ENSG00000141376
17	56766819	56768115	56767345	22	106	65	1.554594396	0.00208054	BCAS3	ENSG00000141376
17	56768132	56768757	56768333	35	56	60	0.896029434	0.724736	BCAS3	ENSG00000141376
17	56769188	56769509	56769353	9	13	15	0.839045106	0.685928	BCAS3	ENSG00000141376
17	56769535	56770391	56769988	15	40	53	0.728060304	0.938881	BCAS3	ENSG00000141376
17	56770601	56770946	56770773	14	20	28	0.694382157	0.901601	BCAS3	ENSG00000141376
17	56770981	56771677	56771236	11	33	37	0.857970936	0.742682	BCAS3	ENSG00000141376
17	56771914	56772382	56772044	13	24	23	0.998863222	0.500802	BCAS3	ENSG00000141376
17	56772441	56774105	56773807	13	69	81	0.818580592	0.891517	BCAS3	ENSG00000141376
17	56774594	56774861	56774716	12	13	10	1.220429246	0.306001	BCAS3	ENSG00000141376
17	56775433	56776926	56776164	13	62	71	0.839045106	0.84626	BCAS3	ENSG00000141376
17	56777014	56777951	56777678	12	42	55	0.736304889	0.93599	BCAS3	ENSG00000141376
17	56778014	56778789	56778500	13	39	53	0.710302736	0.951108	BCAS3	ENSG00000141376
17	56778848	56779172	56779003	12	16	19	0.815072389	0.734271	BCAS3	ENSG00000141376
17	56779435	56779979	56779777	12	24	19	1.198635866	0.269826	BCAS3	ENSG00000141376
17	56780114	56780971	56780564	14	42	40	1.005684727	0.488979	BCAS3	ENSG00000141376
17	56781398	56782080	56781615	18	42	57	0.710915066	0.956509	BCAS3	ENSG00000141376
17	56782195	56782437	56782327	8	9	10	0.871735176	0.624623	BCAS3	ENSG00000141376
17	56783001	56785622	56784476	24	171	159	1.030826845	0.390666	BCAS3	ENSG00000141376
17	56785659	56786789	56786359	16	57	58	0.942656003	0.62522	BCAS3	ENSG00000141376
17	56786799	56788235	56787381	13	61	75	0.782267618	0.925383	BCAS3	ENSG00000141376
17	56788344	56789380	56789015	131	238	95	2.3872831	1.82E-14	BCAS3	ENSG00000141376
17	56790375	56790746	56790584	12	17	12	1.327719729	0.212795	BCAS3	ENSG00000141376
17	56790970	56791482	56791226	18	31	34	0.876716519	0.705376	BCAS3	ENSG00000141376
17	56791928	56792167	56792087	9	12	7	1.558226626	0.152813	BCAS3	ENSG00000141376

17	56792336	56792803	56792637	12	21	24	0.84383965	0.72062	BCAS3	ENSG00000141376
17	56792893	56793571	56793051	15	38	27	1.335622822	0.118053	BCAS3	ENSG00000141376
17	56793900	56795713	56794225	18	95	110	0.829326437	0.910931	BCAS3	ENSG00000141376
17	56795842	56796717	56796167	14	44	32	1.307602763	0.1181	BCAS3	ENSG00000141376
17	56797768	56798079	56797923	12	15	7	1.917817386	0.0572317	BCAS3	ENSG00000141376
17	56798283	56798772	56798549	8	18	23	0.759136049	0.817924	BCAS3	ENSG00000141376
17	56798839	56799265	56799018	12	20	18	1.05984645	0.425516	BCAS3	ENSG00000141376
17	56799285	56799888	56799616	14	30	43	0.675594761	0.954874	BCAS3	ENSG00000141376
17	56800581	56801074	56800760	11	22	22	0.958908693	0.556268	BCAS3	ENSG00000141376
17	56801078	56801384	56801232	8	12	13	0.890415215	0.619237	BCAS3	ENSG00000141376
17	56801748	56802330	56801927	11	28	27	0.993155432	0.509675	BCAS3	ENSG00000141376
17	56802951	56803562	56803264	13	33	44	0.72450879	0.923905	BCAS3	ENSG00000141376
17	56803784	56804323	56804028	8	20	32	0.610214623	0.964514	BCAS3	ENSG00000141376
17	56804548	56805330	56804975	11	33	33	0.958908693	0.568424	BCAS3	ENSG00000141376
17	56805549	56805946	56805720	37	46	6	6.438386939	6.82E-09	BCAS3	ENSG00000141376
17	56806901	56807724	56807545	10	33	41	0.776259418	0.865581	BCAS3	ENSG00000141376
17	56808205	56808961	56808717	12	33	44	0.72450879	0.923905	BCAS3	ENSG00000141376
17	56808978	56809335	56809156	12	17	14	1.150690432	0.340986	BCAS3	ENSG00000141376
17	56809405	56810698	56809803	14	53	47	1.07877228	0.349962	BCAS3	ENSG00000141376
17	56810799	56811081	56810931	9	12	15	0.779113313	0.750998	BCAS3	ENSG00000141376
17	56811104	56812768	56812589	18	79	76	0.996268772	0.50892	BCAS3	ENSG00000141376
17	56812803	56813040	56812943	9	11	25	0.442573243	0.992896	BCAS3	ENSG00000141376
17	56813047	56814357	56813226	17	68	62	1.05023333	0.38841	BCAS3	ENSG00000141376
17	56815510	56816059	56815827	9	21	34	0.602742607	0.971252	BCAS3	ENSG00000141376
17	56816597	56816890	56816743	10	14	21	0.653801382	0.90216	BCAS3	ENSG00000141376
17	56817320	56817600	56817477	9	11	19	0.575345216	0.94039	BCAS3	ENSG00000141376
17	56817928	56818675	56818300	11	32	38	0.811384279	0.812987	BCAS3	ENSG00000141376
17	56819095	56819722	56819245	10	25	30	0.804246001	0.795369	BCAS3	ENSG00000141376
17	56820177	56820775	56820596	12	25	25	0.958908693	0.559837	BCAS3	ENSG00000141376
17	56820787	56823081	56822304	31	141	129	1.047423342	0.350767	BCAS3	ENSG00000141376
17	56823101	56823434	56823267	12	18	18	0.958908693	0.551113	TBX2	ENSG00000121068
17	56823452	56823810	56823631	12	17	29	0.575345216	0.971331	TBX2	ENSG00000121068
17	56824008	56824725	56824428	10	26	38	0.663859864	0.951552	TBX2	ENSG00000121068
17	56824736	56827919	56825898	76	289	194	1.426069338	5.41E-05	TBX2	ENSG00000121068

17	56829797	56831528	56831141	19	95	102	0.893740141	0.786073	TBX2	ENSG00000121068
17	56831535	56831752	56831643	10	11	11	0.958908693	0.540507	TBX2	ENSG00000121068
17	56831791	56832110	56831948	34	36	29	1.182654055	0.244956	TBX2	ENSG00000121068
17	56832532	56834388	56832945	23	114	89	1.225272219	0.0732142	TBX2	ENSG00000121068
17	56834589	56836723	56835831	18	117	82	1.36326778	0.0144808	TBX2	ENSG00000121068
17	56837014	56837349	56837181	10	14	13	1.027402171	0.469541	TBX2	ENSG00000121068
17	56838347	56838888	56838576	20	35	34	0.986306084	0.522633	C17orf82	ENSG00000187013
17	56839341	56840201	56839589	21	53	45	1.125675422	0.276036	C17orf82	ENSG00000187013
17	56840276	56840537	56840406	8	12	16	0.733283118	0.803868	C17orf82	ENSG00000187013
17	56840592	56840991	56840818	12	22	31	0.689215623	0.916241	C17orf82	ENSG00000187013
17	56841009	56841716	56841436	14	38	30	1.206369001	0.215257	C17orf82	ENSG00000187013
17	56841955	56842509	56842245	14	28	32	0.842677336	0.750511	C17orf82	ENSG00000187013
17	56842517	56843161	56842805	14	37	36	0.984825144	0.525895	C17orf82	ENSG00000187013
17	56843330	56845113	56844461	160	501	139	3.438372599	3.79E-46	C17orf82	ENSG00000187013
17	56845120	56846229	56845615	20	84	62	1.293765697	0.0590671	C17orf82	ENSG00000187013
17	56846326	56847321	56846641	18	56	48	1.115465214	0.285996	C17orf82	ENSG00000187013
17	56847326	56849772	56849117	45	213	151	1.350042502	0.00216968	C17orf82	ENSG00000187013
17	56849931	56850449	56850208	14	22	31	0.689215623	0.916241	C17orf82	ENSG00000187013
17	56850677	56850951	56850846	11	15	14	1.022835939	0.473606	C17orf82	ENSG00000187013
17	56850996	56851899	56851291	16	58	50	1.109325743	0.292324	C17orf82	ENSG00000187013
17	56851909	56852380	56852150	11	22	17	1.225272219	0.255726	C17orf82	ENSG00000187013
17	56852905	56853993	56853283	19	72	52	1.32076103	0.0597306	C17orf82	ENSG00000187013
17	56854018	56854595	56854416	9	23	31	0.71918152	0.891586	C17orf82	ENSG00000187013
17	56854774	56855282	56855065	11	26	27	0.924661954	0.614379	C17orf82	ENSG00000187013
17	56855866	56857315	56856332	16	73	77	0.909733888	0.720245	C17orf82	ENSG00000187013
17	56857343	56858534	56858331	22	74	78	0.910356354	0.7201	C17orf82	ENSG00000187013
17	56858713	56860161	56859071	19	83	58	1.365225936	0.0319789	C17orf82	ENSG00000187013
17	56860875	56861361	56861072	8	18	18	0.958908693	0.551113	C17orf82	ENSG00000187013
17	56861470	56861912	56861669	12	23	23	0.958908693	0.557483	C17orf82	ENSG00000187013
17	56863177	56863501	56863324	10	14	15	0.8989769	0.617119	C17orf82	ENSG00000187013
17	56863741	56864597	56864233	15	50	52	0.922723459	0.659222	C17orf82	ENSG00000187013
17	56865091	56865287	56865189	8	10	17	0.585999757	0.924668	C17orf82	ENSG00000187013
17	56865917	56866631	56866477	12	32	26	1.171999514	0.267953	TBX4	ENSG00000121075
17	56866655	56866930	56866816	13	16	9	1.630144778	0.102169	TBX4	ENSG00000121075

17	56867164	56867414	56867285	9	9	8	1.065454103	0.442605	TBX4	ENSG00000121075
17	56868424	56868708	56868566	12	15	17	0.852363283	0.680376	TBX4	ENSG00000121075
17	56868713	56870206	56869978	15	67	41	1.552518836	0.0112428	TBX4	ENSG00000121075
17	56870248	56870873	56870415	17	31	40	0.748416541	0.89237	TBX4	ENSG00000121075
17	56871349	56873367	56872150	22	124	143	0.832386018	0.93376	TBX4	ENSG00000121075
17	56873478	56873917	56873781	16	25	34	0.712332172	0.907472	TBX4	ENSG00000121075
17	56874189	56875643	56874720	21	79	100	0.759531638	0.967691	TBX4	ENSG00000121075
17	56876022	56877447	56876401	14	70	94	0.716658076	0.983832	TBX4	ENSG00000121075
17	56878049	56881040	56879695	24	186	176	1.013084325	0.450324	TBX4	ENSG00000121075
17	56881372	56883663	56882652	63	248	186	1.276835639	0.00553915	TBX4	ENSG00000121075
17	56884880	56885343	56885095	9	20	36	0.544245474	0.988944	TBX4	ENSG00000121075
17	56885986	56886613	56886237	13	28	24	1.112334084	0.346253	TBX4	ENSG00000121075
17	56887072	56887925	56887355	14	47	41	1.095895649	0.330961	TBX4	ENSG00000121075
17	56887997	56888401	56888222	11	18	22	0.792141964	0.776057	TBX4	ENSG00000121075
17	56888878	56889072	56888991	9	10	11	0.878999635	0.622439	TBX4	ENSG00000121075
17	56889349	56889926	56889747	10	27	34	0.767126954	0.854158	TBX4	ENSG00000121075
17	56890141	56895175	56892923	22	286	264	1.038516207	0.328289	TBX4	ENSG00000121075
17	56895177	56895858	56895335	12	29	53	0.532727052	0.997751	TBX4	ENSG00000121075
17	56895884	56896973	56896162	15	59	50	1.128127874	0.26188	TBX4	ENSG00000121075
17	56897258	56897551	56897396	9	13	22	0.583683552	0.948499	TBX4	ENSG00000121075
17	56897606	56897991	56897785	9	17	21	0.784561658	0.779771	TBX4	ENSG00000121075
17	56898122	56899168	56898527	10	43	66	0.629731082	0.992222	TBX4	ENSG00000121075
17	56899246	56900346	56899831	41	117	98	1.142941675	0.16239	TBX4	ENSG00000121075
17	56900349	56901053	56900592	15	41	55	0.71918152	0.948404	TBX4	ENSG00000121075
17	56901058	56901648	56901305	13	33	26	1.207514651	0.229506	TBX4	ENSG00000121075
17	56901798	56902197	56902048	16	21	25	0.811384279	0.76647	TBX4	ENSG00000121075
17	56902202	56903451	56903245	15	65	72	0.866958544	0.800248	TBX4	ENSG00000121075
17	56903558	56903799	56903678	8	11	15	0.71918152	0.81018	TBX4	ENSG00000121075
17	56904202	56908173	56906005	20	229	188	1.166925923	0.057302	TBX4	ENSG00000121075
17	56908207	56908763	56908503	13	29	45	0.625375235	0.979034	TBX4	ENSG00000121075
17	56908780	56909670	56908928	14	44	49	0.863017824	0.764015	TBX4	ENSG00000121075
17	56910045	56910589	56910370	10	23	42	0.535204852	0.99417	TBX4	ENSG00000121075
17	56910731	56911392	56911235	10	26	34	0.739729563	0.882713	TBX4	ENSG00000121075
17	56911446	56911842	56911663	14	22	17	1.225272219	0.255726	TBX4	ENSG00000121075

17	56911970	56914040	56913038	16	105	96	1.047879603	0.368957	TBX4	ENSG00000121075
17	56914127	56915594	56914873	17	75	86	0.837667364	0.871075	TBX4	ENSG00000121075
17	56915626	56916888	56916461	20	66	74	0.856625099	0.821999	TBX4	ENSG00000121075
17	56917116	56918363	56917819	16	63	69	0.876716519	0.777089	TBX4	ENSG00000121075
17	56918376	56919116	56918938	15	37	43	0.828148417	0.803892	TBX4	ENSG00000121075
17	56919133	56920364	56919383	16	67	62	1.035012558	0.421254	TBX4	ENSG00000121075
17	56920376	56921338	56920866	11	43	40	1.029072744	0.446616	TBX4	ENSG00000121075
17	56921376	56922664	56922083	14	65	80	0.781333009	0.932612	TBX4	ENSG00000121075
17	56922766	56923403	56923120	17	38	36	1.010741595	0.48069	TBX4	ENSG00000121075
17	56924056	56925716	56925063	14	79	112	0.678873411	0.996285	TBX4	ENSG00000121075
17	56926291	56927064	56926677	14	44	40	1.052460761	0.40533	TBX4	ENSG00000121075
17	56927090	56927943	56927419	19	56	53	1.012181398	0.473955	TBX4	ENSG00000121075
17	56928005	56929005	56928181	15	51	64	0.767126954	0.924164	TBX4	ENSG00000121075
17	56929008	56929901	56929563	19	61	70	0.837356887	0.847218	TBX4	ENSG00000121075
17	56930303	56931157	56930719	19	57	52	1.049371777	0.398986	TBX4	ENSG00000121075
17	56931218	56931628	56931393	16	23	17	1.278544924	0.211315	TBX4	ENSG00000121075
17	56931719	56932983	56932103	25	85	76	1.07098893	0.330119	TBX4	ENSG00000121075
17	56933452	56933670	56933571	8	11	13	0.821921737	0.693119	TBX4	ENSG00000121075
17	56933722	56935326	56934156	19	83	89	0.894981447	0.768013	TBX4	ENSG00000121075
17	56935553	56935783	56935668	8	11	5	1.917817386	0.0843804	TBX4	ENSG00000121075
17	56935899	56936537	56936201	12	26	24	1.035621389	0.448641	TBX4	ENSG00000121075
17	56936592	56937540	56936943	62	150	65	2.193866858	1.38E-08	TBX4	ENSG00000121075
17	56938040	56938291	56938165	15	17	18	0.908439814	0.615249	TBX4	ENSG00000121075
17	56938341	56938534	56938460	10	11	21	0.523041105	0.969287	TBX4	ENSG00000121075
17	56938538	56939450	56938908	11	37	52	0.68751944	0.962667	TBX4	ENSG00000121075
17	56939582	56940691	56940035	19	60	75	0.769650398	0.937196	TBX4	ENSG00000121075
17	56940793	56941620	56941294	25	49	43	1.089668969	0.337588	TBX4	ENSG00000121075
17	56941715	56942085	56941906	17	24	22	1.042292058	0.441692	TBX4	ENSG00000121075
17	56942126	56944503	56942625	24	153	133	1.102029394	0.204638	TBX4	ENSG00000121075
17	56944675	56944952	56944803	11	16	20	0.776259418	0.783794	TBX4	ENSG00000121075
17	56944962	56945268	56945137	12	15	13	1.095895649	0.398774	TBX4	ENSG00000121075
17	56945486	56945819	56945664	8	13	21	0.610214623	0.930478	TBX4	ENSG00000121075
17	56946407	56947081	56946804	14	36	37	0.933674254	0.616842	TBX4	ENSG00000121075
17	56947524	56947870	56947699	13	17	16	1.015315087	0.480915	TBX4	ENSG00000121075

17	56948717	56948941	56948828	8	8	12	0.663859864	0.833689	TBX4	ENSG00000121075
17	56949043	56949919	56949554	25	58	29	1.885853763	0.00173859	TBX4	ENSG00000121075
17	56950095	56951612	56951105	15	84	96	0.840280814	0.879888	TBX4	ENSG00000121075
17	56951707	56952081	56951946	8	12	16	0.733283118	0.803868	TBX4	ENSG00000121075
17	56952094	56952478	56952266	12	17	11	1.43836304	0.15834	TBX4	ENSG00000121075
17	56952720	56953760	56953185	12	40	30	1.268234078	0.156183	TBX4	ENSG00000121075
17	56954322	56954671	56954467	10	15	23	0.639272462	0.921343	TBX4	ENSG00000121075
17	56955102	56955590	56955278	14	21	28	0.727447974	0.872597	TBX4	ENSG00000121075
17	56955967	56956172	56956028	8	10	10	0.958908693	0.538751	NACA2	ENSG00000196861
17	56956209	56956514	56956346	11	15	20	0.730597099	0.831283	NACA2	ENSG00000196861
17	56957145	56959096	56958016	26	113	109	0.9937781	0.518285	NACA2	ENSG00000196861
17	56959105	56959493	56959320	9	16	18	0.857970936	0.678066	NACA2	ENSG00000196861
17	56960367	56960724	56960578	17	22	17	1.225272219	0.255726	NACA2	ENSG00000196861
17	56961032	56961942	56961550	20	49	38	1.229370119	0.164546	NACA2	ENSG00000196861
17	56962106	56962463	56962284	15	20	24	0.805483302	0.769433	NACA2	ENSG00000196861
17	56962945	56963336	56963124	10	18	14	1.214617678	0.282961	NACA2	ENSG00000196861
17	56963411	56963792	56963613	10	16	12	1.253957522	0.265012	NACA2	ENSG00000196861
17	56963828	56964284	56964000	10	21	31	0.659249726	0.936811	NACA2	ENSG00000196861
17	56964291	56964506	56964405	8	9	22	0.416916823	0.992721	NACA2	ENSG00000196861
17	56964725	56965807	56965380	18	65	80	0.781333009	0.932612	NACA2	ENSG00000196861
17	56965922	56966441	56966313	11	23	24	0.920552345	0.614165	NACA2	ENSG00000196861
17	56966469	56967811	56966640	18	62	66	0.901660413	0.722642	NACA2	ENSG00000196861
17	56968502	56969024	56968714	10	23	22	1.000600375	0.498356	NACA2	ENSG00000196861
17	56969564	56969801	56969682	11	13	12	1.0326709	0.46514	NACA2	ENSG00000196861
17	56969850	56970121	56969985	8	12	13	0.890415215	0.619237	NACA2	ENSG00000196861
17	56970568	56970925	56970746	13	19	18	1.009377572	0.487356	NACA2	ENSG00000196861
17	56971795	56972249	56971970	11	18	15	1.138704073	0.348127	NACA2	ENSG00000196861
17	56973882	56974080	56973962	8	9	12	0.737622072	0.769563	NACA2	ENSG00000196861
17	56974409	56974761	56974585	13	19	15	1.198635866	0.291044	NACA2	ENSG00000196861
17	56975035	56975248	56975128	10	10	13	0.753428259	0.762589	NACA2	ENSG00000196861
17	56975494	56975718	56975573	8	10	6	1.506856518	0.188853	NACA2	ENSG00000196861
17	56977698	56977929	56977813	10	11	15	0.71918152	0.81018	NACA2	ENSG00000196861
17	56978406	56978776	56978597	10	17	12	1.327719729	0.212795	NACA2	ENSG00000196861
17	56978979	56979197	56979088	8	11	10	1.046082211	0.455063	NACA2	ENSG00000196861

17	56979298	56979630	56979464	14	19	13	1.369869562	0.177863	NACA2	ENSG00000196861
17	56981395	56981753	56981574	9	15	11	1.278544924	0.254978	NACA2	ENSG00000196861
17	56981826	56982734	56982109	16	44	54	0.784561658	0.887657	NACA2	ENSG00000196861
17	56982755	56984051	56983612	42	116	71	1.558226626	0.00130641	NACA2	ENSG00000196861
17	56984962	56985267	56985108	8	13	19	0.671236085	0.87814	NACA2	ENSG00000196861
17	56985270	56985684	56985449	9	19	32	0.581156784	0.97504	NACA2	ENSG00000196861
17	56985689	56985896	56985792	10	12	12	0.958908693	0.542188	NACA2	ENSG00000196861
17	56986002	56986791	56986486	14	35	28	1.190369412	0.239964	NACA2	ENSG00000196861
17	56986854	56987803	56987557	38	94	94	0.958908693	0.613631	NACA2	ENSG00000196861
17	56988089	56988377	56988239	13	17	15	1.07877228	0.410615	NACA2	ENSG00000196861
17	56988392	56989103	56988615	23	57	60	0.911749249	0.692996	NACA2	ENSG00000196861
17	56989194	56989447	56989333	10	12	24	0.49863252	0.982718	NACA2	ENSG00000196861
17	56989522	56989763	56989642	9	12	14	0.831054201	0.689281	NACA2	ENSG00000196861
17	56989962	56990272	56990117	14	17	19	0.863017824	0.676008	NACA2	ENSG00000196861
17	56990305	56990837	56990571	12	25	34	0.712332172	0.907472	NACA2	ENSG00000196861
17	56991173	56991454	56991299	8	12	8	1.385090334	0.219216	NACA2	ENSG00000196861
17	56991494	56992017	56991695	14	29	24	1.150690432	0.299765	NACA2	ENSG00000196861
17	56992280	56992814	56992595	16	33	30	1.051706309	0.418347	NACA2	ENSG00000196861
17	56993138	56993401	56993248	9	12	9	1.246581301	0.295061	NACA2	ENSG00000196861
17	56993430	56994317	56993874	11	38	62	0.593610143	0.995446	NACA2	ENSG00000196861
17	56994386	56994977	56994663	12	28	29	0.92694507	0.614695	NACA2	ENSG00000196861
17	56995612	56996146	56995791	13	30	27	1.06164891	0.407875	NACA2	ENSG00000196861
17	56996971	56997490	56997311	20	34	38	0.860559084	0.741368	NACA2	ENSG00000196861
17	56999139	57001776	57000914	94	247	148	1.596035945	2.27E-06	NACA2	ENSG00000196861
17	57002125	57002345	57002235	8	10	13	0.753428259	0.762589	NACA2	ENSG00000196861
17	57002400	57002617	57002508	9	10	18	0.555157664	0.945639	NACA2	ENSG00000196861
17	57002803	57003478	57003303	13	32	34	0.904113911	0.661443	NACA2	ENSG00000196861
17	57003721	57004250	57003900	11	26	16	1.52297263	0.0820811	NACA2	ENSG00000196861
17	57004446	57004734	57004567	10	14	13	1.027402171	0.469541	NACA2	ENSG00000196861
17	57004928	57005389	57005266	9	19	19	0.958908693	0.552451	NACA2	ENSG00000196861
17	57005452	57006512	57006143	18	65	60	1.037507766	0.417112	NACA2	ENSG00000196861
17	57006675	57008041	57007256	47	135	99	1.304115823	0.0211303	NACA2	ENSG00000196861
17	57008081	57008655	57008390	10	25	35	0.692545167	0.925864	NACA2	ENSG00000196861
17	57008933	57009326	57009112	9	18	14	1.214617678	0.282961	NACA2	ENSG00000196861

17	57009889	57010604	57010425	16	35	41	0.821921737	0.807296	NACA2	ENSG00000196861
17	57010634	57011089	57010813	15	25	23	1.038817751	0.445246	NACA2	ENSG00000196861
17	57011603	57011956	57011779	10	16	28	0.562118889	0.973627	NACA2	ENSG00000196861
17	57012022	57013993	57012262	21	111	113	0.942085734	0.673039	NACA2	ENSG00000196861
17	57014237	57014647	57014535	9	15	16	0.902502299	0.616352	NACA2	ENSG00000196861
17	57014726	57015804	57015529	23	67	64	1.003166017	0.492223	NACA2	ENSG00000196861
17	57016594	57017698	57017142	11	45	52	0.832260375	0.81989	NACA2	ENSG00000196861
17	57017841	57018710	57018334	12	37	33	1.07172148	0.383257	NACA2	ENSG00000196861
17	57018907	57019850	57019586	13	40	49	0.786305128	0.874522	NACA2	ENSG00000196861
17	57019873	57020251	57020052	16	24	39	0.599317933	0.979769	NACA2	ENSG00000196861
17	57020277	57021149	57020533	15	44	57	0.743980883	0.933197	NACA2	ENSG00000196861
17	57021462	57022594	57021973	16	62	80	0.745817872	0.960573	NACA2	ENSG00000196861
17	57022785	57023068	57022898	11	14	13	1.027402171	0.469541	NACA2	ENSG00000196861
17	57023161	57023830	57023495	12	31	40	0.748416541	0.89237	NACA2	ENSG00000196861
17	57024037	57025182	57024316	14	62	58	1.023919452	0.447411	NACA2	ENSG00000196861
17	57025310	57026093	57025584	15	41	47	0.839045106	0.797875	NACA2	ENSG00000196861
17	57026684	57027047	57026868	17	24	15	1.498294833	0.0979832	NACA2	ENSG00000196861
17	57027117	57027594	57027288	9	17	20	0.821921737	0.731032	NACA2	ENSG00000196861
17	57027598	57028920	57027876	18	78	94	0.797408282	0.932271	NACA2	ENSG00000196861
17	57029272	57029502	57029399	10	11	8	1.278544924	0.28289	NACA2	ENSG00000196861
17	57029644	57030084	57029905	16	28	25	1.069552004	0.40018	NACA2	ENSG00000196861
17	57030147	57030521	57030324	17	25	25	0.958908693	0.559837	NACA2	ENSG00000196861
17	57030746	57032287	57031345	18	87	85	0.981208895	0.549477	NACA2	ENSG00000196861
17	57032296	57033176	57032892	19	54	63	0.824062158	0.854657	NACA2	ENSG00000196861
17	57033704	57033905	57033804	8	9	14	0.639272462	0.869513	NACA2	ENSG00000196861
17	57034639	57035472	57035184	17	47	43	1.046082211	0.413574	NACA2	ENSG00000196861
17	57036202	57036437	57036289	8	10	11	0.878999635	0.622439	NACA2	ENSG00000196861
17	57037009	57037536	57037173	16	28	26	1.029938967	0.455006	NACA2	ENSG00000196861
17	57038025	57038329	57038188	8	10	7	1.318499453	0.269217	NACA2	ENSG00000196861
17	57038713	57039120	57038887	10	19	25	0.737622072	0.849755	NACA2	ENSG00000196861
17	57039145	57039363	57039307	10	12	16	0.733283118	0.803868	NACA2	ENSG00000196861
17	57042106	57044074	57043498	13	78	77	0.971202394	0.572374	NACA2	ENSG00000196861
17	57044222	57044841	57044547	14	33	40	0.795192575	0.839981	NACA2	ENSG00000196861
17	57044994	57045240	57045127	8	9	13	0.684934781	0.824961	NACA2	ENSG00000196861

17	57045498	57045693	57045573	9	9	9	0.958908693	0.536911	NACA2	ENSG00000196861
17	57046104	57046885	57046275	11	31	12	2.360390629	0.0028142	NACA2	ENSG00000196861
17	57047824	57048540	57048190	17	41	38	1.0326709	0.441606	NACA2	ENSG00000196861
17	57048551	57049236	57048937	14	33	25	1.253957522	0.189413	NACA2	ENSG00000196861
17	57049296	57050023	57049703	14	42	32	1.249487085	0.165244	NACA2	ENSG00000196861
17	57050096	57050664	57050251	11	24	15	1.498294833	0.0979832	NACA2	ENSG00000196861
17	57050692	57051035	57050868	8	13	9	1.34247217	0.232231	NACA2	ENSG00000196861
17	57051101	57051366	57051259	12	14	14	0.958908693	0.545362	NACA2	ENSG00000196861
17	57051452	57051924	57051745	19	31	26	1.136484377	0.310077	NACA2	ENSG00000196861
17	57052121	57052411	57052271	8	11	20	0.547947825	0.956941	NACA2	ENSG00000196861
17	57052985	57055515	57054658	68	238	106	2.141861473	4.82E-12	NACA2	ENSG00000196861
17	57055855	57056354	57056018	10	21	21	0.958908693	0.555026	NACA2	ENSG00000196861
17	57056370	57056869	57056549	12	26	13	1.849323908	0.0263429	NACA2	ENSG00000196861
17	57057651	57057985	57057818	12	18	10	1.656296833	0.0841786	NACA2	ENSG00000196861
17	57058244	57058844	57058423	12	27	25	1.0326709	0.45189	NACA2	ENSG00000196861
17	57059249	57059786	57059517	14	26	13	1.849323908	0.0263429	NACA2	ENSG00000196861
17	57059877	57060172	57060024	10	16	16	0.958908693	0.548325	NACA2	ENSG00000196861
17	57061301	57061689	57061480	8	16	17	0.905635988	0.615736	NACA2	ENSG00000196861
17	57061797	57062043	57061920	9	10	11	0.878999635	0.622439	NACA2	ENSG00000196861
17	57062421	57062655	57062515	10	12	19	0.62329065	0.912804	NACA2	ENSG00000196861
17	57062757	57063298	57063119	13	25	27	0.890415215	0.665585	NACA2	ENSG00000196861
17	57063882	57064403	57064049	12	23	14	1.534253909	0.0910901	NACA2	ENSG00000196861
17	57065549	57065833	57065671	9	13	12	1.0326709	0.46514	NACA2	ENSG00000196861
17	57067017	57067564	57067192	9	22	38	0.565510255	0.986837	NACA2	ENSG00000196861
17	57067693	57068730	57068283	44	101	76	1.270242684	0.0552125	NACA2	ENSG00000196861
17	57068821	57069210	57069000	16	23	18	1.211253086	0.262955	NACA2	ENSG00000196861
17	57069974	57070315	57070088	8	12	11	1.038817751	0.460341	NACA2	ENSG00000196861
17	57070480	57070683	57070581	9	10	8	1.171999514	0.35773	NACA2	ENSG00000196861
17	57072262	57072463	57072362	8	9	10	0.871735176	0.624623	NACA2	ENSG00000196861
17	57073177	57073569	57073303	9	16	15	1.018840486	0.477384	NACA2	ENSG00000196861
17	57073918	57074615	57074436	13	33	31	1.018840486	0.468915	NACA2	ENSG00000196861
17	57074979	57075238	57075108	8	10	15	0.659249726	0.861705	NACA2	ENSG00000196861
17	57075599	57075920	57075759	11	16	23	0.679226991	0.892598	NACA2	ENSG00000196861
17	57076064	57076803	57076602	16	42	27	1.472609779	0.0523794	NACA2	ENSG00000196861

17	57076929	57077122	57077089	8	10	13	0.753428259	0.762589	NACA2	ENSG00000196861
17	57077138	57077709	57077449	15	32	35	0.878999635	0.704375	NACA2	ENSG00000196861
17	57078021	57078391	57078212	10	17	17	0.958908693	0.549739	NACA2	ENSG00000196861
17	57078721	57079288	57079099	14	26	35	0.71918152	0.904742	NACA2	ENSG00000196861
17	57079739	57080194	57079876	11	19	12	1.475244143	0.131365	NACA2	ENSG00000196861
17	57080992	57081692	57081533	11	29	29	0.958908693	0.564279	NACA2	ENSG00000196861
17	57081793	57082361	57081972	10	24	25	0.922027589	0.614196	NACA2	ENSG00000196861
17	57082451	57083342	57083045	24	59	60	0.943188878	0.626091	NACA2	ENSG00000196861
17	57083853	57085150	57084655	21	75	78	0.922494439	0.692303	NACA2	ENSG00000196861
17	57086084	57086472	57086311	11	19	19	0.958908693	0.552451	NACA2	ENSG00000196861
17	57086585	57087276	57087017	11	25	31	0.779113313	0.829763	NACA2	ENSG00000196861
17	57087643	57087933	57087759	10	13	19	0.671236085	0.87814	NACA2	ENSG00000196861
17	57088110	57088304	57088207	9	10	2	3.515998541	0.0136204	NACA2	ENSG00000196861
17	57088332	57088648	57088490	8	9	10	0.871735176	0.624623	NACA2	ENSG00000196861
17	57088844	57089293	57089017	12	22	27	0.787674998	0.803855	NACA2	ENSG00000196861
17	57090707	57091590	57091350	15	44	52	0.814167758	0.845921	NACA2	ENSG00000196861
17	57091856	57092333	57092035	9	19	26	0.710302736	0.88	NACA2	ENSG00000196861
17	57092646	57092877	57092761	9	10	18	0.555157664	0.945639	NACA2	ENSG00000196861
17	57092924	57093326	57093136	13	22	33	0.648673528	0.948418	NACA2	ENSG00000196861
17	57093511	57094219	57093965	13	31	42	0.713606469	0.927912	NACA2	ENSG00000196861
17	57094298	57095756	57095577	18	82	66	1.187901814	0.145695	NACA2	ENSG00000196861
17	57095942	57096361	57096104	11	21	19	1.054799562	0.429896	NACA2	ENSG00000196861
17	57100280	57100845	57100582	12	29	28	0.99197451	0.511702	NACA2	ENSG00000196861
17	57100870	57101420	57101243	11	25	48	0.508808694	0.997964	NACA2	ENSG00000196861
17	57101753	57102180	57101943	19	33	21	1.481949798	0.0712625	NACA2	ENSG00000196861
17	57102790	57103633	57103172	12	37	43	0.828148417	0.803892	NACA2	ENSG00000196861
17	57104265	57104755	57104506	19	32	34	0.904113911	0.661443	NACA2	ENSG00000196861
17	57104777	57105042	57104931	11	13	24	0.536988868	0.972726	NACA2	ENSG00000196861
17	57110443	57111765	57111216	16	73	54	1.29016806	0.074361	NACA2	ENSG00000196861
17	57112136	57112334	57112235	8	10	5	1.757999271	0.121253	NACA2	ENSG00000196861
17	57112351	57112623	57112482	12	15	6	2.191791298	0.0328001	NACA2	ENSG00000196861
17	57112789	57113160	57112950	8	13	9	1.34247217	0.232231	NACA2	ENSG00000196861
17	57113196	57114054	57113636	10	34	35	0.93227234	0.616206	NACA2	ENSG00000196861
17	57114843	57115195	57115032	8	12	16	0.733283118	0.803868	NACA2	ENSG00000196861

17	57115386	57116661	57116102	14	65	62	1.004571012	0.489146	NACA2	ENSG00000196861
17	57117133	57117374	57117253	9	13	17	0.745817872	0.798145	NACA2	ENSG00000196861
17	57117656	57117980	57117818	11	15	22	0.667066917	0.897252	NACA2	ENSG00000196861
17	57118110	57118412	57118261	11	14	22	0.625375235	0.925815	NACA2	ENSG00000196861
17	57118827	57119723	57119467	14	43	37	1.110315329	0.316685	NACA2	ENSG00000196861
17	57119795	57120349	57120151	11	27	41	0.639272462	0.968806	NACA2	ENSG00000196861
17	57120747	57121061	57120963	10	14	23	0.599317933	0.944443	NACA2	ENSG00000196861
17	57121383	57121778	57121599	9	17	25	0.663859864	0.912943	NACA2	ENSG00000196861
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17	57122444	57122765	57122612	10	15	15	0.958908693	0.546868	NACA2	ENSG00000196861
17	57124132	57124680	57124388	15	28	30	0.897043616	0.663432	NACA2	ENSG00000196861
17	57125174	57125478	57125321	12	13	14	0.894981447	0.618069	NACA2	ENSG00000196861
17	57125568	57125984	57125706	9	14	18	0.757033179	0.792932	NACA2	ENSG00000196861
17	57126297	57126630	57126454	9	13	20	0.639272462	0.907338	NACA2	ENSG00000196861
17	57126707	57126993	57126850	14	16	18	0.857970936	0.678066	NACA2	ENSG00000196861
17	57127078	57127489	57127257	8	16	24	0.652057911	0.917054	NACA2	ENSG00000196861
17	57127700	57127996	57127843	8	11	8	1.278544924	0.28289	NACA2	ENSG00000196861
17	57128259	57128474	57128425	8	11	16	0.676876725	0.854566	NACA2	ENSG00000196861
17	57128540	57128741	57128640	8	11	4	2.301380863	0.0459276	NACA2	ENSG00000196861
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17	57130100	57130341	57130235	9	11	9	1.150690432	0.367789	NACA2	ENSG00000196861
17	57130344	57130791	57130523	11	21	24	0.84383965	0.72062	NACA2	ENSG00000196861
17	57131027	57131325	57131192	10	11	10	1.046082211	0.455063	NACA2	ENSG00000196861
17	57131693	57132923	57131872	17	63	91	0.667066917	0.994047	NACA2	ENSG00000196861
17	57133463	57134245	57133642	14	37	29	1.214617678	0.210365	NACA2	ENSG00000196861
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17	57135680	57136031	57135855	11	17	12	1.327719729	0.212795	NACA2	ENSG00000196861
17	57136157	57136643	57136315	9	17	15	1.07877228	0.410615	NACA2	ENSG00000196861
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17	57138873	57139584	57139405	13	33	31	1.018840486	0.468915	NACA2	ENSG00000196861
17	57140425	57141482	57140908	21	57	47	1.158681337	0.223457	NACA2	ENSG00000196861
17	57142222	57142739	57142480	15	28	22	1.209058787	0.245294	NACA2	ENSG00000196861

17	57143531	57143744	57143692	9	10	15	0.659249726	0.861705	NACA2	ENSG00000196861
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17	57148089	57148434	57148261	10	15	26	0.568242188	0.9671	NACA2	ENSG00000196861
17	57148718	57149118	57148854	10	16	18	0.857970936	0.678066	NACA2	ENSG00000196861
17	57149171	57149486	57149362	8	12	7	1.558226626	0.152813	NACA2	ENSG00000196861
17	57149623	57149813	57149713	10	11	12	0.885146486	0.620672	NACA2	ENSG00000196861
17	57150085	57151030	57150453	17	56	43	1.242222625	0.137688	NACA2	ENSG00000196861
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17	57153719	57153968	57153857	10	13	14	0.894981447	0.618069	NACA2	ENSG00000196861
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17	57155065	57156278	57155451	32	106	101	1.005914021	0.482586	NACA2	ENSG00000196861
17	57156359	57157628	57157038	17	57	70	0.783333862	0.917269	NACA2	ENSG00000196861
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17	57168058	57168265	57168161	10	11	9	1.150690432	0.367789	BRIP1	ENSG00000136492
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17	57171794	57173602	57172521	11	74	74	0.958908693	0.601222	BRIP1	ENSG00000136492
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17	57174858	57175718	57175288	16	36	29	1.182654055	0.244956	BRIP1	ENSG00000136492
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17	57180371	57180797	57180618	12	19	12	1.475244143	0.131365 BRIP1	ENSG00000136492
17	57182264	57183272	57182728	12	41	48	0.821921737	0.825633 BRIP1	ENSG00000136492
17	57183285	57183813	57183391	9	21	18	1.110315329	0.366889 BRIP1	ENSG00000136492
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17	57184762	57185390	57184941	13	30	41	0.70776594	0.929988 BRIP1	ENSG00000136492
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17	57185928	57186884	57186223	18	54	54	0.958908693	0.586881 BRIP1	ENSG00000136492
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17	57195052	57195905	57195726	13	42	37	1.08508089	0.35552 BRIP1	ENSG00000136492
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17	57200719	57202782	57201273	17	107	88	1.163619538	0.143704 BRIP1	ENSG00000136492
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17	57207695	57208139	57207972	9	19	12	1.475244143	0.131365 BRIP1	ENSG00000136492
17	57208472	57209282	57208943	14	46	36	1.218073205	0.182357 BRIP1	ENSG00000136492
17	57209320	57209881	57209715	15	31	28	1.058106144	0.411497 BRIP1	ENSG00000136492
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17	57214774	57214974	57214916	8	9	8	1.065454103	0.442605	BRIP1	ENSG00000136492
17	57216448	57217212	57216750	22	46	35	1.251908571	0.152659	BRIP1	ENSG00000136492
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17	57218255	57218680	57218523	15	24	24	0.958908693	0.558672	BRIP1	ENSG00000136492
17	57219595	57219883	57219739	9	10	6	1.506856518	0.188853	BRIP1	ENSG00000136492
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17	57220612	57220850	57220727	8	10	8	1.171999514	0.35773	BRIP1	ENSG00000136492
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17	57226312	57226805	57226652	10	21	23	0.878999635	0.669714	BRIP1	ENSG00000136492
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17	57228834	57229601	57229265	10	30	43	0.675594761	0.954874	BRIP1	ENSG00000136492
17	57229610	57230069	57229789	12	21	24	0.84383965	0.72062	BRIP1	ENSG00000136492
17	57230396	57230720	57230572	8	12	6	1.78083043	0.0985525	BRIP1	ENSG00000136492
17	57231208	57233008	57232097	19	112	88	1.217490813	0.0812429	BRIP1	ENSG00000136492
17	57233121	57234543	57233569	16	68	66	0.987532833	0.528765	BRIP1	ENSG00000136492
17	57235107	57235524	57235286	13	21	13	1.506856518	0.109266	BRIP1	ENSG00000136492
17	57236105	57236367	57236222	10	12	10	1.133255728	0.37674	BRIP1	ENSG00000136492
17	57236889	57238010	57237772	21	59	47	1.198635866	0.172804	BRIP1	ENSG00000136492
17	57238048	57238850	57238233	18	42	43	0.937115314	0.618997	BRIP1	ENSG00000136492
17	57238998	57239339	57239168	8	14	15	0.8989769	0.617119	BRIP1	ENSG00000136492
17	57239466	57239660	57239541	10	10	8	1.171999514	0.35773	BRIP1	ENSG00000136492
17	57240293	57241143	57240768	9	29	47	0.599317933	0.987534	BRIP1	ENSG00000136492
17	57241890	57242369	57242147	10	21	35	0.585999757	0.978277	BRIP1	ENSG00000136492
17	57242525	57242947	57242788	9	16	7	2.037680973	0.0400399	BRIP1	ENSG00000136492
17	57243208	57243389	57243307	9	9	8	1.065454103	0.442605	BRIP1	ENSG00000136492
17	57244102	57244469	57244280	14	20	19	1.006854128	0.490315	BRIP1	ENSG00000136492

17	57244573	57244821	57244728	9	13	17	0.745817872	0.798145	BRIP1	ENSG00000136492
17	57245264	57245805	57245487	8	20	20	0.958908693	0.553754	BRIP1	ENSG00000136492
17	57245890	57246183	57246029	11	13	19	0.671236085	0.87814	BRIP1	ENSG00000136492
17	57246241	57246463	57246352	8	10	23	0.439499818	0.991202	BRIP1	ENSG00000136492
17	57246740	57247081	57246910	10	16	9	1.630144778	0.102169	BRIP1	ENSG00000136492
17	57247255	57247584	57247410	17	21	28	0.727447974	0.872597	BRIP1	ENSG00000136492
17	57247757	57249383	57247936	22	108	88	1.174393793	0.129019	BRIP1	ENSG00000136492
17	57249426	57250738	57250556	16	63	36	1.658652874	0.00611211	BRIP1	ENSG00000136492
17	57252247	57252911	57252590	17	30	30	0.958908693	0.565341	BRIP1	ENSG00000136492
17	57253830	57254379	57254009	12	26	36	0.699744181	0.923312	BRIP1	ENSG00000136492
17	57254484	57254754	57254612	11	12	22	0.54199187	0.965779	BRIP1	ENSG00000136492
17	57254899	57256051	57255157	12	52	47	1.058795015	0.386127	BRIP1	ENSG00000136492
17	57256208	57256702	57256387	9	19	16	1.128127874	0.354788	BRIP1	ENSG00000136492
17	57256824	57257151	57257003	11	16	7	2.037680973	0.0400399	BRIP1	ENSG00000136492
17	57259857	57260119	57259971	8	11	13	0.821921737	0.693119	BRIP1	ENSG00000136492
17	57260706	57261279	57261016	11	25	17	1.385090334	0.139369	BRIP1	ENSG00000136492
17	57262847	57263186	57263016	8	14	12	1.106433107	0.392094	BRIP1	ENSG00000136492
17	57263190	57263475	57263367	12	16	15	1.018840486	0.477384	BRIP1	ENSG00000136492
17	57264665	57265303	57264844	16	32	34	0.904113911	0.661443	BRIP1	ENSG00000136492
17	57265312	57265584	57265406	9	12	19	0.62329065	0.912804	BRIP1	ENSG00000136492
17	57265716	57267262	57265882	55	138	73	1.801193356	1.36E-05	BRIP1	ENSG00000136492
17	57267405	57267864	57267725	9	18	22	0.792141964	0.776057	BRIP1	ENSG00000136492
17	57267947	57268345	57268126	12	19	14	1.278544924	0.231514	BRIP1	ENSG00000136492
17	57268458	57268841	57268634	11	19	12	1.475244143	0.131365	BRIP1	ENSG00000136492
17	57268869	57269753	57269497	38	84	67	1.198635866	0.131184	BRIP1	ENSG00000136492
17	57270800	57270985	57270933	8	8	8	0.958908693	0.534974	BRIP1	ENSG00000136492
17	57271109	57271435	57271262	8	13	12	1.0326709	0.46514	BRIP1	ENSG00000136492
17	57271823	57272221	57272042	12	19	29	0.639272462	0.942743	BRIP1	ENSG00000136492
17	57273632	57274013	57273811	9	17	7	2.157544559	0.0276499	BRIP1	ENSG00000136492
17	57274812	57275097	57274937	14	18	14	1.214617678	0.282961	BRIP1	ENSG00000136492
17	57275552	57275946	57275731	10	17	13	1.232882605	0.274309	BRIP1	ENSG00000136492
17	57276531	57276844	57276679	13	18	24	0.728770607	0.85379	BRIP1	ENSG00000136492
17	57277223	57277588	57277402	8	14	18	0.757033179	0.792932	BRIP1	ENSG00000136492
17	57277722	57278055	57277885	9	13	20	0.639272462	0.907338	BRIP1	ENSG00000136492

17	57278680	57279719	57279278	12	50	47	1.018840486	0.462307	BRIP1	ENSG00000136492
17	57280358	57280678	57280518	13	17	19	0.863017824	0.676008	BRIP1	ENSG00000136492
17	57281033	57281544	57281304	13	25	12	1.917817386	0.0229342	BRIP1	ENSG00000136492
17	57281777	57282156	57281977	16	23	20	1.095895649	0.377643	BRIP1	ENSG00000136492
17	57283679	57284686	57284045	21	53	60	0.848869991	0.810508	BRIP1	ENSG00000136492
17	57285020	57285248	57285134	9	11	20	0.547947825	0.956941	BRIP1	ENSG00000136492
17	57285282	57285947	57285774	10	26	29	0.863017824	0.711594	BRIP1	ENSG00000136492
17	57286084	57286577	57286366	11	23	30	0.742380924	0.865876	BRIP1	ENSG00000136492
17	57286930	57287433	57287254	15	30	25	1.143314211	0.305022	BRIP1	ENSG00000136492
17	57288260	57288671	57288439	18	26	19	1.294526736	0.18689	BRIP1	ENSG00000136492
17	57288687	57288936	57288771	8	12	13	0.890415215	0.619237	BRIP1	ENSG00000136492
17	57289138	57289604	57289309	16	26	16	1.52297263	0.0820811	BRIP1	ENSG00000136492
17	57290335	57290646	57290511	11	13	11	1.118726809	0.38479	BRIP1	ENSG00000136492
17	57291286	57291851	57291627	12	28	26	1.029938967	0.455006	BRIP1	ENSG00000136492
17	57291882	57292363	57292054	9	19	25	0.737622072	0.849755	BRIP1	ENSG00000136492
17	57293296	57294401	57293865	17	63	69	0.876716519	0.777089	BRIP1	ENSG00000136492
17	57294414	57296867	57295939	51	330	195	1.619381517	2.66E-08	BRIP1	ENSG00000136492
17	57297356	57297926	57297535	11	25	26	0.923393556	0.614269	BRIP1	ENSG00000136492
17	57298393	57298619	57298506	8	10	11	0.878999635	0.622439	BRIP1	ENSG00000136492
17	57299196	57299573	57299375	11	19	24	0.767126954	0.814057	BRIP1	ENSG00000136492
17	57299849	57300299	57300028	11	22	36	0.596078377	0.976695	BRIP1	ENSG00000136492
17	57301287	57301628	57301457	12	17	29	0.575345216	0.971331		ENSG00000202361
17	57301673	57303140	57302592	14	62	70	0.850862643	0.825314		ENSG00000202361
17	57303513	57303838	57303670	8	12	11	1.038817751	0.460341		ENSG00000202361
17	57304274	57305653	57304554	19	62	47	1.25856766	0.112912		ENSG00000202361
17	57305803	57306481	57306090	19	43	40	1.029072744	0.446616		ENSG00000202361
17	57306521	57307476	57306700	10	36	41	0.844752896	0.773839		ENSG00000202361
17	57307686	57308074	57307812	10	16	14	1.086763185	0.404922		ENSG00000202361
17	57308231	57308704	57308530	11	18	25	0.700740968	0.883987		ENSG00000202361
17	57309091	57309849	57309555	18	44	41	1.027402171	0.449024		ENSG00000202361
17	57310066	57310486	57310245	11	18	31	0.569352037	0.976935		ENSG00000202361
17	57310785	57311008	57310964	9	11	6	1.643843474	0.137712		ENSG00000202361
17	57311203	57311496	57311270	13	17	28	0.595184706	0.961563		ENSG00000202361
17	57311798	57312094	57311943	8	10	14	0.703199708	0.817173		ENSG00000202361

17	57312576	57312759	57312742	8	9	5	1.598181155	0.170911	ENSG00000202361
17	57313199	57313464	57313328	11	14	21	0.653801382	0.90216	ENSG00000202361
17	57313585	57313986	57313807	11	19	16	1.128127874	0.354788	ENSG00000202361
17	57314030	57314385	57314207	11	17	23	0.71918152	0.858071	ENSG00000202361
17	57315365	57315601	57315525	10	11	15	0.71918152	0.81018	ENSG00000202361
17	57315906	57316456	57316060	12	24	21	1.089668969	0.382599	ENSG00000202361
17	57316831	57317465	57317254	14	31	48	0.626226085	0.981847	ENSG00000202361
17	57318544	57318859	57318720	13	17	22	0.750450282	0.822065	ENSG00000202361
17	57319673	57319981	57319832	9	13	10	1.220429246	0.306001	ENSG00000202361
17	57320367	57320801	57320674	8	16	16	0.958908693	0.548325	ENSG00000202361
17	57321432	57321702	57321567	8	10	12	0.811384279	0.697544	ENSG00000202361
17	57321818	57322089	57321953	12	15	26	0.568242188	0.9671	ENSG00000202361
17	57322145	57322438	57322313	11	16	31	0.509420243	0.989946	ENSG00000202361
17	57323615	57323851	57323733	12	13	13	0.958908693	0.543805	ENSG00000202361
17	57324023	57324599	57324311	11	24	41	0.570778984	0.988453	ENSG00000202361
17	57325735	57326148	57325969	17	24	20	1.141557968	0.324865	ENSG00000202361
17	57326264	57326467	57326396	8	10	9	1.054799562	0.4492	ENSG00000202361
17	57327483	57327818	57327647	11	13	5	2.237453617	0.038866	ENSG00000202361
17	57329047	57329262	57329132	11	12	6	1.78083043	0.0985525	ENSG00000202361
17	57329535	57329743	57329639	9	12	20	0.593610143	0.935335	ENSG00000202361
17	57329835	57330137	57329985	13	16	21	0.740974899	0.826507	ENSG00000202361
17	57332037	57332837	57332529	17	50	55	0.873291845	0.758606	ENSG00000202361
17	57333178	57333535	57333356	11	17	17	0.958908693	0.549739	INTS2 ENSG00000108506
17	57334042	57334794	57334479	15	42	37	1.08508089	0.35552	INTS2 ENSG00000108506
17	57335342	57336009	57335510	14	31	24	1.227403127	0.218358	INTS2 ENSG00000108506
17	57336048	57336839	57336443	9	29	42	0.669006065	0.956612	INTS2 ENSG00000108506
17	57336845	57337102	57336981	8	11	20	0.547947825	0.956941	INTS2 ENSG00000108506
17	57337689	57337876	57337782	9	10	7	1.318499453	0.269217	INTS2 ENSG00000108506
17	57338088	57338740	57338561	11	28	38	0.713034669	0.918418	INTS2 ENSG00000108506
17	57339213	57340169	57339737	17	52	42	1.181910715	0.205759	INTS2 ENSG00000108506
17	57340531	57341178	57340926	8	21	27	0.753428259	0.842351	INTS2 ENSG00000108506
17	57359573	57360147	57359823	9	21	11	1.757999271	0.0516118	INTS2 ENSG00000108506
17	57433122	57433421	57433245	9	12	8	1.385090334	0.219216	ENSG00000211085
17	57434984	57435246	57435118	11	13	24	0.536988868	0.972726	ENSG00000211085

17	57435886	57436101	57435933	9	10	15	0.659249726	0.861705	ENSG00000211085
17	57436548	57437039	57436710	14	26	30	0.835178539	0.75436	ENSG00000211085
17	57449668	57449887	57449799	10	13	14	0.894981447	0.618069	ENSG00000221302
17	57449914	57450390	57450018	9	19	16	1.128127874	0.354788	ENSG00000221302
17	57541606	57542069	57541836	16	26	9	2.589053471	0.00289627	ENSG00000207123
17	57543024	57543617	57543203	15	32	39	0.791099672	0.842107	ENSG00000207123
17	57543878	57544262	57544057	14	21	32	0.639272462	0.950953	ENSG00000207123
17	57544315	57544907	57544772	13	29	38	0.737622072	0.897076	ENSG00000207123
17	57562668	57563608	57563345	16	49	41	1.141557968	0.261779	ENSG00000207123
17	57568832	57569410	57569231	8	22	22	0.958908693	0.556268	ENSG00000207123
17	57576110	57576686	57576348	46	66	0	64.24688243	2.72E-20	ENSG00000207123
17	57596129	57596430	57596251	9	13	7	1.678090213	0.11195	ENSG00000207123
17	58135476	58135790	58135636	8	12	4	2.493162602	0.0299057	ENSG00000199697
17	58147606	58148141	58147906	81	103	8	11.08072268	7.27E-22	ENSG00000199697
17	58155762	58156161	58155990	14	21	4	4.219198249	0.000390041	ENSG00000199697
17	58163343	58163913	58163559	42	59	3	14.3836304	1.48E-14	ENSG00000199697
17	58231591	58231838	58231718	8	9	8	1.065454103	0.442605	10-Mar ENSG00000173838
17	58291994	58292309	58292151	28	31	19	1.534253909	0.0623199	10-Mar ENSG00000173838
17	58319215	58319628	58319500	10	16	6	2.328778255	0.0221113	ENSG00000207552
17	58345340	58345610	58345475	8	8	7	1.07877228	0.435076	ENSG00000207552
17	58381263	58381539	58381401	12	16	9	1.630144778	0.102169	ENSG00000207552
17	58392827	58393781	58393242	14	37	33	1.07172148	0.383257	ENSG00000207552
17	58394055	58394267	58394205	9	10	24	0.421919825	0.994085	ENSG00000207552
17	58394276	58394929	58394497	11	28	48	0.56751739	0.99331	ENSG00000207552
17	58395090	58397147	58396595	18	104	93	1.071121412	0.313435	ENSG00000207552
17	58399632	58399880	58399730	10	12	8	1.385090334	0.219216	ENSG00000207552
17	58400393	58400576	58400460	10	11	5	1.917817386	0.0843804	ENSG00000207552
17	58426451	58426818	58426554	11	16	6	2.328778255	0.0221113	TANC2 ENSG00000170921
17	58432820	58433747	58433325	16	43	40	1.029072744	0.446616	TANC2 ENSG00000170921
17	58612888	58613509	58613275	53	75	2	24.29235356	4.74E-20	TANC2 ENSG00000170921
17	58856572	58856752	58856662	8	8	4	1.726035648	0.150596	CYB561 ENSG00000008283
17	58864345	58864660	58864502	14	18	2	6.073088389	0.000157975	CYB561 ENSG00000008283
17	58878587	58878813	58878700	10	12	9	1.246581301	0.295061	CYB561 ENSG00000008283
17	58981548	58981830	58981712	10	13	14	0.894981447	0.618069	WDR68 ENSG00000136485

17	58983855	58984051	58983962	8	9	3	2.397271733	0.0539397	WDR68	ENSG00000136485
17	59031782	59032092	59031937	18	18	13	1.301376083	0.22245	CCDC44	ENSG00000136463
17	59043413	59043643	59043528	17	18	2	6.073088389	0.000157975	MAP3K3	ENSG00000198909
17	59053151	59053441	59053275	9	12	10	1.133255728	0.37674	MAP3K3	ENSG00000198909
17	59171839	59172979	59172699	11	47	18	2.422506172	0.000271503	STRADA	ENSG00000125695
17	59201286	59201599	59201442	11	14	7	1.797953799	0.0806593	CCDC47	ENSG00000108588
17	59204828	59205168	59204989	13	18	7	2.277408146	0.0188653	DDX42	ENSG00000198231
17	59211803	59211993	59211898	9	9	8	1.065454103	0.442605	DDX42	ENSG00000198231
17	59212140	59212319	59212207	8	8	4	1.726035648	0.150596	DDX42	ENSG00000198231
17	59223479	59223744	59223632	8	9	5	1.598181155	0.170911	DDX42	ENSG00000198231
17	59259083	59259274	59259179	8	8	0	8.630178238	0.00235436	PSMC5	ENSG00000087191
17	59259302	59259523	59259461	9	10	2	3.515998541	0.0136204	PSMC5	ENSG00000087191
17	59266016	59266261	59266098	9	10	2	3.515998541	0.0136204	PSMC5	ENSG00000087191
17	59269775	59269996	59269905	8	9	6	1.369869562	0.253675	SMARCD2	ENSG00000108604
17	59273772	59274086	59273913	19	23	10	2.092164421	0.0165595	SMARCD2	ENSG00000108604
17	59440212	59440415	59440362	8	9	1	4.794543465	0.00708517	ICAM2	ENSG00000108622
17	59456710	59457047	59456877	8	11	8	1.278544924	0.28289	ICAM2	ENSG00000108622
17	59460089	59460400	59460244	9	12	3	3.116453252	0.0131971	ICAM2	ENSG00000108622
17	59460402	59460627	59460496	8	10	1	5.273997812	0.00391723	ICAM2	ENSG00000108622
17	59511655	59511936	59511795	8	10	4	2.109599125	0.0694668	ERN1	ENSG00000178607
17	59537192	59537371	59537257	8	8	0	8.630178238	0.00235436	ERN1	ENSG00000178607
17	59576677	59576928	59576802	9	11	9	1.150690432	0.367789		ENSG00000199753
17	59649103	59649336	59649243	8	9	2	3.19636231	0.0229249	TEX2	ENSG00000136478
17	59678666	59678849	59678741	8	8	3	2.157544559	0.0836802	TEX2	ENSG00000136478
17	59742607	59742798	59742702	8	8	9	0.863017824	0.627343		ENSG00000220588
17	59744664	59745512	59744843	13	37	35	1.012181398	0.478474		ENSG00000220588
17	59746004	59746323	59746163	9	12	7	1.558226626	0.152813		ENSG00000220588
17	59746339	59746618	59746481	12	15	18	0.807502057	0.737835		ENSG00000220588
17	59747461	59747961	59747632	13	22	14	1.470326663	0.117149		ENSG00000220588
17	59750325	59750567	59750446	8	10	7	1.318499453	0.269217		ENSG00000220588
17	59750584	59750833	59750729	10	12	12	0.958908693	0.542188		ENSG00000220588
17	59751558	59752709	59752384	26	72	60	1.147546469	0.212323		ENSG00000220588
17	59752911	59753447	59753087	13	24	13	1.712336952	0.0480623		ENSG00000220588
17	59753498	59753770	59753639	10	12	6	1.78083043	0.0985525		ENSG00000220588

17	59754523	59755060	59754929	14	24	24	0.958908693	0.558672	ENSG00000220588
17	59756744	59757231	59757052	11	21	19	1.054799562	0.429896	ENSG00000220588
17	59757845	59758380	59758024	11	24	30	0.773313462	0.832666	ENSG00000220588
17	59758488	59759230	59758777	16	45	21	2.004990904	0.00262929	ENSG00000220588
17	59759412	59760024	59759591	11	25	28	0.859711242	0.713133	ENSG00000220588
17	59760352	59760682	59760517	10	16	19	0.815072389	0.734271	ENSG00000220588
17	59762033	59762267	59762144	9	11	18	0.605626543	0.918575	ENSG00000220588
17	59763064	59763826	59763243	17	36	35	0.985545046	0.524285	ENSG00000220588
17	59765151	59765575	59765322	9	17	27	0.616441303	0.948982	ENSG00000220588
17	59765828	59766428	59766225	12	28	19	1.390417605	0.124062	ENSG00000220588
17	59768230	59768824	59768555	11	29	44	0.639272462	0.973089	PECAM1 ENSG00000198802
17	59770337	59770774	59770562	13	24	24	0.958908693	0.558672	PECAM1 ENSG00000198802
17	59771119	59771677	59771498	14	27	26	0.99442383	0.507579	PECAM1 ENSG00000198802
17	59772540	59772736	59772689	10	11	7	1.43836304	0.204844	PECAM1 ENSG00000198802
17	59773159	59773366	59773267	10	12	4	2.493162602	0.0299057	PECAM1 ENSG00000198802
17	59773964	59774251	59774097	9	13	13	0.958908693	0.543805	PECAM1 ENSG00000198802
17	59775095	59775754	59775219	9	26	26	0.958908693	0.560979	PECAM1 ENSG00000198802
17	59775775	59776051	59775913	9	14	25	0.553216554	0.969907	PECAM1 ENSG00000198802
17	59777246	59777433	59777273	10	10	9	1.054799562	0.4492	PECAM1 ENSG00000198802
17	59777800	59777997	59777909	8	9	14	0.639272462	0.869513	PECAM1 ENSG00000198802
17	59923741	59923936	59923839	8	8	6	1.232882605	0.333038	POLG2 ENSG00000136480
17	59931937	59932290	59932113	11	16	6	2.328778255	0.0221113	CCDC45 ENSG00000141325
17	59932909	59933632	59933291	10	27	9	2.684944341	0.00192568	DDX5 ENSG00000108654
17	60106463	60106897	60106597	8	15	3	3.835634772	0.00291691	SMURF2 ENSG00000108854
17	60388428	60388616	60388593	8	10	0	10.54799562	0.000613541	ENSG00000204399
17	60401374	60402241	60401596	25	53	6	7.397295632	1.32E-10	ENSG00000204399
17	60411760	60412042	60411901	12	15	2	5.114179696	0.00088103	ENSG00000214174
17	60418956	60419272	60419105	16	17	4	3.452071295	0.00292757	ENSG00000214174
17	60484931	60485625	60485385	71	110	10	9.676260448	4.25E-22	GNA13 ENSG00000120063
17	60491037	60491293	60491154	11	14	3	3.595907599	0.00486913	GNA13 ENSG00000120063
17	60497194	60497375	60497319	9	9	3	2.397271733	0.0539397	ENSG00000211170
17	60506321	60506505	60506360	8	9	1	4.794543465	0.00708517	ENSG00000211170
17	60550048	60550269	60550129	9	9	8	1.065454103	0.442605	RGS9 ENSG00000108370
17	60625286	60625483	60625384	8	9	3	2.397271733	0.0539397	RGS9 ENSG00000108370

17	60765733	60765926	60765820	9	9	2	3.19636231	0.0229249	RGS9	ENSG00000108370
17	60789573	60789836	60789695	8	12	4	2.493162602	0.0299057	AXIN2	ENSG00000168646
17	60996114	60996334	60996260	8	9	0	9.589086931	0.00120187	AXIN2	ENSG00000168646
17	61054874	61055253	61055032	13	19	5	3.19636231	0.00280933	AXIN2	ENSG00000168646
17	61315524	61315809	61315666	11	14	3	3.595907599	0.00486913	CCDC46	ENSG00000154240
17	61427145	61427500	61427322	9	15	5	2.557089848	0.0169197	CCDC46	ENSG00000154240
17	61554077	61554278	61554177	9	9	1	4.794543465	0.00708517	CCDC46	ENSG00000154240
17	61681707	61681948	61681817	9	11	2	3.835634772	0.00800699		ENSG00000211172
17	61722861	61723150	61723005	14	17	4	3.452071295	0.00292757	PRKCA	ENSG00000154229
17	61934167	61934478	61934330	11	14	2	4.794543465	0.00154571		ENSG00000211176
17	61993898	61994097	61993986	10	11	5	1.917817386	0.0843804		ENSG00000211176
17	61994219	61994661	61994535	8	15	6	2.191791298	0.0328001		ENSG00000211176
17	62079868	62080047	62080010	9	10	0	10.54799562	0.000613541		ENSG00000211176
17	62088009	62088362	62088185	13	18	5	3.036544195	0.0044641		ENSG00000211176
17	62093133	62093331	62093232	8	8	0	8.630178238	0.00235436		ENSG00000211176
17	62100442	62100820	62100682	10	15	6	2.191791298	0.0328001		ENSG00000211176
17	62103014	62103497	62103167	19	30	6	4.246595641	3.49E-05		ENSG00000211176
17	62142426	62142745	62142584	11	14	6	2.054804342	0.0480281		ENSG00000207943
17	62333322	62333544	62333466	9	10	4	2.109599125	0.0694668	CACNG5	ENSG00000075429
17	62378253	62378463	62378358	8	9	4	1.917817386	0.103282	CACNG4	ENSG00000075461
17	62378832	62379098	62378965	8	11	9	1.150690432	0.367789	CACNG4	ENSG00000075461
17	62639686	62640003	62639834	8	12	2	4.155271003	0.0046638		ENSG00000213180
17	62671994	62672303	62672156	9	13	2	4.474907234	0.00269459	HELZ	ENSG00000198265
17	62673284	62673533	62673449	9	12	5	2.077635502	0.0577144	HELZ	ENSG00000198265
17	62803053	62803236	62803193	8	8	6	1.232882605	0.333038	PITPNC1	ENSG00000154217
17	62902062	62902439	62902190	8	14	7	1.797953799	0.0806593		ENSG00000207688
17	62909194	62909514	62909350	8	12	5	2.077635502	0.0577144		ENSG00000207688
17	62914108	62914342	62914220	9	10	2	3.515998541	0.0136204		ENSG00000207688
17	62934349	62934739	62934525	8	15	1	7.671269544	0.000187863		ENSG00000207688
17	63064401	63064937	63064652	16	30	10	2.702379044	0.00113582	NOL11	ENSG00000130935
17	63098208	63098412	63098290	8	9	0	9.589086931	0.00120187	NOL11	ENSG00000130935
17	63115963	63116394	63116142	8	15	4	3.068507818	0.0076507	NOL11	ENSG00000130935
17	63144083	63144875	63144406	21	45	22	1.917817386	0.00412726	NOL11	ENSG00000130935
17	63145181	63145471	63145340	9	12	6	1.78083043	0.0985525	NOL11	ENSG00000130935

17	63148809	63149129	63148969	8	10	2	3.515998541	0.0136204	NOL11	ENSG00000130935
17	63446274	63446659	63446453	23	31	11	2.557089848	0.00150051	KPNA2	ENSG00000182481
17	63462202	63462444	63462334	12	15	6	2.191791298	0.0328001	KPNA2	ENSG00000182481
17	63737036	63737267	63737099	8	9	0	9.589086931	0.00120187	AMZ2	ENSG00000196704
17	63756179	63756532	63756356	17	22	3	5.513724985	6.69E-05	AMZ2	ENSG00000196704
17	63800373	63800697	63800537	11	14	5	2.397271733	0.0258078	SLC16A6	ENSG00000108932
17	63943764	63944017	63943938	11	14	4	2.876726079	0.01219		ENSG00000207561
17	63944152	63944359	63944255	8	8	6	1.232882605	0.333038		ENSG00000207561
17	63965538	63965819	63965687	8	11	5	1.917817386	0.0843804	WIPI1	ENSG00000070540
17	63973877	63974177	63974019	12	15	4	3.068507818	0.0076507	WIPI1	ENSG00000070540
17	63980865	63981135	63981000	8	9	1	4.794543465	0.00708517	WIPI1	ENSG00000070540
17	64005360	64005666	64005517	10	13	4	2.684944341	0.01921	PRKAR1A	ENSG00000108946
17	64019773	64020100	64019975	8	13	3	3.356180426	0.00805599	PRKAR1A	ENSG00000108946
17	64122510	64122693	64122621	9	9	2	3.19636231	0.0229249	FAM20A	ENSG00000108950
17	64205374	64206117	64205703	69	113	3	27.32889775	1.61E-29	FAM20A	ENSG00000108950
17	64267674	64268027	64267848	11	16	8	1.811271976	0.0663685	FAM20A	ENSG00000108950
17	64279682	64279993	64279837	12	14	2	4.794543465	0.00154571	FAM20A	ENSG00000108950
17	64357452	64357882	64357631	11	18	5	3.036544195	0.0044641	ABCA8	ENSG00000141338
17	64566012	64566224	64566118	10	11	3	2.876726079	0.0213797	ABCA9	ENSG00000154258
17	64592634	64592925	64592778	8	10	7	1.318499453	0.269217	ABCA9	ENSG00000154258
17	64657136	64657449	64657292	9	13	2	4.474907234	0.00269459	ABCA6	ENSG00000154262
17	64938157	64938594	64938353	51	62	3	15.10281192	2.26E-15	MAP2K6	ENSG00000108984
17	65033837	65034100	65033993	9	10	2	3.515998541	0.0136204	MAP2K6	ENSG00000108984
17	65114828	65115731	65115108	542	676	6	92.74016931	3.88E-186	MAP2K6	ENSG00000108984
17	65117152	65117543	65117364	11	20	8	2.237453617	0.0160557	MAP2K6	ENSG00000108984
17	65513986	65514176	65514056	10	11	0	11.50690432	0.000313206		ENSG00000199801
17	66966103	66966442	66966272	29	33	5	5.433815927	2.23E-06		ENSG00000211255
17	66981086	66981284	66981160	9	9	1	4.794543465	0.00708517		ENSG00000187141
17	67781374	67781707	67781534	10	15	4	3.068507818	0.0076507		ENSG00000211264
17	69049580	69049769	69049674	9	9	1	4.794543465	0.00708517	SDK2	ENSG00000069188
17	69122027	69122326	69122176	42	46	2	15.02290286	5.55E-12	SDK2	ENSG00000069188
17	69700623	69701015	69700840	21	27	6	3.835634772	0.000155182	RPL38	ENSG00000172809
17	69711047	69711228	69711181	8	8	4	1.726035648	0.150596	RPL38	ENSG00000172809
17	69711242	69711488	69711347	12	14	3	3.595907599	0.00486913	RPL38	ENSG00000172809

17	69962221	69962534	69962377	8	9	2	3.19636231	0.0229249	CD300A	ENSG00000167851
17	70252425	70252641	70252533	9	10	7	1.318499453	0.269217	SLC9A3R1	ENSG00000109062
17	70266299	70266716	70266478	15	24	6	3.424673904	0.000656885	SLC9A3R1	ENSG00000109062
17	70278529	70278725	70278614	10	10	1	5.273997812	0.00391723	NAT9	ENSG00000109065
17	70299150	70299511	70299372	8	14	0	14.3836304	4.17E-05	TMEM104	ENSG00000109066
17	70520197	70520408	70520302	10	11	4	2.301380863	0.0459276	ICT1	ENSG00000167862
17	70541436	70541769	70541645	10	14	2	4.794543465	0.00154571		ENSG00000222347
17	70542072	70542360	70542232	9	12	7	1.558226626	0.152813		ENSG00000222347
17	70542855	70543158	70543006	11	14	5	2.397271733	0.0258078		ENSG00000222347
17	70632069	70632277	70632170	8	10	1	5.273997812	0.00391723	NT5C	ENSG00000125458
17	70769857	70770053	70769947	8	9	0	9.589086931	0.00120187	MRPS7	ENSG00000125445
17	70778076	70778336	70778166	8	11	2	3.835634772	0.00800699	MIF4GD	ENSG00000125457
17	70794171	70794422	70794309	9	11	4	2.301380863	0.0459276	SLC25A19	ENSG00000125454
17	70797376	70797626	70797510	8	10	1	5.273997812	0.00391723	SLC25A19	ENSG00000125454
17	70901505	70901717	70901586	9	10	6	1.506856518	0.188853	GRB2	ENSG00000177885
17	71048160	71048432	71048287	13	17	2	5.753452158	0.000281509	LLGL2	ENSG00000073350
17	71140732	71140936	71140787	8	9	2	3.19636231	0.0229249		ENSG00000204323
17	71141441	71141653	71141581	11	13	1	6.712360851	0.000640982		ENSG00000204323
17	71147623	71147837	71147699	9	11	6	1.643843474	0.137712		ENSG00000204323
17	71174675	71174939	71174845	8	11	7	1.43836304	0.204844	RECQL5	ENSG00000108469
17	71257655	71257936	71257795	8	10	2	3.515998541	0.0136204	GALK1	ENSG00000108479
17	71293133	71293410	71293289	12	15	5	2.557089848	0.0169197	UNK	ENSG00000132478
17	71352490	71352769	71352604	8	12	5	2.077635502	0.0577144	UNC13D	ENSG00000092929
17	71448714	71449001	71448857	8	10	1	5.273997812	0.00391723	FBF1	ENSG00000188878
17	71487112	71487666	71487488	14	25	3	6.232906505	1.23E-05	ACOX1	ENSG00000161533
17	71579674	71580023	71579850	16	21	0	21.09599125	3.76E-07	SRP68	ENSG00000167881
17	71639882	71640238	71640060	23	29	2	9.589086931	2.21E-07	FOXJ1	ENSG00000129654
17	71861661	71861856	71861758	11	12	3	3.116453252	0.0131971	PRPSAP1	ENSG00000161542
17	72048495	72048849	72048672	9	14	5	2.397271733	0.0258078	PRCD	ENSG00000214140
17	72058441	72059255	72058880	18	42	0	41.2330738	2.78E-13		ENSG00000204303
17	72066215	72066487	72066378	13	15	1	7.671269544	0.000187863		ENSG00000200185
17	72179453	72179862	72179703	11	19	5	3.19636231	0.00280933		ENSG00000199735
17	72245140	72245427	72245268	8	12	1	6.232906505	0.00117736	MFSD11	ENSG00000092931
17	72426505	72426886	72426620	9	15	4	3.068507818	0.0076507	MGAT5B	ENSG00000167889

17	72682617	72682842	72682729	11	11	1	5.753452158	0.00215302		ENSG00000211400
17	72741611	72741867	72741772	11	13	3	3.356180426	0.00805599		ENSG00000211400
17	72793695	72794139	72793917	48	67	6	9.315113018	3.89E-14	9-Sep	ENSG00000184640
17	72794221	72794857	72794378	17	32	4	6.328797374	9.93E-07	9-Sep	ENSG00000184640
17	72795353	72795663	72795508	12	14	4	2.876726079	0.01219	9-Sep	ENSG00000184640
17	72796389	72796665	72796496	9	12	1	6.232906505	0.00117736	9-Sep	ENSG00000184640
17	73050398	73050760	73050577	8	14	5	2.397271733	0.0258078		ENSG00000203307
17	73344344	73344627	73344485	12	13	3	3.356180426	0.00805599		ENSG00000204283
17	73546599	73546940	73546769	12	15	0	15.34253909	2.13E-05	TNRC6C	ENSG00000078687
17	73548714	73548979	73548856	8	12	2	4.155271003	0.0046638	TNRC6C	ENSG00000078687
17	73592726	73592950	73592790	8	8	5	1.43836304	0.235762		ENSG00000204282
17	73706643	73706927	73706786	15	18	1	9.109632584	2.91E-05	AFMID	ENSG00000183077
17	73797577	73797766	73797671	8	8	3	2.157544559	0.0836802		ENSG00000204277
17	73979570	73979812	73979718	9	12	0	12.46581301	0.000159888	DNAH17	ENSG00000187775
17	74299796	74300157	74299970	14	20	1	10.06854128	8.32E-06	CYTH1	ENSG00000108669
17	74373469	74373651	74373560	8	9	5	1.598181155	0.170911	USP36	ENSG00000055483
17	74674481	74674745	74674623	8	10	1	5.273997812	0.00391723		ENSG00000167280
17	74735860	74736436	74736061	27	43	1	21.09599125	3.19E-12		ENSG00000167280
17	75334081	75334281	75334161	9	9	0	9.589086931	0.00120187	ENPP7	ENSG00000182156
17	75388856	75389220	75389091	10	15	0	15.34253909	2.13E-05	CBX8	ENSG00000141570
17	75594393	75594572	75594482	8	9	2	3.19636231	0.0229249	TBC1D16	ENSG00000167291
17	76036240	76036730	76036460	16	29	4	5.753452158	5.31E-06	NPTX1	ENSG00000171246
17	76163769	76163980	76163851	8	11	1	5.753452158	0.00215302		ENSG00000216958
17	76282422	76282889	76282693	25	36	1	17.73981082	3.00E-10		ENSG00000216958
17	76827876	76828699	76828260	62	107	4	20.71242777	1.08E-26	C17orf56	ENSG00000167302
17	76894859	76895093	76894971	12	14	2	4.794543465	0.00154571	C17orf55	ENSG00000185168
17	76918003	76918374	76918131	8	13	6	1.917817386	0.0693353	TMEM105	ENSG00000185332
17	76982306	76982740	76982460	11	18	8	2.024362796	0.0334397		ENSG00000171282
17	77300953	77301518	77301339	13	26	7	3.236316839	0.000628017	SLC25A10	ENSG00000183048
17	77849001	77849276	77849138	8	10	3	2.636998906	0.034203	CD7	ENSG00000173762
17	77935804	77936381	77935992	15	28	3	6.952088025	2.20E-06	UTS2R	ENSG00000181408
17	78045410	78045775	78045589	13	20	5	3.356180426	0.0017534	FOXK2	ENSG00000141568
17	78045784	78046216	78045963	9	20	9	2.013708255	0.0279742	FOXK2	ENSG00000141568
17	78046898	78047667	78047201	60	103	6	14.24664344	1.34E-23	FOXK2	ENSG00000141568

17	78080066	78080275	78080131	8	9	3	2.397271733	0.0539397	FOXK2	ENSG00000141568
17	78332982	78333260	78333116	8	11	2	3.835634772	0.00800699	TBCD	ENSG00000141556
17	78389560	78389917	78389780	9	14	2	4.794543465	0.00154571	ZNF750	ENSG00000141579
17	78391190	78391372	78391303	8	9	3	2.397271733	0.0539397	ZNF750	ENSG00000141579
17	78391606	78391969	78391785	11	18	6	2.602752167	0.00970422	ZNF750	ENSG00000141579
17	78409518	78409732	78409620	13	14	4	2.876726079	0.01219	ZNF750	ENSG00000141579
17	78409798	78410008	78409903	8	11	5	1.917817386	0.0843804	ZNF750	ENSG00000141579
17	78427185	78427584	78427340	14	21	5	3.515998541	0.00108602	ZNF750	ENSG00000141579
17	78427872	78428125	78427998	8	9	2	3.19636231	0.0229249	ZNF750	ENSG00000141579
17	78620755	78621030	78620883	9	10	0	10.54799562	0.000613541	METRNL	ENSG00000176845
17	78648174	78648370	78648297	8	10	2	3.515998541	0.0136204	METRNL	ENSG00000176845
18	98065	99667	98242	70	235	197	1.142941675	0.0821829		ENSG00000215585
18	240815	241008	240911	9	9	1	4.794543465	0.00708517	THOC1	ENSG00000079134
18	262402	262770	262651	8	13	0	13.4247217	8.16E-05	THOC1	ENSG00000079134
18	487085	487309	487215	8	10	1	5.273997812	0.00391723	COLEC12	ENSG00000158270
18	494045	494264	494195	8	9	6	1.369869562	0.253675	COLEC12	ENSG00000158270
18	587056	587271	587163	10	10	3	2.636998906	0.034203	CLUL1	ENSG00000079101
18	594705	595117	594846	11	18	4	3.643853034	0.00178791	CLUL1	ENSG00000079101
18	647866	648546	648277	60	97	8	10.44145021	2.62E-20	C18orf56	ENSG00000176912
18	802845	803035	802917	8	9	2	3.19636231	0.0229249	YES1	ENSG00000176105
18	829430	829623	829526	8	9	7	1.198635866	0.346278	YES1	ENSG00000176105
18	2470571	2470838	2470724	13	14	5	2.397271733	0.0258078	METTL4	ENSG00000101574
18	2547697	2547986	2547836	8	9	1	4.794543465	0.00708517	METTL4	ENSG00000101574
18	2938191	2938414	2938302	9	10	4	2.109599125	0.0694668	LPIN2	ENSG00000101577
18	3002119	3002322	3002165	8	10	3	2.636998906	0.034203	LPIN2	ENSG00000101577
18	3034831	3035074	3034955	10	13	3	3.356180426	0.00805599	LPIN2	ENSG00000101577
18	3048477	3048747	3048610	11	14	5	2.397271733	0.0258078	LPIN2	ENSG00000101577
18	3063663	3063900	3063728	8	11	1	5.753452158	0.00215302	LPIN2	ENSG00000101577
18	3119368	3119612	3119499	10	12	2	4.155271003	0.0046638	MYOM1	ENSG00000101605
18	3177442	3177630	3177531	8	8	2	2.876726079	0.0381137	MYOM1	ENSG00000101605
18	3206375	3206624	3206528	9	10	4	2.109599125	0.0694668	MYOM1	ENSG00000101605
18	3208005	3208246	3208130	9	11	9	1.150690432	0.367789	MYOM1	ENSG00000101605
18	3217893	3218072	3217982	8	8	3	2.157544559	0.0836802	MYOM1	ENSG00000101605
18	3226361	3226670	3226492	14	18	9	1.821926517	0.0548428		ENSG00000101608

18	3235758	3235975	3235866	9	10	4	2.109599125	0.0694668		ENSG00000101608
18	3236040	3236614	3236192	11	25	23	1.038817751	0.445246		ENSG00000101608
18	3236923	3237153	3237024	8	9	6	1.369869562	0.253675		ENSG00000101608
18	3237464	3237920	3237643	11	22	12	1.696530765	0.057768		ENSG00000101608
18	3238637	3238821	3238729	8	8	3	2.157544559	0.0836802		ENSG00000101608
18	3247373	3247722	3247547	23	29	3	7.191815198	1.23E-06		ENSG00000118680
18	3250746	3250984	3250856	11	12	9	1.246581301	0.295061		ENSG00000118680
18	3251097	3251319	3251161	8	10	9	1.054799562	0.4492		ENSG00000118680
18	3251392	3251967	3251566	14	29	6	4.109608685	5.77E-05		ENSG00000118680
18	3252677	3253143	3252964	13	25	3	6.232906505	1.23E-05		ENSG00000118680
18	3253355	3253590	3253430	8	10	10	0.958908693	0.538751		ENSG00000118680
18	3253725	3253953	3253851	10	12	3	3.116453252	0.0131971		ENSG00000118680
18	3258835	3259014	3258909	8	8	2	2.876726079	0.0381137		ENSG00000118680
18	3259200	3259460	3259330	8	11	4	2.301380863	0.0459276		ENSG00000118680
18	3387005	3387483	3387304	10	20	10	1.830643869	0.0454769	TGIF1	ENSG00000177426
18	3444755	3445040	3444897	12	15	3	3.835634772	0.00291691	TGIF1	ENSG00000177426
18	3502004	3502358	3502181	8	14	7	1.797953799	0.0806593	TGIF1	ENSG00000177426
18	3575775	3576113	3575944	11	16	9	1.630144778	0.102169		ENSG00000177337
18	3583121	3583419	3583270	10	12	4	2.493162602	0.0299057		ENSG00000177337
18	3583565	3584062	3583744	20	38	10	3.399767184	3.54E-05		ENSG00000177337
18	3584357	3584622	3584489	12	13	12	1.0326709	0.46514		ENSG00000177337
18	3750833	3751042	3750937	8	9	5	1.598181155	0.170911		ENSG00000209562
18	6984086	6984343	6984190	9	11	0	11.50690432	0.000313206	LAMA1	ENSG00000101680
18	6985077	6985284	6985185	8	9	2	3.19636231	0.0229249	LAMA1	ENSG00000101680
18	7012329	7012521	7012455	8	9	3	2.397271733	0.0539397	LAMA1	ENSG00000101680
18	7025021	7025381	7025200	18	25	3	6.232906505	1.23E-05	LAMA1	ENSG00000101680
18	7718333	7718815	7718512	46	58	0	56.57561289	5.90E-18		ENSG00000221631
18	7723704	7724286	7723875	25	38	1	18.69871951	8.21E-11		ENSG00000221631
18	8219844	8220061	8219952	10	10	2	3.515998541	0.0136204		ENSG00000212067
18	8686657	8686878	8686729	8	9	5	1.598181155	0.170911	KIAA0802	ENSG00000168502
18	8714498	8714824	8714626	17	21	1	10.54799562	4.43E-06		ENSG00000209617
18	9123283	9123525	9123404	9	11	2	3.835634772	0.00800699	ANKRD12	ENSG00000101745
18	9280087	9280521	9280311	29	41	1	20.13708255	1.17E-11		ENSG00000209637
18	9356221	9356628	9356366	10	18	4	3.643853034	0.00178791	TWSG1	ENSG00000128791

18	9426312	9426584	9426433	12	14	2	4.794543465	0.00154571	RALBP1	ENSG00000017797
18	9464887	9465167	9465028	14	16	5	2.716907964	0.0109645	RALBP1	ENSG00000017797
18	9539050	9539262	9539156	8	8	0	8.630178238	0.00235436		ENSG00000209641
18	9565617	9565821	9565735	8	8	3	2.157544559	0.0836802	PPP4R1	ENSG00000154845
18	9706315	9706680	9706506	8	13	0	13.4247217	8.16E-05	RAB31	ENSG00000168461
18	10084418	10084878	10084727	12	17	0	17.26035648	5.54E-06		ENSG00000223138
18	10199352	10199738	10199559	39	47	0	46.02761727	9.62E-15		ENSG00000209662
18	10546949	10547159	10547054	8	9	1	4.794543465	0.00708517	NAPG	ENSG00000134265
18	10550496	10550813	10550671	8	12	1	6.232906505	0.00117736	NAPG	ENSG00000134265
18	10677609	10677876	10677742	8	10	2	3.515998541	0.0136204	FAM38B	ENSG00000154864
18	11040285	11040608	11040446	8	12	0	12.46581301	0.000159888	C18orf58	ENSG00000168738
18	11126402	11126699	11126550	8	11	3	2.876726079	0.0213797	C18orf58	ENSG00000168738
18	11377963	11378173	11378086	8	9	1	4.794543465	0.00708517		ENSG00000153081
18	11490461	11490746	11490603	16	19	2	6.39272462	8.83E-05		ENSG00000153081
18	11507560	11507823	11507691	8	11	3	2.876726079	0.0213797		ENSG00000153081
18	11841289	11841569	11841453	9	12	5	2.077635502	0.0577144	MPPE1	ENSG00000154889
18	11841825	11842067	11841910	8	12	3	3.116453252	0.0131971	MPPE1	ENSG00000154889
18	11970174	11970534	11970353	9	16	7	2.037680973	0.0400399	IMPA2	ENSG00000141401
18	11985492	11985676	11985576	8	8	3	2.157544559	0.0836802	IMPA2	ENSG00000141401
18	12261744	12261932	12261794	8	11	2	3.835634772	0.00800699	CIDEA	ENSG00000176194
18	12298589	12298960	12298764	12	16	3	4.075361945	0.00173346	TUBB6	ENSG00000176014
18	12299563	12300335	12300059	39	79	5	12.78544924	4.29E-18	TUBB6	ENSG00000176014
18	12350667	12350846	12350756	8	8	1	4.315089119	0.0127267	AFG3L2	ENSG00000141385
18	12635861	12636078	12635963	11	11	6	1.643843474	0.137712	SPIRE1	ENSG00000134278
18	12688280	12688703	12688524	11	21	0	21.09599125	3.76E-07	PSMG2	ENSG00000128789
18	12717104	12717413	12717273	9	13	3	3.356180426	0.00805599	PSMG2	ENSG00000128789
18	12731355	12731676	12731515	23	29	4	5.753452158	5.31E-06		ENSG00000201466
18	12883817	12884099	12883958	13	13	5	2.237453617	0.038866	PTPN2	ENSG00000175354
18	16765010	16765229	16765094	8	8	12	0.663859864	0.833689		ENSG00000216205
18	16765415	16766521	16765685	65	130	114	1.092322076	0.243947		ENSG00000216205
18	16766796	16767322	16767043	77	100	110	0.872520523	0.83973		ENSG00000216205
18	16767455	16767792	16767623	12	15	25	0.590097657	0.955515		ENSG00000216205
18	16768028	16768361	16768194	18	19	13	1.369869562	0.177863		ENSG00000216205
18	16768789	16769134	16768992	8	13	19	0.671236085	0.87814		ENSG00000216205

18	16769960	16770334	16770155	35	43	56	0.740210219	0.934581		ENSG00000216205
18	16770415	16770609	16770575	21	24	32	0.72644598	0.88851		ENSG00000216205
18	16770724	16771175	16771019	35	44	57	0.743980883	0.933197		ENSG00000216205
18	16771275	16771749	16771570	14	20	32	0.610214623	0.964514		ENSG00000216205
18	16771779	16772313	16772134	105	132	131	0.966173153	0.610131		ENSG00000216205
18	16772484	16773156	16772977	50	79	67	1.128127874	0.231135		ENSG00000216205
18	16773688	16774445	16774273	49	82	87	0.904425245	0.74449		ENSG00000216205
18	16876499	16876679	16876589	8	8	0	8.630178238	0.00235436		ENSG00000216205
18	17026016	17026234	17026108	8	9	0	9.589086931	0.00120187	KIAA1772	ENSG00000141449
18	17052788	17053040	17052929	9	12	2	4.155271003	0.0046638	KIAA1772	ENSG00000141449
18	17225123	17225373	17225200	8	10	6	1.506856518	0.188853		ENSG00000221139
18	17699874	17700081	17699972	9	9	2	3.19636231	0.0229249		ENSG00000207694
18	17731871	17732059	17731965	8	8	2	2.876726079	0.0381137		ENSG00000209125
18	17755288	17755522	17755405	12	14	0	14.3836304	4.17E-05		ENSG00000209125
18	18538341	18538561	18538451	8	9	3	2.397271733	0.0539397		ENSG00000206827
18	18747868	18748062	18747965	9	10	4	2.109599125	0.0694668	RBBP8	ENSG00000101773
18	18935784	18936046	18935915	10	12	4	2.493162602	0.0299057	CABLES1	ENSG00000134508
18	18949727	18949921	18949802	10	11	0	11.50690432	0.000313206	CABLES1	ENSG00000134508
18	18968006	18968302	18968151	9	12	7	1.558226626	0.152813	CABLES1	ENSG00000134508
18	19094031	19094379	19094205	9	15	3	3.835634772	0.00291691	CABLES1	ENSG00000134508
18	19111376	19111813	19111555	28	41	1	20.13708255	1.17E-11	CABLES1	ENSG00000134508
18	19147133	19147634	19147289	13	23	4	4.602761727	0.000137072	C18orf45	ENSG00000134490
18	19170002	19170308	19170175	8	11	2	3.835634772	0.00800699	C18orf45	ENSG00000134490
18	19173500	19173679	19173636	8	8	5	1.43836304	0.235762	C18orf45	ENSG00000134490
18	19349910	19350214	19350070	18	22	3	5.513724985	6.69E-05	C18orf8	ENSG00000141452
18	19369737	19369941	19369853	10	11	0	11.50690432	0.000313206	C18orf8	ENSG00000141452
18	19465753	19465979	19465844	9	9	7	1.198635866	0.346278	ANKRD29	ENSG00000154065
18	19553533	19553920	19553741	24	32	2	10.54799562	3.50E-08		ENSG00000215051
18	19554003	19554211	19554107	8	9	1	4.794543465	0.00708517		ENSG00000215051
18	19576008	19576187	19576097	8	8	0	8.630178238	0.00235436		ENSG00000215051
18	19696507	19696769	19696675	8	9	4	1.917817386	0.103282	LAMA3	ENSG00000053747
18	19706686	19707005	19706826	12	16	1	8.150723891	0.000101217	LAMA3	ENSG00000053747
18	19717373	19717862	19717607	28	44	2	14.3836304	1.96E-11		ENSG00000221389
18	19828423	19828798	19828643	10	16	3	4.075361945	0.00173346	TTC39C	ENSG00000168234

18	19850716	19850928	19850822	8	9	2	3.19636231	0.0229249		ENSG00000176309
18	19910259	19910442	19910350	9	9	0	9.589086931	0.00120187		ENSG00000215504
18	19953079	19953359	19953202	10	10	2	3.515998541	0.0136204		ENSG00000215504
18	19969943	19970133	19970088	8	8	6	1.232882605	0.333038		ENSG00000215503
18	20065950	20066152	20066059	8	10	8	1.171999514	0.35773		ENSG00000206766
18	20196871	20197060	20196958	8	8	6	1.232882605	0.333038	OSBPL1A	ENSG00000141447
18	20197158	20197355	20197254	8	8	2	2.876726079	0.0381137	OSBPL1A	ENSG00000141447
18	20231978	20232263	20232118	12	13	5	2.237453617	0.038866	OSBPL1A	ENSG00000141447
18	20348424	20348603	20348503	8	9	5	1.598181155	0.170911	HRH4	ENSG00000134489
18	20868076	20868390	20868228	20	21	2	7.031997082	2.73E-05		ENSG00000216836
18	20868484	20868819	20868647	9	14	0	14.3836304	4.17E-05		ENSG00000216836
18	21366982	21367613	21367349	52	78	3	18.93844669	9.21E-20	ZNF521	ENSG00000198795
18	21931533	21931854	21931681	13	16	3	4.075361945	0.00173346	SS18	ENSG00000141380
18	22294466	22294677	22294530	9	9	5	1.598181155	0.170911	KCTD1	ENSG00000134504
18	22294741	22295124	22294932	21	30	6	4.246595641	3.49E-05	KCTD1	ENSG00000134504
18	22384265	22384704	22384557	12	22	3	5.513724985	6.69E-05	KCTD1	ENSG00000134504
18	22483745	22483974	22483867	11	12	5	2.077635502	0.0577144	KCTD1	ENSG00000134504
18	23381003	23381325	23381171	25	28	0	27.8083521	3.40E-09		ENSG00000215499
18	23623452	23623652	23623621	9	9	2	3.19636231	0.0229249	CDH2	ENSG00000170558
18	26261880	26262373	26262198	24	41	3	10.06854128	9.74E-10		
18	27040917	27041104	27041010	9	9	6	1.369869562	0.253675	DSC1	ENSG00000134765
18	27064581	27064802	27064664	8	9	4	1.917817386	0.103282	DSC1	ENSG00000134765
18	27075826	27076232	27076005	16	25	9	2.493162602	0.00432225	DSG1	ENSG00000134760
18	27453267	27453515	27453391	9	10	2	3.515998541	0.0136204	TTR	ENSG00000118271
18	27547333	27547785	27547508	32	43	2	14.06399416	3.68E-11		ENSG00000200472
18	27992017	27992275	27992146	11	13	5	2.237453617	0.038866		ENSG00000199373
18	28119041	28119456	28119198	12	19	0	19.17817386	1.44E-06		ENSG00000222395
18	28142609	28143044	28142887	17	26	2	8.630178238	1.37E-06		ENSG00000222395
18	28206611	28207027	28206790	9	16	3	4.075361945	0.00173346		ENSG00000215492
18	28426346	28426659	28426500	23	25	0	24.93162602	2.56E-08		ENSG00000221621
18	29203735	29203983	29203869	8	9	0	9.589086931	0.00120187	C18orf34	ENSG00000166960
18	29394740	29395021	29394862	23	25	0	24.93162602	2.56E-08	ASXL3	ENSG00000141431
18	31013504	31013809	31013657	9	13	0	13.4247217	8.16E-05	ZNF397	ENSG00000186812
18	31124244	31124613	31124411	8	13	2	4.474907234	0.00269459	ZNF271	ENSG00000118267

18	31331801	31332077	31331951	16	19	7	2.397271733	0.0127287	INO80C	ENSG00000153391
18	31341575	31341899	31341747	10	14	3	3.595907599	0.00486913	INO80C	ENSG00000153391
18	31695958	31696448	31696281	19	30	0	29.72616948	8.86E-10		ENSG00000207797
18	31806499	31806820	31806659	10	11	7	1.43836304	0.204844	C18orf21	ENSG00000141428
18	31958977	31959225	31959099	12	12	1	6.232906505	0.00117736	SLC39A6	ENSG00000141424
18	31963551	31963951	31963703	10	17	6	2.465765211	0.014729	ELP2	ENSG00000134759
18	32529744	32530076	32529906	9	12	1	6.232906505	0.00117736	C18orf10	ENSG00000134779
18	32649554	32649884	32649719	13	18	1	9.109632584	2.91E-05	C18orf10	ENSG00000134779
18	32853204	32853411	32853307	12	12	1	6.232906505	0.00117736	C18orf10	ENSG00000134779
18	34445879	34446058	34445960	8	8	1	4.315089119	0.0127267		ENSG00000222704
18	35482042	35482315	35482178	9	13	4	2.684944341	0.01921		ENSG00000212354
18	35724904	35725187	35725045	17	20	3	5.034270639	0.000202317		ENSG00000212354
18	36049924	36050294	36050115	31	38	1	18.69871951	8.21E-11		
18	36700139	36700566	36700342	25	37	1	18.21926517	1.57E-10		
18	39294188	39294448	39294318	8	8	0	8.630178238	0.00235436	SYT4	ENSG00000132872
18	41046763	41046953	41046896	9	9	3	2.397271733	0.0539397	SLC14A2	ENSG00000132874
18	41582115	41582423	41582269	8	12	4	2.493162602	0.0299057	SLC14A1	ENSG00000141469
18	41593503	41593683	41593593	8	8	1	4.315089119	0.0127267	SLC14A1	ENSG00000141469
18	41619494	41619855	41619637	8	13	1	6.712360851	0.000640982	SIGLEC15	ENSG00000197046
18	41626995	41627889	41627445	24	57	22	2.418117574	7.50E-05	SIGLEC15	ENSG00000197046
18	41636562	41637033	41636854	25	36	15	2.217476353	0.00255902	SIGLEC15	ENSG00000197046
18	41637065	41637484	41637244	16	26	12	1.991579593	0.0165204	SIGLEC15	ENSG00000197046
18	41638272	41638473	41638372	8	9	4	1.917817386	0.103282	SIGLEC15	ENSG00000197046
18	41693774	41693953	41693853	8	8	7	1.07877228	0.435076	SIGLEC15	ENSG00000197046
18	41801069	41801406	41801237	10	15	3	3.835634772	0.00291691	KIAA1632	ENSG00000152223
18	41801508	41802119	41801944	11	23	7	2.876726079	0.00239423	KIAA1632	ENSG00000152223
18	41867691	41867942	41867816	8	10	2	3.515998541	0.0136204	PSTPIP2	ENSG00000152229
18	41902780	41903295	41903037	8	19	4	3.835634772	0.00108365	PSTPIP2	ENSG00000152229
18	41903464	41904217	41903707	82	110	8	11.82654055	1.08E-23	PSTPIP2	ENSG00000152229
18	41921005	41921198	41921147	9	9	2	3.19636231	0.0229249	ATP5A1	ENSG00000152234
18	41931883	41932197	41932040	8	11	2	3.835634772	0.00800699	ATP5A1	ENSG00000152234
18	41932357	41932574	41932454	11	11	7	1.43836304	0.204844	ATP5A1	ENSG00000152234
18	41938001	41938218	41938094	10	10	0	10.54799562	0.000613541	ATP5A1	ENSG00000152234
18	42007417	42007636	42007535	8	9	10	0.871735176	0.624623	C18orf25	ENSG00000152242

18	42007650	42008173	42007994	15	27	12	2.0653418	0.0117911	C18orf25	ENSG00000152242
18	42084323	42084676	42084524	14	18	5	3.036544195	0.0044641	C18orf25	ENSG00000152242
18	42107305	42107564	42107416	8	10	3	2.636998906	0.034203	RNF165	ENSG00000141622
18	42107845	42108210	42108022	8	13	12	1.0326709	0.46514	RNF165	ENSG00000141622
18	42302453	42302731	42302616	13	14	2	4.794543465	0.00154571	LOXHD1	ENSG00000167210
18	42303485	42303930	42303776	14	22	19	1.102744997	0.372416	LOXHD1	ENSG00000167210
18	42374645	42374877	42374761	10	12	2	4.155271003	0.0046638	LOXHD1	ENSG00000167210
18	42457387	42457710	42457546	14	17	4	3.452071295	0.00292757	LOXHD1	ENSG00000167210
18	42569753	42569971	42569862	14	14	1	7.191815198	0.00034761	ST8SIA5	ENSG00000101638
18	42702338	42702576	42702457	10	13	0	13.4247217	8.16E-05	PIAS2	ENSG00000078043
18	42711335	42711725	42711547	24	31	2	10.22835939	6.48E-08	PIAS2	ENSG00000078043
18	42995847	42996247	42996135	8	14	14	0.958908693	0.545362		ENSG00000201825
18	43553083	43553283	43553146	8	10	2	3.515998541	0.0136204		ENSG00000210133
18	43802945	43803132	43803095	8	9	3	2.397271733	0.0539397	ZBTB7C	ENSG00000184828
18	43804107	43804418	43804262	14	19	8	2.130908207	0.0233014	ZBTB7C	ENSG00000184828
18	43914005	43914398	43914188	12	20	14	1.34247217	0.186867		ENSG00000206944
18	44074945	44075142	44075071	8	9	3	2.397271733	0.0539397		ENSG00000206944
18	44110323	44110758	44110563	23	39	0	38.35634772	2.09E-12		ENSG00000200872
18	44110828	44111084	44110956	14	15	4	3.068507818	0.0076507		ENSG00000200872
18	44173697	44173902	44173799	8	9	1	4.794543465	0.00708517		ENSG00000200872
18	44233866	44234109	44233987	9	9	5	1.598181155	0.170911		ENSG00000200872
18	44395857	44396873	44396531	15	41	7	5.034270639	3.77E-07	KIAA0427	ENSG00000134030
18	44396912	44397222	44397067	10	14	3	3.595907599	0.00486913	KIAA0427	ENSG00000134030
18	44456908	44457087	44456952	8	8	4	1.726035648	0.150596	KIAA0427	ENSG00000134030
18	44496022	44496212	44496140	8	8	0	8.630178238	0.00235436	KIAA0427	ENSG00000134030
18	44513058	44513652	44513230	11	26	4	5.178106943	2.75E-05	KIAA0427	ENSG00000134030
18	44628981	44629479	44629215	37	53	6	7.397295632	1.32E-10	SMAD7	ENSG00000101665
18	44763413	44763610	44763557	8	9	3	2.397271733	0.0539397	SMAD7	ENSG00000101665
18	44800919	44801139	44800972	9	11	1	5.753452158	0.00215302	SMAD7	ENSG00000101665
18	44802101	44802514	44802275	8	16	10	1.481949798	0.147733	SMAD7	ENSG00000101665
18	45213925	45214195	45214047	9	12	2	4.155271003	0.0046638	DYM	ENSG00000141627
18	45241506	45241685	45241543	8	8	2	2.876726079	0.0381137	DYM	ENSG00000141627
18	45290959	45291324	45291236	9	15	8	1.704726565	0.0916153		ENSG00000206696
18	45390289	45390610	45390436	11	15	1	7.671269544	0.000187863	LIPG	ENSG00000101670

18	45436537	45436760	45436661	9	11	10	1.046082211	0.455063	LIPG	ENSG00000101670
18	45924303	45924500	45924401	9	9	2	3.19636231	0.0229249	MYO5B	ENSG00000167306
18	45939276	45939593	45939446	15	18	2	6.073088389	0.000157975	MYO5B	ENSG00000167306
18	45943472	45943675	45943562	8	9	4	1.917817386	0.103282	MYO5B	ENSG00000167306
18	46068193	46068428	46068276	8	10	2	3.515998541	0.0136204	CXXC1	ENSG00000154832
18	46391864	46392197	46392030	11	16	6	2.328778255	0.0221113	MAPK4	ENSG00000141639
18	46409666	46410039	46409874	11	15	5	2.557089848	0.0169197	MAPK4	ENSG00000141639
18	46412690	46413028	46412860	24	29	1	14.3836304	2.72E-08	MAPK4	ENSG00000141639
18	47858011	47858190	47858114	8	8	0	8.630178238	0.00235436		ENSG00000215457
18	48573014	48573344	48573179	15	16	11	1.358453982	0.20248		ENSG00000221291
18	51052820	51053132	51052988	8	11	4	2.301380863	0.0459276	CCDC68	ENSG00000166510
18	51469518	51469712	51469615	11	12	1	6.232906505	0.00117736	TCF4	ENSG00000196628
18	51901898	51902163	51902044	10	10	0	10.54799562	0.000613541		ENSG00000201816
18	52687463	52687710	52687586	12	12	0	12.46581301	0.000159888		ENSG00000212539
18	52715371	52715783	52715550	16	24	0	23.97271733	5.01E-08		ENSG00000212539
18	53068354	53068766	53068587	12	23	4	4.602761727	0.000137072		ENSG00000202240
18	53405085	53405324	53405217	9	9	2	3.19636231	0.0229249	FECH	ENSG00000066926
18	53517225	53517486	53517355	12	14	4	2.876726079	0.01219		ENSG00000209025
18	53524518	53524769	53524643	10	11	4	2.301380863	0.0459276	ATP8B1	ENSG00000081923
18	53596877	53597172	53597020	8	13	6	1.917817386	0.0693353		ENSG00000202159
18	53798763	53799528	53798998	103	151	5	24.29235356	8.91E-38		ENSG00000172186
18	53861704	53862001	53861880	10	13	7	1.678090213	0.11195	NEDD4L	ENSG00000049759
18	53895674	53895973	53895853	9	13	2	4.474907234	0.00269459	NEDD4L	ENSG00000049759
18	53909679	53909865	53909812	8	8	2	2.876726079	0.0381137	NEDD4L	ENSG00000049759
18	54020661	54020922	54020791	14	15	8	1.704726565	0.0916153	NEDD4L	ENSG00000049759
18	54042212	54042514	54042363	9	13	4	2.684944341	0.01921	NEDD4L	ENSG00000049759
18	54081393	54081587	54081490	8	9	4	1.917817386	0.103282	NEDD4L	ENSG00000049759
18	54586710	54587120	54586868	10	18	3	4.554816292	0.000599415		ENSG00000223035
18	55007308	55007795	55007460	30	39	3	9.589086931	3.26E-09	GRP	ENSG00000134443
18	55655812	55656012	55655888	9	9	5	1.598181155	0.170911	PMAIP1	ENSG00000141682
18	55717612	55718236	55717894	27	48	3	11.74663149	1.36E-11	PMAIP1	ENSG00000141682
18	56688651	56688833	56688766	8	8	0	8.630178238	0.00235436		ENSG00000214345
18	56711151	56711363	56711309	9	9	1	4.794543465	0.00708517		ENSG00000214345
18	56962142	56962329	56962235	8	8	0	8.630178238	0.00235436		ENSG00000206769

18	57359837	57360226	57360016	18	25	0	24.93162602	2.56E-08	CDH20	ENSG00000101542
18	57693701	57693880	57693784	8	8	2	2.876726079	0.0381137	RNF152	ENSG00000176641
18	58067741	58067984	58067862	12	12	3	3.116453252	0.0131971	KIAA1468	ENSG00000134444
18	58304031	58304253	58304113	9	10	3	2.636998906	0.034203	ZCCHC2	ENSG00000141664
18	58304581	58304871	58304726	8	11	0	11.50690432	0.000313206	ZCCHC2	ENSG00000141664
18	58390403	58391033	58390857	37	53	5	8.630178238	2.64E-11	ZCCHC2	ENSG00000141664
18	58533237	58533513	58533348	9	11	9	1.150690432	0.367789	PHLPP	ENSG00000081913
18	58535801	58536021	58535946	9	10	5	1.757999271	0.121253	PHLPP	ENSG00000081913
18	58618799	58619118	58618970	11	14	10	1.307602763	0.244096		ENSG00000215431
18	58743589	58743808	58743712	8	9	0	9.589086931	0.00120187	PHLPP	ENSG00000081913
18	58795743	58795939	58795841	8	9	2	3.19636231	0.0229249	PHLPP	ENSG00000081913
18	58834607	58834888	58834749	9	10	5	1.757999271	0.121253	PHLPP	ENSG00000081913
18	58893130	58893372	58893251	9	11	6	1.643843474	0.137712	BCL2	ENSG00000171791
18	58937914	58938157	58937997	9	12	4	2.493162602	0.0299057	BCL2	ENSG00000171791
18	58969473	58969652	58969597	8	9	6	1.369869562	0.253675	BCL2	ENSG00000171791
18	58975858	58976080	58975980	8	8	1	4.315089119	0.0127267	BCL2	ENSG00000171791
18	58979755	58979934	58979844	8	8	4	1.726035648	0.150596	BCL2	ENSG00000171791
18	58980076	58980386	58980231	9	13	4	2.684944341	0.01921	BCL2	ENSG00000171791
18	59020530	59020847	59020708	8	10	2	3.515998541	0.0136204	BCL2	ENSG00000171791
18	59075477	59075882	59075742	9	15	20	0.730597099	0.831283	BCL2	ENSG00000171791
18	59122365	59122708	59122536	9	14	2	4.794543465	0.00154571	BCL2	ENSG00000171791
18	59136177	59136522	59136277	12	16	6	2.328778255	0.0221113	BCL2	ENSG00000171791
18	59139398	59139591	59139500	8	9	8	1.065454103	0.442605	BCL2	ENSG00000171791
18	59180039	59180473	59180294	26	39	4	7.671269544	1.80E-08	KDSR	ENSG00000119537
18	59184402	59184740	59184571	9	14	6	2.054804342	0.0480281	KDSR	ENSG00000119537
18	59185714	59186255	59185987	17	30	13	2.12329782	0.0070778	KDSR	ENSG00000119537
18	59220552	59220731	59220641	10	10	6	1.506856518	0.188853	VPS4B	ENSG00000119541
18	59240303	59240541	59240452	9	13	5	2.237453617	0.038866	VPS4B	ENSG00000119541
18	59240543	59240840	59240690	9	13	10	1.220429246	0.306001	VPS4B	ENSG00000119541
18	59294690	59295240	59294986	85	102	3	24.69189885	1.95E-26	SERPINB5	ENSG00000206075
18	59295342	59295604	59295471	11	15	2	5.114179696	0.00088103	SERPINB5	ENSG00000206075
18	59329538	59329934	59329731	14	22	9	2.205489994	0.0136443		ENSG00000214318
18	59336690	59336959	59336821	8	11	8	1.278544924	0.28289		ENSG00000214318
18	59396627	59396903	59396765	10	13	2	4.474907234	0.00269459	SERPINB13	ENSG00000197641

18	59502964	59503331	59503152	17	24	2	7.990905775	4.56E-06	SERPINB11	ENSG00000206072
18	59662538	59662847	59662692	9	11	6	1.643843474	0.137712	SERPINB2	ENSG00000197632
18	59700911	59701113	59701051	8	10	1	5.273997812	0.00391723	SERPINB2	ENSG00000197632
18	59754403	59754661	59754486	8	11	3	2.876726079	0.0213797	HMSD	ENSG00000221887
18	59788928	59789135	59788992	8	10	0	10.54799562	0.000613541	SERPINB8	ENSG00000166401
18	60148225	60148490	60148335	9	9	2	3.19636231	0.0229249		ENSG00000210488
18	60441021	60441435	60441225	15	24	0	23.97271733	5.01E-08		ENSG00000210488
18	62718452	62718686	62718569	10	12	1	6.232906505	0.00117736		ENSG00000221536
18	65370077	65370352	65370214	11	12	0	12.46581301	0.000159888	DOK6	ENSG00000206052
18	67628005	67628226	67628097	10	11	0	11.50690432	0.000313206		
18	69553696	69553985	69553840	14	16	3	4.075361945	0.00173346		ENSG00000210546
18	69968045	69968499	69968272	47	61	4	11.89046779	3.48E-14	C18orf55	ENSG00000075336
18	70128748	70128979	70128842	13	14	7	1.797953799	0.0806593		ENSG00000206043
18	70737448	70737627	70737537	8	8	5	1.43836304	0.235762	ZNF407	ENSG00000215421
18	71972852	71973108	71972980	11	12	0	12.46581301	0.000159888	ZNF516	ENSG00000101493
18	74403260	74403548	74403404	27	29	2	9.589086931	2.21E-07		ENSG00000201723
18	75991059	75991424	75991216	23	29	5	4.794543465	1.89E-05	ADNP2	ENSG00000101544
19	747880	748090	747978	8	8	1	4.315089119	0.0127267	PTBP1	ENSG00000011304
19	884477	884776	884647	13	16	0	16.30144778	1.09E-05	ARID3A	ENSG00000116017
19	972396	972814	972575	8	16	8	1.811271976	0.0663685		ENSG00000207357
19	1161400	1161723	1161579	13	18	0	18.21926517	2.83E-06	STK11	ENSG00000118046
19	1334342	1334535	1334438	8	9	6	1.369869562	0.253675	NDUFS7	ENSG00000115286
19	1334618	1334962	1334787	9	14	5	2.397271733	0.0258078	NDUFS7	ENSG00000115286
19	2009439	2009919	2009740	20	33	0	32.60289556	1.18E-10	MKNK2	ENSG00000099875
19	2530459	2530833	2530617	20	26	5	4.315089119	8.98E-05	GNG7	ENSG00000213611
19	2904251	2904487	2904369	9	10	1	5.273997812	0.00391723	ZNF77	ENSG00000175691
19	3672438	3672634	3672536	9	9	4	1.917817386	0.103282	TJP3	ENSG00000105289
19	3803651	3803838	3803763	9	9	3	2.397271733	0.0539397	ZFR2	ENSG00000105278
19	3919551	3919989	3919875	9	16	8	1.811271976	0.0663685	DAPK3	ENSG00000167657
19	4470959	4471245	4471102	11	14	1	7.191815198	0.00034761	KIAA1881	ENSG00000167676
19	4575790	4576166	4575974	55	65	1	31.64398687	1.78E-18	TNFAIP8L1	ENSG00000185361
19	4674862	4675131	4675026	9	10	3	2.636998906	0.034203	DPP9	ENSG00000142002
19	4923933	4924165	4924041	12	13	3	3.356180426	0.00805599	JMJD2B	ENSG00000127663
19	5421412	5421864	5421561	30	36	2	11.82654055	2.94E-09	ZNRF4	ENSG00000105428

19	5705604	5705810	5705719	8	8	0	8.630178238	0.00235436	TMEM146	ENSG00000174898
19	6411179	6411358	6411268	8	8	1	4.315089119	0.0127267	SLC25A23	ENSG00000125648
19	6528241	6528960	6528603	162	208	1	100.2059584	9.62E-60		ENSG00000199223
19	6694790	6695198	6695002	44	54	2	17.57999271	3.45E-14	TRIP10	ENSG00000125733
19	6696035	6696241	6696138	9	10	1	5.273997812	0.00391723	TRIP10	ENSG00000125733
19	6814611	6814846	6814711	8	10	1	5.273997812	0.00391723	EMR1	ENSG00000174837
19	7392917	7393114	7393011	11	11	4	2.301380863	0.0459276	ARHGEF18	ENSG00000104880
19	8332922	8333119	8333020	8	8	2	2.876726079	0.0381137	ANGPTL4	ENSG00000167772
19	9011311	9011800	9011532	25	41	1	20.13708255	1.17E-11	OR1M1	ENSG00000170929
19	9593382	9593889	9593710	28	40	0	39.31525642	1.07E-12	ZNF561	ENSG00000171469
19	9594283	9594627	9594455	30	35	0	34.52071295	3.07E-11	ZNF561	ENSG00000171469
19	9930511	9930746	9930628	10	11	0	11.50690432	0.000313206	OLFM2	ENSG00000105088
19	9999318	9999659	9999491	10	13	3	3.356180426	0.00805599		ENSG00000167798
19	10061489	10061807	10061648	11	13	4	2.684944341	0.01921	C19orf66	ENSG00000130813
19	10165769	10166072	10165931	9	11	4	2.301380863	0.0459276	DNMT1	ENSG00000130816
19	10257663	10258054	10257926	16	23	3	5.753452158	3.82E-05	ICAM4	ENSG00000105371
19	10335618	10335832	10335725	9	9	2	3.19636231	0.0229249	TYK2	ENSG00000105397
19	10362366	10362584	10362495	8	8	1	4.315089119	0.0127267	TYK2	ENSG00000105397
19	10625472	10625944	10625648	13	20	4	4.027416511	0.000652226	ILF3	ENSG00000129351
19	10627659	10627863	10627749	8	9	3	2.397271733	0.0539397	ILF3	ENSG00000129351
19	10836119	10836363	10836235	9	9	4	1.917817386	0.103282	CARM1	ENSG00000142453
19	10859320	10859536	10859428	8	9	1	4.794543465	0.00708517	CARM1	ENSG00000142453
19	10900326	10900533	10900425	9	10	5	1.757999271	0.121253	C19orf52	ENSG00000142444
19	11060969	11061163	11061090	9	9	3	2.397271733	0.0539397	LDLR	ENSG00000130164
19	11236367	11236558	11236454	8	8	2	2.876726079	0.0381137	DOCK6	ENSG00000130158
19	11237382	11237609	11237518	9	9	3	2.397271733	0.0539397	DOCK6	ENSG00000130158
19	11265435	11265836	11265585	10	16	4	3.260289556	0.00475414	TSPAN16	ENSG00000130167
19	11296008	11296352	11296180	14	20	1	10.06854128	8.32E-06	RAB3D	ENSG00000105514
19	11316021	11316401	11316200	21	28	11	2.317362675	0.00474534		ENSG00000183401
19	11425248	11425660	11425452	9	18	0	18.21926517	2.83E-06	PRKCSH	ENSG00000130175
19	11553030	11553232	11553115	9	10	5	1.757999271	0.121253	ACP5	ENSG00000102575
19	11787131	11787325	11787214	9	9	0	9.589086931	0.00120187	ZNF440	ENSG00000171295
19	12467158	12467443	12467291	14	14	2	4.794543465	0.00154571	ZNF709	ENSG00000196826
19	12522661	12522840	12522750	8	8	1	4.315089119	0.0127267	ZNF564	ENSG00000220949

19	12536019	12536222	12536087	8	8	3	2.157544559	0.0836802		ENSG00000213290
19	12583356	12583581	12583447	8	9	4	1.917817386	0.103282	ZNF791	ENSG00000173875
19	12640587	12640879	12640738	8	9	6	1.369869562	0.253675	C19orf56	ENSG00000105583
19	12641015	12641580	12641271	12	29	14	1.917817386	0.0161307	C19orf56	ENSG00000105583
19	12648246	12648554	12648417	9	13	5	2.237453617	0.038866	DHPS	ENSG00000095059
19	12653632	12653889	12653800	13	15	6	2.191791298	0.0328001	DHPS	ENSG00000095059
19	12668390	12668878	12668601	12	22	27	0.787674998	0.803855	FBXW9	ENSG00000132004
19	12694524	12694831	12694694	15	19	7	2.397271733	0.0127287	TNPO2	ENSG00000105576
19	12695603	12695917	12695760	8	12	6	1.78083043	0.0985525	TNPO2	ENSG00000105576
19	12705257	12705620	12705427	11	17	2	5.753452158	0.000281509	C19orf43	ENSG00000123144
19	12709073	12709531	12709352	12	23	9	2.301380863	0.00938618	ASNA1	ENSG00000198356
19	12746853	12747285	12746977	9	17	15	1.07877228	0.410615	HOOK2	ENSG00000095066
19	12747439	12747779	12747611	8	12	4	2.493162602	0.0299057	HOOK2	ENSG00000095066
19	12758422	12758714	12758568	12	14	4	2.876726079	0.01219	JUNB	ENSG00000171223
19	12761933	12762130	12762051	8	8	5	1.43836304	0.235762	JUNB	ENSG00000171223
19	12766835	12767015	12766925	8	8	1	4.315089119	0.0127267	JUNB	ENSG00000171223
19	12777862	12778074	12777932	8	9	8	1.065454103	0.442605	RNASEH2A	ENSG00000104889
19	12819408	12819622	12819540	8	9	2	3.19636231	0.0229249	MAST1	ENSG00000105613
19	12856833	12857083	12856969	9	12	1	6.232906505	0.00117736	KLF1	ENSG00000105610
19	12857209	12857413	12857332	9	11	3	2.876726079	0.0213797	KLF1	ENSG00000105610
19	12912148	12912541	12912352	10	18	2	6.073088389	0.000157975	CALR	ENSG00000179218
19	12918402	12918674	12918538	11	13	1	6.712360851	0.000640982	RAD23A	ENSG00000179262
19	12936772	12937021	12936889	8	10	8	1.171999514	0.35773	DAND5	ENSG00000179284
19	12949718	12949929	12949823	8	9	3	2.397271733	0.0539397	DAND5	ENSG00000179284
19	13089690	13089938	13089814	8	9	3	2.397271733	0.0539397	NACC1	ENSG00000160877
19	13122090	13122447	13122263	16	21	1	10.54799562	4.43E-06	IER2	ENSG00000160888
19	13126709	13127209	13126904	10	23	6	3.287686948	0.00104919	IER2	ENSG00000160888
19	13234324	13234627	13234475	8	13	1	6.712360851	0.000640982		ENSG00000213253
19	13625710	13626077	13625900	31	37	1	18.21926517	1.57E-10	CCDC130	ENSG00000104957
19	13737248	13737770	13737591	37	51	7	6.232906505	1.73E-09		ENSG00000037757
19	13745976	13746391	13746144	9	16	3	4.075361945	0.00173346	C19orf53	ENSG00000104979
19	13805341	13805546	13805460	8	10	4	2.109599125	0.0694668		ENSG00000209707
19	13806256	13806455	13806419	8	10	3	2.636998906	0.034203		ENSG00000209707
19	13813135	13813526	13813421	9	14	5	2.397271733	0.0258078		ENSG00000205463

19	13984365	13984744	13984525	14	21	0	21.09599125	3.76E-07	RFX1	ENSG00000132005
19	14053080	14053346	14053234	9	13	12	1.0326709	0.46514	C19orf67	ENSG00000188032
19	14508800	14509032	14508916	8	8	0	8.630178238	0.00235436	GPSN2	ENSG00000099797
19	15010132	15010366	15010233	8	12	2	4.155271003	0.0046638	CASP14	ENSG00000105141
19	15084373	15084552	15084462	8	8	0	8.630178238	0.00235436	SYDE1	ENSG00000105137
19	15125851	15126079	15125965	8	8	4	1.726035648	0.150596		ENSG00000209740
19	15167867	15168053	15167960	8	8	3	2.157544559	0.0836802	NOTCH3	ENSG00000074181
19	15241150	15241354	15241271	8	8	0	8.630178238	0.00235436	BRD4	ENSG00000141867
19	15352184	15352404	15352284	8	10	5	1.757999271	0.121253	AKAP8	ENSG00000105127
19	15390842	15391196	15391032	8	13	6	1.917817386	0.0693353	AKAP8L	ENSG00000011243
19	15527565	15527803	15527660	10	10	3	2.636998906	0.034203	CYP4F22	ENSG00000171954
19	15528218	15528541	15528379	9	14	2	4.794543465	0.00154571	CYP4F22	ENSG00000171954
19	15590969	15591166	15591030	8	9	0	9.589086931	0.00120187	CYP4F8	ENSG00000186526
19	15618314	15618816	15618577	64	91	2	29.40653325	1.46E-24	CYP4F3	ENSG00000186529
19	15692983	15693162	15693069	8	8	3	2.157544559	0.0836802	OR10H2	ENSG00000171942
19	15864472	15865193	15864708	43	76	4	14.76719387	3.30E-18	CYP4F2	ENSG00000186115
19	15957808	15958027	15957917	10	10	0	10.54799562	0.000613541	HSH2D	ENSG00000196684
19	16144838	16145097	16144945	10	12	6	1.78083043	0.0985525	CIB3	ENSG00000141977
19	16169512	16169723	16169603	10	10	0	10.54799562	0.000613541	AP1M1	ENSG00000072958
19	16928909	16929280	16929101	10	16	6	2.328778255	0.0221113		ENSG00000223132
19	17221919	17222201	17222055	9	10	2	3.515998541	0.0136204	NR2F6	ENSG00000160113
19	17232745	17232982	17232863	8	11	2	3.835634772	0.00800699	USHBP1	ENSG00000130307
19	17309116	17309314	17309215	8	8	7	1.07877228	0.435076	GTPBP3	ENSG00000130299
19	17318189	17318371	17318297	8	8	1	4.315089119	0.0127267	GTPBP3	ENSG00000130299
19	17483132	17483402	17483303	8	10	4	2.109599125	0.0694668	PGLS	ENSG00000130313
19	17626763	17627220	17626993	21	36	5	5.913270274	4.32E-07	UNC13A	ENSG00000130477
19	17763129	17763351	17763246	10	11	1	5.753452158	0.00215302	B3GNT3	ENSG00000179913
19	17861725	17861920	17861760	8	8	0	8.630178238	0.00235436	SLC5A5	ENSG00000105641
19	17874537	17874835	17874682	18	20	0	20.13708255	7.37E-07	SLC5A5	ENSG00000105641
19	17978817	17979027	17978961	8	11	1	5.753452158	0.00215302	ARRDC2	ENSG00000105643
19	18001593	18001924	18001758	8	12	2	4.155271003	0.0046638	ARRDC2	ENSG00000105643
19	18006819	18007239	18007005	42	54	2	17.57999271	3.45E-14	ARRDC2	ENSG00000105643
19	18065205	18065575	18065381	29	33	2	10.86763185	1.89E-08	MAST3	ENSG00000099308
19	18195747	18196934	18196488	207	309	5	49.54361581	2.14E-82	PDE4C	ENSG00000105650

19	18251479	18251820	18251649	17	21	2	7.031997082	2.73E-05	JUND	ENSG00000130522
19	18294983	18295213	18295098	9	9	3	2.397271733	0.0539397	LSM4	ENSG00000130520
19	18300272	18300537	18300404	9	13	5	2.237453617	0.038866		ENSG00000209784
19	18328501	18328684	18328571	9	10	0	10.54799562	0.000613541	PGPEP1	ENSG00000130517
19	18336437	18337239	18336819	379	574	7	68.92156231	3.65E-155	GDF15	ENSG00000130513
19	18345309	18346438	18345771	292	410	2	131.3704909	1.97E-116	GDF15	ENSG00000130513
19	18356509	18356801	18356667	8	10	0	10.54799562	0.000613541	GDF15	ENSG00000130513
19	18357612	18358303	18358000	131	185	3	44.58925423	6.40E-50	GDF15	ENSG00000130513
19	18360253	18360513	18360392	11	11	0	11.50690432	0.000313206	GDF15	ENSG00000130513
19	18410590	18410956	18410737	11	15	2	5.114179696	0.00088103	ISYNA1	ENSG00000105655
19	18728840	18729238	18729027	21	30	1	14.86308474	1.43E-08	COMP	ENSG00000105664
19	18819110	18819310	18819210	9	10	6	1.506856518	0.188853	UPF1	ENSG00000005007
19	18967622	18967829	18967725	10	10	5	1.757999271	0.121253	SFRS14	ENSG00000064607
19	19242591	19242804	19242735	8	9	0	9.589086931	0.00120187	TM6SF2	ENSG00000213996
19	19349542	19349943	19349785	13	19	4	3.835634772	0.00108365	GATAD2A	ENSG00000167491
19	19378743	19378986	19378834	8	9	0	9.589086931	0.00120187	GATAD2A	ENSG00000167491
19	19381093	19381325	19381195	12	12	1	6.232906505	0.00117736	GATAD2A	ENSG00000167491
19	19487872	19488195	19488046	12	15	7	1.917817386	0.0572317	NDUFA13	ENSG00000130288
19	19635541	19635733	19635607	9	9	2	3.19636231	0.0229249	ATP13A1	ENSG00000105726
19	19679643	19679823	19679752	9	9	2	3.19636231	0.0229249	ZNF14	ENSG00000105708
19	19704676	19704906	19704763	8	8	5	1.43836304	0.235762	ZNF14	ENSG00000105708
19	19746977	19747168	19747072	8	8	0	8.630178238	0.00235436	ZNF14	ENSG00000105708
19	19748202	19748798	19748466	90	112	7	13.54458529	4.30E-25	ZNF14	ENSG00000105708
19	21457558	21457864	21457691	12	15	4	3.068507818	0.0076507	ZNF429	ENSG00000197013
19	23262374	23262686	23262514	17	21	3	5.273997812	0.00011662		ENSG00000213971
19	23975387	23975666	23975532	8	8	12	0.663859864	0.833689		ENSG00000211551
19	23975784	23976122	23975954	20	21	21	0.958908693	0.555026		ENSG00000211551
19	23976336	23977000	23976662	12	22	12	1.696530765	0.057768		ENSG00000211551
19	24317867	24318207	24318037	41	41	34	1.150690432	0.267862	ZNF254	ENSG00000213096
19	32423683	32424788	32423870	142	305	263	1.111462349	0.103669		
19	32424818	32425417	32425238	45	67	65	0.987966532	0.527533		
19	32425623	32425864	32425740	9	9	3	2.397271733	0.0539397		
19	32425937	32426784	32426607	58	102	129	0.759750734	0.981852		
19	32426893	32427230	32427061	49	52	53	0.941151125	0.623071		

19	32427352	32427928	32427751	26	44	47	0.8989769	0.69647	
19	32428341	32428943	32428614	95	132	135	0.937756295	0.70089	
19	32429294	32429627	32429460	15	19	19	0.958908693	0.552451	
19	32429629	32429958	32429788	9	14	17	0.799090578	0.74177	
19	32429960	32430501	32430323	247	264	232	1.090604308	0.166538	
19	32431025	32431354	32431189	20	22	24	0.882195998	0.668517	
19	32493930	32494259	32494094	8	8	20	0.410960868	0.991048	
19	32561992	32562322	32562157	23	26	16	1.52297263	0.0820811	
19	32571356	32571686	32571525	16	18	10	1.656296833	0.0841786	
19	32593469	32593799	32593634	14	15	13	1.095895649	0.398774	
19	32616897	32617227	32617062	17	17	17	0.958908693	0.549739	
19	32658823	32659154	32658988	29	29	37	0.757033179	0.874819	
19	32900949	32901135	32901077	8	9	1	4.794543465	0.00708517	
19	33508070	33508262	33508166	8	8	11	0.71918152	0.777546	ENSG00000205243
19	33664833	33665285	33665079	63	72	2	23.33344486	3.30E-19	ENSG00000205243
19	34572153	34572625	34572312	15	25	8	2.770180669	0.00215826	VSTM2B ENSG00000187135
19	34788911	34789128	34789046	9	10	5	1.757999271	0.121253	POP4 ENSG00000105171
19	35865733	35865956	35865844	8	8	1	4.315089119	0.0127267	ENSG00000223148
19	37556454	37556886	37556707	13	22	2	7.351633313	1.51E-05	ZNF507 ENSG00000168813
19	38359688	38359944	38359802	15	17	11	1.43836304	0.15834	LRP3 ENSG00000130881
19	38481246	38481504	38481369	11	13	2	4.474907234	0.00269459	CEBPA ENSG00000184771
19	38533260	38533628	38533449	11	19	0	19.17817386	1.44E-06	CEBPG ENSG00000153879
19	38786134	38786493	38786307	14	20	0	20.13708255	7.37E-07	CHST8 ENSG00000124302
19	39916794	39917068	39916889	9	12	2	4.155271003	0.0046638	ZNF181 ENSG00000197841
19	39955864	39956059	39955964	8	8	4	1.726035648	0.150596	ZNF599 ENSG00000153896
19	40305754	40306031	40305897	10	11	2	3.835634772	0.00800699	FXVD3 ENSG00000089356
19	40350893	40351091	40351003	10	11	3	2.876726079	0.0213797	FXVD5 ENSG00000089327
19	40351094	40351366	40351257	8	11	3	2.876726079	0.0213797	FXVD5 ENSG00000089327
19	40399273	40399484	40399327	9	11	3	2.876726079	0.0213797	FAM187B ENSG00000177558
19	40510479	40510684	40510581	9	10	2	3.515998541	0.0136204	CD22 ENSG00000012124
19	40702216	40702395	40702305	8	8	1	4.315089119	0.0127267	DMKN ENSG00000161249
19	40758217	40758722	40758547	44	58	45	1.229904628	0.144288	ENSG00000209925
19	40876454	40876816	40876759	8	12	3	3.116453252	0.0131971	ZBTB32 ENSG00000011590
19	40933119	40933326	40933213	10	11	0	11.50690432	0.000313206	LIN37 ENSG00000188223

19	40971988	40972172	40972113	9	9	0	9.589086931	0.00120187	SNX26	ENSG00000004777
19	41118912	41119091	41119001	8	8	2	2.876726079	0.0381137	LRFN3	ENSG00000126243
19	41177762	41177966	41177864	8	10	5	1.757999271	0.121253		ENSG00000205138
19	41243310	41243498	41243404	8	9	0	9.589086931	0.00120187	WDR62	ENSG00000075702
19	41310533	41310865	41310699	11	15	4	3.068507818	0.0076507	CAPNS1	ENSG00000126247
19	41311223	41311449	41311390	10	13	0	13.4247217	8.16E-05	CAPNS1	ENSG00000126247
19	41319859	41320070	41319964	8	9	4	1.917817386	0.103282	CAPNS1	ENSG00000126247
19	41672149	41672537	41672358	10	17	8	1.917817386	0.0474153	ZNF566	ENSG00000186017
19	41849438	41849691	41849564	11	14	4	2.876726079	0.01219	ZNF461	ENSG00000197808
19	42650149	42650419	42650302	10	12	4	2.493162602	0.0299057	ZNF569	ENSG00000196437
19	42689695	42690033	42689864	9	15	9	1.534253909	0.136498	ZNF793	ENSG00000188227
19	43148692	43148998	43148845	18	20	2	6.712360851	4.91E-05	SIPA1L3	ENSG00000105738
19	43162250	43162554	43162377	11	14	0	14.3836304	4.17E-05	SIPA1L3	ENSG00000105738
19	43183673	43183937	43183798	8	10	1	5.273997812	0.00391723		ENSG00000221258
19	43460005	43460299	43460120	17	20	3	5.034270639	0.000202317	SPINT2	ENSG00000167642
19	43464443	43464717	43464580	8	10	2	3.515998541	0.0136204		ENSG00000200209
19	43557297	43557613	43557455	8	13	10	1.220429246	0.306001	PSMD8	ENSG00000099341
19	43841072	43841452	43841251	10	18	6	2.602752167	0.00970422	ACTN4	ENSG00000130402
19	43844594	43844872	43844733	13	14	6	2.054804342	0.0480281	ACTN4	ENSG00000130402
19	43866252	43866446	43866334	8	10	2	3.515998541	0.0136204	ACTN4	ENSG00000130402
19	43881593	43881793	43881693	8	9	1	4.794543465	0.00708517	CAPN12	ENSG00000182472
19	43957791	43958277	43958098	44	57	0	55.6167042	1.16E-17	LGALS7	ENSG00000205076
19	43969128	43969399	43969255	13	14	1	7.191815198	0.00034761	LGALS7B	ENSG00000178934
19	43975622	43975852	43975737	8	9	0	9.589086931	0.00120187		ENSG00000207296
19	44019406	44019709	44019550	21	26	3	6.472633678	6.96E-06	ECH1	ENSG00000104823
19	44020099	44020525	44020273	37	46	11	3.755725714	2.16E-06	ECH1	ENSG00000104823
19	44021085	44021342	44021209	11	13	0	13.4247217	8.16E-05	ECH1	ENSG00000104823
19	44031426	44031648	44031534	9	10	3	2.636998906	0.034203	HNRNPL	ENSG00000104824
19	44060404	44060662	44060542	8	10	1	5.273997812	0.00391723	RINL	ENSG00000187994
19	44157532	44157746	44157693	8	9	2	3.19636231	0.0229249	FBXO17	ENSG00000161241
19	44304608	44304839	44304723	8	9	0	9.589086931	0.00120187	PAK4	ENSG00000130669
19	44340317	44340561	44340467	11	13	2	4.474907234	0.00269459	PAK4	ENSG00000130669
19	44342942	44343152	44343082	9	11	5	1.917817386	0.0843804	PAK4	ENSG00000130669
19	44350070	44350295	44350201	9	10	3	2.636998906	0.034203	PAK4	ENSG00000130669

19	44594597	44594826	44594734	8	11	10	1.046082211	0.455063	PLEKHG2	ENSG00000090924
19	45007052	45007231	45007153	9	9	4	1.917817386	0.103282	DYRK1B	ENSG00000105204
19	45167084	45167346	45167215	14	15	1	7.671269544	0.000187863	PSMC4	ENSG00000013275
19	45483177	45483448	45483298	8	11	2	3.835634772	0.00800699	AKT2	ENSG00000105221
19	45499942	45500413	45500112	19	32	0	31.64398687	2.31E-10		ENSG00000206674
19	45500425	45500705	45500553	12	12	1	6.232906505	0.00117736		ENSG00000206674
19	45528841	45529222	45529039	31	39	3	9.589086931	3.26E-09		ENSG00000207281
19	45618544	45619029	45618793	8	17	3	4.315089119	0.00102271	SERTAD1	ENSG00000197019
19	45623669	45624159	45623912	43	62	9	6.041124766	6.43E-11	SERTAD1	ENSG00000197019
19	45643771	45644039	45643894	9	10	1	5.273997812	0.00391723	SERTAD3	ENSG00000167565
19	45864193	45864489	45864364	8	10	1	5.273997812	0.00391723		ENSG00000179368
19	45916757	45917049	45916915	8	11	6	1.643843474	0.137712	ITPKC	ENSG00000086544
19	46118801	46119040	46118920	8	9	5	1.598181155	0.170911	CYP2B7P1	ENSG00000197573
19	46119052	46119250	46119140	8	10	5	1.757999271	0.121253	CYP2B7P1	ENSG00000197573
19	46143259	46143874	46143483	19	40	5	6.552542736	4.67E-08	CYP2B7P1	ENSG00000197573
19	46211353	46211707	46211483	11	15	1	7.671269544	0.000187863	CYP2A7P1	ENSG00000213908
19	46416185	46416637	46416463	20	29	3	7.191815198	1.23E-06	AXL	ENSG00000167601
19	46459741	46460405	46460112	29	64	5	10.38817751	3.85E-14	HNRNPUL1	ENSG00000105323
19	46461808	46462108	46461935	8	11	5	1.917817386	0.0843804	HNRNPUL1	ENSG00000105323
19	46595314	46595570	46595442	9	11	5	1.917817386	0.0843804	BCKDHA	ENSG00000142046
19	46725968	46727126	46726555	286	399	0	383.5634772	1.56E-117	CEACAM21	ENSG00000007129
19	46793565	46793798	46793677	9	11	3	2.876726079	0.0213797	CEACAM21	ENSG00000007129
19	46795804	46796068	46795936	8	11	2	3.835634772	0.00800699	CEACAM21	ENSG00000007129
19	46981424	46981606	46981553	9	10	2	3.515998541	0.0136204	CEACAM3	ENSG00000170956
19	47031885	47032104	47031997	8	9	5	1.598181155	0.170911	LYPD4	ENSG00000183103
19	47055325	47056274	47056107	27	57	9	5.56167042	9.45E-10	RPS19	ENSG00000105372
19	47056335	47057512	47056511	25	71	5	11.50690432	5.64E-16	RPS19	ENSG00000105372
19	47080108	47080303	47080205	8	9	9	0.958908693	0.536911	ARHGEF1	ENSG00000076928
19	47153732	47154015	47153873	9	11	3	2.876726079	0.0213797	RABAC1	ENSG00000105404
19	47247609	47247883	47247746	12	15	3	3.835634772	0.00291691	GRIK5	ENSG00000105737
19	47247885	47248187	47248032	14	17	5	2.876726079	0.00703033	GRIK5	ENSG00000105737
19	47364358	47364593	47364475	8	9	2	3.19636231	0.0229249	POU2F2	ENSG00000028277
19	47438984	47439305	47439139	9	13	5	2.237453617	0.038866		ENSG00000204957
19	47464079	47464271	47464228	9	10	3	2.636998906	0.034203	ERF	ENSG00000105722

19	47548189	47548523	47548350	18	20	2	6.712360851	4.91E-05	MEGF8	ENSG00000105429
19	47597364	47597573	47597475	8	9	2	3.19636231	0.0229249	CNFN	ENSG00000105427
19	47616400	47616790	47616639	9	14	3	3.595907599	0.00486913	LIPE	ENSG00000079435
19	48344320	48344543	48344431	11	11	0	11.50690432	0.000313206	PSG5	ENSG00000204941
19	48950660	48950867	48950763	8	9	0	9.589086931	0.00120187	C19orf61	ENSG00000105771
19	48955444	48955776	48955610	10	14	6	2.054804342	0.0480281	C19orf61	ENSG00000105771
19	48978684	48979185	48978934	43	59	2	19.17817386	1.41E-15	KCNN4	ENSG00000104783
19	48980238	48980704	48980367	13	23	4	4.602761727	0.000137072	KCNN4	ENSG00000104783
19	49360792	49361033	49360912	8	11	4	2.301380863	0.0459276	ZNF226	ENSG00000167380
19	49408228	49408501	49408364	8	11	9	1.150690432	0.367789	ZNF227	ENSG00000131115
19	49473499	49473680	49473565	9	9	2	3.19636231	0.0229249	ZNF233	ENSG00000159915
19	49937004	49937431	49937252	16	23	6	3.287686948	0.00104919	BCL3	ENSG00000069399
19	49942624	49942892	49942758	9	11	4	2.301380863	0.0459276	BCL3	ENSG00000069399
19	49965895	49966148	49966010	14	15	5	2.557089848	0.0169197		ENSG00000216919
19	50228068	50228448	50228216	9	13	1	6.712360851	0.000640982	SFRS16	ENSG00000104859
19	50287829	50288202	50288047	8	13	4	2.684944341	0.01921	LRRC68	ENSG00000104866
19	50331401	50331733	50331567	16	21	4	4.219198249	0.000390041		ENSG00000213043
19	50501270	50501670	50501439	18	25	3	6.232906505	1.23E-05	CKM	ENSG00000104879
19	50595390	50595668	50595552	14	15	2	5.114179696	0.00088103	PPP1R13L	ENSG00000104881
19	50618919	50619206	50619050	16	18	2	6.073088389	0.000157975	ERCC1	ENSG00000012061
19	50825633	50825998	50825796	13	19	0	19.17817386	1.44E-06		ENSG00000199066
19	50827434	50827941	50827713	117	137	6	18.90419995	8.08E-33		ENSG00000199066
19	50833361	50833600	50833462	10	13	1	6.712360851	0.000640982		ENSG00000199066
19	50835950	50836150	50836024	8	9	2	3.19636231	0.0229249	EML2	ENSG00000125746
19	50836275	50836508	50836386	8	10	4	2.109599125	0.0694668	EML2	ENSG00000125746
19	50836657	50836913	50836785	8	11	2	3.835634772	0.00800699	EML2	ENSG00000125746
19	50841151	50841468	50841309	11	15	4	3.068507818	0.0076507		ENSG00000223232
19	50887078	50887282	50887209	8	10	6	1.506856518	0.188853	SNRPD2	ENSG00000125743
19	50912587	50912933	50912761	9	12	4	2.493162602	0.0299057		ENSG00000177051
19	51012239	51012515	51012377	9	12	8	1.385090334	0.219216	RSHL1	ENSG00000104941
19	51122877	51123098	51122987	10	12	5	2.077635502	0.0577144	NANOS2	ENSG00000188425
19	51328360	51329458	51328680	66	111	1	53.69888681	1.10E-31	IGFL3	ENSG00000188624
19	51354372	51354893	51354693	33	50	4	9.780868669	2.72E-11	IGFL3	ENSG00000188624
19	51541462	51541860	51541627	8	15	2	5.114179696	0.00088103	PPP5C	ENSG00000011485

19	51646448	51646672	51646590	10	11	0	11.50690432	0.000313206	PNMAL1	ENSG00000182013
19	51741707	51741896	51741801	8	9	4	1.917817386	0.103282		ENSG00000204851
19	51988291	51988598	51988423	11	13	1	6.712360851	0.000640982	SLC1A5	ENSG00000105281
19	52045541	52045725	52045585	8	9	2	3.19636231	0.0229249	AP2S1	ENSG00000042753
19	52058067	52058318	52058192	8	11	2	3.835634772	0.00800699	AP2S1	ENSG00000042753
19	52059017	52059274	52059153	8	10	1	5.273997812	0.00391723	AP2S1	ENSG00000042753
19	52061860	52062164	52062017	19	22	13	1.575349996	0.0840573	AP2S1	ENSG00000042753
19	52062432	52062641	52062533	11	12	3	3.116453252	0.0131971	AP2S1	ENSG00000042753
19	52120375	52120581	52120461	9	9	5	1.598181155	0.170911	GRLF1	ENSG00000160007
19	52230637	52230986	52230808	15	20	6	2.876726079	0.00408924	TMEM160	ENSG00000130748
19	52251815	52252154	52251984	29	32	1	15.82199344	3.96E-09	TMEM160	ENSG00000130748
19	52260983	52261167	52261052	8	8	0	8.630178238	0.00235436	TMEM160	ENSG00000130748
19	52274477	52274762	52274607	10	13	1	6.712360851	0.000640982	TMEM160	ENSG00000130748
19	52305006	52305209	52305131	10	10	3	2.636998906	0.034203	ZC3H4	ENSG00000130749
19	52305419	52305647	52305524	10	11	4	2.301380863	0.0459276	ZC3H4	ENSG00000130749
19	52320212	52320437	52320265	12	13	3	3.356180426	0.00805599	SAE1	ENSG00000142230
19	52347333	52348246	52347908	46	80	7	9.708950517	1.04E-16	SAE1	ENSG00000142230
19	52426351	52427202	52426530	109	159	2	51.14179696	6.00E-44	BBC3	ENSG00000105327
19	52427341	52427990	52427665	49	78	1	37.87689338	3.38E-22	BBC3	ENSG00000105327
19	52439099	52439642	52439463	12	23	4	4.602761727	0.000137072	BBC3	ENSG00000105327
19	52451397	52451584	52451449	9	11	2	3.835634772	0.00800699	CCDC9	ENSG00000105321
19	52678924	52679117	52679020	8	10	1	5.273997812	0.00391723	KPTN	ENSG00000118162
19	52776760	52777014	52776887	10	11	8	1.278544924	0.28289		ENSG00000223326
19	52837229	52837527	52837378	9	13	1	6.712360851	0.000640982	GLTSCR1	ENSG00000063169
19	52843411	52843681	52843531	9	12	10	1.133255728	0.37674	GLTSCR1	ENSG00000063169
19	53091988	53092274	53092131	22	26	0	25.89053471	1.31E-08		ENSG00000221072
19	53208259	53208463	53208345	10	10	2	3.515998541	0.0136204	ELSPBP1	ENSG00000169393
19	53248922	53249236	53249084	19	22	1	11.02744997	2.36E-06		ENSG00000221595
19	53255683	53255901	53255795	8	9	0	9.589086931	0.00120187		ENSG00000221595
19	53359533	53359947	53359804	19	28	7	3.476044012	0.000248863	LIG1	ENSG00000105486
19	53567965	53568174	53568017	9	10	3	2.636998906	0.034203	SYNGR4	ENSG00000105467
19	53622862	53623115	53622953	12	14	1	7.191815198	0.00034761	GRWD1	ENSG00000105447
19	53639559	53639738	53639630	8	8	0	8.630178238	0.00235436	GRWD1	ENSG00000105447
19	53683124	53683411	53683293	8	11	4	2.301380863	0.0459276	CYTH2	ENSG00000105443

19	53738573	53738857	53738713	9	11	7	1.43836304	0.204844	SULT2B1	ENSG00000088002
19	53814235	53814580	53814410	16	20	9	2.013708255	0.0279742	SPHK2	ENSG00000063176
19	53870618	53870804	53870666	8	8	3	2.157544559	0.0836802		ENSG00000142233
19	54150017	54150757	54150283	91	138	1	66.64415417	1.77E-39	BAX	ENSG00000087088
19	54188645	54189106	54188952	11	18	2	6.073088389	0.000157975	RUVBL2	ENSG00000183207
19	54292875	54293110	54292989	8	11	6	1.643843474	0.137712	SNRNP70	ENSG00000104852
19	54466974	54467690	54467403	51	92	7	11.14731356	8.13E-20	SLC6A16	ENSG00000063127
19	54558660	54559128	54558949	8	15	2	5.114179696	0.00088103	DKKL1	ENSG00000104901
19	54638549	54638870	54638709	11	13	2	4.474907234	0.00269459	SLC17A7	ENSG00000104888
19	54682693	54682886	54682788	8	9	2	3.19636231	0.0229249	RPL13A	ENSG00000142541
19	54741899	54742247	54742071	12	16	8	1.811271976	0.0663685	RCN3	ENSG00000142552
19	54776141	54776389	54776265	8	10	2	3.515998541	0.0136204	NOSIP	ENSG00000142546
19	55064698	55064908	55064803	10	12	4	2.493162602	0.0299057	PNKP	ENSG00000039650
19	55112099	55112280	55112189	8	9	2	3.19636231	0.0229249	ATF5	ENSG00000169136
19	55132803	55133016	55132909	9	11	5	1.917817386	0.0843804	IL4I1	ENSG00000104951
19	55220789	55221254	55220946	10	20	12	1.54900635	0.101141	ZNF473	ENSG00000142528
19	55246112	55246963	55246764	68	117	3	28.28780645	1.21E-30		ENSG00000204666
19	55410407	55410658	55410565	10	11	4	2.301380863	0.0459276	MYH14	ENSG00000105357
19	55674283	55674482	55674382	9	9	4	1.917817386	0.103282	FAM71E1	ENSG00000142530
19	55732832	55733078	55732929	11	12	5	2.077635502	0.0577144		ENSG00000204653
19	56091604	56091966	56091783	71	78	0	75.75378675	8.53E-24	KLKP1	ENSG00000197588
19	56211874	56212269	56212046	9	14	3	3.595907599	0.00486913	KLK10	ENSG00000129451
19	56323832	56324108	56323937	10	13	3	3.356180426	0.00805599	SIGLEC9	ENSG00000129450
19	56475406	56475734	56475570	17	20	1	10.06854128	8.32E-06		ENSG00000179213
19	56604034	56604237	56604135	9	10	9	1.054799562	0.4492	SIGLEC10	ENSG00000142512
19	56788399	56788606	56788502	8	11	6	1.643843474	0.137712		ENSG00000167765
19	56852084	56852352	56852218	9	10	2	3.515998541	0.0136204	SIGLEC14	ENSG00000197865
19	57181853	57182060	57181961	9	10	0	10.54799562	0.000613541	ZNF350	ENSG00000171032
19	57933104	57933370	57933257	13	15	0	15.34253909	2.13E-05		ENSG00000175885
19	58489779	58490588	58490362	245	309	5	49.54361581	2.14E-82	BIRC8	ENSG00000180152
19	58676105	58676385	58676247	10	11	3	2.876726079	0.0213797	ZNF813	ENSG00000198346
19	58715950	58716149	58716034	10	11	8	1.278544924	0.28289	ZNF331	ENSG00000130844
19	59037304	59037498	59037401	8	9	4	1.917817386	0.103282	NLRP12	ENSG00000142405
19	59310801	59311014	59310907	8	10	2	3.515998541	0.0136204	TFPT	ENSG00000105619

19	59392668	59392936	59392795	11	11	0	11.50690432	0.000313206	RPS9	ENSG00000170889
19	59814976	59815159	59815067	9	9	1	4.794543465	0.00708517		ENSG00000216269
19	60076847	60077133	60077022	13	16	2	5.433815927	0.000499302	FCAR	ENSG00000186431
19	60369216	60369396	60369276	8	8	2	2.876726079	0.0381137	C19orf51	ENSG00000167646
19	60419629	60419886	60419757	10	12	0	12.46581301	0.000159888	PTPRH	ENSG00000080031
19	60462409	60462652	60462545	11	13	2	4.474907234	0.00269459	SAPS1	ENSG00000105063
19	60541934	60542399	60542081	9	18	10	1.656296833	0.0841786	SUV420H2	ENSG00000133247
19	60547592	60548088	60547871	34	51	3	12.46581301	2.13E-12	SUV420H2	ENSG00000133247
19	60803178	60803361	60803269	8	8	1	4.315089119	0.0127267	ZNF524	ENSG00000171443
19	60804351	60804927	60804583	43	63	5	10.22835939	7.02E-14	ZNF524	ENSG00000171443
19	60838038	60838246	60838111	10	10	2	3.515998541	0.0136204	ZNF580	ENSG00000213015
19	61104627	61104908	61104765	8	11	0	11.50690432	0.000313206	NLRP13	ENSG00000173572
19	63481655	63481931	63481793	9	10	2	3.515998541	0.0136204	ZNF8	ENSG00000083842
19	63722810	63723183	63723006	13	19	3	4.794543465	0.000349205	ZBTB45	ENSG00000119574
2	627156	627356	627249	8	8	2	2.876726079	0.0381137	TMEM18	ENSG00000151353
2	1471532	1472268	1471901	210	338	3	81.26751174	7.95E-94	TPO	ENSG00000115705
2	1608044	1608402	1608223	14	20	3	5.034270639	0.000202317	PXDN	ENSG00000130508
2	1687707	1688116	1687948	54	62	3	15.10281192	2.26E-15	PXDN	ENSG00000130508
2	2974191	2974504	2974348	24	26	4	5.178106943	2.75E-05	TSSC1	ENSG00000032389
2	3426540	3426822	3426712	9	12	0	12.46581301	0.000159888		ENSG00000210538
2	3600537	3600808	3600672	13	13	10	1.220429246	0.306001	RPS7	ENSG00000171863
2	3684661	3684919	3684770	10	12	0	12.46581301	0.000159888	ALLC	ENSG00000151360
2	4380257	4380562	4380412	11	12	1	6.232906505	0.00117736		ENSG00000215960
2	5834812	5835015	5834913	9	9	3	2.397271733	0.0539397	SOX11	ENSG00000176887
2	5839764	5839943	5839832	8	8	4	1.726035648	0.150596	SOX11	ENSG00000176887
2	7089528	7089731	7089633	8	10	2	3.515998541	0.0136204		ENSG00000223145
2	8597531	8597815	8597673	16	18	8	2.024362796	0.0334397		ENSG00000182367
2	8768654	8768848	8768751	10	10	0	10.54799562	0.000613541	ID2	ENSG00000115738
2	8861591	8861886	8861760	12	15	2	5.114179696	0.00088103		ENSG00000134313
2	8913841	8914027	8913926	8	9	0	9.589086931	0.00120187		ENSG00000134313
2	8939806	8940123	8939964	8	12	1	6.232906505	0.00117736		ENSG00000134313
2	9056748	9056976	9056862	8	9	1	4.794543465	0.00708517	MBOAT2	ENSG00000143797
2	9139796	9140233	9139961	28	34	0	33.56180426	6.02E-11	MBOAT2	ENSG00000143797
2	9160435	9160705	9160578	8	9	4	1.917817386	0.103282	MBOAT2	ENSG00000143797

2	9161276	9161483	9161341	8	9	3	2.397271733	0.0539397	MBOAT2	ENSG00000143797
2	9702262	9702507	9702370	11	12	5	2.077635502	0.0577144	YWHAQ	ENSG00000134308
2	9720773	9720956	9720874	8	8	0	8.630178238	0.00235436	YWHAQ	ENSG00000134308
2	9866516	9866810	9866667	13	14	2	4.794543465	0.00154571	TAF1B	ENSG00000115750
2	9888030	9888243	9888080	10	12	6	1.78083043	0.0985525	TAF1B	ENSG00000115750
2	9900980	9901191	9901085	9	9	0	9.589086931	0.00120187	TAF1B	ENSG00000115750
2	10153586	10153890	10153738	10	14	3	3.595907599	0.00486913		ENSG00000212558
2	10410083	10410263	10410154	8	9	2	3.19636231	0.0229249	HPCAL1	ENSG00000115756
2	10463104	10463347	10463225	9	10	3	2.636998906	0.034203		ENSG00000206633
2	10583970	10584252	10584111	10	13	0	13.4247217	8.16E-05		ENSG00000217258
2	10814986	10815167	10815076	8	8	2	2.876726079	0.0381137	ATP6V1C2	ENSG00000143882
2	10993846	10994162	10993991	12	15	3	3.835634772	0.00291691	KCNF1	ENSG00000162975
2	11400448	11400878	11400622	8	13	2	4.474907234	0.00269459	ROCK2	ENSG00000134318
2	11523661	11524047	11523868	12	18	5	3.036544195	0.0044641	E2F6	ENSG00000169016
2	11588377	11588558	11588539	8	8	1	4.315089119	0.0127267		ENSG00000196208
2	11589957	11590371	11590178	30	39	11	3.19636231	5.26E-05		ENSG00000196208
2	11641787	11641967	11641805	9	10	3	2.636998906	0.034203		ENSG00000210722
2	11714249	11714461	11714372	8	10	1	5.273997812	0.00391723		ENSG00000220847
2	11746118	11746319	11746212	9	10	1	5.273997812	0.00391723	NTSR2	ENSG00000169006
2	11801721	11801973	11801842	14	16	2	5.433815927	0.000499302	LPIN1	ENSG00000134324
2	12566294	12566560	12566406	10	12	0	12.46581301	0.000159888		ENSG00000207183
2	13739589	13739850	13739719	9	9	0	9.589086931	0.00120187		
2	13754278	13754713	13754499	44	56	0	54.6577955	2.27E-17		
2	14181391	14181678	14181518	9	10	1	5.273997812	0.00391723		ENSG00000210748
2	14345598	14346230	14345767	63	84	1	40.75361945	6.43E-24		ENSG00000210748
2	14630357	14630607	14630500	8	10	2	3.515998541	0.0136204	FAM84A	ENSG00000162981
2	14686516	14686952	14686734	43	55	3	13.4247217	1.79E-13	FAM84A	ENSG00000162981
2	14838774	14839051	14838914	9	11	2	3.835634772	0.00800699	FAM84A	ENSG00000162981
2	15618800	15619085	15618975	10	13	3	3.356180426	0.00805599		ENSG00000151779
2	15788204	15788450	15788290	10	11	2	3.835634772	0.00800699		ENSG00000202160
2	15969850	15970137	15969993	10	12	2	4.155271003	0.0046638		ENSG00000210765
2	16697628	16697984	16697806	24	29	2	9.589086931	2.21E-07	FAM49A	ENSG00000197872
2	17354465	17354771	17354616	9	11	1	5.753452158	0.00215302		ENSG00000214843
2	17515651	17515844	17515782	8	9	0	9.589086931	0.00120187		ENSG00000214842

2	17860350	17860804	17860573	53	77	1	37.39743903	6.55E-22	MSGN1	ENSG00000151379
2	18565319	18565547	18565426	8	8	4	1.726035648	0.150596	NT5C1B	ENSG00000185013
2	19136818	19137149	19136980	15	18	11	1.518272097	0.122037	OSR1	ENSG00000143867
2	19195074	19195412	19195237	9	12	4	2.493162602	0.0299057	OSR1	ENSG00000143867
2	19291978	19292559	19292200	91	117	5	18.85853763	2.21E-28	OSR1	ENSG00000143867
2	19556830	19557020	19556949	9	9	2	3.19636231	0.0229249	OSR1	ENSG00000143867
2	19592861	19593070	19593010	8	8	2	2.876726079	0.0381137	OSR1	ENSG00000143867
2	19717916	19718429	19718095	29	40	1	19.65762821	2.24E-11	CISD1B	ENSG00000143880
2	19730443	19730622	19730563	8	8	3	2.157544559	0.0836802	CISD1B	ENSG00000143880
2	20024124	20024382	20024253	12	13	1	6.712360851	0.000640982	WDR35	ENSG00000118965
2	20156155	20156412	20156283	8	12	1	6.232906505	0.00117736	LAPTM4A	ENSG00000068697
2	20276279	20276651	20276437	14	18	11	1.518272097	0.122037	SDC1	ENSG00000115884
2	20294871	20295099	20295000	8	11	3	2.876726079	0.0213797	SDC1	ENSG00000115884
2	20417086	20417285	20417148	10	11	1	5.753452158	0.00215302	PUM2	ENSG00000055917
2	20419438	20419617	20419482	8	8	2	2.876726079	0.0381137	PUM2	ENSG00000055917
2	20529343	20529543	20529473	9	11	3	2.876726079	0.0213797		ENSG00000200829
2	20641167	20641441	20641304	9	13	1	6.712360851	0.000640982		ENSG00000219263
2	20647842	20648178	20647999	20	25	5	4.155271003	0.000149583		ENSG00000219263
2	20724779	20724988	20724853	8	8	5	1.43836304	0.235762	GDF7	ENSG00000143869
2	20886178	20886444	20886275	13	14	1	7.191815198	0.00034761	C2orf43	ENSG00000118961
2	23731089	23731488	23731286	27	35	0	34.52071295	3.07E-11	KBTBD9	ENSG00000119771
2	24003618	24003878	24003713	12	15	5	2.557089848	0.0169197	UBXN2A	ENSG00000173960
2	24152555	24152815	24152688	8	10	2	3.515998541	0.0136204		ENSG00000115128
2	24160184	24161109	24160726	27	61	6	8.493191281	1.31E-12	TP53I3	ENSG00000115129
2	24240844	24241043	24240991	9	9	2	3.19636231	0.0229249		ENSG00000186453
2	24486359	24486592	24486475	9	11	2	3.835634772	0.00800699		ENSG00000211550
2	24870172	24870428	24870267	8	10	2	3.515998541	0.0136204	CENPO	ENSG00000138092
2	24961454	24961698	24961535	14	16	1	8.150723891	0.000101217	ADCY3	ENSG00000138031
2	25154849	25155201	25155034	8	12	3	3.116453252	0.0131971		ENSG00000219935
2	25260785	25261146	25261010	9	14	4	2.876726079	0.01219	POMC	ENSG00000115138
2	25695056	25695489	25695339	11	18	1	9.109632584	2.91E-05	DTNB	ENSG00000138101
2	25776750	25776948	25776857	8	8	1	4.315089119	0.0127267		ENSG00000201160
2	26085264	26085509	26085386	12	13	5	2.237453617	0.038866		ENSG00000220917
2	26152735	26152914	26152824	8	8	10	0.784561658	0.708731		ENSG00000199872

2	26431845	26432166	26432081	10	14	1	7.191815198	0.00034761		ENSG00000138018
2	26747461	26747673	26747573	8	9	1	4.794543465	0.00708517		ENSG00000216626
2	26861619	26861812	26861726	8	8	1	4.315089119	0.0127267	CENPA	ENSG00000115163
2	26885582	26885877	26885729	14	14	2	4.794543465	0.00154571		ENSG00000217550
2	27126925	27127522	27127126	20	43	10	3.835634772	3.45E-06	AGBL5	ENSG00000084693
2	27157650	27157858	27157745	11	11	3	2.876726079	0.0213797	EMILIN1	ENSG00000138080
2	27241691	27242053	27241870	24	31	6	4.383582597	2.10E-05		ENSG00000216392
2	27254468	27254659	27254537	8	8	3	2.157544559	0.0836802		ENSG00000216392
2	27267983	27268250	27268112	9	10	0	10.54799562	0.000613541	SLC5A6	ENSG00000138074
2	27286172	27286556	27286351	8	15	5	2.557089848	0.0169197	SLC5A6	ENSG00000138074
2	27369762	27370060	27369932	10	14	5	2.397271733	0.0258078	TRIM54	ENSG00000138100
2	27397531	27397776	27397638	9	10	6	1.506856518	0.188853	MPV17	ENSG00000115204
2	27446790	27447020	27446905	8	9	2	3.19636231	0.0229249	SNX17	ENSG00000115234
2	27471778	27472126	27471955	19	24	0	23.97271733	5.01E-08	FTHL3P	ENSG00000213453
2	27782293	27783185	27782729	79	134	2	43.15089119	8.58E-37		ENSG00000205334
2	27848015	27848261	27848127	10	10	0	10.54799562	0.000613541	MRPL33	ENSG00000163797
2	28248656	28249121	28248898	50	64	2	20.77635502	5.71E-17		ENSG00000197918
2	28360257	28360745	28360429	15	24	3	5.993179332	2.17E-05	FOSL2	ENSG00000075426
2	28642397	28642588	28642491	9	10	1	5.273997812	0.00391723	PLB1	ENSG00000163803
2	28971508	28972331	28971738	47	74	3	17.97953799	1.17E-18	WDR43	ENSG00000163811
2	29035138	29035350	29035244	11	12	1	6.232906505	0.00117736	FAM179A	ENSG00000189350
2	29144923	29145134	29145029	8	8	1	4.315089119	0.0127267	C2orf71	ENSG00000179270
2	29306591	29306857	29306724	8	12	4	2.493162602	0.0299057	CLIP4	ENSG00000115295
2	29309913	29310211	29310048	10	12	6	1.78083043	0.0985525	CLIP4	ENSG00000115295
2	29380932	29381139	29380996	8	9	1	4.794543465	0.00708517	CLIP4	ENSG00000115295
2	29715095	29715390	29715251	14	17	0	17.26035648	5.54E-06		ENSG00000222996
2	29766473	29766652	29766562	8	8	0	8.630178238	0.00235436		ENSG00000222996
2	29824577	29824879	29824724	14	15	3	3.835634772	0.00291691		ENSG00000222996
2	30042544	30043105	30042767	106	137	0	132.3293996	5.04E-41	ALK	ENSG00000171094
2	30294171	30294427	30294345	8	9	5	1.598181155	0.170911		ENSG00000217617
2	30788009	30788266	30788137	8	9	2	3.19636231	0.0229249		ENSG00000219426
2	30832429	30832833	30832679	11	19	6	2.739739123	0.00632909		ENSG00000219426
2	30848813	30849019	30848921	9	10	0	10.54799562	0.000613541		ENSG00000219426
2	31025001	31025190	31025095	8	8	1	4.315089119	0.0127267		ENSG00000216093

2	32089601	32089969	32089805	8	13	2	4.474907234	0.00269459	MEMO1	ENSG00000162959
2	32393844	32394023	32393878	8	8	0	8.630178238	0.00235436		ENSG00000211097
2	33092940	33093275	33093107	18	22	0	22.05489994	1.92E-07		ENSG00000217182
2	33370005	33370292	33370127	10	13	3	3.356180426	0.00805599		ENSG00000212204
2	33888834	33889024	33888929	10	10	1	5.273997812	0.00391723		ENSG00000219819
2	34657209	34657467	34657338	14	14	1	7.191815198	0.00034761		ENSG00000212025
2	35377177	35377422	35377275	9	12	5	2.077635502	0.0577144		ENSG00000217899
2	36642183	36642364	36642273	8	8	0	8.630178238	0.00235436		ENSG00000217075
2	36786091	36786326	36786208	9	10	1	5.273997812	0.00391723	VIT	ENSG00000205221
2	37260730	37260987	37260858	8	10	5	1.757999271	0.121253	SULT6B1	ENSG00000138068
2	37362603	37362783	37362699	8	8	0	8.630178238	0.00235436	PRKD3	ENSG00000115825
2	37442046	37442398	37442222	16	21	2	7.031997082	2.73E-05	QPCT	ENSG00000115828
2	37710162	37710544	37710366	9	15	0	15.34253909	2.13E-05	CDC42EP3	ENSG00000163171
2	37734669	37735123	37734906	58	78	3	18.93844669	9.21E-20	CDC42EP3	ENSG00000163171
2	37867513	37867937	37867740	102	120	1	58.01397593	2.79E-34		ENSG00000213595
2	38107509	38108048	38107686	35	53	2	17.26035648	6.53E-14	CYP1B1	ENSG00000138061
2	38176911	38177138	38177024	12	12	2	4.155271003	0.0046638	CYP1B1	ENSG00000138061
2	38235869	38236089	38235950	8	8	0	8.630178238	0.00235436		ENSG00000199603
2	38697092	38697350	38697221	14	15	2	5.114179696	0.00088103	HNRPLL	ENSG00000143889
2	38771477	38771756	38771616	16	18	5	3.036544195	0.0044641	GALM	ENSG00000143891
2	39485908	39486204	39486056	8	12	1	6.232906505	0.00117736	MAP4K3	ENSG00000011566
2	39588159	39588349	39588283	8	8	3	2.157544559	0.0836802		ENSG00000211215
2	40925056	40925314	40925156	8	11	5	1.917817386	0.0843804	SLC8A1	ENSG00000183023
2	41803386	41803755	41803649	8	14	1	7.191815198	0.00034761		ENSG00000213574
2	42167145	42167353	42167249	8	9	2	3.19636231	0.0229249		ENSG00000162878
2	42213672	42213883	42213777	9	10	6	1.506856518	0.188853	EML4	ENSG00000143924
2	42407869	42408103	42407986	13	16	1	8.150723891	0.000101217	EML4	ENSG00000143924
2	42423175	42423387	42423280	8	8	6	1.232882605	0.333038	COX7A2L	ENSG00000115944
2	42575605	42575841	42575739	10	11	12	0.885146486	0.620672	MTA3	ENSG00000057935
2	42595495	42595701	42595590	8	9	4	1.917817386	0.103282		ENSG00000217380
2	42643178	42643430	42643292	9	9	4	1.917817386	0.103282	MTA3	ENSG00000057935
2	42876480	42877198	42876815	63	107	0	103.5621389	2.90E-32		ENSG00000217155
2	42908643	42908881	42908798	9	9	2	3.19636231	0.0229249		ENSG00000218916
2	42909332	42909610	42909464	8	10	4	2.109599125	0.0694668		ENSG00000218916

2	43132093	43132313	43132200	8	9	0	9.589086931	0.00120187		ENSG00000207087
2	43258734	43258916	43258825	8	11	0	11.50690432	0.000313206	ZFP36L2	ENSG00000152518
2	43310235	43310458	43310330	8	9	2	3.19636231	0.0229249		ENSG00000178006
2	43470394	43470622	43470496	9	9	3	2.397271733	0.0539397		ENSG00000211259
2	43507142	43507400	43507264	11	12	12	0.958908693	0.542188		ENSG00000211259
2	43519063	43519255	43519159	8	9	3	2.397271733	0.0539397		ENSG00000211259
2	43543900	43544184	43544023	9	12	5	2.077635502	0.0577144		ENSG00000211259
2	43559120	43559357	43559281	10	11	1	5.753452158	0.00215302		ENSG00000211259
2	43715271	43715555	43715413	15	16	3	4.075361945	0.00173346	PLEKHH2	ENSG00000152527
2	44372331	44372617	44372474	11	11	6	1.643843474	0.137712	SLC3A1	ENSG00000138079
2	44629812	44630141	44629976	10	13	1	6.712360851	0.000640982	C2orf34	ENSG00000143919
2	45691861	45692106	45691963	8	11	5	1.917817386	0.0843804	SRBD1	ENSG00000068784
2	45734908	45735181	45735044	8	9	2	3.19636231	0.0229249	PRKCE	ENSG00000171132
2	45756063	45756350	45756210	12	14	5	2.397271733	0.0258078	PRKCE	ENSG00000171132
2	45833217	45833503	45833360	8	9	5	1.598181155	0.170911	PRKCE	ENSG00000171132
2	45930099	45930479	45930296	30	39	2	12.78544924	4.53E-10	PRKCE	ENSG00000171132
2	45932306	45932508	45932472	11	11	1	5.753452158	0.00215302	PRKCE	ENSG00000171132
2	45990271	45990631	45990450	10	15	3	3.835634772	0.00291691	PRKCE	ENSG00000171132
2	46019356	46019805	46019493	13	22	9	2.205489994	0.0136443	PRKCE	ENSG00000171132
2	46089017	46089424	46089253	21	32	0	31.64398687	2.31E-10		ENSG00000217939
2	46244790	46245241	46244969	9	18	2	6.073088389	0.000157975	EPAS1	ENSG00000116016
2	46252694	46253433	46253147	86	128	9	12.36992214	1.42E-27	EPAS1	ENSG00000116016
2	46253697	46253969	46253828	8	9	1	4.794543465	0.00708517	EPAS1	ENSG00000116016
2	46367384	46367603	46367539	8	8	3	2.157544559	0.0836802	EPAS1	ENSG00000116016
2	46515762	46515999	46515889	9	10	2	3.515998541	0.0136204		ENSG00000211311
2	46726282	46726602	46726442	11	13	2	4.474907234	0.00269459		ENSG00000203445
2	46727647	46728025	46727846	19	25	2	8.310542006	2.50E-06		ENSG00000203445
2	46857490	46857842	46857666	8	11	4	2.301380863	0.0459276		ENSG00000222005
2	46945057	46945268	46945213	8	9	1	4.794543465	0.00708517		ENSG00000222005
2	46969737	46969929	46969829	8	8	4	1.726035648	0.150596	MCFD2	ENSG00000180398
2	47048616	47048869	47048787	10	14	1	7.191815198	0.00034761	TTC7A	ENSG00000068724
2	47135963	47136207	47136030	9	12	0	12.46581301	0.000159888	C2orf61	ENSG00000162864
2	47257217	47257522	47257359	11	13	6	1.917817386	0.0693353	CALM2	ENSG00000143933
2	47420625	47421053	47420787	10	18	8	2.024362796	0.0334397	TACSTD1	ENSG00000119888

2	47987262	47987515	47987383	9	11	0	11.50690432	0.000313206	FBXO11	ENSG00000138081
2	48145886	48146125	48146005	9	12	0	12.46581301	0.000159888		ENSG00000217681
2	48396226	48396421	48396355	8	9	2	3.19636231	0.0229249	FOXN2	ENSG00000170802
2	48396427	48396917	48396753	9	18	3	4.554816292	0.000599415	FOXN2	ENSG00000170802
2	48501351	48501652	48501501	14	14	12	1.106433107	0.392094	KLRAQ1	ENSG00000162869
2	48521097	48521383	48521235	8	9	0	9.589086931	0.00120187	KLRAQ1	ENSG00000162869
2	48921764	48922383	48921955	52	71	2	23.01380863	6.29E-19	TCEB2	ENSG00000217429
2	48992792	48993047	48992923	9	10	1	5.273997812	0.00391723		ENSG00000214602
2	50606379	50606811	50606558	22	33	3	8.150723891	1.18E-07	NRXN1	ENSG00000179915
2	50627442	50627673	50627557	9	10	1	5.273997812	0.00391723		ENSG00000218921
2	50827283	50827463	50827373	8	9	2	3.19636231	0.0229249		ENSG00000216191
2	51337437	51337640	51337537	9	10	0	10.54799562	0.000613541		ENSG00000222692
2	54411538	54411855	54411696	8	13	5	2.237453617	0.038866	C2orf73	ENSG00000177994
2	54660394	54660624	54660521	10	11	5	1.917817386	0.0843804	SPTBN1	ENSG00000115306
2	54700635	54700938	54700786	16	19	1	9.589086931	1.56E-05	SPTBN1	ENSG00000115306
2	55060274	55060573	55060431	11	15	1	7.671269544	0.000187863	RTN4	ENSG00000115310
2	55158862	55159129	55159017	13	14	1	7.191815198	0.00034761	RTN4	ENSG00000115310
2	55349689	55350067	55349915	11	17	1	8.630178238	5.44E-05	MTIF2	ENSG00000085760
2	55592168	55592396	55592282	8	8	1	4.315089119	0.0127267	CCDC104	ENSG00000163001
2	55698231	55698448	55698339	8	10	8	1.171999514	0.35773	SMEK2	ENSG00000138041
2	56024166	56024456	56024282	20	22	2	7.351633313	1.51E-05		ENSG00000202344
2	56459683	56460075	56459896	55	64	4	12.46581301	5.53E-15		ENSG00000199395
2	57915009	57915246	57915100	10	13	1	6.712360851	0.000640982	VRK2	ENSG00000028116
2	58127126	58127377	58127262	8	10	3	2.636998906	0.034203	VRK2	ENSG00000028116
2	60580496	60580888	60580715	10	17	1	8.630178238	5.44E-05	BCL11A	ENSG00000119866
2	61097784	61098017	61097900	8	9	2	3.19636231	0.0229249	PEX13	ENSG00000162928
2	61261147	61261377	61261262	11	12	4	2.493162602	0.0299057	AHSA2	ENSG00000173209
2	61358346	61358888	61358651	25	38	0	37.39743903	4.09E-12	AHSA2	ENSG00000173209
2	61934713	61935033	61934873	8	12	2	4.155271003	0.0046638	FAM161A	ENSG00000170264
2	61969342	61969574	61969480	9	10	5	1.757999271	0.121253	CCT4	ENSG00000115484
2	62040533	62041316	62040757	100	132	3	31.88371404	7.15E-35		ENSG00000209229
2	62041454	62041670	62041562	8	9	3	2.397271733	0.0539397		ENSG00000209229
2	62041847	62042306	62042095	62	74	1	35.95907599	4.74E-21		ENSG00000209229
2	62230395	62230682	62230538	8	10	2	3.515998541	0.0136204		ENSG00000220214

2	62387315	62387494	62387411	8	8	5	1.43836304	0.235762		ENSG00000209133
2	62387585	62387860	62387722	13	16	7	2.037680973	0.0400399		ENSG00000209133
2	63159625	63159820	63159667	8	9	3	2.397271733	0.0539397	OTX1	ENSG00000115507
2	63203630	63203828	63203729	8	8	2	2.876726079	0.0381137		ENSG00000209139
2	63269666	63269869	63269744	9	11	2	3.835634772	0.00800699		ENSG00000209278
2	63669257	63669591	63669436	13	17	3	4.315089119	0.00102271		ENSG00000143951
2	64224110	64224309	64224209	8	9	2	3.19636231	0.0229249	PELI1	ENSG00000197329
2	64314841	64315129	64314985	9	11	0	11.50690432	0.000313206	PELI1	ENSG00000197329
2	64597284	64597492	64597388	10	11	2	3.835634772	0.00800699	AFTPH	ENSG00000119844
2	64680230	64680482	64680356	9	10	7	1.318499453	0.269217		ENSG00000209305
2	64811363	64811557	64811412	9	9	1	4.794543465	0.00708517	SERTAD2	ENSG00000179833
2	64816274	64816509	64816391	10	10	2	3.515998541	0.0136204		ENSG00000209316
2	64912407	64912772	64912580	22	28	4	5.56167042	9.22E-06		ENSG00000199964
2	65087234	65087563	65087404	13	16	2	5.433815927	0.000499302		ENSG00000209008
2	65145492	65145774	65145633	9	11	1	5.753452158	0.00215302	CEP68	ENSG00000011523
2	65149423	65149843	65149623	39	53	1	25.89053471	4.67E-15	CEP68	ENSG00000011523
2	65210323	65210515	65210395	9	11	1	5.753452158	0.00215302	RAB1A	ENSG00000138069
2	65210522	65210745	65210668	9	12	3	3.116453252	0.0131971	RAB1A	ENSG00000138069
2	65308848	65309053	65308932	9	9	1	4.794543465	0.00708517	ACTR2	ENSG00000138071
2	65447290	65447589	65447413	9	12	2	4.155271003	0.0046638	SPRED2	ENSG00000198369
2	65454025	65454338	65454181	10	11	3	2.876726079	0.0213797	SPRED2	ENSG00000198369
2	65458408	65458711	65458558	10	12	7	1.558226626	0.152813	SPRED2	ENSG00000198369
2	65513135	65513669	65513378	12	22	4	4.410979988	0.000231863	SPRED2	ENSG00000198369
2	65516361	65516625	65516483	9	10	2	3.515998541	0.0136204		ENSG00000204929
2	65618753	65619175	65618964	42	54	1	26.36998906	2.43E-15		ENSG00000208992
2	65721131	65721533	65721379	9	15	0	15.34253909	2.13E-05		ENSG00000214533
2	66628571	66628754	66628648	8	8	2	2.876726079	0.0381137	MEIS1	ENSG00000143995
2	67532182	67532538	67532360	17	22	1	11.02744997	2.36E-06	ETAA1	ENSG00000143971
2	68203091	68203275	68203183	8	8	2	2.876726079	0.0381137	WDR92	ENSG00000221823
2	68238097	68238481	68238302	18	25	4	4.986325204	4.72E-05	WDR92	ENSG00000221823
2	68331739	68332171	68331906	10	17	2	5.753452158	0.000281509	PPP3R1	ENSG00000115953
2	68790452	68790644	68790548	10	10	1	5.273997812	0.00391723	ARHGAP25	ENSG00000163219
2	68825153	68825499	68825323	13	18	1	9.109632584	2.91E-05	ARHGAP25	ENSG00000163219
2	68879836	68880015	68879913	8	8	4	1.726035648	0.150596	ARHGAP25	ENSG00000163219

2	68917848	68918207	68918059	8	12	3	3.116453252	0.0131971	BMP10	ENSG00000163217
2	68997696	68997936	68997823	12	12	1	6.232906505	0.00117736	GKN2	ENSG00000183607
2	69163463	69163652	69163580	8	9	5	1.598181155	0.170911	ANTXR1	ENSG00000169604
2	69401098	69401296	69401192	8	8	0	8.630178238	0.00235436		ENSG00000208985
2	69517297	69517561	69517412	8	11	0	11.50690432	0.000313206	NFU1	ENSG00000169599
2	69728976	69729254	69729109	11	15	0	15.34253909	2.13E-05		ENSG00000220011
2	69862137	69862420	69862278	8	10	4	2.109599125	0.0694668	ANXA4	ENSG00000196975
2	69995337	69995577	69995487	8	8	2	2.876726079	0.0381137	MXD1	ENSG00000059728
2	70027978	70028192	70028058	8	10	2	3.515998541	0.0136204		ENSG00000208950
2	70126585	70126820	70126702	9	9	3	2.397271733	0.0539397	PCBP1	ENSG00000169564
2	70151545	70151796	70151633	8	11	0	11.50690432	0.000313206	PCBP1	ENSG00000169564
2	70221837	70222235	70222000	10	17	3	4.315089119	0.00102271	C2orf42	ENSG00000115998
2	70223398	70223624	70223527	9	9	2	3.19636231	0.0229249	C2orf42	ENSG00000115998
2	70677197	70678008	70677728	75	107	5	17.26035648	1.20E-25	TGFA	ENSG00000163235
2	71075588	71075858	71075723	9	12	1	6.232906505	0.00117736	TEX261	ENSG00000144043
2	71210336	71210678	71210565	8	13	4	2.684944341	0.01921	MCEE	ENSG00000124370
2	71808344	71808616	71808480	22	27	2	8.949814469	7.46E-07	DYSF	ENSG00000135636
2	71828287	71828559	71828454	17	20	4	4.027416511	0.000652226	DYSF	ENSG00000135636
2	71961514	71961887	71961687	23	29	2	9.589086931	2.21E-07	CYP26B1	ENSG00000003137
2	72176904	72177103	72177017	9	9	0	9.589086931	0.00120187	CYP26B1	ENSG00000003137
2	72908676	72908878	72908762	8	8	0	8.630178238	0.00235436	EXOC6B	ENSG00000144036
2	72974380	72975041	72974832	17	39	0	38.35634772	2.09E-12	SPR	ENSG00000116096
2	73419584	73419797	73419718	8	10	3	2.636998906	0.034203		ENSG00000214484
2	73857757	73858071	73857914	28	28	0	27.8083521	3.40E-09	DUSP11	ENSG00000144048
2	74064294	74064619	74064470	16	19	8	2.130908207	0.0233014		ENSG00000201876
2	74090943	74091359	74091122	28	36	5	5.913270274	4.32E-07	TET3	ENSG00000187605
2	74268907	74269248	74269075	16	21	2	7.031997082	2.73E-05	MOBKL1B	ENSG00000114978
2	74342221	74342480	74342350	11	14	2	4.794543465	0.00154571	SLC4A5	ENSG00000188687
2	74472569	74472806	74472687	10	10	4	2.109599125	0.0694668	DCTN1	ENSG00000204843
2	74535557	74535829	74535656	11	14	5	2.397271733	0.0258078	INO80B	ENSG00000221956
2	74588936	74589182	74589064	8	10	2	3.515998541	0.0136204	PCGF1	ENSG00000115289
2	75039640	75039846	75039743	8	8	1	4.315089119	0.0127267	POLE4	ENSG00000115350
2	75426437	75426618	75426527	9	9	1	4.794543465	0.00708517		ENSG00000208916
2	75460502	75460776	75460639	14	16	0	16.30144778	1.09E-05		ENSG00000208916

2	75721238	75721447	75721325	8	8	3	2.157544559	0.0836802		ENSG00000208911
2	75836651	75836877	75836764	9	11	1	5.753452158	0.00215302	C2orf3	ENSG00000005436
2	75977439	75977661	75977547	8	9	1	4.794543465	0.00708517	C2orf3	ENSG00000005436
2	81006911	81007144	81007027	8	9	0	9.589086931	0.00120187		ENSG00000212001
2	83931718	83932028	83931870	10	12	0	12.46581301	0.000159888		ENSG00000199295
2	84136563	84136838	84136700	11	14	1	7.191815198	0.00034761		ENSG00000182814
2	84158307	84158616	84158448	9	12	0	12.46581301	0.000159888		ENSG00000182814
2	84945685	84945935	84945810	9	11	13	0.821921737	0.693119		ENSG00000208827
2	84962660	84962884	84962772	8	9	5	1.598181155	0.170911		ENSG00000186854
2	84974786	84974993	84974889	9	11	12	0.885146486	0.620672	TMSB10	ENSG00000034510
2	85006288	85006769	85006603	17	25	9	2.493162602	0.00432225		ENSG00000213399
2	85038672	85039001	85038836	8	11	7	1.43836304	0.204844	KCMF1	ENSG00000176407
2	85039096	85039371	85039233	10	12	3	3.116453252	0.0131971	KCMF1	ENSG00000176407
2	85050541	85050873	85050707	8	13	5	2.237453617	0.038866	KCMF1	ENSG00000176407
2	85051027	85051217	85051122	9	9	1	4.794543465	0.00708517	KCMF1	ENSG00000176407
2	85072494	85072755	85072611	11	14	2	4.794543465	0.00154571	KCMF1	ENSG00000176407
2	85095409	85095702	85095555	43	44	2	14.3836304	1.96E-11	KCMF1	ENSG00000176407
2	85172526	85172758	85172642	13	13	0	13.4247217	8.16E-05	TCF7L1	ENSG00000152284
2	85213076	85213378	85213240	8	11	3	2.876726079	0.0213797	TCF7L1	ENSG00000152284
2	85381015	85381268	85381151	9	11	8	1.278544924	0.28289		ENSG00000221579
2	85435011	85435635	85435250	18	33	14	2.173526371	0.00425345	RETSAT	ENSG00000042445
2	85501943	85502157	85502040	8	10	2	3.515998541	0.0136204	SH2D6	ENSG00000152292
2	85556958	85557173	85557057	9	11	1	5.753452158	0.00215302		ENSG00000199936
2	85619400	85619710	85619571	10	13	6	1.917817386	0.0693353	MAT2A	ENSG00000168906
2	85641276	85641482	85641379	9	9	1	4.794543465	0.00708517	GGCX	ENSG00000115486
2	85658234	85658541	85658387	8	12	4	2.493162602	0.0299057	VAMP8	ENSG00000118640
2	85787883	85788254	85788075	10	17	1	8.630178238	5.44E-05	GNLY	ENSG00000115523
2	85823253	85823462	85823342	11	12	4	2.493162602	0.0299057	ATOH8	ENSG00000168874
2	85853078	85853355	85853250	11	14	2	4.794543465	0.00154571	ATOH8	ENSG00000168874
2	86016448	86016642	86016517	8	8	0	8.630178238	0.00235436	ST3GAL5	ENSG00000115525
2	86160589	86160791	86160707	8	9	3	2.397271733	0.0539397	POLR1A	ENSG00000068654
2	86185887	86186178	86186052	8	13	5	2.237453617	0.038866	POLR1A	ENSG00000068654
2	86186292	86186883	86186471	8	21	9	2.109599125	0.0196396	POLR1A	ENSG00000068654
2	86276329	86276616	86276451	8	12	7	1.558226626	0.152813	IMMT	ENSG00000132305

2	86279917	86280283	86280123	9	15	9	1.534253909	0.136498	MRPL35	ENSG00000132313
2	86330202	86330401	86330301	8	8	0	8.630178238	0.00235436	MRPL35	ENSG00000132313
2	86355083	86355262	86355151	8	8	1	4.315089119	0.0127267	REEP1	ENSG00000068615
2	86373060	86373262	86373142	8	8	2	2.876726079	0.0381137	REEP1	ENSG00000068615
2	86506874	86507686	86507151	57	86	17	4.63472535	3.59E-12	JMJD1A	ENSG00000115548
2	86521349	86521613	86521490	8	11	4	2.301380863	0.0459276	JMJD1A	ENSG00000115548
2	86643885	86644491	86644215	51	72	6	10.0000478	2.01E-15	VPS24	ENSG00000115561
2	86845388	86845712	86845553	8	11	6	1.643843474	0.137712	CD8A	ENSG00000153563
2	88240627	88240841	88240734	10	10	7	1.318499453	0.269217	THNSL2	ENSG00000144115
2	88272148	88272876	88272374	118	161	11	12.94526736	1.55E-34	THNSL2	ENSG00000144115
2	88346261	88346630	88346437	9	14	4	2.876726079	0.01219		ENSG00000202012
2	88431607	88431940	88431773	13	18	4	3.643853034	0.00178791		ENSG00000212133
2	88570378	88570557	88570495	8	8	0	8.630178238	0.00235436	C2orf51	ENSG00000172073
2	88618820	88619357	88619119	84	108	0	104.5210475	1.48E-32	C2orf51	ENSG00000172073
2	88630205	88630409	88630287	9	9	2	3.19636231	0.0229249	C2orf51	ENSG00000172073
2	88671426	88671692	88671565	9	11	2	3.835634772	0.00800699	EIF2AK3	ENSG00000172071
2	88680855	88681131	88681010	8	10	3	2.636998906	0.034203	EIF2AK3	ENSG00000172071
2	88961013	88961199	88961107	8	9	2	3.19636231	0.0229249	IGKV4-1	ENSG00000211598
2	88961238	88961459	88961348	8	10	3	2.636998906	0.034203	IGKV4-1	ENSG00000211598
2	89048539	89048891	89048715	28	32	4	6.328797374	9.93E-07		ENSG00000211601
2	89407342	89407558	89407483	9	10	1	5.273997812	0.00391723		ENSG00000211619
2	89745511	89745726	89745630	9	10	1	5.273997812	0.00391723		ENSG00000211626
2	90960422	90960742	90960576	9	11	14	0.767126954	0.756447		ENSG00000219041
2	90970921	90971105	90971087	8	8	16	0.507657543	0.956688		ENSG00000219041
2	90974774	90975026	90974900	8	11	4	2.301380863	0.0459276		ENSG00000219041
2	91133470	91133934	91133755	17	29	7	3.595907599	0.000155266		ENSG00000213356
2	91134291	91134489	91134423	8	9	4	1.917817386	0.103282		ENSG00000213356
2	91143270	91143474	91143340	8	9	4	1.917817386	0.103282		ENSG00000213356
2	91145282	91145587	91145419	8	13	10	1.220429246	0.306001		ENSG00000213356
2	91150770	91150974	91150833	10	10	10	0.958908693	0.538751		ENSG00000212975
2	91151090	91151423	91151256	8	14	9	1.43836304	0.179537		ENSG00000212975
2	91158826	91159019	91158903	8	8	10	0.784561658	0.708731		ENSG00000212975
2	91163040	91163398	91163219	17	23	8	2.557089848	0.00494559		ENSG00000212975
2	91172418	91172618	91172502	8	9	6	1.369869562	0.253675		ENSG00000212975

2	91178671	91179054	91178946	11	18	11	1.518272097	0.122037	ENSG00000212975
2	91179836	91181058	91180591	28	73	47	1.478317568	0.0161388	ENSG00000212975
2	91181561	91181867	91181696	9	13	5	2.237453617	0.038866	ENSG00000212975
2	91182337	91182632	91182484	14	14	7	1.797953799	0.0806593	ENSG00000212975
2	91637260	91637541	91637408	9	11	15	0.71918152	0.81018	ENSG00000198710
2	91639147	91639476	91639311	9	10	8	1.171999514	0.35773	ENSG00000198710
2	91639512	91639847	91639679	67	68	63	1.033823435	0.423273	ENSG00000198710
2	91639881	91640214	91640047	24	25	44	0.554036134	0.993006	ENSG00000198710
2	91644892	91645239	91645065	95	100	66	1.445519075	0.00893223	ENSG00000198710
2	91647910	91648238	91648074	20	20	23	0.839045106	0.722898	ENSG00000198710
2	91653969	91654444	91654250	120	156	148	1.010393724	0.463613	ENSG00000198710
2	91654738	91655185	91655008	20	24	31	0.749147416	0.862744	ENSG00000198710
2	91660301	91660748	91660576	106	117	114	0.983923702	0.54894	ENSG00000198710
2	91667494	91667823	91667658	18	18	19	0.910963258	0.614871	ENSG00000198710
2	91669312	91669850	91669490	143	157	159	0.946922334	0.686559	ENSG00000198710
2	91669889	91670220	91670054	10	16	9	1.630144778	0.102169	ENSG00000198710
2	91670713	91670892	91670863	9	9	17	0.532727052	0.951077	ENSG00000198710
2	91672803	91673129	91672966	10	13	16	0.789689512	0.746135	ENSG00000198710
2	91681308	91681647	91681477	42	42	55	0.736304889	0.93599	ENSG00000198710
2	91682690	91682986	91682842	10	11	9	1.150690432	0.367789	ENSG00000198710
2	91685092	91685278	91685248	8	9	5	1.598181155	0.170911	ENSG00000198710
2	91686986	91687479	91687165	77	84	88	0.915811673	0.719148	ENSG00000198710
2	95013576	95013851	95013695	8	10	1	5.273997812	0.00391723	ENSG00000208689
2	95061179	95061500	95061339	8	12	1	6.232906505	0.00117736	MAL ENSG00000172005
2	95194935	95195217	95195076	8	13	10	1.220429246	0.306001	ZNF2 ENSG00000163067
2	95303278	95303646	95303435	9	14	2	4.794543465	0.00154571	PROM2 ENSG00000155066
2	95303764	95304123	95303944	13	20	4	4.027416511	0.000652226	PROM2 ENSG00000155066
2	95304132	95304396	95304264	11	14	7	1.797953799	0.0806593	PROM2 ENSG00000155066
2	95375009	95375378	95375244	9	15	3	3.835634772	0.00291691	KCNIP3 ENSG00000115041
2	96129779	96130002	96129925	10	13	3	3.356180426	0.00805599	ADRA2B ENSG00000222040
2	96173644	96173829	96173768	8	8	2	2.876726079	0.0381137	DUSP2 ENSG00000158050
2	96235192	96235560	96235398	9	15	5	2.557089848	0.0169197	STARD7 ENSG00000084090
2	96270197	96270646	96270331	10	16	5	2.716907964	0.0109645	TMEM127 ENSG00000135956
2	96289793	96290101	96289935	8	12	6	1.78083043	0.0985525	TMEM127 ENSG00000135956

2	96335132	96335318	96335225	8	9	5	1.598181155	0.170911	SNRNP200	ENSG00000144028
2	96436186	96436405	96436295	10	10	3	2.636998906	0.034203	NCAPH	ENSG00000121152
2	96709468	96709683	96709545	8	9	8	1.065454103	0.442605	FER1L5	ENSG00000214272
2	96710059	96710280	96710173	9	9	5	1.598181155	0.170911	FER1L5	ENSG00000214272
2	96801315	96801620	96801488	14	17	6	2.465765211	0.014729	CNNM4	ENSG00000158158
2	96804877	96805087	96804982	8	9	3	2.397271733	0.0539397	CNNM4	ENSG00000158158
2	96918015	96918307	96918161	16	18	5	3.036544195	0.0044641	FAM178B	ENSG00000168754
2	96964699	96964918	96964801	8	8	1	4.315089119	0.0127267		ENSG00000208682
2	96994232	96994456	96994344	9	11	6	1.643843474	0.137712	FAM178B	ENSG00000168754
2	97007093	97007275	97007187	8	8	1	4.315089119	0.0127267		ENSG00000208680
2	97034821	97035000	97034910	9	9	2	3.19636231	0.0229249		ENSG00000208680
2	97680262	97680573	97680417	10	14	1	7.191815198	0.00034761	ZAP70	ENSG00000115085
2	97790185	97790433	97790309	8	9	2	3.19636231	0.0229249		ENSG00000198875
2	97831296	97831698	97831554	17	25	1	12.46581301	3.51E-07		ENSG00000198875
2	97978646	97978868	97978819	10	12	3	3.116453252	0.0131971	TMEM131	ENSG00000075568
2	97980686	97980976	97980843	10	11	2	3.835634772	0.00800699	TMEM131	ENSG00000075568
2	98041324	98041586	98041500	9	12	2	4.155271003	0.0046638	VWA3B	ENSG00000168658
2	98138776	98138960	98138857	8	8	1	4.315089119	0.0127267	VWA3B	ENSG00000168658
2	98252099	98252363	98252247	9	11	3	2.876726079	0.0213797	VWA3B	ENSG00000168658
2	98272068	98272353	98272210	11	12	1	6.232906505	0.00117736		ENSG00000216112
2	98418596	98418944	98418770	27	31	0	30.68507818	4.52E-10	INPP4A	ENSG00000040933
2	98593302	98593653	98593545	9	13	3	3.356180426	0.00805599	UNC50	ENSG00000115446
2	98777145	98777362	98777290	12	14	3	3.595907599	0.00486913		ENSG00000201070
2	99023642	99024137	99023817	53	61	0	59.45233897	7.85E-19	TSGA10	ENSG00000135951
2	99123983	99124179	99124029	9	9	4	1.917817386	0.103282	TSGA10	ENSG00000135951
2	99163902	99164272	99164081	14	21	10	1.917817386	0.0328292	MRPL30	ENSG00000185414
2	99294464	99294658	99294616	8	8	0	8.630178238	0.00235436	LYG1	ENSG00000144214
2	99319018	99319237	99319120	9	9	9	0.958908693	0.536911	TXNDC9	ENSG00000115514
2	99590922	99591189	99591067	8	10	7	1.318499453	0.269217		ENSG00000222274
2	99748952	99749294	99749128	19	22	3	5.513724985	6.69E-05		ENSG00000222274
2	99763359	99763579	99763517	8	9	0	9.589086931	0.00120187		ENSG00000222274
2	99960747	99961183	99961004	15	27	0	26.84944341	6.66E-09	AFF3	ENSG00000144218
2	100049693	100050035	100049858	9	12	7	1.558226626	0.152813	AFF3	ENSG00000144218
2	100232053	100232372	100232219	20	23	2	7.671269544	8.30E-06	LONRF2	ENSG00000170500

2	100250833	100251029	100250931	8	8	5	1.43836304	0.235762	LONRF2	ENSG00000170500
2	100274000	100274354	100274177	9	15	6	2.191791298	0.0328001	LONRF2	ENSG00000170500
2	100275047	100275260	100275144	10	12	6	1.78083043	0.0985525	LONRF2	ENSG00000170500
2	100364216	100364459	100364337	9	9	1	4.794543465	0.00708517	CHST10	ENSG00000115526
2	100545593	100545848	100545706	14	15	7	1.917817386	0.0572317	PDCL3	ENSG00000115539
2	100769081	100769563	100769260	9	20	8	2.237453617	0.0160557	NPAS2	ENSG00000170485
2	100870710	100870928	100870854	9	10	4	2.109599125	0.0694668	NPAS2	ENSG00000170485
2	100876802	100877030	100876900	8	8	1	4.315089119	0.0127267	NPAS2	ENSG00000170485
2	100886887	100887066	100886976	8	8	4	1.726035648	0.150596	NPAS2	ENSG00000170485
2	100915807	100916021	100915914	9	9	0	9.589086931	0.00120187	RPL31	ENSG00000071082
2	101093395	101093603	101093500	10	10	6	1.506856518	0.188853	TBC1D8	ENSG00000204634
2	101096199	101096583	101096374	38	45	3	11.02744997	8.54E-11	TBC1D8	ENSG00000204634
2	101107915	101108307	101108066	9	15	7	1.917817386	0.0572317	TBC1D8	ENSG00000204634
2	101135762	101135990	101135878	11	13	3	3.356180426	0.00805599	TBC1D8	ENSG00000204634
2	101142237	101142816	101142614	31	48	2	15.66217532	1.56E-12	TBC1D8	ENSG00000204634
2	101168014	101168359	101168186	8	14	3	3.595907599	0.00486913	TBC1D8	ENSG00000204634
2	101236636	101236823	101236728	8	10	5	1.757999271	0.121253	C2orf29	ENSG00000158435
2	101260055	101260365	101260219	10	12	4	2.493162602	0.0299057		ENSG00000212283
2	101310682	101310984	101310814	30	32	8	3.515998541	9.51E-05	RNF149	ENSG00000163162
2	101686880	101687389	101687113	171	218	2	70.00033459	6.58E-61	MAP4K4	ENSG00000071054
2	101753649	101753888	101753776	8	10	2	3.515998541	0.0136204	MAP4K4	ENSG00000071054
2	101799179	101799361	101799208	8	8	1	4.315089119	0.0127267	MAP4K4	ENSG00000071054
2	101814225	101814449	101814301	8	9	1	4.794543465	0.00708517	MAP4K4	ENSG00000071054
2	101814573	101814831	101814746	8	10	0	10.54799562	0.000613541	MAP4K4	ENSG00000071054
2	102210740	102210998	102210899	10	13	3	3.356180426	0.00805599		ENSG00000205716
2	102284803	102284982	102284936	8	8	1	4.315089119	0.0127267	IL1RL1	ENSG00000115602
2	102502972	102503264	102503121	11	12	4	2.493162602	0.0299057	SLC9A4	ENSG00000180251
2	102835510	102835702	102835577	10	10	4	2.109599125	0.0694668	TMEM182	ENSG00000170417
2	102918618	102918888	102918755	9	11	0	11.50690432	0.000313206	TMEM182	ENSG00000170417
2	102933413	102933592	102933521	8	8	0	8.630178238	0.00235436	TMEM182	ENSG00000170417
2	102966661	102967097	102966894	30	49	2	15.98181155	8.30E-13	TMEM182	ENSG00000170417
2	103620535	103621263	103620923	67	100	0	96.849778	3.21E-30		
2	104160090	104160323	104160187	9	11	0	11.50690432	0.000313206		ENSG00000199727
2	104686385	104687050	104686632	40	66	4	12.84937649	1.62E-15		ENSG00000207249

2	104837232	104837587	104837409	11	16	6	2.328778255	0.0221113	POU3F3	ENSG00000198914
2	105020969	105021214	105021085	10	12	2	4.155271003	0.0046638	MRPS9	ENSG00000135972
2	105162614	105162904	105162759	9	13	2	4.474907234	0.00269459	GPR45	ENSG00000135973
2	105170465	105170683	105170549	8	9	1	4.794543465	0.00708517	GPR45	ENSG00000135973
2	105280253	105280486	105280312	8	9	0	9.589086931	0.00120187	TGFBRAP1	ENSG00000135966
2	105387071	105387577	105387250	15	25	1	12.46581301	3.51E-07	FHL2	ENSG00000115641
2	105411585	105411833	105411709	9	12	0	12.46581301	0.000159888	FHL2	ENSG00000115641
2	105438068	105438414	105438240	9	13	5	2.237453617	0.038866	FHL2	ENSG00000115641
2	105742170	105742351	105742260	8	8	1	4.315089119	0.0127267	NCK2	ENSG00000071051
2	105823760	105824045	105823902	10	14	1	7.191815198	0.00034761	NCK2	ENSG00000071051
2	106166372	106166557	106166537	8	9	0	9.589086931	0.00120187	UXS1	ENSG00000115652
2	106525749	106525956	106525852	8	10	2	3.515998541	0.0136204	CD8BP	ENSG00000169664
2	106689264	106689502	106689383	8	10	0	10.54799562	0.000613541		ENSG00000214199
2	106697937	106698160	106698048	8	8	2	2.876726079	0.0381137		ENSG00000214199
2	108088684	108088907	108088800	10	10	0	10.54799562	0.000613541	SLC5A7	ENSG00000115665
2	108347392	108347989	108347671	64	80	2	25.89053471	1.86E-21	SULT1C4	ENSG00000198075
2	108352970	108353204	108353093	9	11	3	2.876726079	0.0213797	SULT1C4	ENSG00000198075
2	108387669	108388076	108387848	17	25	0	24.93162602	2.56E-08	SULT1C4	ENSG00000198075
2	108427802	108428507	108428281	60	87	0	84.38396499	2.01E-26	GCC2	ENSG00000135968
2	108832220	108832632	108832453	14	23	2	7.671269544	8.30E-06	CCDC138	ENSG00000163006
2	108905962	108906182	108906085	8	8	1	4.315089119	0.0127267	EDAR	ENSG00000135960
2	108965236	108965576	108965406	12	17	5	2.876726079	0.00703033	EDAR	ENSG00000135960
2	108972073	108972297	108972185	9	10	2	3.515998541	0.0136204	EDAR	ENSG00000135960
2	109034354	109034560	109034457	8	9	2	3.19636231	0.0229249	EDAR	ENSG00000135960
2	109119495	109119769	109119628	9	10	6	1.506856518	0.188853	EDAR	ENSG00000135960
2	109390655	109390951	109390804	10	14	4	2.876726079	0.01219		ENSG00000172985
2	109453455	109453840	109453697	11	17	2	5.753452158	0.000281509		ENSG00000172985
2	109625074	109625262	109625104	9	9	1	4.794543465	0.00708517	10-Sep	ENSG00000186522
2	109759468	109759855	109759754	12	18	2	6.073088389	0.000157975	ANKRD57	ENSG00000198142
2	110186780	110187144	110186967	13	19	12	1.475244143	0.131365	MALL	ENSG00000144063
2	111328004	111328260	111328135	9	9	1	4.794543465	0.00708517	ACOXL	ENSG00000153093
2	111361937	111362726	111362306	30	53	5	8.630178238	2.64E-11	ACOXL	ENSG00000153093
2	111591120	111591324	111591222	9	11	4	2.301380863	0.0459276	BCL2L11	ENSG00000153094
2	111709630	111709860	111709698	9	11	0	11.50690432	0.000313206	BCL2L11	ENSG00000153094

2	112358318	112358627	112358472	10	13	9	1.34247217	0.232231	ANAPC1	ENSG00000153107
2	112420812	112421068	112420940	11	13	2	4.474907234	0.00269459		ENSG00000208643
2	112506000	112506378	112506168	15	21	4	4.219198249	0.000390041	TMEM87B	ENSG00000153214
2	112703366	112703830	112703609	39	58	1	28.28780645	1.76E-16	ZC3H8	ENSG00000144161
2	112749485	112749745	112749614	8	10	7	1.318499453	0.269217	ZC3H6	ENSG00000188177
2	113058288	113058560	113058422	9	11	3	2.876726079	0.0213797	CHCHD5	ENSG00000125611
2	113074150	113074343	113074277	8	9	2	3.19636231	0.0229249	CHCHD5	ENSG00000125611
2	113166582	113166995	113166796	67	82	4	15.9178843	7.78E-20		ENSG00000223139
2	113167008	113167415	113167138	9	16	2	5.433815927	0.000499302		ENSG00000223139
2	113200697	113201045	113200871	8	14	3	3.595907599	0.00486913	NT5DC4	ENSG00000144130
2	113223922	113224129	113224025	8	8	1	4.315089119	0.0127267	CKAP2L	ENSG00000169607
2	113279667	113279962	113279814	12	15	1	7.671269544	0.000187863	IL1A	ENSG00000115008
2	113288101	113288819	113288535	62	91	9	8.821959976	5.10E-18	IL1B	ENSG00000125538
2	113314663	113314876	113314762	8	8	2	2.876726079	0.0381137		ENSG00000221541
2	113459029	113459341	113459186	8	9	4	1.917817386	0.103282	IL1F9	ENSG00000136688
2	113591692	113591887	113591837	8	8	0	8.630178238	0.00235436	IL1RN	ENSG00000136689
2	113723196	113723533	113723364	11	15	8	1.704726565	0.0916153	PAX8	ENSG00000125618
2	113804114	113804485	113804306	12	19	1	9.589086931	1.56E-05	PAX8	ENSG00000125618
2	113881683	113882156	113881852	8	16	3	4.075361945	0.00173346	CBWD2	ENSG00000136682
2	114137787	114138065	114137926	9	11	1	5.753452158	0.00215302		ENSG00000175509
2	114363655	114364027	114363834	8	15	9	1.534253909	0.136498	ACTR3	ENSG00000115091
2	115411437	115411772	115411604	12	15	7	1.917817386	0.0572317		ENSG00000208611
2	117795941	117796199	117796064	19	21	2	7.031997082	2.73E-05		ENSG00000208565
2	118288602	118288921	118288761	10	13	6	1.917817386	0.0693353	DDX18	ENSG00000088205
2	118439132	118439316	118439227	9	9	7	1.198635866	0.346278		ENSG00000218814
2	118587095	118587393	118587244	8	12	2	4.155271003	0.0046638	INSIG2	ENSG00000125629
2	118589711	118590426	118590011	50	82	5	13.26490359	6.79E-19	INSIG2	ENSG00000125629
2	119221244	119221436	119221314	8	9	2	3.19636231	0.0229249	EN1	ENSG00000163064
2	119356612	119356875	119356746	10	10	3	2.636998906	0.034203	EN1	ENSG00000163064
2	119502536	119502718	119502684	9	10	0	10.54799562	0.000613541	MARCO	ENSG00000019169
2	119547872	119548220	119548045	14	19	5	3.19636231	0.00280933	C1QL2	ENSG00000144119
2	119600744	119600966	119600855	8	10	3	2.636998906	0.034203	C1QL2	ENSG00000144119
2	119691184	119691538	119691336	9	14	3	3.595907599	0.00486913	STEAP3	ENSG00000115107
2	119692111	119693131	119692548	204	298	14	19.11424661	1.72E-68	STEAP3	ENSG00000115107

2	119708689	119708983	119708866	8	12	1	6.232906505	0.00117736	STEAP3	ENSG00000115107
2	119714551	119714929	119714750	20	28	3	6.952088025	2.20E-06	STEAP3	ENSG00000115107
2	119840903	119841261	119841082	8	14	7	1.797953799	0.0806593	DBI	ENSG00000155368
2	119966189	119966460	119966319	11	12	1	6.232906505	0.00117736	SCTR	ENSG00000080293
2	120018210	120018419	120018314	10	12	0	12.46581301	0.000159888		ENSG00000163075
2	120115673	120115892	120115782	8	10	6	1.506856518	0.188853	TMEM177	ENSG00000144120
2	120185072	120185291	120185224	9	9	5	1.598181155	0.170911	TMEM177	ENSG00000144120
2	120233749	120234182	120234028	12	18	9	1.821926517	0.0548428	PTPN4	ENSG00000088179
2	120312239	120312955	120312615	17	42	3	10.30826845	5.31E-10		ENSG00000208541
2	120541247	120541608	120541430	13	19	7	2.397271733	0.0127287	EPB41L5	ENSG00000115109
2	120572853	120573055	120572988	8	8	3	2.157544559	0.0836802	EPB41L5	ENSG00000115109
2	120582187	120582424	120582305	10	11	2	3.835634772	0.00800699		ENSG00000202046
2	120716990	120717221	120717105	8	11	1	5.753452158	0.00215302	RALB	ENSG00000144118
2	120765464	120765823	120765643	24	31	12	2.360390629	0.0028142	RALB	ENSG00000144118
2	121510072	121510288	121510154	8	9	3	2.397271733	0.0539397		ENSG00000221321
2	121554311	121554500	121554414	8	8	6	1.232882605	0.333038		ENSG00000201584
2	121602894	121603229	121603060	9	13	1	6.712360851	0.000640982		ENSG00000208508
2	121954323	121954595	121954458	9	11	1	5.753452158	0.00215302	CLASP1	ENSG00000074054
2	121963415	121963679	121963549	9	10	1	5.273997812	0.00391723	CLASP1	ENSG00000074054
2	122004928	122005290	122005124	11	17	12	1.327719729	0.212795		ENSG00000208506
2	122062465	122062760	122062633	8	12	1	6.232906505	0.00117736		ENSG00000222467
2	122157846	122158096	122157986	15	18	2	6.073088389	0.000157975		ENSG00000213239
2	122473434	122473958	122473723	13	25	5	4.155271003	0.000149583	TSN	ENSG00000211460
2	122517943	122518551	122518353	20	35	3	8.630178238	3.59E-08	TSN	ENSG00000211460
2	122710527	122710838	122710685	11	14	3	3.595907599	0.00486913	TSN	ENSG00000211460
2	122889022	122889415	122889162	20	25	4	4.986325204	4.72E-05		
2	122965151	122965492	122965321	8	13	6	1.917817386	0.0693353		
2	122993834	122994256	122994077	27	34	4	6.712360851	3.20E-07		
2	124873547	124873726	124873563	8	8	0	8.630178238	0.00235436		ENSG00000208489
2	125925224	125925555	125925377	33	38	1	18.69871951	8.21E-11		ENSG00000201853
2	127251205	127251681	127251442	8	17	9	1.726035648	0.0753664		ENSG00000206963
2	127542136	127542392	127542255	10	10	2	3.515998541	0.0136204	BIN1	ENSG00000136717
2	127671029	127671259	127671144	12	12	6	1.78083043	0.0985525	CYP27C1	ENSG00000186684
2	127700522	127701257	127700874	31	58	14	3.771707526	1.30E-07	CYP27C1	ENSG00000186684

2	127703806	127704082	127703944	9	9	0	9.589086931	0.00120187	CYP27C1	ENSG00000186684
2	127744894	127745088	127744988	8	9	1	4.794543465	0.00708517		ENSG00000208457
2	127767673	127767992	127767829	10	13	3	3.356180426	0.00805599	ERCC3	ENSG00000163161
2	127844017	127844369	127844194	10	13	3	3.356180426	0.00805599	MAP3K2	ENSG00000169967
2	127872412	127872671	127872517	13	14	9	1.43836304	0.179537	MAP3K2	ENSG00000169967
2	128000641	128000901	128000771	10	11	4	2.301380863	0.0459276	IWS1	ENSG00000163166
2	128000907	128001137	128001038	9	11	3	2.876726079	0.0213797	IWS1	ENSG00000163166
2	128333770	128334143	128333967	14	21	4	4.219198249	0.000390041	POLR2D	ENSG00000144231
2	128516857	128517259	128517090	20	27	0	26.84944341	6.66E-09	SAP130	ENSG00000136715
2	128780355	128780674	128780514	12	14	0	14.3836304	4.17E-05	HS6ST1	ENSG00000136720
2	129045841	129046307	129046128	15	26	0	25.89053471	1.31E-08		ENSG00000208433
2	129530064	129530633	129530458	48	61	5	9.908723162	2.32E-13		ENSG00000204460
2	129708241	129708425	129708356	8	9	2	3.19636231	0.0229249		ENSG00000204460
2	129827890	129828126	129828013	9	11	1	5.753452158	0.00215302		ENSG00000208427
2	130095147	130095461	130095302	10	13	1	6.712360851	0.000640982		ENSG00000204459
2	130136106	130136340	130136223	8	9	4	1.917817386	0.103282		ENSG00000204459
2	130805554	130805761	130805657	8	9	2	3.19636231	0.0229249	CCDC115	ENSG00000136710
2	130806685	130806872	130806778	8	8	8	0.958908693	0.534974	CCDC115	ENSG00000136710
2	130810917	130811361	130811228	14	21	9	2.109599125	0.0196396	CCDC115	ENSG00000136710
2	130816559	130817103	130816824	9	23	11	1.917817386	0.0274129	IMP4	ENSG00000136718
2	131201520	131201753	131201668	10	10	8	1.171999514	0.35773	GPR148	ENSG00000173302
2	131887272	131887573	131887422	10	13	5	2.237453617	0.038866		ENSG00000214077
2	132142974	132143237	132143110	14	16	1	8.150723891	0.000101217	ACTBL3	ENSG00000204434
2	132218858	132219057	132218957	10	10	0	10.54799562	0.000613541		ENSG00000213222
2	132712630	132712822	132712789	16	17	13	1.232882605	0.274309		ENSG00000202174
2	132712878	132713274	132713118	19	23	31	0.71918152	0.891586		ENSG00000202174
2	132719635	132719968	132719801	34	35	32	1.046082211	0.424727		ENSG00000202174
2	132728303	132728638	132728470	43	48	31	1.468328936	0.0428579		ENSG00000202174
2	132728870	132730150	132729215	67	216	188	1.10096924	0.166182		ENSG00000200236
2	132731518	132731884	132731689	40	46	37	1.186018647	0.214968		ENSG00000221288
2	132733009	132733549	132733272	36	61	57	1.025040327	0.445454		ENSG00000221288
2	132733559	132733986	132733736	31	41	17	2.237453617	0.00132226		ENSG00000221288
2	132735097	132735730	132735406	44	68	56	1.160784207	0.200843		ENSG00000221288
2	132735758	132736981	132736578	34	114	87	1.253119315	0.054385		ENSG00000221288

2	132737362	132737697	132737529	23	27	27	0.958908693	0.562099	ENSG00000221288
2	132738757	132739086	132738914	16	18	9	1.821926517	0.0548428	ENSG00000221288
2	132739498	132740045	132739686	37	52	41	1.210051446	0.175882	ENSG00000221288
2	132740077	132740261	132740169	13	15	13	1.095895649	0.398774	ENSG00000221288
2	132741486	132743720	132743215	51	251	218	1.103401784	0.142823	ENSG00000211547
2	132743810	132744152	132743981	28	30	33	0.874299102	0.706449	ENSG00000211547
2	132744734	132745087	132744910	77	82	60	1.304744615	0.0557422	ENSG00000211547
2	132745424	132746547	132746157	65	151	119	1.214617678	0.0547631	ENSG00000211547
2	132746553	132747957	132747043	78	215	188	1.095895649	0.178317	ENSG00000211547
2	132747993	132748451	132748214	26	37	34	1.041100867	0.430699	ENSG00000211547
2	132748611	132750193	132750019	32	123	82	1.432586481	0.00516422	ENSG00000211547
2	132750609	132751409	132751082	65	115	92	1.196058155	0.0979725	ENSG00000211547
2	132751506	132751695	132751670	13	15	11	1.278544924	0.254978	ENSG00000211547
2	132751915	132752112	132752059	9	9	9	0.958908693	0.536911	ENSG00000211547
2	132752116	132752499	132752321	19	24	20	1.141557968	0.324865	ENSG00000211547
2	132752932	132753319	132753142	13	19	7	2.397271733	0.0127287	ENSG00000211547
2	132754599	132754831	132754715	29	30	11	2.47718079	0.00221867	ENSG00000211547
2	132755377	132755787	132755611	11	18	19	0.910963258	0.614871	ENSG00000211547
2	132771859	132772081	132771970	10	11	0	11.50690432	0.000313206	ENSG00000211547
2	132821227	132821700	132821396	14	22	5	3.675816657	0.000667901	ENSG00000199460
2	132890561	132890794	132890683	8	10	6	1.506856518	0.188853	GPR39 ENSG00000183840
2	132905036	132905252	132905107	8	9	1	4.794543465	0.00708517	GPR39 ENSG00000183840
2	133017151	133017721	133017459	46	70	0	68.08251721	1.85E-21	ENSG00000221142
2	133394266	133394445	133394352	8	8	1	4.315089119	0.0127267	LYPD1 ENSG00000150551
2	133430545	133430930	133430724	17	26	0	25.89053471	1.31E-08	LYPD1 ENSG00000150551
2	133518635	133518985	133518810	22	28	1	13.90417605	5.17E-08	ENSG00000176771
2	133737206	133737536	133737375	13	17	9	1.726035648	0.0753664	ENSG00000176771
2	133805468	133805706	133805606	8	9	1	4.794543465	0.00708517	ENSG00000208327
2	133909457	133909735	133909583	12	15	7	1.917817386	0.0572317	ENSG00000208316
2	133911578	133911816	133911697	9	9	4	1.917817386	0.103282	ENSG00000208316
2	134115571	134115870	134115722	15	18	8	2.024362796	0.0334397	ENSG00000200708
2	134185235	134185447	134185363	8	8	2	2.876726079	0.0381137	ENSG00000200708
2	134254219	134254602	134254442	11	16	2	5.433815927	0.000499302	ENSG00000200708
2	134273473	134273959	134273685	27	38	5	6.232906505	1.43E-07	ENSG00000200708

2	134320882	134321139	134321003	10	11	3	2.876726079	0.0213797		ENSG00000200708
2	134529148	134529368	134529236	8	10	0	10.54799562	0.000613541	MGAT5	ENSG00000152127
2	134593804	134594126	134593951	8	11	5	1.917817386	0.0843804	MGAT5	ENSG00000152127
2	134953557	134953879	134953735	9	13	2	4.474907234	0.00269459	MGAT5	ENSG00000152127
2	135064756	135065451	135064940	57	80	2	25.89053471	1.86E-21	TMEM163	ENSG00000152128
2	135289913	135290162	135290062	8	9	3	2.397271733	0.0539397	ACMSD	ENSG00000153086
2	135392024	135392298	135392161	9	12	8	1.385090334	0.219216	CCNT2	ENSG00000082258
2	135719217	135719438	135719355	12	12	4	2.493162602	0.0299057	RAB3GAP1	ENSG00000115839
2	136004930	136005196	136005072	10	10	2	3.515998541	0.0136204	ZRANB3	ENSG00000121988
2	136271488	136272242	136271931	14	43	1	21.09599125	3.19E-12		ENSG00000200664
2	136459012	136459342	136459177	8	13	1	6.712360851	0.000640982	DARS	ENSG00000115866
2	136592464	136592722	136592593	8	11	5	1.917817386	0.0843804	CXCR4	ENSG00000121966
2	136706770	136707005	136706887	8	9	3	2.397271733	0.0539397	CXCR4	ENSG00000121966
2	136849549	136850060	136849883	40	62	3	15.10281192	2.26E-15		ENSG00000216081
2	136852734	136853099	136852926	12	18	3	4.554816292	0.000599415		ENSG00000216081
2	136858745	136858982	136858863	8	10	5	1.757999271	0.121253		ENSG00000216081
2	136907668	136907847	136907757	8	8	1	4.315089119	0.0127267		ENSG00000216081
2	137131398	137131885	137131671	16	27	0	26.84944341	6.66E-09		ENSG00000221762
2	137505842	137506189	137506015	8	14	0	14.3836304	4.17E-05	THSD7B	ENSG00000144229
2	137642639	137642944	137642807	22	24	2	7.990905775	4.56E-06	THSD7B	ENSG00000144229
2	137655197	137655376	137655286	8	8	2	2.876726079	0.0381137	THSD7B	ENSG00000144229
2	138546206	138546705	138546465	29	44	2	14.3836304	1.96E-11	HNMT	ENSG00000150540
2	138596156	138596342	138596249	8	8	2	2.876726079	0.0381137	HNMT	ENSG00000150540
2	138750035	138750256	138750145	8	9	1	4.794543465	0.00708517		ENSG00000181399
2	138909810	138910014	138909876	8	9	6	1.369869562	0.253675	SPOPL	ENSG00000144228
2	138911774	138912095	138911934	11	16	0	16.30144778	1.09E-05	SPOPL	ENSG00000144228
2	139651162	139651477	139651326	15	17	1	8.630178238	5.44E-05		ENSG00000222826
2	140338901	140339234	140339068	18	20	1	10.06854128	8.32E-06		ENSG00000221074
2	140614919	140615165	140615042	8	9	1	4.794543465	0.00708517		ENSG00000208289
2	142374934	142375125	142375006	8	10	0	10.54799562	0.000613541	LRP1B	ENSG00000168702
2	142892539	142892718	142892628	9	9	1	4.794543465	0.00708517	LRP1B	ENSG00000168702
2	143331289	143331680	143331416	10	18	3	4.554816292	0.000599415	KYNU	ENSG00000115919
2	143348306	143348829	143348477	9	19	1	9.589086931	1.56E-05	KYNU	ENSG00000115919
2	143447327	143447506	143447416	8	8	1	4.315089119	0.0127267		ENSG00000221169

2	143448431	143448710	143448570	10	11	3	2.876726079	0.0213797		ENSG00000221169
2	143508440	143508653	143508557	12	12	2	4.155271003	0.0046638		ENSG00000221169
2	143758167	143758369	143758298	8	8	1	4.315089119	0.0127267	ARHGAP15	ENSG00000075884
2	143810820	143811053	143810887	10	10	6	1.506856518	0.188853	ARHGAP15	ENSG00000075884
2	143872277	143872582	143872464	10	15	0	15.34253909	2.13E-05	ARHGAP15	ENSG00000075884
2	143872705	143873282	143872970	38	63	5	10.22835939	7.02E-14	ARHGAP15	ENSG00000075884
2	144576435	144576814	144576638	38	46	4	9.013741715	2.96E-10	GTDC1	ENSG00000121964
2	147171053	147171759	147171378	33	68	3	16.54117496	5.19E-17	PABPCP2	ENSG00000198526
2	147856393	147856707	147856550	8	11	2	3.835634772	0.00800699		ENSG00000207225
2	149117831	149118018	149117992	8	10	2	3.515998541	0.0136204	EPC2	ENSG00000135999
2	149144755	149145008	149144872	9	11	0	11.50690432	0.000313206	EPC2	ENSG00000135999
2	149369774	149370053	149369937	16	19	3	4.794543465	0.000349205		ENSG00000218198
2	149554751	149554998	149554874	9	9	5	1.598181155	0.170911	KIF5C	ENSG00000168280
2	149571906	149572309	149572080	29	38	6	5.34249129	5.40E-07	LYPD6B	ENSG00000150556
2	149605290	149605552	149605421	13	14	7	1.797953799	0.0806593	LYPD6B	ENSG00000150556
2	149634224	149634409	149634316	8	9	0	9.589086931	0.00120187	LYPD6B	ENSG00000150556
2	149675673	149675865	149675729	8	8	1	4.315089119	0.0127267	LYPD6B	ENSG00000150556
2	149893835	149894150	149893992	15	20	3	5.034270639	0.000202317	LYPD6	ENSG00000187123
2	150175940	150176416	150176119	11	23	2	7.671269544	8.30E-06		ENSG00000207270
2	150858450	150858971	150858740	19	30	2	9.908723162	1.20E-07		ENSG00000208244
2	151024126	151024428	151024277	9	13	1	6.712360851	0.000640982	RND3	ENSG00000115963
2	151052375	151052697	151052530	12	17	8	1.917817386	0.0474153	RND3	ENSG00000115963
2	151473855	151474183	151474019	11	14	1	7.191815198	0.00034761		ENSG00000222031
2	153265955	153266332	153266165	33	40	0	39.31525642	1.07E-12	PRPF40A	ENSG00000196504
2	153624427	153624812	153624616	45	55	3	13.4247217	1.79E-13		ENSG00000214025
2	153969999	153970260	153970150	10	10	0	10.54799562	0.000613541		ENSG00000214024
2	154442542	154442772	154442657	8	11	1	5.753452158	0.00215302	GALNT13	ENSG00000144278
2	155018270	155018513	155018391	8	9	0	9.589086931	0.00120187		ENSG00000223290
2	155419750	155419966	155419890	8	10	2	3.515998541	0.0136204		ENSG00000219170
2	156746899	156747186	156747065	9	12	7	1.558226626	0.152813	NR4A2	ENSG00000153234
2	156900417	156900662	156900554	12	13	0	13.4247217	8.16E-05	NR4A2	ENSG00000153234
2	156965394	156965704	156965557	10	13	5	2.237453617	0.038866		ENSG00000208227
2	156965818	156966032	156965895	9	10	6	1.506856518	0.188853		ENSG00000208227
2	157457046	157457687	157457388	32	52	7	6.352770092	1.00E-09		ENSG00000213194

2	158678479	158678919	158678740	19	28	1	13.90417605	5.17E-08	UPP2	ENSG00000007001
2	158886035	158886387	158886211	24	29	1	14.3836304	2.72E-08	CCDC148	ENSG00000153237
2	159067881	159068116	159067945	11	14	3	3.595907599	0.00486913	PKP4	ENSG00000144283
2	159288888	159289108	159288998	9	11	5	1.917817386	0.0843804		ENSG00000204380
2	159295403	159295605	159295500	8	8	2	2.876726079	0.0381137		ENSG00000204380
2	159457959	159458235	159458097	10	13	1	6.712360851	0.000640982		ENSG00000208221
2	159533531	159534195	159533792	12	26	2	8.630178238	1.37E-06	TANC1	ENSG00000115183
2	159534574	159534930	159534751	8	12	5	2.077635502	0.0577144	TANC1	ENSG00000115183
2	159600862	159601050	159600988	8	9	0	9.589086931	0.00120187		ENSG00000202029
2	159964588	159964841	159964729	11	13	3	3.356180426	0.00805599	WDSUB1	ENSG00000196151
2	160280311	160280604	160280443	15	17	2	5.753452158	0.000281509	7-Mar	ENSG00000136536
2	160730780	160731087	160730937	9	12	5	2.077635502	0.0577144	ITGB6	ENSG00000115221
2	160788858	160789286	160788954	14	21	2	7.031997082	2.73E-05	ITGB6	ENSG00000115221
2	160806596	160806908	160806752	8	14	9	1.43836304	0.179537	ITGB6	ENSG00000115221
2	160917171	160917615	160917409	23	33	2	10.86763185	1.89E-08		ENSG00000208218
2	160998527	160998813	160998662	11	14	3	3.595907599	0.00486913	RBMS1	ENSG00000153250
2	161080199	161080483	161080350	8	8	3	2.157544559	0.0836802	RBMS1	ENSG00000153250
2	161117142	161117462	161117302	9	13	2	4.474907234	0.00269459	RBMS1	ENSG00000153250
2	161126288	161126694	161126453	13	21	3	5.273997812	0.00011662	RBMS1	ENSG00000153250
2	161147915	161148197	161148056	8	8	5	1.43836304	0.235762	RBMS1	ENSG00000153250
2	161211982	161212197	161212086	8	9	7	1.198635866	0.346278	RBMS1	ENSG00000153250
2	161317854	161318131	161317979	14	15	1	7.671269544	0.000187863		ENSG00000222605
2	161440852	161441072	161440962	8	9	3	2.397271733	0.0539397		ENSG00000222605
2	161483738	161483924	161483847	8	8	4	1.726035648	0.150596		ENSG00000208217
2	161688075	161688428	161688251	10	16	3	4.075361945	0.00173346	TANK	ENSG00000136560
2	162326000	162326280	162326140	8	11	2	3.835634772	0.00800699	SLC4A10	ENSG00000144290
2	163054723	163055152	163054947	36	47	0	46.02761727	9.62E-15		ENSG00000212312
2	163147281	163147534	163147358	11	13	6	1.917817386	0.0693353		ENSG00000212312
2	163170152	163170421	163170320	9	10	1	5.273997812	0.00391723		ENSG00000212312
2	164343114	164343356	164343213	9	10	2	3.515998541	0.0136204	FIGN	ENSG00000182263
2	164518137	164518518	164518327	33	41	0	40.27416511	5.44E-13	FIGN	ENSG00000182263
2	165164813	165165032	165164890	11	12	2	4.155271003	0.0046638	GRB14	ENSG00000115290
2	165557646	165557873	165557759	8	8	1	4.315089119	0.0127267	SLC38A11	ENSG00000169507
2	165579955	165580175	165580083	8	10	4	2.109599125	0.0694668	SLC38A11	ENSG00000169507

2	166439273	166439471	166439371	8	9	2	3.19636231	0.0229249		ENSG00000221234
2	166656193	166656372	166656283	8	8	3	2.157544559	0.0836802	SCN1A	ENSG00000144285
2	166746321	166746561	166746426	8	9	0	9.589086931	0.00120187		ENSG00000222376
2	168829603	168829832	168829717	8	9	0	9.589086931	0.00120187	STK39	ENSG00000198648
2	169017469	169018052	169017738	76	106	2	34.20107672	8.17E-29		ENSG00000208206
2	169148494	169148807	169148669	29	33	4	6.520579113	5.65E-07		ENSG00000199348
2	169173034	169173252	169173110	8	9	0	9.589086931	0.00120187		ENSG00000199348
2	169696737	169696918	169696827	8	9	5	1.598181155	0.170911	DHRS9	ENSG00000073737
2	169825639	169825819	169825773	8	9	2	3.19636231	0.0229249	LRP2	ENSG00000081479
2	169957786	169958259	169957921	10	21	10	1.917817386	0.0328292	LRP2	ENSG00000081479
2	170150369	170150548	170150483	8	8	1	4.315089119	0.0127267	PPIG	ENSG00000138398
2	170518744	170519090	170518917	21	26	1	12.94526736	1.86E-07	UBR3	ENSG00000144357
2	170740339	170740613	170740514	10	13	3	3.356180426	0.00805599	MYO3B	ENSG00000071909
2	170786210	170787277	170786615	122	208	5	33.40198614	9.58E-54	MYO3B	ENSG00000071909
2	170803434	170803917	170803785	29	45	5	7.351633313	2.73E-09	MYO3B	ENSG00000071909
2	170886254	170886718	170886433	77	88	0	85.34287368	1.03E-26	MYO3B	ENSG00000071909
2	171239045	171239226	171239085	8	8	1	4.315089119	0.0127267		ENSG00000213981
2	171377403	171377783	171377621	9	13	6	1.917817386	0.0693353	GAD1	ENSG00000128683
2	171493551	171493887	171493725	15	18	2	6.073088389	0.000157975	GORASP2	ENSG00000115806
2	171836667	171837169	171837001	12	22	1	11.02744997	2.36E-06		ENSG00000218900
2	171851888	171852668	171852133	22	44	8	4.794543465	2.57E-07		ENSG00000218900
2	171974919	171975278	171975111	11	17	4	3.452071295	0.00292757	METTL8	ENSG00000123600
2	171995777	171996083	171995930	13	15	1	7.671269544	0.000187863	METTL8	ENSG00000123600
2	171998862	171999092	171998977	10	10	1	5.273997812	0.00391723	C2orf37	ENSG00000115827
2	172050274	172050453	172050358	8	8	1	4.315089119	0.0127267	CYBRD1	ENSG00000071967
2	172129300	172129576	172129426	8	8	5	1.43836304	0.235762	CYBRD1	ENSG00000071967
2	172272555	172272888	172272721	20	25	0	24.93162602	2.56E-08	DYNC1I2	ENSG00000077380
2	172981391	172981694	172981558	26	29	0	28.76726079	1.74E-09	ITGA6	ENSG00000091409
2	173009989	173010356	173010098	11	17	8	1.917817386	0.0474153	ITGA6	ENSG00000091409
2	173379443	173379668	173379495	8	10	1	5.273997812	0.00391723	RAPGEF4	ENSG00000091428
2	173506364	173506731	173506521	11	17	4	3.452071295	0.00292757	RAPGEF4	ENSG00000091428
2	173621771	173622054	173621927	9	12	4	2.493162602	0.0299057		ENSG00000091436
2	173622319	173622599	173622440	8	10	3	2.636998906	0.034203		ENSG00000091436
2	173697406	173697776	173697597	16	23	4	4.602761727	0.000137072		ENSG00000091436

2	173864455	173864718	173864614	8	9	0	9.589086931	0.00120187	CDCA7	ENSG00000144354
2	173975575	173975765	173975621	8	9	1	4.794543465	0.00708517		ENSG00000213148
2	174022231	174022454	174022323	9	10	4	2.109599125	0.0694668		ENSG00000213148
2	174144550	174144790	174144632	12	13	2	4.474907234	0.00269459		ENSG00000170226
2	174225695	174226015	174225855	12	17	5	2.876726079	0.00703033		ENSG00000170226
2	174240160	174240347	174240244	8	8	4	1.726035648	0.150596		ENSG00000170226
2	174401537	174401750	174401630	9	10	2	3.515998541	0.0136204	SP3	ENSG00000172845
2	174401853	174402112	174401982	9	10	2	3.515998541	0.0136204	SP3	ENSG00000172845
2	174424240	174424490	174424365	8	9	5	1.598181155	0.170911	SP3	ENSG00000172845
2	174555871	174556592	174556140	78	111	4	21.47955472	8.41E-28	SP3	ENSG00000172845
2	174557911	174558144	174558018	10	10	5	1.757999271	0.121253	SP3	ENSG00000172845
2	174612813	174613178	174613019	14	21	5	3.515998541	0.00108602	SP3	ENSG00000172845
2	174636843	174637162	174636935	12	17	2	5.753452158	0.000281509	SP3	ENSG00000172845
2	174885791	174885970	174885896	8	8	2	2.876726079	0.0381137		ENSG00000217236
2	175270144	175270376	175270269	8	9	4	1.917817386	0.103282	WIPF1	ENSG00000115935
2	176109578	176109799	176109684	8	8	0	8.630178238	0.00235436		ENSG00000221347
2	177027826	177028122	177027981	9	11	6	1.643843474	0.137712		ENSG00000221304
2	177504820	177505018	177504990	8	9	1	4.794543465	0.00708517		ENSG00000206866
2	177742133	177742312	177742149	8	8	0	8.630178238	0.00235436		ENSG00000201102
2	177743038	177743970	177743334	147	225	11	18.05944705	1.08E-51		ENSG00000201102
2	177836233	177836665	177836489	10	19	5	3.19636231	0.00280933	NFE2L2	ENSG00000222043
2	177886419	177886841	177886582	33	47	1	23.01380863	2.36E-13		ENSG00000208194
2	178047335	178047647	178047491	10	12	0	12.46581301	0.000159888	TTC30B	ENSG00000196659
2	178685190	178685525	178685356	12	16	2	5.433815927	0.000499302	RBM45	ENSG00000155636
2	178987518	178987706	178987612	9	10	2	3.515998541	0.0136204		ENSG00000203325
2	179464385	179464644	179464514	8	11	4	2.301380863	0.0459276	CCDC141	ENSG00000163492
2	180698634	180698924	180698787	9	12	1	6.232906505	0.00117736		ENSG00000163510
2	181657051	181657289	181657170	8	11	1	5.753452158	0.00215302	UBE2E3	ENSG00000170035
2	181687008	181687328	181687175	14	17	5	2.876726079	0.00703033	UBE2E3	ENSG00000170035
2	182147972	182148199	182148122	8	9	2	3.19636231	0.0229249		ENSG00000197819
2	182229517	182229736	182229676	10	10	4	2.109599125	0.0694668	CERKL	ENSG00000188452
2	182288105	182288293	182288219	8	8	2	2.876726079	0.0381137		ENSG00000221023
2	182315906	182316096	182315993	8	8	5	1.43836304	0.235762		ENSG00000221023
2	183166060	183166549	183166291	9	20	3	5.034270639	0.000202317	PDE1A	ENSG00000115252

2	183335601	183335857	183335741	9	11	4	2.301380863	0.0459276	DNAJC10	ENSG00000077232
2	183501158	183501454	183501289	20	21	3	5.273997812	0.00011662		ENSG00000207178
2	183651605	183651849	183651727	9	9	3	2.397271733	0.0539397	DUSP19	ENSG00000162999
2	184165349	184165528	184165419	8	8	0	8.630178238	0.00235436		ENSG00000177855
2	184524719	184525027	184524854	9	13	6	1.917817386	0.0693353		ENSG00000208184
2	184565845	184566049	184565947	9	10	3	2.636998906	0.034203		ENSG00000208184
2	184604648	184604926	184604787	8	8	2	2.876726079	0.0381137		ENSG00000208184
2	186140876	186141489	186141166	83	120	2	38.67598395	8.48E-33		ENSG00000212581
2	187164222	187164401	187164303	8	8	2	2.876726079	0.0381137	ITGAV	ENSG00000138448
2	188073961	188074213	188074123	8	11	6	1.643843474	0.137712	TFPI	ENSG00000003436
2	189266118	189266404	189266266	8	10	2	3.515998541	0.0136204	DIRC1	ENSG00000174325
2	189299903	189300205	189300049	9	12	3	3.116453252	0.0131971	DIRC1	ENSG00000174325
2	189716166	189716450	189716299	12	13	5	2.237453617	0.038866	COL5A2	ENSG00000204262
2	190014245	190014467	190014356	9	12	4	2.493162602	0.0299057	WDR75	ENSG00000115368
2	190059327	190059571	190059441	9	10	2	3.515998541	0.0136204	WDR75	ENSG00000115368
2	190158383	190158781	190158552	28	36	1	17.73981082	3.00E-10	SLC40A1	ENSG00000138449
2	190336016	190336307	190336145	11	12	3	3.116453252	0.0131971	OSGEPL1	ENSG00000128694
2	190626402	190626751	190626576	16	20	1	10.06854128	8.32E-06	MSTN	ENSG00000138379
2	190892876	190893114	190893005	8	9	3	2.397271733	0.0539397	HIBCH	ENSG00000198130
2	191253353	191253670	191253511	8	12	3	3.116453252	0.0131971	NAB1	ENSG00000138386
2	191292039	191292231	191292134	8	8	0	8.630178238	0.00235436	NAB1	ENSG00000138386
2	191587149	191587328	191587238	8	8	0	8.630178238	0.00235436	STAT1	ENSG00000115415
2	191792402	191792640	191792529	10	12	4	2.493162602	0.0299057	MYO1B	ENSG00000128641
2	191902857	191903068	191902962	8	8	4	1.726035648	0.150596		ENSG00000208171
2	191955664	191956073	191955838	9	16	2	5.433815927	0.000499302		ENSG00000208171
2	192269175	192269530	192269352	13	18	0	18.21926517	2.83E-06	OBFC2A	ENSG00000173559
2	192296632	192296849	192296740	8	9	1	4.794543465	0.00708517	OBFC2A	ENSG00000173559
2	192331899	192332186	192332058	16	19	6	2.739739123	0.00632909	OBFC2A	ENSG00000173559
2	192417770	192418060	192417907	19	20	5	3.356180426	0.0017534	SDPR	ENSG00000168497
2	192535749	192535928	192535838	8	8	1	4.315089119	0.0127267		ENSG00000213946
2	193117422	193117967	193117790	35	50	0	48.90434335	1.28E-15	TMEFF2	ENSG00000144339
2	194916095	194916467	194916274	20	27	1	13.4247217	9.80E-08		ENSG00000208170
2	195282432	195282688	195282575	10	11	2	3.835634772	0.00800699		ENSG00000208170
2	196230113	196230395	196230259	11	13	7	1.678090213	0.11195	SLC39A10	ENSG00000196950

2	196805864	196806266	196806089	15	21	0	21.09599125	3.76E-07	ENSG00000208167	
2	197089544	197089839	197089682	8	8	0	8.630178238	0.00235436	HECW2	ENSG00000138411
2	197324079	197324401	197324256	12	15	5	2.557089848	0.0169197	CCDC150	ENSG00000144395
2	197372515	197372827	197372658	11	15	4	3.068507818	0.0076507	GTF3C3	ENSG00000119041
2	197498553	197498842	197498694	13	18	6	2.602752167	0.00970422	PGAP1	ENSG00000197121
2	197756372	197756551	197756462	8	8	1	4.315089119	0.0127267	ANKRD44	ENSG00000065413
2	197774908	197775265	197775086	27	33	1	16.30144778	2.08E-09	ANKRD44	ENSG00000065413
2	197880286	197880558	197880448	8	10	2	3.515998541	0.0136204	ANKRD44	ENSG00000065413
2	198072868	198073142	198073005	11	14	9	1.43836304	0.179537	HSPE1	ENSG00000115541
2	198073326	198073544	198073435	10	12	1	6.232906505	0.00117736	HSPE1	ENSG00000115541
2	198186572	198186863	198186721	13	15	1	7.671269544	0.000187863	RFTN2	ENSG00000162944
2	198277856	198278153	198278034	10	13	4	2.684944341	0.01921	MARS2	ENSG00000152428
2	198376061	198376329	198376195	12	14	7	1.797953799	0.0806593	BOLL	ENSG00000152430
2	200528474	200528714	200528565	9	10	2	3.515998541	0.0136204	C2orf47	ENSG00000162972
2	200555456	200555791	200555612	19	23	1	11.50690432	1.25E-06	C2orf47	ENSG00000162972
2	200832466	200832900	200832721	11	20	12	1.54900635	0.101141		ENSG00000196141
2	200851557	200851975	200851766	15	27	5	4.474907234	5.37E-05		ENSG00000196141
2	200861716	200861915	200861845	8	9	3	2.397271733	0.0539397		ENSG00000196141
2	200873590	200874197	200873823	50	86	3	20.85626407	5.62E-22		ENSG00000196141
2	201054441	201054639	201054540	9	10	3	2.636998906	0.034203	KCTD18	ENSG00000155729
2	201462125	201462431	201462264	11	13	4	2.684944341	0.01921	PPIL3	ENSG00000115934
2	201642464	201642649	201642556	8	9	6	1.369869562	0.253675	FAM126B	ENSG00000155744
2	201691556	201692208	201691854	15	34	4	6.712360851	3.20E-07	CFLAR	ENSG00000003402
2	201805276	201805479	201805378	9	9	2	3.19636231	0.0229249	CASP8	ENSG00000064012
2	202215648	202216073	202215795	11	17	1	8.630178238	5.44E-05	ALS2CR4	ENSG00000155755
2	202981715	202982062	202981888	10	16	0	16.30144778	1.09E-05	BMPR2	ENSG00000204217
2	203266566	203266808	203266649	9	11	0	11.50690432	0.000313206	FAM117B	ENSG00000138439
2	203404475	203404762	203404624	10	13	6	1.917817386	0.0693353	ICA1L	ENSG00000163596
2	204152020	204152489	204152223	13	24	10	2.179337939	0.011585	RAPH1	ENSG00000173166
2	204599910	204600334	204600155	22	30	2	9.908723162	1.20E-07	ICOS	ENSG00000163600
2	204682601	204682859	204682691	8	11	3	2.876726079	0.0213797	ICOS	ENSG00000163600
2	205021428	205021793	205021607	17	24	0	23.97271733	5.01E-08	PARD3B	ENSG00000116117
2	205337158	205337498	205337328	29	35	0	34.52071295	3.07E-11	PARD3B	ENSG00000116117
2	205422873	205423184	205423030	22	25	2	8.310542006	2.50E-06	PARD3B	ENSG00000116117

2	205598018	205598357	205598187	13	19	3	4.794543465	0.000349205		ENSG00000208122
2	205966310	205966514	205966412	8	8	1	4.315089119	0.0127267		ENSG00000208122
2	206243258	206243690	206243478	30	38	2	12.46581301	8.46E-10	NRP2	ENSG00000118257
2	206252956	206253303	206253127	12	17	8	1.917817386	0.0474153	NRP2	ENSG00000118257
2	206803255	206803726	206803457	41	57	2	18.5389014	5.08E-15		ENSG00000222496
2	207181790	207181969	207181879	8	8	1	4.315089119	0.0127267		ENSG00000213083
2	208378900	208379172	208379061	13	16	2	5.433815927	0.000499302		ENSG00000188519
2	208481746	208482051	208481900	14	16	1	8.150723891	0.000101217		ENSG00000220999
2	208747309	208747684	208747508	15	21	7	2.636998906	0.00562102	CRYGA	ENSG00000168582
2	209039310	209039519	209039426	9	11	3	2.876726079	0.0213797	PTH2R	ENSG00000144407
2	209556610	209556838	209556738	8	10	2	3.515998541	0.0136204		ENSG00000202164
2	209907455	209907699	209907543	12	14	0	14.3836304	4.17E-05	MAP2	ENSG00000078018
2	209941930	209942127	209942049	8	10	2	3.515998541	0.0136204	MAP2	ENSG00000078018
2	210068857	210069063	210068960	8	10	2	3.515998541	0.0136204	MAP2	ENSG00000078018
2	210129407	210129617	210129512	9	10	0	10.54799562	0.000613541	MAP2	ENSG00000078018
2	210226803	210226982	210226892	9	9	2	3.19636231	0.0229249		ENSG00000208106
2	210299359	210299573	210299466	10	10	0	10.54799562	0.000613541		ENSG00000222317
2	210743305	210743615	210743460	10	13	2	4.474907234	0.00269459	C2orf67	ENSG00000144445
2	211821924	211822239	211822081	11	12	3	3.116453252	0.0131971		ENSG00000199585
2	211940328	211940558	211940433	11	13	4	2.684944341	0.01921		ENSG00000199585
2	212137442	212137883	212137568	25	35	1	17.26035648	5.72E-10		ENSG00000199585
2	212453444	212453710	212453612	13	15	0	15.34253909	2.13E-05		ENSG00000208089
2	212474399	212474786	212474637	23	30	0	29.72616948	8.86E-10		ENSG00000208089
2	212727017	212727237	212727127	10	10	0	10.54799562	0.000613541		ENSG00000221782
2	212727319	212727868	212727498	30	46	2	15.02290286	5.55E-12		ENSG00000221782
2	213201550	213201928	213201739	19	27	0	26.84944341	6.66E-09	ERBB4	ENSG00000178568
2	213478879	213479203	213479033	9	14	10	1.307602763	0.244096		ENSG00000221388
2	213513158	213513376	213513215	9	12	4	2.493162602	0.0299057		ENSG00000221388
2	213848312	213848538	213848414	9	11	1	5.753452158	0.00215302		ENSG00000196096
2	214073924	214074232	214074067	14	18	7	2.277408146	0.0188653		ENSG00000208087
2	214469725	214469917	214469821	11	11	0	11.50690432	0.000313206		ENSG00000208083
2	214790615	214790884	214790749	10	11	2	3.835634772	0.00800699		ENSG00000213917
2	214983925	214984118	214983972	8	9	1	4.794543465	0.00708517		ENSG00000174453
2	215418325	215418542	215418392	8	9	0	9.589086931	0.00120187		ENSG00000207274

2	215625561	215625753	215625669	11	11	0	11.50690432	0.000313206	ABCA12	ENSG00000144452
2	215709789	215710388	215710210	16	28	7	3.476044012	0.000248863	ABCA12	ENSG00000144452
2	215710659	215711839	215710891	168	231	15	13.90417605	1.64E-49	ABCA12	ENSG00000144452
2	215789878	215790080	215789979	8	9	3	2.397271733	0.0539397	ABCA12	ENSG00000144452
2	215811499	215811678	215811588	8	8	2	2.876726079	0.0381137		ENSG00000208081
2	215842823	215843076	215842961	8	10	3	2.636998906	0.034203		ENSG00000208081
2	216060143	216060439	216060260	8	11	1	5.753452158	0.00215302	FN1	ENSG00000115414
2	216235623	216235949	216235786	8	13	3	3.356180426	0.00805599		ENSG00000216721
2	216522949	216523207	216523078	12	13	3	3.356180426	0.00805599	MREG	ENSG00000118242
2	216552703	216552882	216552810	8	8	13	0.616441303	0.878084	MREG	ENSG00000118242
2	216555479	216555925	216555650	13	22	7	2.756862493	0.003684	MREG	ENSG00000118242
2	216586677	216586921	216586834	9	11	2	3.835634772	0.00800699	MREG	ENSG00000118242
2	217124669	217125065	217124848	37	49	3	11.98635866	7.33E-12	RPL37A	ENSG00000197756
2	217286671	217286935	217286804	12	14	0	14.3836304	4.17E-05	IGFBP5	ENSG00000115461
2	217510603	217510879	217510710	8	10	1	5.273997812	0.00391723	TNP1	ENSG00000118245
2	218007275	218007466	218007338	9	9	1	4.794543465	0.00708517	TNS1	ENSG00000079308
2	218280045	218280519	218280214	9	18	9	1.821926517	0.0548428	TNS1	ENSG00000079308
2	218561148	218561346	218561239	8	8	4	1.726035648	0.150596	TNS1	ENSG00000079308
2	218698833	218699051	218698930	10	11	0	11.50690432	0.000313206	IL8RB	ENSG00000180871
2	218759290	218759485	218759374	8	8	2	2.876726079	0.0381137		ENSG00000208079
2	218791952	218792267	218792122	16	20	2	6.712360851	4.91E-05	ARPC2	ENSG00000163466
2	218907827	218908127	218907977	16	16	2	5.433815927	0.000499302		ENSG00000212106
2	218969540	218969775	218969657	8	9	2	3.19636231	0.0229249	CTDSP1	ENSG00000144579
2	219017634	219017831	219017738	8	8	2	2.876726079	0.0381137	VIL1	ENSG00000127831
2	219022012	219022259	219022135	8	10	5	1.757999271	0.121253	VIL1	ENSG00000127831
2	219420737	219420932	219420834	10	10	9	1.054799562	0.4492	WNT6	ENSG00000115596
2	219481761	219481964	219481862	8	8	4	1.726035648	0.150596		ENSG00000200029
2	219614444	219614767	219614605	8	12	4	2.493162602	0.0299057	CCDC108	ENSG00000181378
2	219699336	219699754	219699645	9	15	11	1.278544924	0.254978		ENSG00000223334
2	219750688	219750925	219750800	10	10	1	5.273997812	0.00391723	C2orf24	ENSG00000115649
2	219790869	219791191	219791043	10	14	3	3.595907599	0.00486913	ABCB6	ENSG00000115657
2	219818864	219819138	219819004	9	10	7	1.318499453	0.269217	STK16	ENSG00000115661
2	219859424	219859855	219859614	17	29	0	28.76726079	1.74E-09	DNAJB2	ENSG00000135924
2	219971909	219972156	219972046	9	9	9	0.958908693	0.536911	DNPEP	ENSG00000123992

2	219973053	219973344	219973198	9	10	6	1.506856518	0.188853	DNPEP	ENSG00000123992
2	220003852	220004052	220003952	8	9	3	2.397271733	0.0539397	SPEG	ENSG00000072195
2	220144892	220145120	220145024	11	12	2	4.155271003	0.0046638	INHA	ENSG00000123999
2	220215525	220215718	220215608	9	10	3	2.636998906	0.034203	SLC4A3	ENSG00000114923
2	220234081	220234330	220234205	9	9	2	3.19636231	0.0229249		ENSG00000216281
2	220257537	220258405	220257754	36	74	2	23.97271733	9.05E-20		ENSG00000216281
2	220306133	220306550	220306305	47	54	1	26.36998906	2.43E-15		ENSG00000216666
2	220587859	220588158	220588008	11	14	6	2.054804342	0.0480281		ENSG00000221199
2	220771998	220772393	220772158	18	23	0	23.01380863	9.81E-08		ENSG00000221199
2	220846161	220846340	220846250	8	8	5	1.43836304	0.235762		ENSG00000221199
2	221192591	221192846	221192697	10	10	1	5.273997812	0.00391723		ENSG00000222096
2	221255636	221255933	221255784	10	12	8	1.385090334	0.219216		ENSG00000222096
2	221407813	221408037	221407925	8	8	2	2.876726079	0.0381137		ENSG00000208071
2	221428293	221428501	221428397	9	9	3	2.397271733	0.0539397		ENSG00000208071
2	221562564	221562766	221562665	8	8	0	8.630178238	0.00235436		ENSG00000208071
2	221871589	221871795	221871712	8	8	0	8.630178238	0.00235436		ENSG00000221432
2	222103044	222103415	222103223	53	61	4	11.89046779	3.48E-14		ENSG00000221432
2	223281339	223281544	223281441	8	8	4	1.726035648	0.150596		ENSG00000208067
2	223350427	223350643	223350535	8	8	0	8.630178238	0.00235436		ENSG00000208067
2	223410717	223411210	223410915	12	22	2	7.351633313	1.51E-05	ACSL3	ENSG00000123983
2	223760281	223760473	223760377	9	10	0	10.54799562	0.000613541		ENSG00000222485
2	224122161	224122549	224122408	8	13	3	3.356180426	0.00805599	SCG2	ENSG00000171951
2	224214201	224214418	224214309	10	11	3	2.876726079	0.0213797	SCG2	ENSG00000171951
2	224298589	224298779	224298723	10	10	2	3.515998541	0.0136204	AP1S3	ENSG00000152056
2	224460127	224460395	224460286	9	12	1	6.232906505	0.00117736	AP1S3	ENSG00000152056
2	225094930	225095242	225095109	17	20	1	10.06854128	8.32E-06	CUL3	ENSG00000036257
2	225421558	225421780	225421669	8	9	4	1.917817386	0.103282		ENSG00000208064
2	226188546	226188989	226188706	36	41	1	20.13708255	1.17E-11		ENSG00000144460
2	226189329	226189539	226189434	12	12	0	12.46581301	0.000159888		ENSG00000144460
2	226209616	226209941	226209778	25	30	2	9.908723162	1.20E-07		ENSG00000144460
2	226604671	226604856	226604831	8	8	2	2.876726079	0.0381137		
2	226688081	226688359	226688201	15	17	7	2.157544559	0.0276499		ENSG00000208062
2	226697658	226697861	226697744	8	11	5	1.917817386	0.0843804		ENSG00000208062
2	228039328	228040088	228039816	12	36	4	7.095924329	1.02E-07	AGFG1	ENSG00000173744

2	229753593	229754007	229753831	75	93	72	1.234759139	0.086758		ENSG00000208058
2	229846744	229847088	229846916	9	13	1	6.712360851	0.000640982	PID1	ENSG00000153823
2	231938314	231938550	231938412	9	10	5	1.757999271	0.121253	B3GNT7	ENSG00000156966
2	232868976	232869185	232869085	12	12	3	3.116453252	0.0131971	ALPP	ENSG00000163283
2	232968879	232969111	232969025	10	11	0	11.50690432	0.000313206	ECEL1P2	ENSG00000204121
2	233924179	233924371	233924275	8	10	0	10.54799562	0.000613541	DGKD	ENSG00000077044
2	235207092	235207434	235207263	15	18	6	2.602752167	0.00970422	ARL4C	ENSG00000188042
2	235400668	235401075	235400804	13	19	0	19.17817386	1.44E-06	SH3BP4	ENSG00000130147
2	235600918	235601144	235601016	8	9	1	4.794543465	0.00708517	SH3BP4	ENSG00000130147
2	235898563	235898853	235898712	19	22	0	22.05489994	1.92E-07		ENSG00000216002
2	236215759	236216061	236215910	13	15	0	15.34253909	2.13E-05	AGAP1	ENSG00000157985
2	236239226	236239532	236239382	8	10	2	3.515998541	0.0136204	AGAP1	ENSG00000157985
2	236735383	236735718	236735550	19	24	0	23.97271733	5.01E-08	GBX2	ENSG00000168505
2	237265301	237265635	237265478	11	14	2	4.794543465	0.00154571	CXCR7	ENSG00000144476
2	237305396	237305718	237305568	14	16	2	5.433815927	0.000499302	CXCR7	ENSG00000144476
2	237319285	237319505	237319414	9	9	2	3.19636231	0.0229249	CXCR7	ENSG00000144476
2	237560017	237560282	237560141	9	12	1	6.232906505	0.00117736		ENSG00000202341
2	238297164	238297369	238297295	10	13	2	4.474907234	0.00269459	LRRFIP1	ENSG00000124831
2	238513238	238513517	238513377	26	28	0	27.8083521	3.40E-09	UBE2F	ENSG00000184182
2	238809007	238809268	238809137	17	17	3	4.315089119	0.00102271		ENSG00000186235
2	238829942	238830202	238830115	8	11	2	3.835634772	0.00800699	HES6	ENSG00000144485
2	238840795	238841081	238840938	12	15	1	7.671269544	0.000187863	PER2	ENSG00000132326
2	238963328	238964074	238963835	76	114	2	36.75816657	4.34E-31		ENSG00000202099
2	240294265	240294463	240294364	8	8	1	4.315089119	0.0127267		ENSG00000213827
2	241761678	241761912	241761772	8	10	4	2.109599125	0.0694668	ANO7	ENSG00000146205
2	242486503	242486787	242486626	9	10	1	5.273997812	0.00391723		ENSG00000216921
20	164642	164833	164755	9	9	3	2.397271733	0.0539397	DEFB129	ENSG00000125903
20	226837	227182	227012	10	14	3	3.595907599	0.00486913	ZCCHC3	ENSG00000177764
20	390362	390557	390459	8	9	0	9.589086931	0.00120187	TBC1D20	ENSG00000125875
20	831677	832230	831934	25	39	1	19.17817386	4.29E-11	ANGPT4	ENSG00000101280
20	1141643	1141881	1141737	9	9	2	3.19636231	0.0229249		ENSG00000215595
20	1428234	1428444	1428351	10	10	0	10.54799562	0.000613541	SIRPB2	ENSG00000196209
20	1429187	1429374	1429269	8	9	0	9.589086931	0.00120187	SIRPB2	ENSG00000196209
20	2112920	2113221	2113067	11	15	1	7.671269544	0.000187863	STK35	ENSG00000125834

20	2399284	2399545	2399374	8	10	1	5.273997812	0.00391723	SNRPB	ENSG00000125835
20	3422811	3423244	3423055	53	65	3	15.82199344	3.44E-16	SF3A3P1	ENSG00000217305
20	3681623	3681918	3681800	8	10	4	2.109599125	0.0694668	C20orf27	ENSG00000101220
20	3696441	3696630	3696572	8	8	4	1.726035648	0.150596	C20orf27	ENSG00000101220
20	3697386	3697579	3697466	9	11	4	2.301380863	0.0459276	C20orf27	ENSG00000101220
20	3736013	3736358	3736202	11	15	3	3.835634772	0.00291691	CDC25B	ENSG00000101224
20	3749407	3749740	3749573	8	14	7	1.797953799	0.0806593	C20orf29	ENSG00000125843
20	3783846	3784034	3783990	8	8	4	1.726035648	0.150596		ENSG00000088888
20	3821696	3821881	3821743	8	9	1	4.794543465	0.00708517	PANK2	ENSG00000125779
20	3822079	3822549	3822257	35	46	1	22.53435429	4.53E-13	PANK2	ENSG00000125779
20	3942767	3942983	3942871	8	9	9	0.958908693	0.536911	RNF24	ENSG00000101236
20	4380142	4380467	4380304	19	22	1	11.02744997	2.36E-06	RPL7AL2	ENSG00000219900
20	4700318	4700697	4700571	17	24	2	7.990905775	4.56E-06	RASSF2	ENSG00000101265
20	5048649	5049139	5048828	37	51	3	12.46581301	2.13E-12	PCNA	ENSG00000132646
20	6030022	6030303	6030162	11	14	3	3.595907599	0.00486913		ENSG00000198145
20	6362727	6363113	6362941	15	22	1	11.02744997	2.36E-06		ENSG00000221449
20	6583455	6583781	6583618	12	15	0	15.34253909	2.13E-05	BMP2	ENSG00000125845
20	6758240	6758673	6758498	8	14	1	7.191815198	0.00034761	BMP2	ENSG00000125845
20	7530168	7530418	7530285	14	14	2	4.794543465	0.00154571		ENSG00000209691
20	7701018	7701477	7701196	41	52	2	16.94072024	1.23E-13		ENSG00000215586
20	8184931	8185202	8185104	8	11	3	2.876726079	0.0213797	PLCB1	ENSG00000182621
20	8752545	8752724	8752655	8	8	2	2.876726079	0.0381137		ENSG00000201348
20	8785604	8785929	8785765	18	21	0	21.09599125	3.76E-07		ENSG00000201348
20	8831293	8831600	8831466	24	28	1	13.90417605	5.17E-08		ENSG00000219276
20	10021984	10022234	10022109	12	14	4	2.876726079	0.01219	ANKRD5	ENSG00000132623
20	10047957	10048496	10048189	71	88	2	28.44762456	1.03E-23	ANKRD5	ENSG00000132623
20	10179626	10179876	10179751	8	10	2	3.515998541	0.0136204	SNAP25	ENSG00000132639
20	10317298	10317656	10317480	12	17	3	4.315089119	0.00102271		ENSG00000218202
20	10363582	10363863	10363751	9	12	6	1.78083043	0.0985525	C20orf94	ENSG00000149346
20	10375787	10376041	10375890	8	9	2	3.19636231	0.0229249	C20orf94	ENSG00000149346
20	10488024	10488225	10488124	8	8	2	2.876726079	0.0381137		ENSG00000125881
20	10593367	10593590	10593509	8	8	2	2.876726079	0.0381137	JAG1	ENSG00000101384
20	10593677	10594262	10594044	37	55	2	17.89962894	1.82E-14	JAG1	ENSG00000101384
20	10661774	10662267	10661989	63	92	0	89.17850845	6.96E-28	JAG1	ENSG00000101384

20	10930532	10930799	10930665	8	11	3	2.876726079	0.0213797	C20orf187	ENSG00000125899
20	11810213	11810418	11810298	8	8	0	8.630178238	0.00235436	BTBD3	ENSG00000132640
20	12859488	12859846	12859667	14	18	2	6.073088389	0.000157975	SPTLC3	ENSG00000172296
20	12869900	12870102	12870001	8	8	2	2.876726079	0.0381137	SPTLC3	ENSG00000172296
20	13190487	13190739	13190584	8	10	1	5.273997812	0.00391723	C20orf82	ENSG00000101230
20	13213442	13214004	13213774	54	87	1	42.19198249	8.85E-25	C20orf82	ENSG00000101230
20	13215226	13215622	13215423	11	20	4	4.027416511	0.000652226	C20orf82	ENSG00000101230
20	13387606	13388111	13387938	8	17	8	1.917817386	0.0474153		ENSG00000216261
20	13729401	13729858	13729580	28	42	3	10.30826845	5.31E-10	C20orf7	ENSG00000101247
20	13789845	13790116	13789980	10	11	1	5.753452158	0.00215302	C20orf7	ENSG00000101247
20	14520527	14520992	14520699	20	30	4	5.945233897	3.05E-06		ENSG00000216947
20	14693425	14693735	14693580	10	12	3	3.116453252	0.0131971	RPS10P2	ENSG00000220654
20	14774216	14774580	14774395	9	16	7	2.037680973	0.0400399	RPS10P2	ENSG00000220654
20	15233021	15233472	15233221	37	49	0	47.94543465	2.51E-15		ENSG00000222500
20	16400773	16401008	16400890	9	11	2	3.835634772	0.00800699		ENSG00000221448
20	16658527	16658809	16658668	10	13	12	1.0326709	0.46514	SNRPB2	ENSG00000125870
20	16696990	16697264	16697136	11	14	2	4.794543465	0.00154571	OTOR	ENSG00000125879
20	17100402	17100755	17100576	8	13	2	4.474907234	0.00269459		ENSG00000220540
20	17250843	17251058	17250935	9	9	1	4.794543465	0.00708517	PCSK2	ENSG00000125851
20	17253932	17254124	17254028	8	9	0	9.589086931	0.00120187	PCSK2	ENSG00000125851
20	17254193	17254686	17254439	40	55	1	26.84944341	1.26E-15	PCSK2	ENSG00000125851
20	17356366	17356618	17356492	16	16	3	4.075361945	0.00173346	TCTE1P	ENSG00000216727
20	17462157	17462496	17462326	8	14	2	4.794543465	0.00154571	BFSP1	ENSG00000125864
20	17465675	17465894	17465784	8	8	4	1.726035648	0.150596	BFSP1	ENSG00000125864
20	17497719	17497968	17497840	8	10	4	2.109599125	0.0694668	DSTN	ENSG00000125868
20	17501011	17501372	17501188	10	16	1	8.150723891	0.000101217	DSTN	ENSG00000125868
20	17533900	17534240	17534021	8	13	3	3.356180426	0.00805599		ENSG00000219283
20	17778838	17779183	17779000	23	28	3	6.952088025	2.20E-06		ENSG00000221220
20	17897556	17897934	17897689	11	18	11	1.518272097	0.122037	C20orf72	ENSG00000125871
20	17898024	17898854	17898446	27	76	6	10.54799562	1.85E-16	C20orf72	ENSG00000125871
20	17899642	17899830	17899756	9	9	2	3.19636231	0.0229249	C20orf72	ENSG00000125871
20	17986513	17986719	17986616	13	13	4	2.684944341	0.01921	OVOL2	ENSG00000125850
20	18517304	18517535	18517419	8	8	1	4.315089119	0.0127267	DTD1	ENSG00000125821
20	18722598	18722787	18722721	8	8	3	2.157544559	0.0836802		ENSG00000179935

20	18780942	18781339	18781160	27	36	0	35.47962164	1.57E-11	C20orf78	ENSG00000149443
20	19160499	19160678	19160588	8	8	2	2.876726079	0.0381137	SLC24A3	ENSG00000185052
20	19204500	19204776	19204609	9	13	6	1.917817386	0.0693353		ENSG00000179447
20	20094197	20094388	20094292	8	8	3	2.157544559	0.0836802	C20orf26	ENSG00000089101
20	20289105	20289440	20289281	30	34	6	4.794543465	4.47E-06	INSM1	ENSG00000173404
20	20478410	20478671	20478540	12	13	3	3.356180426	0.00805599		ENSG00000204746
20	20532146	20532338	20532212	12	12	1	6.232906505	0.00117736	C20orf74	ENSG00000188559
20	20701281	20701484	20701382	8	9	3	2.397271733	0.0539397		ENSG00000209927
20	20708900	20709104	20709002	8	9	1	4.794543465	0.00708517		ENSG00000209927
20	21208888	21209105	21208996	8	8	3	2.157544559	0.0836802		ENSG00000217505
20	21209220	21209429	21209337	8	8	2	2.876726079	0.0381137		ENSG00000217505
20	21425102	21425439	21425258	24	29	2	9.589086931	2.21E-07	GSTM3P	ENSG00000220966
20	22248949	22249190	22249053	9	10	0	10.54799562	0.000613541	ST13P	ENSG00000218837
20	22267843	22268047	22267945	9	10	2	3.515998541	0.0136204	ST13P	ENSG00000218837
20	22308126	22308475	22308296	26	31	5	5.114179696	6.54E-06		ENSG00000204684
20	22979516	22979752	22979598	8	10	3	2.636998906	0.034203	THBD	ENSG00000178726
20	23029031	23029439	23029240	106	122	4	23.58915385	7.42E-31	CD93	ENSG00000125810
20	23068194	23068496	23068343	16	19	0	19.17817386	1.44E-06		ENSG00000201527
20	23083687	23084047	23083866	19	26	1	12.94526736	1.86E-07		ENSG00000201527
20	23375374	23375581	23375488	8	9	2	3.19636231	0.0229249	CST11	ENSG00000125831
20	23963706	23963896	23963781	9	9	2	3.19636231	0.0229249		ENSG00000167390
20	24024439	24024668	24024531	9	11	0	11.50690432	0.000313206		ENSG00000167390
20	24388348	24388649	24388499	13	16	1	8.150723891	0.000101217	C20orf39	ENSG00000101463
20	24859100	24859334	24859217	9	9	4	1.917817386	0.103282	CST7	ENSG00000077984
20	24881525	24881863	24881689	13	16	0	16.30144778	1.09E-05	CST7	ENSG00000077984
20	24923579	24923760	24923681	8	9	7	1.198635866	0.346278	C20orf3	ENSG00000101474
20	25005287	25005636	25005443	9	13	7	1.678090213	0.11195	VSX1	ENSG00000100987
20	25107547	25107964	25107725	10	17	3	4.315089119	0.00102271	ENTPD6	ENSG00000197586
20	25166382	25166806	25166561	12	21	1	10.54799562	4.43E-06	PYGB	ENSG00000100994
20	25624438	25625171	25624780	49	93	13	6.438386939	6.94E-16	ZNF337	ENSG00000130684
20	25679340	25679568	25679454	9	10	3	2.636998906	0.034203		ENSG00000219137
20	26136709	26137600	26137343	37	94	98	0.920164907	0.718921		ENSG00000207985
20	26137645	26137831	26137790	10	10	19	0.527399781	0.961307		ENSG00000207985
20	26137835	26138636	26138029	71	124	104	1.141557968	0.157586		ENSG00000207985

20	26235622	26235945	26235783	9	9	6	1.369869562	0.253675	ENSG00000207985
20	26244214	26244543	26244378	9	9	9	0.958908693	0.536911	ENSG00000207985
20	26264992	26265174	26265141	12	12	21	0.566627864	0.952667	ENSG00000207985
20	26266176	26266650	26266477	12	19	25	0.737622072	0.849755	ENSG00000207985
20	26267261	26267599	26267430	204	205	174	1.128772519	0.11863	ENSG00000207985
20	28197369	28197605	28197513	8	9	2	3.19636231	0.0229249	FRG1B ENSG00000149531
20	28252104	28252425	28252273	15	19	14	1.278544924	0.231514	MLLT10L ENSG00000217081
20	28260861	28261064	28260989	8	10	8	1.171999514	0.35773	MLLT10L ENSG00000217081
20	28261911	28262117	28262034	10	10	3	2.636998906	0.034203	MLLT10L ENSG00000217081
20	28266940	28267303	28267138	8	14	6	2.054804342	0.0480281	MLLT10L ENSG00000217081
20	29268243	29268572	29268407	16	16	6	2.328778255	0.0221113	DEFB115 ENSG00000215547
20	29274644	29274823	29274733	8	9	7	1.198635866	0.346278	DEFB115 ENSG00000215547
20	29278742	29279073	29278907	15	16	15	1.018840486	0.477384	DEFB115 ENSG00000215547
20	29282521	29282848	29282684	13	13	13	0.958908693	0.543805	DEFB115 ENSG00000215547
20	29284139	29284464	29284301	9	11	12	0.885146486	0.620672	DEFB115 ENSG00000215547
20	29287455	29287786	29287620	17	20	14	1.34247217	0.186867	DEFB115 ENSG00000215547
20	29364775	29365121	29364948	12	15	7	1.917817386	0.0572317	RPL31P3 ENSG00000217200
20	29552084	29552385	29552234	8	8	2	2.876726079	0.0381137	HM13 ENSG00000101294
20	29598764	29599049	29598906	8	12	4	2.493162602	0.0299057	ENSG00000219431
20	29624177	29624619	29624467	14	21	4	4.219198249	0.000390041	ENSG00000201770
20	29644752	29645150	29644955	22	30	6	4.246595641	3.49E-05	ID1 ENSG00000125968
20	29658765	29658970	29658909	8	9	5	1.598181155	0.170911	ID1 ENSG00000125968
20	29729950	29730778	29730267	136	180	12	13.3509595	1.12E-38	COX4I2 ENSG00000131055
20	29731433	29731751	29731597	12	16	7	2.037680973	0.0400399	BCL2L1 ENSG00000171552
20	29731791	29732103	29731947	9	10	8	1.171999514	0.35773	BCL2L1 ENSG00000171552
20	29732465	29732650	29732587	8	8	3	2.157544559	0.0836802	BCL2L1 ENSG00000171552
20	29750727	29751222	29750873	15	24	2	7.990905775	4.56E-06	BCL2L1 ENSG00000171552
20	29774154	29774678	29774523	9	19	8	2.130908207	0.0233014	BCL2L1 ENSG00000171552
20	29775336	29775649	29775492	9	14	4	2.876726079	0.01219	BCL2L1 ENSG00000171552
20	29790103	29790572	29790439	9	16	10	1.481949798	0.147733	TPX2 ENSG00000088325
20	29790659	29791006	29790832	14	20	8	2.237453617	0.0160557	TPX2 ENSG00000088325
20	29930939	29931295	29931117	9	14	6	2.054804342	0.0480281	TTL9 ENSG00000131044
20	29949461	29949695	29949578	10	12	3	3.116453252	0.0131971	ENSG00000199497
20	30002151	30002338	30002244	9	9	3	2.397271733	0.0539397	PDRG1 ENSG00000088356

20	30082947	30083229	30083088	10	14	3	3.595907599	0.00486913		ENSG00000212571
20	30092179	30092458	30092318	11	13	4	2.684944341	0.01921		ENSG00000212571
20	30115841	30116193	30116017	10	16	7	2.037680973	0.0400399	HCK	ENSG00000101336
20	30160854	30161196	30161032	8	13	6	1.917817386	0.0693353	TM9SF4	ENSG00000101337
20	30187626	30187990	30187825	8	13	8	1.491635745	0.166708	TM9SF4	ENSG00000101337
20	30381537	30381882	30381696	8	12	2	4.155271003	0.0046638	ASXL1	ENSG00000171456
20	30746703	30746916	30746769	8	9	4	1.917817386	0.103282		ENSG00000198179
20	31425235	31425677	31425498	15	26	5	4.315089119	8.98E-05		ENSG00000131062
20	31452949	31453144	31453046	9	9	5	1.598181155	0.170911	CDK5RAP1	ENSG00000101391
20	31508682	31508863	31508789	8	8	6	1.232882605	0.333038	SNTA1	ENSG00000101400
20	31843575	31843775	31843685	8	8	3	2.157544559	0.0836802		ENSG00000203434
20	31889599	31889934	31889766	16	21	3	5.273997812	0.00011662	CHMP4B	ENSG00000101421
20	31984990	31985174	31985099	8	9	2	3.19636231	0.0229249		ENSG00000214200
20	32253095	32253274	32253195	8	8	0	8.630178238	0.00235436		ENSG00000214185
20	32392112	32392538	32392318	10	18	2	6.073088389	0.000157975		ENSG00000216910
20	32500689	32500868	32500811	8	8	0	8.630178238	0.00235436		ENSG00000207997
20	32577290	32577820	32577665	16	34	8	3.729089362	3.70E-05		ENSG00000206582
20	32673149	32673349	32673249	8	8	1	4.315089119	0.0127267	PIGU	ENSG00000101464
20	32924417	32924596	32924496	8	8	1	4.315089119	0.0127267	GGT7	ENSG00000131067
20	32959251	32959456	32959353	9	10	0	10.54799562	0.000613541	ACSS2	ENSG00000131069
20	33006688	33006883	33006785	8	9	1	4.794543465	0.00708517	GSS	ENSG00000100983
20	33006907	33007197	33007052	16	19	2	6.39272462	8.83E-05	GSS	ENSG00000100983
20	33335991	33336238	33336114	9	10	1	5.273997812	0.00391723	EIF6	ENSG00000126005
20	33358265	33358469	33358367	8	10	3	2.636998906	0.034203	FAM83C	ENSG00000125998
20	33359393	33359918	33359556	47	63	3	15.34253909	1.21E-15	FAM83C	ENSG00000125998
20	33463137	33463484	33463310	20	26	8	2.876726079	0.00140919	UQCC	ENSG00000101019
20	33502400	33502887	33502651	158	186	9	17.93159256	4.10E-43		ENSG00000221763
20	33670917	33671116	33670993	8	8	1	4.315089119	0.0127267	SPAG4	ENSG00000061656
20	33792114	33792362	33792268	9	9	6	1.369869562	0.253675	RBM39	ENSG00000131051
20	33793947	33794176	33794061	10	12	7	1.558226626	0.152813	RBM39	ENSG00000131051
20	33797965	33798272	33798131	9	11	3	2.876726079	0.0213797	RBM39	ENSG00000131051
20	33904763	33905087	33904925	10	14	0	14.3836304	4.17E-05		ENSG00000199676
20	34005659	34005917	34005757	10	14	3	3.595907599	0.00486913	SCAND1	ENSG00000171222
20	34102328	34102539	34102426	8	8	3	2.157544559	0.0836802		ENSG00000220639

20	34208079	34208267	34208245	8	9	5	1.598181155	0.170911	EPB41L1	ENSG00000088367
20	34461519	34461749	34461607	10	12	1	6.232906505	0.00117736	DLGAP4	ENSG00000080845
20	34618401	34618585	34618493	8	9	1	4.794543465	0.00708517	MYL9	ENSG00000101335
20	34647307	34647499	34647421	8	8	7	1.07877228	0.435076	TGIF2	ENSG00000118707
20	34667199	34667489	34667326	13	14	2	4.794543465	0.00154571	C20orf24	ENSG00000101084
20	34708296	34708869	34708693	42	54	6	7.534282588	7.46E-11	SLA2	ENSG00000101082
20	34832758	34833004	34832862	8	8	1	4.315089119	0.0127267	DSN1	ENSG00000149636
20	34897080	34897675	34897368	42	74	7	8.989768997	3.55E-15	C20orf117	ENSG00000149639
20	34923760	34924023	34923891	12	15	0	15.34253909	2.13E-05	C20orf117	ENSG00000149639
20	35144101	35144293	35144197	8	8	1	4.315089119	0.0127267	RBL1	ENSG00000080839
20	35239796	35239975	35239891	8	9	1	4.794543465	0.00708517	RPN2	ENSG00000118705
20	35239996	35240444	35240344	13	20	5	3.356180426	0.0017534	RPN2	ENSG00000118705
20	35240558	35240901	35240725	12	16	5	2.716907964	0.0109645	RPN2	ENSG00000118705
20	35254190	35254486	35254338	9	13	3	3.356180426	0.00805599	C20orf132	ENSG00000101353
20	35341072	35341316	35341194	8	9	6	1.369869562	0.253675	MANBAL	ENSG00000101363
20	35456535	35457104	35456856	152	186	1	89.6579628	2.29E-53	SRC	ENSG00000197122
20	35588136	35588439	35588270	10	13	1	6.712360851	0.000640982	BLCAP	ENSG00000166619
20	35964151	35964436	35964296	9	10	2	3.515998541	0.0136204	VSTM2L	ENSG00000132821
20	36201061	36201281	36201171	9	10	3	2.636998906	0.034203	TGM2	ENSG00000198959
20	36534480	36535010	36534745	9	20	7	2.517135319	0.00849957	KIAA1219	ENSG00000170471
20	36990355	36990559	36990457	8	9	0	9.589086931	0.00120187	FAM83D	ENSG00000101447
20	37573562	37573800	37573681	11	11	1	5.753452158	0.00215302		ENSG00000210455
20	37874245	37874643	37874473	24	31	3	7.671269544	3.82E-07	HSPEP1	ENSG00000219645
20	38005317	38005572	38005442	8	9	1	4.794543465	0.00708517	HSPEP1	ENSG00000219645
20	38525512	38525757	38525669	12	14	1	7.191815198	0.00034761	MAFB	ENSG00000204103
20	38735556	38735774	38735715	10	12	7	1.558226626	0.152813	MAFB	ENSG00000204103
20	38803529	38803774	38803675	9	11	0	11.50690432	0.000313206	MAFB	ENSG00000204103
20	38965460	38965798	38965635	15	20	10	1.830643869	0.0454769		ENSG00000222612
20	39008039	39008584	39008179	9	20	18	1.05984645	0.425516		ENSG00000222612
20	39030762	39031069	39030915	9	12	9	1.246581301	0.295061		ENSG00000222612
20	39040877	39041191	39041034	12	16	6	2.328778255	0.0221113		ENSG00000222612
20	39052537	39053398	39052794	38	65	20	3.013713035	8.74E-07		ENSG00000222612
20	39053990	39054169	39054079	8	8	4	1.726035648	0.150596		ENSG00000222612
20	39065454	39065846	39065675	9	17	6	2.465765211	0.014729		ENSG00000222612

20	39079299	39080124	39079874	19	43	18	2.220630658	0.0011336	ENSG00000222612
20	39080825	39081004	39080934	8	8	0	8.630178238	0.00235436	ENSG00000222612
20	39090381	39090743	39090511	8	13	7	1.678090213	0.11195 TOP1	ENSG00000198900
20	39092576	39092906	39092728	10	13	6	1.917817386	0.0693353 TOP1	ENSG00000198900
20	39113595	39113785	39113690	8	9	2	3.19636231	0.0229249 TOP1	ENSG00000198900
20	39114317	39114645	39114481	11	16	7	2.037680973	0.0400399 TOP1	ENSG00000198900
20	39139580	39139923	39139751	8	12	3	3.116453252	0.0131971 TOP1	ENSG00000198900
20	39140455	39140805	39140630	11	15	13	1.095895649	0.398774 TOP1	ENSG00000198900
20	39149130	39149452	39149294	8	13	10	1.220429246	0.306001 PLCG1	ENSG00000124181
20	39154294	39154532	39154447	8	9	2	3.19636231	0.0229249 PLCG1	ENSG00000124181
20	39157485	39157730	39157581	9	12	9	1.246581301	0.295061 PLCG1	ENSG00000124181
20	39197098	39197723	39197263	13	26	10	2.353684974	0.00551687 PLCG1	ENSG00000124181
20	39198600	39198961	39198790	8	14	5	2.397271733	0.0258078 PLCG1	ENSG00000124181
20	39221789	39221978	39221883	8	9	0	9.589086931	0.00120187 PLCG1	ENSG00000124181
20	39294362	39294604	39294483	8	10	7	1.318499453	0.269217 ZHX3	ENSG00000174306
20	39294625	39294804	39294640	8	8	2	2.876726079	0.0381137 ZHX3	ENSG00000174306
20	39311535	39311752	39311603	11	12	5	2.077635502	0.0577144	ENSG00000223210
20	39312204	39312400	39312291	8	9	3	2.397271733	0.0539397	ENSG00000223210
20	39358655	39358853	39358768	8	9	3	2.397271733	0.0539397 ZHX3	ENSG00000174306
20	39380004	39380220	39380112	8	9	11	0.799090578	0.702688	ENSG00000218353
20	39402157	39402624	39402336	16	26	13	1.849323908	0.0263429 LPIN3	ENSG00000132793
20	39402755	39403016	39402858	11	13	6	1.917817386	0.0693353 LPIN3	ENSG00000132793
20	39453846	39454279	39454008	10	18	8	2.024362796	0.0334397	ENSG00000219721
20	39455480	39455806	39455637	19	23	7	2.876726079	0.00239423	ENSG00000219721
20	39461648	39461925	39461786	10	13	11	1.118726809	0.38479	ENSG00000219721
20	39538135	39538588	39538445	15	24	11	1.997726444	0.0196649	ENSG00000217365
20	39580286	39580547	39580388	9	11	3	2.876726079	0.0213797	ENSG00000196775
20	39586976	39587157	39587087	8	8	1	4.315089119	0.0127267	ENSG00000196775
20	39679059	39679610	39679238	8	17	7	2.157544559	0.0276499 CHD6	ENSG00000124177
20	39680287	39680559	39680439	9	11	6	1.643843474	0.137712 CHD6	ENSG00000124177
20	39712322	39712926	39712763	24	39	23	1.598181155	0.0315891 CHD6	ENSG00000124177
20	39713265	39713609	39713447	8	12	11	1.038817751	0.460341 CHD6	ENSG00000124177
20	39752462	39752724	39752593	8	10	5	1.757999271	0.121253	ENSG00000210486
20	39755370	39755815	39755543	23	33	15	2.037680973	0.00711556	ENSG00000199287

20	39800730	39801206	39800909	15	26	12	1.991579593	0.0165204	ENSG00000212224
20	39833480	39833814	39833647	10	15	0	15.34253909	2.13E-05	ENSG00000212224
20	39910376	39910827	39910555	8	17	4	3.452071295	0.00292757	ENSG00000212224
20	39927896	39928425	39928211	84	103	5	16.62108401	1.47E-24	ENSG00000220309
20	40018325	40018638	40018482	8	12	9	1.246581301	0.295061	ENSG00000220309
20	40138130	40138397	40138248	8	9	1	4.794543465	0.00708517	ENSG00000220309
20	40248575	40248798	40248679	9	9	5	1.598181155	0.170911	ENSG00000220309
20	40249577	40249816	40249696	8	11	13	0.821921737	0.693119	ENSG00000220309
20	40250360	40250559	40250459	8	9	6	1.369869562	0.253675	ENSG00000220309
20	40252192	40252836	40252359	12	25	23	1.038817751	0.445246	ENSG00000220309
20	40253247	40253927	40253751	15	35	36	0.932992242	0.616517	ENSG00000220309
20	40254172	40254563	40254420	8	16	9	1.630144778	0.102169	ENSG00000220309
20	40254576	40254895	40254718	9	14	13	1.027402171	0.469541	ENSG00000220309
20	40255063	40255533	40255354	9	18	15	1.138704073	0.348127	ENSG00000220309
20	40258046	40258306	40258152	10	10	4	2.109599125	0.0694668	ENSG00000220309
20	40260881	40261219	40261050	11	16	9	1.630144778	0.102169	ENSG00000220309
20	40261603	40261817	40261771	8	11	14	0.767126954	0.756447	ENSG00000220309
20	40263610	40263917	40263789	10	14	9	1.43836304	0.179537	ENSG00000220309
20	40266381	40266766	40266560	15	23	12	1.770292972	0.0429088	ENSG00000220309
20	40267836	40268293	40268064	8	16	16	0.958908693	0.548325	ENSG00000220309
20	40276675	40276892	40276783	9	9	3	2.397271733	0.0539397	ENSG00000220309
20	40286073	40286288	40286180	8	9	0	9.589086931	0.00120187	ENSG00000220309
20	40343253	40343526	40343389	19	22	2	7.351633313	1.51E-05	ENSG00000220309
20	40438076	40438363	40438210	9	14	7	1.797953799	0.0806593	ENSG00000217390
20	40440641	40440937	40440769	11	14	11	1.198635866	0.315918	ENSG00000217390
20	40441595	40441815	40441705	9	10	6	1.506856518	0.188853	ENSG00000217390
20	40444503	40444834	40444679	13	14	7	1.797953799	0.0806593	ENSG00000217390
20	40445521	40446029	40445655	8	17	7	2.157544559	0.0276499	ENSG00000217390
20	40528775	40528960	40528867	8	8	1	4.315089119	0.0127267	ENSG00000217390
20	40530845	40531192	40530989	21	26	2	8.630178238	1.37E-06	ENSG00000217390
20	40531428	40531824	40531596	31	43	2	14.06399416	3.68E-11	ENSG00000217390
20	40532082	40532516	40532207	11	18	7	2.277408146	0.0188653	ENSG00000217390
20	40545839	40546115	40545995	10	13	11	1.118726809	0.38479	ENSG00000217390
20	40592624	40592847	40592705	8	10	5	1.757999271	0.121253	ENSG00000217390

20	40592898	40593233	40593069	12	16	7	2.037680973	0.0400399		ENSG00000217390
20	40610984	40611194	40611089	8	10	6	1.506856518	0.188853		ENSG00000217390
20	40636363	40636614	40636488	9	10	10	0.958908693	0.538751		ENSG00000217390
20	40662993	40663334	40663163	9	12	5	2.077635502	0.0577144		ENSG00000217390
20	40685120	40685427	40685273	12	14	4	2.876726079	0.01219		ENSG00000217390
20	40703869	40704168	40704018	8	12	5	2.077635502	0.0577144		ENSG00000217390
20	41378652	41378995	41378828	8	12	1	6.232906505	0.00117736		ENSG00000223025
20	41591617	41591856	41591742	18	18	0	18.21926517	2.83E-06	L3MBTL	ENSG00000185513
20	41790073	41790295	41790201	13	15	4	3.068507818	0.0076507	GTSF1L	ENSG00000124196
20	41911921	41912203	41912093	11	14	4	2.876726079	0.01219		ENSG00000206801
20	41988449	41988638	41988530	8	8	4	1.726035648	0.150596	TOX2	ENSG00000124191
20	42014776	42015064	42014930	9	11	2	3.835634772	0.00800699	TOX2	ENSG00000124191
20	42152025	42152510	42152266	15	28	6	3.972621728	9.48E-05		ENSG00000222893
20	42152838	42153148	42152994	9	13	1	6.712360851	0.000640982		ENSG00000222893
20	42178624	42179045	42178898	9	17	6	2.465765211	0.014729	JPH2	ENSG00000149596
20	42252368	42252552	42252475	8	8	8	0.958908693	0.534974	JPH2	ENSG00000149596
20	42265698	42265890	42265721	8	9	1	4.794543465	0.00708517	C20orf111	ENSG00000132823
20	42266253	42266512	42266382	8	9	5	1.598181155	0.170911	C20orf111	ENSG00000132823
20	42270815	42271064	42270932	9	11	4	2.301380863	0.0459276	C20orf111	ENSG00000132823
20	42271375	42271628	42271501	8	10	2	3.515998541	0.0136204	C20orf111	ENSG00000132823
20	42272994	42273195	42273094	8	9	9	0.958908693	0.536911	C20orf111	ENSG00000132823
20	42364528	42364714	42364621	8	9	1	4.794543465	0.00708517	C20orf142	ENSG00000197296
20	42381907	42382149	42382028	8	8	5	1.43836304	0.235762	C20orf142	ENSG00000197296
20	42392889	42393133	42393011	17	18	1	9.109632584	2.91E-05	R3HDML	ENSG00000101074
20	42450610	42450834	42450731	9	10	5	1.757999271	0.121253	HNF4A	ENSG00000101076
20	42469552	42469754	42469651	9	10	2	3.515998541	0.0136204	HNF4A	ENSG00000101076
20	42665614	42665882	42665763	11	14	5	2.397271733	0.0258078	PKIG	ENSG00000168734
20	42703400	42703669	42703534	14	15	4	3.068507818	0.0076507	ADA	ENSG00000196839
20	42740258	42740742	42740523	53	80	3	19.41790103	2.58E-20		ENSG00000132832
20	42747349	42747528	42747438	8	8	4	1.726035648	0.150596		ENSG00000132832
20	42809236	42809479	42809309	8	10	3	2.636998906	0.034203	KCNK15	ENSG00000124249
20	42809592	42809861	42809699	9	10	5	1.757999271	0.121253	KCNK15	ENSG00000124249
20	42849976	42850156	42850146	8	8	4	1.726035648	0.150596	RIMS4	ENSG00000101098
20	42951130	42951312	42951239	9	9	1	4.794543465	0.00708517	YWHAB	ENSG00000166913

20	43061977	43062316	43062146	13	17	0	17.26035648	5.54E-06	STK4	ENSG00000101109
20	43401259	43401508	43401386	10	13	1	6.712360851	0.000640982	SDC4	ENSG00000124145
20	43405542	43405749	43405661	9	10	12	0.811384279	0.697544	SDC4	ENSG00000124145
20	43407795	43407979	43407887	10	10	3	2.636998906	0.034203	SDC4	ENSG00000124145
20	43425248	43425440	43425344	8	11	4	2.301380863	0.0459276	SYS1	ENSG00000198641
20	43436019	43436221	43436120	8	8	0	8.630178238	0.00235436	TP53TG5	ENSG00000124251
20	43787985	43788185	43788098	8	8	4	1.726035648	0.150596	SPINT4	ENSG00000149651
20	43840997	43841395	43841176	12	19	4	3.835634772	0.00108365		ENSG00000210634
20	44034230	44034474	44034362	12	15	5	2.557089848	0.0169197	ZNF335	ENSG00000198026
20	44055630	44055965	44055797	13	18	6	2.602752167	0.00970422	MMP9	ENSG00000100985
20	44057401	44057957	44057791	42	53	7	6.472633678	5.75E-10	MMP9	ENSG00000100985
20	44066858	44067050	44066954	8	8	4	1.726035648	0.150596	MMP9	ENSG00000100985
20	44190571	44190761	44190666	8	8	2	2.876726079	0.0381137	CD40	ENSG00000101017
20	44317599	44317850	44317753	12	14	1	7.191815198	0.00034761	CDH22	ENSG00000149654
20	44675807	44676047	44675927	10	11	2	3.835634772	0.00800699	SLC13A3	ENSG00000158296
20	44751389	44751618	44751555	8	9	3	2.397271733	0.0539397	TP53RK	ENSG00000172315
20	44809995	44810252	44810109	10	10	5	1.757999271	0.121253	SLC2A10	ENSG00000197496
20	45203656	45205201	45204881	12	68	66	0.987532833	0.528765		ENSG00000215450
20	45211786	45212507	45212334	20	39	28	1.32263268	0.122619		ENSG00000215450
20	45219648	45220274	45219826	13	33	38	0.835971681	0.778572		ENSG00000215450
20	45220480	45220705	45220592	11	12	15	0.779113313	0.750998		ENSG00000215450
20	45221349	45221573	45221479	8	11	14	0.767126954	0.756447		ENSG00000215450
20	45229893	45230279	45230130	9	15	16	0.902502299	0.616352		ENSG00000215450
20	45230752	45231389	45231227	17	38	43	0.849941796	0.771039		ENSG00000215450
20	45231536	45231726	45231700	8	9	14	0.639272462	0.869513		ENSG00000215450
20	45231731	45232063	45231908	11	15	8	1.704726565	0.0916153		ENSG00000215450
20	45232248	45232485	45232323	8	9	10	0.871735176	0.624623		ENSG00000215450
20	45232706	45233961	45233372	12	57	82	0.670080773	0.990994		ENSG00000215450
20	45234405	45235065	45234677	10	28	28	0.958908693	0.563199		ENSG00000215450
20	45235182	45235406	45235298	10	12	15	0.779113313	0.750998		ENSG00000215450
20	45235425	45238106	45235764	21	138	144	0.919229713	0.761087		ENSG00000215450
20	45238490	45238784	45238638	12	14	13	1.027402171	0.469541		ENSG00000215450
20	45239390	45239784	45239673	11	19	22	0.833833646	0.725376		ENSG00000215450
20	45240353	45240790	45240611	15	24	21	1.089668969	0.382599		ENSG00000215450

20	45240817	45241170	45240993	11	17	13	1.232882605	0.274309	ENSG00000215450
20	45241509	45241900	45241722	12	19	28	0.66131634	0.92595	ENSG00000215450
20	45242318	45242509	45242442	9	9	5	1.598181155	0.170911	ENSG00000215450
20	45242661	45244086	45243515	30	98	104	0.904113911	0.764311	ENSG00000215450
20	45245084	45245328	45245206	12	12	10	1.133255728	0.37674	ENSG00000215450
20	45245550	45245985	45245806	15	24	26	0.887878419	0.666463	ENSG00000215450
20	45246817	45247097	45246957	13	17	21	0.784561658	0.779771	ENSG00000215450
20	45247110	45247298	45247195	8	8	13	0.616441303	0.878084	ENSG00000215450
20	45247708	45248422	45248210	27	51	27	1.78083043	0.00565068	ENSG00000215450
20	45248660	45248900	45248795	9	11	8	1.278544924	0.28289	ENSG00000215450
20	45249428	45250162	45249983	15	39	32	1.162313567	0.259084	ENSG00000215450
20	45250219	45250431	45250325	9	11	19	0.575345216	0.94039	ENSG00000215450
20	45250442	45250946	45250767	12	23	40	0.561312406	0.989347	ENSG00000215450
20	45251083	45251643	45251375	9	22	30	0.711448385	0.894789	ENSG00000215450
20	45252082	45254291	45253311	27	125	94	1.27181574	0.0373931	ENSG00000215450
20	45255523	45255718	45255639	9	11	3	2.876726079	0.0213797	ENSG00000215450
20	45255806	45256018	45255956	9	11	8	1.278544924	0.28289	ENSG00000215450
20	45256104	45256295	45256251	8	10	5	1.757999271	0.121253	ENSG00000215450
20	45256350	45256640	45256495	13	19	11	1.598181155	0.0927758	ENSG00000215450
20	45257033	45259116	45258626	62	193	133	1.388270794	0.00159859	ENSG00000215450
20	45259126	45259708	45259351	8	21	33	0.620470331	0.962281	ENSG00000215450
20	45260396	45261013	45260585	18	42	40	1.005684727	0.488979	ENSG00000215450
20	45262682	45262935	45262817	12	15	16	0.902502299	0.616352	ENSG00000215450
20	45263115	45263808	45263538	16	36	31	1.108738176	0.332755	ENSG00000215450
20	45264016	45264335	45264175	13	16	6	2.328778255	0.0221113	ENSG00000215450
20	45264712	45265295	45265172	15	32	33	0.930705496	0.615627	ENSG00000215450
20	45265743	45266050	45265896	8	11	9	1.150690432	0.367789	ENSG00000215450
20	45266233	45267027	45266630	56	106	52	1.935910003	2.44E-05	ENSG00000215450
20	45267435	45268214	45268035	42	100	57	1.669823759	0.000740438	ENSG00000215450
20	45269027	45269628	45269238	14	34	41	0.799090578	0.837938	ENSG00000215450
20	45270535	45270809	45270690	12	13	7	1.678090213	0.11195	ENSG00000215450
20	45271066	45271344	45271205	11	14	24	0.575345216	0.958881	ENSG00000215450
20	45271420	45272597	45272241	15	56	72	0.748736925	0.950334	ENSG00000215450
20	45272713	45273384	45273042	17	33	42	0.758206874	0.887959	ENSG00000215450

20	45273386	45273969	45273575	13	30	38	0.762209474	0.872381	ENSG00000215450
20	45274018	45274271	45274109	10	11	11	0.958908693	0.540507	ENSG00000215450
20	45274525	45274833	45274679	13	18	14	1.214617678	0.282961	ENSG00000215450
20	45274853	45275375	45275196	11	24	22	1.042292058	0.441692	ENSG00000215450
20	45275549	45276700	45275728	13	59	54	1.046082211	0.403775	ENSG00000215450
20	45277717	45278260	45277856	9	20	20	0.958908693	0.553754	ENSG00000215450
20	45278955	45279675	45279134	20	45	47	0.918954164	0.659122	ENSG00000215450
20	45279867	45281063	45280342	18	64	45	1.354979675	0.0553765	ENSG00000215450
20	45281559	45282759	45282345	25	80	71	1.07877228	0.318879	ENSG00000215450
20	45283503	45283870	45283632	10	16	18	0.857970936	0.678066	ENSG00000215450
20	45284028	45284297	45284162	11	14	9	1.43836304	0.179537	ENSG00000215450
20	45284528	45285213	45285058	13	28	34	0.794524346	0.821881	ENSG00000215450
20	45285763	45286479	45286087	14	38	41	0.890415215	0.699622	ENSG00000215450
20	45286762	45287283	45286998	10	22	24	0.882195998	0.668517	ENSG00000215450
20	45288161	45288345	45288257	8	9	9	0.958908693	0.536911	ENSG00000215450
20	45288350	45289713	45288584	14	68	61	1.067172578	0.35416	ENSG00000215450
20	45289721	45289985	45289896	8	11	14	0.767126954	0.756447	ENSG00000215450
20	45290200	45290482	45290324	9	14	16	0.846095906	0.68298	ENSG00000215450
20	45290503	45290760	45290628	8	11	22	0.500300188	0.978352	ENSG00000215450
20	45290867	45291241	45291090	8	15	20	0.730597099	0.831283	ENSG00000215450
20	45291363	45292160	45291741	15	40	35	1.092090456	0.34838	ENSG00000215450
20	45292181	45292543	45292397	8	14	10	1.307602763	0.244096	ENSG00000215450
20	45292714	45293517	45293056	17	43	33	1.240940662	0.169645	ENSG00000215450
20	45293910	45294182	45294037	11	14	22	0.625375235	0.925815	ENSG00000215450
20	45294535	45294998	45294722	11	22	18	1.160784207	0.312473	ENSG00000215450
20	45295633	45296301	45295797	17	33	28	1.124237778	0.319632	ENSG00000215450
20	45296494	45296904	45296725	10	21	15	1.318499453	0.19542	ENSG00000215450
20	45297807	45300372	45299298	30	197	91	2.063738274	1.31E-09	ENSG00000215450
20	45300524	45301183	45300951	17	38	30	1.206369001	0.215257	ENSG00000215450
20	45301371	45302031	45301852	12	31	36	0.829326437	0.782137	ENSG00000215450
20	45303462	45304003	45303791	14	30	38	0.762209474	0.872381	ZMYND8 ENSG00000101040
20	45304253	45304623	45304449	14	20	14	1.34247217	0.186867	ZMYND8 ENSG00000101040
20	45304699	45305078	45304899	15	23	30	0.742380924	0.865876	ZMYND8 ENSG00000101040
20	45305095	45307049	45305451	16	99	73	1.295822558	0.0442102	ZMYND8 ENSG00000101040

20	45308152	45309422	45308558	15	61	56	1.043023491	0.408384	ZMYND8	ENSG00000101040
20	45309797	45310175	45309961	9	16	18	0.857970936	0.678066	ZMYND8	ENSG00000101040
20	45310500	45311600	45311040	14	54	53	0.976666261	0.548697	ZMYND8	ENSG00000101040
20	45311787	45312593	45312115	17	45	30	1.42289677	0.0615964	ZMYND8	ENSG00000101040
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20	45315636	45316198	45316025	10	22	33	0.648673528	0.948418	ZMYND8	ENSG00000101040
20	45316301	45316823	45316495	13	30	38	0.762209474	0.872381	ZMYND8	ENSG00000101040
20	45317354	45317669	45317509	13	16	21	0.740974899	0.826507	ZMYND8	ENSG00000101040
20	45318652	45319491	45319065	21	48	41	1.118726809	0.295257	ZMYND8	ENSG00000101040
20	45320191	45320514	45320352	9	14	11	1.198635866	0.315918	ZMYND8	ENSG00000101040
20	45320614	45321385	45320999	9	31	41	0.730597099	0.911573	ZMYND8	ENSG00000101040
20	45321757	45322404	45322078	11	27	32	0.813619497	0.790473	ZMYND8	ENSG00000101040
20	45322446	45322643	45322553	8	9	12	0.737622072	0.769563	ZMYND8	ENSG00000101040
20	45322767	45323081	45322924	12	17	16	1.015315087	0.480915	ZMYND8	ENSG00000101040
20	45324151	45324567	45324428	11	17	28	0.595184706	0.961563	ZMYND8	ENSG00000101040
20	45324623	45325180	45324753	9	21	27	0.753428259	0.842351	ZMYND8	ENSG00000101040
20	45325644	45326093	45325915	11	20	25	0.774503175	0.810437	ZMYND8	ENSG00000101040
20	45326647	45326996	45326821	8	14	9	1.43836304	0.179537	ZMYND8	ENSG00000101040
20	45327119	45327572	45327399	12	20	17	1.118726809	0.361026	ZMYND8	ENSG00000101040
20	45328032	45328337	45328167	15	19	21	0.871735176	0.672523	ZMYND8	ENSG00000101040
20	45328641	45329418	45328897	11	35	42	0.802807278	0.835974	ZMYND8	ENSG00000101040
20	45329522	45330467	45330017	12	38	24	1.495897561	0.0545351	ZMYND8	ENSG00000101040
20	45331429	45331708	45331540	13	18	17	1.012181398	0.48423	ZMYND8	ENSG00000101040
20	45332430	45332734	45332582	13	16	7	2.037680973	0.0400399	ZMYND8	ENSG00000101040
20	45333328	45333872	45333694	12	24	28	0.826645425	0.758727	ZMYND8	ENSG00000101040
20	45334398	45335429	45335145	61	109	74	1.406399416	0.0106414	ZMYND8	ENSG00000101040
20	45335436	45335732	45335588	8	11	15	0.71918152	0.81018	ZMYND8	ENSG00000101040
20	45335813	45337466	45336930	17	78	77	0.971202394	0.572374	ZMYND8	ENSG00000101040
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20	45337887	45338132	45338066	8	10	13	0.753428259	0.762589	ZMYND8	ENSG00000101040
20	45339079	45339935	45339540	19	53	40	1.262952913	0.127514	ZMYND8	ENSG00000101040

20	45339957	45340546	45340132	11	26	28	0.892777059	0.664792	ZMYND8	ENSG00000101040
20	45340580	45341266	45341098	16	37	39	0.910963258	0.659965	ZMYND8	ENSG00000101040
20	45341295	45342119	45341793	11	33	28	1.124237778	0.319632	ZMYND8	ENSG00000101040
20	45342191	45342646	45342503	9	20	24	0.805483302	0.769433	ZMYND8	ENSG00000101040
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20	45348797	45349225	45349046	12	22	34	0.630139998	0.960074	ZMYND8	ENSG00000101040
20	45349258	45349926	45349568	16	36	53	0.65703003	0.976962	ZMYND8	ENSG00000101040
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20	45351074	45352879	45352385	18	96	67	1.367855047	0.0226943	ZMYND8	ENSG00000101040
20	45353123	45354202	45353892	17	61	58	1.007666762	0.482686	ZMYND8	ENSG00000101040
20	45354765	45355057	45354915	9	11	6	1.643843474	0.137712	ZMYND8	ENSG00000101040
20	45355467	45355928	45355639	17	25	23	1.038817751	0.445246	ZMYND8	ENSG00000101040
20	45356575	45357288	45357145	13	28	33	0.817892709	0.78822	ZMYND8	ENSG00000101040
20	45357512	45357813	45357670	13	15	10	1.394776281	0.191426	ZMYND8	ENSG00000101040
20	45357854	45358901	45358262	14	51	54	0.906604583	0.694158	ZMYND8	ENSG00000101040
20	45359035	45359570	45359293	32	55	25	2.0653418	0.000729286	ZMYND8	ENSG00000101040
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20	45360653	45361212	45361033	13	27	28	0.925842876	0.614522	ZMYND8	ENSG00000101040
20	45361361	45361618	45361468	9	10	13	0.753428259	0.762589	ZMYND8	ENSG00000101040
20	45362057	45362369	45362221	12	17	15	1.07877228	0.410615	ZMYND8	ENSG00000101040
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20	45363012	45363211	45363111	9	9	4	1.917817386	0.103282	ZMYND8	ENSG00000101040
20	45363627	45363859	45363720	9	11	5	1.917817386	0.0843804	ZMYND8	ENSG00000101040
20	45364690	45365469	45365109	12	38	60	0.613072771	0.992386	ZMYND8	ENSG00000101040
20	45365772	45367361	45366556	22	82	85	0.92545839	0.692753	ZMYND8	ENSG00000101040
20	45367747	45368028	45367887	8	11	18	0.605626543	0.918575	ZMYND8	ENSG00000101040
20	45368583	45369390	45369143	15	40	38	1.008083498	0.484943	ZMYND8	ENSG00000101040
20	45370516	45370695	45370668	8	8	7	1.07877228	0.435076	ZMYND8	ENSG00000101040

20	45370745	45371414	45370914	18	36	37	0.933674254	0.616842	ZMYND8	ENSG00000101040
20	45371709	45372210	45372031	13	24	19	1.198635866	0.269826	ZMYND8	ENSG00000101040
20	45372234	45372556	45372407	8	13	22	0.583683552	0.948499	ZMYND8	ENSG00000101040
20	45372928	45373257	45373094	13	17	17	0.958908693	0.549739	ZMYND8	ENSG00000101040
20	45374056	45374816	45374523	20	48	39	1.174663149	0.222981	ZMYND8	ENSG00000101040
20	45376039	45376352	45376195	10	15	17	0.852363283	0.680376	ZMYND8	ENSG00000101040
20	45376624	45378300	45377330	23	101	104	0.931511302	0.695118	ZMYND8	ENSG00000101040
20	45379006	45380125	45379375	15	55	68	0.778244736	0.919486	ZMYND8	ENSG00000101040
20	45380133	45381485	45380568	16	73	98	0.716760033	0.985511	ZMYND8	ENSG00000101040
20	45381494	45382721	45382151	63	140	117	1.145814625	0.136675	ZMYND8	ENSG00000101040
20	45382906	45383980	45383694	27	74	69	1.027402171	0.434739	ZMYND8	ENSG00000101040
20	45384898	45385915	45385543	12	43	50	0.827293774	0.82266	ZMYND8	ENSG00000101040
20	45385962	45386169	45386062	9	11	13	0.821921737	0.693119	ZMYND8	ENSG00000101040
20	45386783	45387145	45386989	12	17	22	0.750450282	0.822065	ZMYND8	ENSG00000101040
20	45387386	45387988	45387821	13	25	41	0.593610143	0.983549	ZMYND8	ENSG00000101040
20	45388464	45389240	45389009	15	36	40	0.865356625	0.738948	ZMYND8	ENSG00000101040
20	45389710	45390160	45389988	9	17	20	0.821921737	0.731032	ZMYND8	ENSG00000101040
20	45390235	45390714	45390414	24	33	34	0.931511302	0.615909	ZMYND8	ENSG00000101040
20	45390898	45391499	45391340	16	37	41	0.867584056	0.737834	ZMYND8	ENSG00000101040
20	45391747	45392339	45392020	12	25	28	0.859711242	0.713133	ZMYND8	ENSG00000101040
20	45392499	45393938	45393172	24	90	62	1.385090334	0.0222315	ZMYND8	ENSG00000101040
20	45394676	45395132	45394971	15	25	20	1.187220287	0.276369	ZMYND8	ENSG00000101040
20	45396289	45396653	45396475	8	14	22	0.625375235	0.925815	ZMYND8	ENSG00000101040
20	45397566	45397765	45397595	10	11	8	1.278544924	0.28289	ZMYND8	ENSG00000101040
20	45397869	45398195	45398032	11	16	14	1.086763185	0.404922	ZMYND8	ENSG00000101040
20	45398529	45399106	45398885	14	29	28	0.99197451	0.511702	ZMYND8	ENSG00000101040
20	45399764	45400965	45400099	11	52	54	0.924039286	0.65936	ZMYND8	ENSG00000101040
20	45401937	45402160	45402027	8	10	9	1.054799562	0.4492	ZMYND8	ENSG00000101040
20	45402248	45402632	45402427	10	18	16	1.07172148	0.415914	ZMYND8	ENSG00000101040
20	45402976	45403339	45403213	15	20	31	0.62928383	0.953537	ZMYND8	ENSG00000101040
20	45406259	45406901	45406590	18	41	35	1.118726809	0.308965	ZMYND8	ENSG00000101040
20	45406910	45407121	45406978	8	10	9	1.054799562	0.4492	ZMYND8	ENSG00000101040
20	45407255	45407657	45407432	14	20	17	1.118726809	0.361026	ZMYND8	ENSG00000101040
20	45408236	45408581	45408408	12	17	19	0.863017824	0.676008	ZMYND8	ENSG00000101040

20	45409045	45409427	45409248	15	23	15	1.43836304	0.12479	ZMYND8	ENSG00000101040
20	45409468	45409947	45409768	12	24	40	0.584700423	0.984658	ZMYND8	ENSG00000101040
20	45409992	45411414	45410210	15	75	83	0.867584056	0.815716	ZMYND8	ENSG00000101040
20	45411467	45412587	45412143	15	54	63	0.824062158	0.854657	ZMYND8	ENSG00000101040
20	45412596	45413651	45413154	17	62	60	0.990348322	0.5211	ZMYND8	ENSG00000101040
20	45413664	45415965	45414054	22	156	141	1.060201865	0.306247	ZMYND8	ENSG00000101040
20	45415993	45419257	45418243	16	178	194	0.880229005	0.891361	ZMYND8	ENSG00000101040
20	45419322	45420291	45419839	41	107	102	1.005457659	0.483822	ZMYND8	ENSG00000101040
20	45420396	45423979	45423106	49	393	237	1.58743708	5.40E-09	ZMYND8	ENSG00000101040
20	45424574	45425362	45425008	12	39	46	0.816092505	0.828827	ZMYND8	ENSG00000101040
20	45425637	45425834	45425735	8	8	8	0.958908693	0.534974	ZMYND8	ENSG00000101040
20	45429006	45429231	45429122	10	12	20	0.593610143	0.935335	ZMYND8	ENSG00000101040
20	45429474	45429720	45429638	8	11	4	2.301380863	0.0459276	ZMYND8	ENSG00000101040
20	45430399	45430766	45430587	13	20	17	1.118726809	0.361026	ZMYND8	ENSG00000101040
20	45430776	45431553	45431340	13	38	48	0.763213041	0.897658	ZMYND8	ENSG00000101040
20	45431561	45431930	45431740	10	17	32	0.523041105	0.988758	ZMYND8	ENSG00000101040
20	45433029	45433846	45433464	16	39	33	1.128127874	0.300803	ZMYND8	ENSG00000101040
20	45434049	45434445	45434208	16	22	15	1.378431246	0.157106	ZMYND8	ENSG00000101040
20	45435031	45435851	45435381	21	54	61	0.850644808	0.809499	ZMYND8	ENSG00000101040
20	45437237	45437611	45437462	13	17	16	1.015315087	0.480915	ZMYND8	ENSG00000101040
20	45438446	45440649	45439462	579	892	63	13.37977286	1.92E-181	ZMYND8	ENSG00000101040
20	45440892	45441446	45441257	19	35	34	0.986306084	0.522633	ZMYND8	ENSG00000101040
20	45442689	45443092	45442853	11	18	21	0.828148417	0.728078	ZMYND8	ENSG00000101040
20	45444603	45445467	45444992	20	49	47	0.998863222	0.501691	ZMYND8	ENSG00000101040
20	45445775	45446772	45446301	82	154	83	1.76941485	8.00E-06	ZMYND8	ENSG00000101040
20	45446969	45447485	45447275	15	34	28	1.157303595	0.278114	ZMYND8	ENSG00000101040
20	45449746	45450000	45449878	8	11	16	0.676876725	0.854566	ZMYND8	ENSG00000101040
20	45450201	45450724	45450380	11	22	29	0.735163331	0.869157	ZMYND8	ENSG00000101040
20	45451848	45452639	45452370	73	127	38	3.147187505	4.36E-12	ZMYND8	ENSG00000101040
20	45452951	45453176	45453063	10	11	5	1.917817386	0.0843804	ZMYND8	ENSG00000101040
20	45453512	45455442	45454405	38	154	86	1.708400545	2.20E-05	ZMYND8	ENSG00000101040
20	45456423	45456730	45456590	14	17	12	1.327719729	0.212795	ZMYND8	ENSG00000101040
20	45457138	45457349	45457199	9	10	4	2.109599125	0.0694668	ZMYND8	ENSG00000101040
20	45459079	45459689	45459496	14	31	23	1.278544924	0.178011	ZMYND8	ENSG00000101040

20	45459971	45460475	45460179	12	24	27	0.856168476	0.714792	ZMYND8	ENSG00000101040
20	45461218	45462190	45462011	29	67	30	2.103412617	0.000174743	ZMYND8	ENSG00000101040
20	45462681	45463301	45462860	13	33	39	0.815072389	0.811006	ZMYND8	ENSG00000101040
20	45464882	45465159	45465020	17	19	14	1.278544924	0.231514	ZMYND8	ENSG00000101040
20	45465819	45466258	45466068	15	24	26	0.887878419	0.666463	ZMYND8	ENSG00000101040
20	45466515	45467495	45467019	10	40	40	0.958908693	0.575108	ZMYND8	ENSG00000101040
20	45467960	45468396	45468069	9	18	19	0.910963258	0.614871	ZMYND8	ENSG00000101040
20	45469089	45469306	45469148	8	9	15	0.599317933	0.904407	ZMYND8	ENSG00000101040
20	45469429	45469774	45469601	13	19	19	0.958908693	0.552451	ZMYND8	ENSG00000101040
20	45470524	45470934	45470667	8	14	15	0.8989769	0.617119	ZMYND8	ENSG00000101040
20	45471627	45472001	45471822	10	17	28	0.595184706	0.961563	ZMYND8	ENSG00000101040
20	45472434	45472914	45472627	11	22	26	0.816848146	0.76371	ZMYND8	ENSG00000101040
20	45473382	45473749	45473488	12	17	22	0.750450282	0.822065	ZMYND8	ENSG00000101040
20	45474108	45474644	45474280	11	23	24	0.920552345	0.614165	ZMYND8	ENSG00000101040
20	45474920	45475669	45475099	31	74	41	1.712336952	0.00213013	ZMYND8	ENSG00000101040
20	45476484	45476966	45476652	10	17	16	1.015315087	0.480915	ZMYND8	ENSG00000101040
20	45477262	45477839	45477631	8	22	37	0.580392104	0.982416	ZMYND8	ENSG00000101040
20	45478173	45478517	45478345	10	13	7	1.678090213	0.11195	ZMYND8	ENSG00000101040
20	45478730	45479869	45479529	11	45	54	0.801996361	0.866512	ZMYND8	ENSG00000101040
20	45480038	45480855	45480261	24	64	51	1.198635866	0.163234	RPL35AP	ENSG00000217854
20	45482264	45482695	45482410	9	16	14	1.086763185	0.404922	RPL35AP	ENSG00000217854
20	45484606	45485192	45484832	12	27	41	0.639272462	0.968806	RPL35AP	ENSG00000217854
20	45485206	45486143	45485819	16	50	55	0.873291845	0.758606	RPL35AP	ENSG00000217854
20	45488657	45488930	45488813	9	10	7	1.318499453	0.269217	RPL35AP	ENSG00000217854
20	45489051	45489353	45489202	11	15	17	0.852363283	0.680376	RPL35AP	ENSG00000217854
20	45489747	45490491	45490005	16	44	36	1.166240302	0.242128	RPL35AP	ENSG00000217854
20	45490808	45491408	45491065	18	38	22	1.62597561	0.0290977	RPL35AP	ENSG00000217854
20	45493023	45493642	45493201	16	40	18	2.069224022	0.00311868	RPL35AP	ENSG00000217854
20	45494389	45494921	45494747	11	21	23	0.878999635	0.669714	RPL35AP	ENSG00000217854
20	45495114	45495300	45495207	9	9	13	0.684934781	0.824961	RPL35AP	ENSG00000217854
20	45495781	45496055	45495918	16	18	25	0.700740968	0.883987	RPL35AP	ENSG00000217854
20	45496149	45496664	45496489	22	34	40	0.818580592	0.809111	RPL35AP	ENSG00000217854
20	45496743	45497069	45496906	11	17	16	1.015315087	0.480915	RPL35AP	ENSG00000217854
20	45497092	45497380	45497215	10	14	24	0.575345216	0.958881	RPL35AP	ENSG00000217854

20	45497510	45498373	45497747	15	45	36	1.192156754	0.210834	RPL35AP	ENSG00000217854
20	45498802	45499140	45498971	15	19	10	1.743470351	0.0622604	RPL35AP	ENSG00000217854
20	45500261	45500644	45500409	11	19	13	1.369869562	0.177863	RPL35AP	ENSG00000217854
20	45500730	45501717	45501044	33	93	70	1.269541087	0.0630735	RPL35AP	ENSG00000217854
20	45502850	45503117	45503001	10	12	1	6.232906505	0.00117736	RPL35AP	ENSG00000217854
20	45503476	45503828	45503652	14	20	29	0.671236085	0.922603	RPL35AP	ENSG00000217854
20	45503838	45504104	45503971	11	13	14	0.894981447	0.618069	RPL35AP	ENSG00000217854
20	45504482	45504802	45504652	8	12	15	0.779113313	0.750998	RPL35AP	ENSG00000217854
20	45507447	45507643	45507545	8	9	13	0.684934781	0.824961	RPL35AP	ENSG00000217854
20	45510449	45511147	45510878	11	29	33	0.846095906	0.748756	RPL35AP	ENSG00000217854
20	45512818	45514039	45513860	18	57	38	1.426069338	0.0410583	RPL35AP	ENSG00000217854
20	45514801	45515805	45515327	14	50	47	1.018840486	0.462307	RPL35AP	ENSG00000217854
20	45516156	45516486	45516333	9	13	17	0.745817872	0.798145	RPL35AP	ENSG00000217854
20	45516755	45517959	45517647	40	113	69	1.5616513	0.00142075	RPL35AP	ENSG00000217854
20	45518311	45518818	45518564	11	24	33	0.705079921	0.910297	RPL35AP	ENSG00000217854
20	45519344	45519897	45519569	17	37	40	0.888744642	0.700285	RPL35AP	ENSG00000217854
20	45520317	45520606	45520461	18	21	14	1.406399416	0.148881	RPL35AP	ENSG00000217854
20	45521536	45521846	45521688	12	16	28	0.562118889	0.973627	RPL35AP	ENSG00000217854
20	45522857	45523214	45523036	10	14	11	1.198635866	0.315918	RPL35AP	ENSG00000217854
20	45523223	45523773	45523543	12	27	31	0.839045106	0.752376	RPL35AP	ENSG00000217854
20	45523872	45524169	45524028	10	13	13	0.958908693	0.543805	RPL35AP	ENSG00000217854
20	45524800	45525191	45525054	8	15	13	1.095895649	0.398774	RPL35AP	ENSG00000217854
20	45525707	45526005	45525866	10	15	16	0.902502299	0.616352	RPL35AP	ENSG00000217854
20	45526159	45527549	45526769	149	321	131	2.339156054	3.19E-18	RPL35AP	ENSG00000217854
20	45527716	45529358	45528075	23	104	67	1.480667835	0.00528604	RPL35AP	ENSG00000217854
20	45530253	45531377	45530815	62	153	46	3.141956143	3.84E-14	RPL35AP	ENSG00000217854
20	45531690	45532281	45531960	16	29	30	0.927976155	0.614895	RPL35AP	ENSG00000217854
20	45532877	45533367	45533056	16	28	18	1.463597479	0.0938263	RPL35AP	ENSG00000217854
20	45533604	45533807	45533705	9	10	15	0.659249726	0.861705	RPL35AP	ENSG00000217854
20	45534304	45534502	45534403	8	9	9	0.958908693	0.536911	RPL35AP	ENSG00000217854
20	45534779	45535072	45534929	9	13	18	0.7065643	0.841991	RPL35AP	ENSG00000217854
20	45535083	45535358	45535220	13	18	22	0.792141964	0.776057	RPL35AP	ENSG00000217854
20	45535686	45536107	45535964	12	20	12	1.54900635	0.101141	RPL35AP	ENSG00000217854
20	45538685	45538918	45538808	8	10	22	0.458608505	0.987045	RPL35AP	ENSG00000217854

20	45540514	45540800	45540632	10	14	9	1.43836304	0.179537	RPL35AP	ENSG00000217854
20	45541259	45541463	45541333	8	10	14	0.703199708	0.817173	RPL35AP	ENSG00000217854
20	45541478	45542157	45541991	22	50	42	1.13731031	0.265456	RPL35AP	ENSG00000217854
20	45542389	45542926	45542772	11	25	16	1.466566236	0.10473	RPL35AP	ENSG00000217854
20	45543786	45544512	45544211	38	68	40	1.613773166	0.00663011		ENSG00000202186
20	45545104	45545609	45545452	11	22	22	0.958908693	0.556268		ENSG00000202186
20	45546401	45547234	45546725	17	50	38	1.253957522	0.141278		ENSG00000202186
20	45549055	45550065	45549932	15	52	61	0.81971227	0.857046		ENSG00000202186
20	45550301	45550672	45550432	10	15	6	2.191791298	0.0328001		ENSG00000202186
20	45552940	45553453	45553188	9	20	17	1.118726809	0.361026		ENSG00000201742
20	45554341	45554603	45554472	8	11	19	0.575345216	0.94039		ENSG00000201742
20	45555005	45556395	45555484	62	253	108	2.234521175	1.12E-13		ENSG00000201742
20	45556645	45556825	45556677	8	9	13	0.684934781	0.824961		ENSG00000201742
20	45557408	45557824	45557649	9	16	22	0.708758599	0.862621		ENSG00000201742
20	45558152	45558375	45558255	8	9	14	0.639272462	0.869513		ENSG00000201742
20	45558429	45558834	45558704	9	16	14	1.086763185	0.404922		ENSG00000201742
20	45559008	45559328	45559168	14	19	7	2.397271733	0.0127287		ENSG00000201742
20	45559693	45560050	45559871	10	16	19	0.815072389	0.734271	NCOA3	ENSG00000124151
20	45560553	45560805	45560678	9	11	16	0.676876725	0.854566	NCOA3	ENSG00000124151
20	45560845	45561050	45560929	10	12	10	1.133255728	0.37674	NCOA3	ENSG00000124151
20	45561328	45561909	45561741	8	20	13	1.43836304	0.140307	NCOA3	ENSG00000124151
20	45562491	45566737	45564047	35	405	292	1.328726721	9.46E-05	NCOA3	ENSG00000124151
20	45567444	45567924	45567614	15	25	29	0.831054201	0.756473	NCOA3	ENSG00000124151
20	45568174	45568979	45568763	70	126	84	1.4327224	0.00471652	NCOA3	ENSG00000124151
20	45569021	45569432	45569222	16	25	42	0.579805256	0.987542	NCOA3	ENSG00000124151
20	45569440	45569673	45569569	12	15	23	0.639272462	0.921343	NCOA3	ENSG00000124151
20	45570363	45570712	45570540	17	21	16	1.240940662	0.248103	NCOA3	ENSG00000124151
20	45570849	45571353	45571107	11	23	9	2.301380863	0.00938618	NCOA3	ENSG00000124151
20	45571659	45571929	45571800	11	14	15	0.8989769	0.617119	NCOA3	ENSG00000124151
20	45571931	45572214	45572096	13	16	14	1.086763185	0.404922	NCOA3	ENSG00000124151
20	45572693	45573466	45573047	12	35	43	0.784561658	0.861438	NCOA3	ENSG00000124151
20	45573878	45574062	45574021	8	9	5	1.598181155	0.170911	NCOA3	ENSG00000124151
20	45574202	45574508	45574370	8	12	7	1.558226626	0.152813	NCOA3	ENSG00000124151
20	45574665	45575098	45574919	10	18	14	1.214617678	0.282961	NCOA3	ENSG00000124151

20	45575315	45575723	45575407	10	17	12	1.327719729	0.212795	NCOA3	ENSG00000124151
20	45576413	45576840	45576686	9	16	12	1.253957522	0.265012	NCOA3	ENSG00000124151
20	45577035	45577333	45577159	9	12	5	2.077635502	0.0577144	NCOA3	ENSG00000124151
20	45583550	45583921	45583711	10	15	6	2.191791298	0.0328001	NCOA3	ENSG00000124151
20	45586063	45586305	45586184	8	10	15	0.659249726	0.861705	NCOA3	ENSG00000124151
20	45589737	45590042	45589900	11	14	21	0.653801382	0.90216	NCOA3	ENSG00000124151
20	45592016	45592296	45592156	11	13	12	1.0326709	0.46514	NCOA3	ENSG00000124151
20	45593542	45594200	45593756	13	31	29	1.022835939	0.463651	NCOA3	ENSG00000124151
20	45594307	45594642	45594474	14	18	15	1.138704073	0.348127	NCOA3	ENSG00000124151
20	45595614	45595908	45595761	10	16	13	1.164389127	0.333296	NCOA3	ENSG00000124151
20	45595941	45596309	45596120	10	17	9	1.726035648	0.0753664	NCOA3	ENSG00000124151
20	45596447	45596744	45596597	8	12	16	0.733283118	0.803868	NCOA3	ENSG00000124151
20	45597027	45597678	45597268	19	41	22	1.751050657	0.01312	NCOA3	ENSG00000124151
20	45599227	45599711	45599465	11	20	17	1.118726809	0.361026		ENSG00000221294
20	45600571	45600846	45600714	9	11	12	0.885146486	0.620672		ENSG00000221294
20	45600993	45601431	45601254	14	25	31	0.779113313	0.829763		ENSG00000221294
20	45601444	45602143	45601623	13	35	33	1.015315087	0.473842		ENSG00000221294
20	45602170	45602462	45602316	8	13	18	0.7065643	0.841991		ENSG00000221294
20	45602808	45603079	45602969	10	12	13	0.890415215	0.619237		ENSG00000221294
20	45603157	45603459	45603308	18	21	15	1.318499453	0.19542		ENSG00000221294
20	45603675	45603930	45603785	8	11	18	0.605626543	0.918575		ENSG00000221294
20	45604321	45604549	45604443	9	11	13	0.821921737	0.693119		ENSG00000221294
20	45605244	45605758	45605579	11	23	26	0.852363283	0.716584		ENSG00000221294
20	45605798	45606000	45605899	9	11	7	1.43836304	0.204844		ENSG00000221294
20	45606148	45606892	45606532	35	64	28	2.149278105	0.000172632		ENSG00000221294
20	45607042	45607380	45607211	19	24	13	1.712336952	0.0480623		ENSG00000221294
20	45607619	45607905	45607762	10	15	17	0.852363283	0.680376		ENSG00000221294
20	45608143	45608788	45608566	18	38	21	1.699883592	0.0204456		ENSG00000221294
20	45608950	45609528	45609349	12	26	24	1.035621389	0.448641		ENSG00000221294
20	45610870	45611066	45610898	8	8	10	0.784561658	0.708731		ENSG00000221294
20	45611493	45611842	45611667	11	17	18	0.908439814	0.615249		ENSG00000221294
20	45612774	45613088	45612931	8	11	15	0.71918152	0.81018		ENSG00000221294
20	45613321	45613729	45613588	13	20	26	0.745817872	0.845948		ENSG00000221294
20	45614017	45614397	45614218	15	23	17	1.278544924	0.211315		ENSG00000221294

20	45615278	45615561	45615401	10	11	11	0.958908693	0.540507	ENSG00000221294
20	45617350	45617723	45617583	15	20	19	1.006854128	0.490315	ENSG00000221294
20	45618354	45618549	45618483	8	9	11	0.799090578	0.702688	ENSG00000221294
20	45618927	45619392	45619213	10	19	16	1.128127874	0.354788	ENSG00000221294
20	45619428	45619769	45619598	11	16	16	0.958908693	0.548325	ENSG00000221294
20	45620592	45620868	45620719	12	13	16	0.789689512	0.746135	ENSG00000221294
20	45621080	45621611	45621340	10	20	28	0.694382157	0.901601	ENSG00000221294
20	45622569	45622944	45622742	8	13	11	1.118726809	0.38479	ENSG00000221294
20	45623463	45623914	45623642	8	16	15	1.018840486	0.477384	ENSG00000221294
20	45623953	45624433	45624131	11	18	16	1.07172148	0.415914	ENSG00000221294
20	45625319	45625649	45625488	12	16	21	0.740974899	0.826507	ENSG00000221294
20	45626513	45626746	45626629	9	10	8	1.171999514	0.35773	ENSG00000221294
20	45626901	45627180	45627040	8	10	17	0.585999757	0.924668	ENSG00000221294
20	45627498	45627733	45627655	8	9	7	1.198635866	0.346278	ENSG00000221294
20	45628959	45629147	45629013	8	9	7	1.198635866	0.346278	ENSG00000221294
20	45630028	45630741	45630380	21	50	38	1.253957522	0.141278	ENSG00000221294
20	45630895	45631118	45631023	10	11	9	1.150690432	0.367789	ENSG00000221294
20	45633676	45633962	45633846	9	12	3	3.116453252	0.0131971	ENSG00000221294
20	45634388	45634615	45634549	11	13	15	0.839045106	0.685928	ENSG00000221294
20	45635706	45635897	45635801	8	9	20	0.456623187	0.983844	ENSG00000221294
20	45635942	45636461	45636116	14	28	36	0.751577084	0.877351	ENSG00000221294
20	45636740	45637497	45637318	16	41	23	1.678090213	0.0189605	ENSG00000221294
20	45638371	45640024	45638928	49	150	95	1.508283465	0.000705285	ENSG00000221294
20	45640726	45641434	45640982	16	37	35	1.012181398	0.478474	ENSG00000221294
20	45641836	45642256	45642015	11	19	35	0.532727052	0.989963	ENSG00000221294
20	45642665	45642887	45642776	10	12	5	2.077635502	0.0577144	ENSG00000221294
20	45643324	45643836	45643657	12	26	22	1.125675422	0.336059	ENSG00000221294
20	45643870	45644296	45644159	12	21	23	0.878999635	0.669714	ENSG00000221294
20	45645097	45645697	45645429	12	28	25	1.069552004	0.40018	ENSG00000221294
20	45647603	45647838	45647720	10	13	20	0.639272462	0.907338	ENSG00000221294
20	45648645	45649882	45648803	19	66	36	1.736402228	0.00286112	ENSG00000221294
20	45651069	45651575	45651424	8	17	15	1.07877228	0.410615	ENSG00000221294
20	45651912	45652313	45652142	12	16	18	0.857970936	0.678066	ENSG00000221294
20	45653892	45654277	45654098	14	20	16	1.184534268	0.298622	ENSG00000221294

20	45654605	45654957	45654781	11	17	19	0.863017824	0.676008	ENSG00000221294
20	45657591	45658077	45657770	11	22	18	1.160784207	0.312473	ENSG00000221294
20	45658183	45658639	45658528	9	18	10	1.656296833	0.0841786	ENSG00000221294
20	45659259	45659591	45659425	13	17	19	0.863017824	0.676008	ENSG00000221294
20	45661170	45661743	45661542	14	32	26	1.171999514	0.267953	ENSG00000221294
20	45661806	45662173	45661985	12	19	11	1.598181155	0.0927758	ENSG00000221294
20	45663201	45663631	45663349	9	17	26	0.639272462	0.93299	ENSG00000218714
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20	45664875	45665411	45665232	8	18	21	0.828148417	0.728078	ENSG00000218714
20	45666107	45666667	45666379	16	30	27	1.06164891	0.407875	ENSG00000218714
20	45666729	45666927	45666828	8	11	9	1.150690432	0.367789	ENSG00000218714
20	45667529	45668047	45667758	14	25	20	1.187220287	0.276369	ENSG00000218714
20	45669016	45669744	45669140	10	27	29	0.894981447	0.664076	ENSG00000218714
20	45670707	45671200	45671021	14	29	23	1.198635866	0.251284	ENSG00000218714
20	45671253	45671619	45671432	12	19	15	1.198635866	0.291044	ENSG00000218714
20	45671934	45672257	45672102	14	16	13	1.164389127	0.333296	ENSG00000218714
20	45672554	45673434	45672849	18	55	36	1.451321265	0.0371129	ENSG00000218714
20	45673451	45673710	45673572	9	12	11	1.038817751	0.460341	ENSG00000218714
20	45674125	45674448	45674296	17	19	13	1.369869562	0.177863	ENSG00000218714
20	45674941	45675274	45675107	12	17	10	1.569123316	0.112309	ENSG00000218714
20	45675395	45675608	45675490	10	11	16	0.676876725	0.854566	ENSG00000218714
20	45676096	45677282	45676255	12	45	47	0.918954164	0.659122	ENSG00000218714
20	45677542	45677789	45677624	9	12	11	1.038817751	0.460341	ENSG00000218714
20	45678553	45679104	45678925	18	30	21	1.351189522	0.136197	ENSG00000218714
20	45679484	45679737	45679581	10	12	8	1.385090334	0.219216	ENSG00000218714
20	45680477	45681054	45680825	9	21	13	1.506856518	0.109266	ENSG00000218714
20	45682243	45683898	45683474	25	92	59	1.486308474	0.00759317	ENSG00000218714
20	45684338	45684727	45684459	14	20	14	1.34247217	0.186867	ENSG00000218714
20	45685568	45685946	45685767	9	17	3	4.315089119	0.00102271	ENSG00000218714
20	45685963	45686340	45686182	16	26	13	1.849323908	0.0263429	ENSG00000218714
20	45687501	45688017	45687661	9	20	28	0.694382157	0.901601	ENSG00000218714
20	45688130	45689096	45688613	8	35	49	0.690414259	0.956741	ENSG00000218714
20	45689511	45690164	45689806	13	33	34	0.931511302	0.615909	ENSG00000218714
20	45690836	45691193	45690899	8	12	16	0.733283118	0.803868	ENSG00000218714

20	45691997	45692364	45692185	17	24	23	0.998863222	0.500802	ENSG00000218714
20	45692387	45692612	45692483	9	11	17	0.639272462	0.890352	ENSG00000218714
20	45693029	45693721	45693446	16	35	32	1.046082211	0.424727	ENSG00000218714
20	45693743	45694540	45694151	8	28	33	0.817892709	0.78822	ENSG00000218714
20	45695166	45695395	45695284	11	12	9	1.246581301	0.295061	ENSG00000218714
20	45695935	45696114	45696038	8	8	10	0.784561658	0.708731	ENSG00000218714
20	45696866	45697076	45696980	9	11	5	1.917817386	0.0843804	ENSG00000218714
20	45697426	45697864	45697594	11	20	21	0.915321934	0.614384	ENSG00000218714
20	45697987	45698276	45698131	12	15	23	0.639272462	0.921343	ENSG00000218714
20	45698294	45698875	45698660	10	26	26	0.958908693	0.560979	ENSG00000218714
20	45699343	45699590	45699460	10	12	12	0.958908693	0.542188	ENSG00000218714
20	45699887	45700123	45700005	10	13	9	1.34247217	0.232231	ENSG00000218714
20	45701084	45701368	45701237	10	13	17	0.745817872	0.798145	ENSG00000218714
20	45701526	45702076	45701796	9	24	33	0.705079921	0.910297	ENSG00000218714
20	45702220	45702484	45702307	9	12	16	0.733283118	0.803868	ENSG00000218714
20	45703304	45703523	45703425	8	11	10	1.046082211	0.455063	ENSG00000218714
20	45703986	45705148	45704165	14	62	50	1.184534268	0.182512	ENSG00000218714
20	45705311	45705992	45705490	8	21	30	0.680515847	0.919368	ENSG00000218714
20	45706664	45706983	45706823	9	12	12	0.958908693	0.542188	ENSG00000218714
20	45707141	45708023	45707519	11	38	39	0.934935976	0.617524	ENSG00000218714
20	45708404	45708848	45708669	13	22	24	0.882195998	0.668517	ENSG00000218714
20	45709388	45709716	45709552	8	13	16	0.789689512	0.746135	ENSG00000218714
20	45710990	45712362	45711954	12	61	51	1.143314211	0.236592	SULF2 ENSG00000196562
20	45713311	45713804	45713490	11	25	24	0.997265041	0.503149	SULF2 ENSG00000196562
20	45714097	45714398	45714247	10	13	15	0.839045106	0.685928	SULF2 ENSG00000196562
20	45714406	45715318	45714878	11	43	31	1.318499453	0.114064	SULF2 ENSG00000196562
20	45715452	45716391	45716052	14	46	44	1.001526857	0.496486	SULF2 ENSG00000196562
20	45716987	45717448	45717231	12	22	31	0.689215623	0.916241	SULF2 ENSG00000196562
20	45719122	45719357	45719255	9	11	15	0.71918152	0.81018	SULF2 ENSG00000196562
20	45719496	45720991	45720270	14	69	67	0.98711189	0.52998	SULF2 ENSG00000196562
20	45721063	45721329	45721183	8	11	12	0.885146486	0.620672	SULF2 ENSG00000196562
20	45721338	45721945	45721766	15	31	29	1.022835939	0.463651	SULF2 ENSG00000196562
20	45722299	45722680	45722514	15	24	23	0.998863222	0.500802	SULF2 ENSG00000196562
20	45723097	45724277	45723964	13	62	47	1.25856766	0.112912	SULF2 ENSG00000196562

20	45724283	45725046	45724880	12	33	43	0.740974899	0.907319	SULF2	ENSG00000196562
20	45725087	45725483	45725260	9	16	12	1.253957522	0.265012	SULF2	ENSG00000196562
20	45725647	45728079	45727582	194	407	128	3.032827494	7.67E-33	SULF2	ENSG00000196562
20	45728254	45728451	45728352	8	9	13	0.684934781	0.824961	SULF2	ENSG00000196562
20	45728539	45728944	45728697	12	20	18	1.05984645	0.425516	SULF2	ENSG00000196562
20	45728963	45730090	45729273	12	53	67	0.761486315	0.933748	SULF2	ENSG00000196562
20	45730163	45730383	45730292	8	9	17	0.532727052	0.951077	SULF2	ENSG00000196562
20	45730478	45730766	45730618	8	12	17	0.692545167	0.848017	SULF2	ENSG00000196562
20	45731167	45731562	45731346	8	17	20	0.821921737	0.731032	SULF2	ENSG00000196562
20	45731729	45732208	45732029	10	22	28	0.760513791	0.838947	SULF2	ENSG00000196562
20	45733196	45733416	45733294	9	11	17	0.639272462	0.890352	SULF2	ENSG00000196562
20	45733420	45733619	45733526	8	11	10	1.046082211	0.455063	SULF2	ENSG00000196562
20	45734446	45734995	45734779	14	27	34	0.767126954	0.854158	SULF2	ENSG00000196562
20	45735096	45735614	45735275	8	20	25	0.774503175	0.810437	SULF2	ENSG00000196562
20	45735617	45736429	45736245	11	32	26	1.171999514	0.267953	SULF2	ENSG00000196562
20	45736440	45737502	45736630	14	45	39	1.102744997	0.324004	SULF2	ENSG00000196562
20	45737512	45738072	45737614	8	19	29	0.639272462	0.942743	SULF2	ENSG00000196562
20	45738362	45739060	45738717	12	35	30	1.113571385	0.328528	SULF2	ENSG00000196562
20	45739202	45739557	45739379	10	16	26	0.603757325	0.952213	SULF2	ENSG00000196562
20	45739674	45741108	45740196	41	118	99	1.141101345	0.16421	SULF2	ENSG00000196562
20	45741255	45741764	45741507	15	27	23	1.118726809	0.34127	SULF2	ENSG00000196562
20	45742629	45742973	45742801	10	16	13	1.164389127	0.333296	SULF2	ENSG00000196562
20	45742980	45743801	45743226	13	40	22	1.709358975	0.0172316	SULF2	ENSG00000196562
20	45744085	45744616	45744241	10	20	26	0.745817872	0.845948	SULF2	ENSG00000196562
20	45745088	45745584	45745267	8	17	24	0.690414259	0.888181	SULF2	ENSG00000196562
20	45745715	45745935	45745806	11	13	14	0.894981447	0.618069	SULF2	ENSG00000196562
20	45746336	45746654	45746495	11	15	20	0.730597099	0.831283	SULF2	ENSG00000196562
20	45748382	45748805	45748626	10	18	21	0.828148417	0.728078	SULF2	ENSG00000196562
20	45749034	45749545	45749366	8	19	23	0.799090578	0.772621	SULF2	ENSG00000196562
20	45751002	45752034	45751836	15	51	46	1.060920256	0.383385	SULF2	ENSG00000196562
20	45752081	45752631	45752458	13	25	30	0.804246001	0.795369	SULF2	ENSG00000196562
20	45753151	45753684	45753505	8	19	31	0.599317933	0.96677	SULF2	ENSG00000196562
20	45753707	45753929	45753835	10	12	20	0.593610143	0.935335	SULF2	ENSG00000196562
20	45754072	45754284	45754219	9	9	14	0.639272462	0.869513	SULF2	ENSG00000196562

20	45754765	45755310	45755043	15	29	23	1.198635866	0.251284	SULF2	ENSG00000196562
20	45755353	45756254	45756115	21	45	36	1.192156754	0.210834	SULF2	ENSG00000196562
20	45756340	45757239	45756651	13	42	39	1.030826845	0.444144	SULF2	ENSG00000196562
20	45757346	45757757	45757519	12	18	20	0.867584056	0.67417	SULF2	ENSG00000196562
20	45757990	45758439	45758214	10	19	22	0.833833646	0.725376	SULF2	ENSG00000196562
20	45758802	45758999	45758905	10	11	17	0.639272462	0.890352	SULF2	ENSG00000196562
20	45759088	45759572	45759206	11	21	19	1.054799562	0.429896	SULF2	ENSG00000196562
20	45759757	45760918	45760155	13	56	40	1.333116964	0.077771	SULF2	ENSG00000196562
20	45761226	45762366	45761771	13	54	50	1.034117218	0.430677	SULF2	ENSG00000196562
20	45762475	45762775	45762625	14	16	26	0.603757325	0.952213	SULF2	ENSG00000196562
20	45763834	45764035	45763934	8	9	20	0.456623187	0.983844	SULF2	ENSG00000196562
20	45764227	45765011	45764631	15	38	24	1.495897561	0.0545351	SULF2	ENSG00000196562
20	45765384	45765586	45765470	9	11	15	0.71918152	0.81018	SULF2	ENSG00000196562
20	45766716	45767034	45766890	16	21	14	1.406399416	0.148881	SULF2	ENSG00000196562
20	45767136	45767949	45767474	19	49	25	1.844055179	0.00450038	SULF2	ENSG00000196562
20	45768429	45769157	45768593	11	30	27	1.06164891	0.407875	SULF2	ENSG00000196562
20	45769815	45770022	45769918	8	9	9	0.958908693	0.536911	SULF2	ENSG00000196562
20	45770395	45770892	45770643	9	20	22	0.875525328	0.671044	SULF2	ENSG00000196562
20	45771059	45771358	45771208	12	15	19	0.767126954	0.788167	SULF2	ENSG00000196562
20	45771478	45772044	45771657	11	26	29	0.863017824	0.711594	SULF2	ENSG00000196562
20	45772485	45772664	45772574	8	8	12	0.663859864	0.833689	SULF2	ENSG00000196562
20	45772786	45773344	45772953	14	26	22	1.125675422	0.336059	SULF2	ENSG00000196562
20	45773398	45773960	45773590	12	27	28	0.925842876	0.614522	SULF2	ENSG00000196562
20	45774169	45774983	45774781	22	49	44	1.065454103	0.377712	SULF2	ENSG00000196562
20	45775424	45775696	45775560	9	13	15	0.839045106	0.685928	SULF2	ENSG00000196562
20	45776443	45777113	45776879	9	27	35	0.745817872	0.879981	SULF2	ENSG00000196562
20	45777908	45778219	45778062	9	12	11	1.038817751	0.460341	SULF2	ENSG00000196562
20	45778976	45779173	45779075	8	11	5	1.917817386	0.0843804	SULF2	ENSG00000196562
20	45779226	45779919	45779572	8	26	36	0.699744181	0.923312	SULF2	ENSG00000196562
20	45780281	45780940	45780627	12	32	27	1.130142388	0.314942	SULF2	ENSG00000196562
20	45781028	45781315	45781161	8	11	23	0.479454347	0.984912	SULF2	ENSG00000196562
20	45781400	45781661	45781546	10	11	18	0.605626543	0.918575	SULF2	ENSG00000196562
20	45781686	45782196	45781865	10	21	17	1.171999514	0.305749	SULF2	ENSG00000196562
20	45782813	45783047	45782962	8	10	15	0.659249726	0.861705	SULF2	ENSG00000196562

20	45783180	45783525	45783352	16	19	22	0.833833646	0.725376	SULF2	ENSG00000196562
20	45783912	45784297	45784034	12	19	16	1.128127874	0.354788	SULF2	ENSG00000196562
20	45786019	45786352	45786185	11	16	18	0.857970936	0.678066	SULF2	ENSG00000196562
20	45786598	45786960	45786769	8	14	28	0.495987255	0.988914	SULF2	ENSG00000196562
20	45787041	45788101	45787726	42	97	79	1.174663149	0.141349	SULF2	ENSG00000196562
20	45789019	45789206	45789187	8	10	7	1.318499453	0.269217	SULF2	ENSG00000196562
20	45789210	45789439	45789333	13	15	8	1.704726565	0.0916153	SULF2	ENSG00000196562
20	45789532	45790001	45789677	11	23	30	0.742380924	0.865876	SULF2	ENSG00000196562
20	45790016	45790236	45790132	8	10	22	0.458608505	0.987045	SULF2	ENSG00000196562
20	45790272	45790845	45790450	12	24	29	0.799090578	0.798033	SULF2	ENSG00000196562
20	45791073	45791332	45791202	11	14	10	1.307602763	0.244096	SULF2	ENSG00000196562
20	45791407	45791819	45791646	14	21	25	0.811384279	0.76647	SULF2	ENSG00000196562
20	45791842	45792500	45792322	14	34	22	1.459208881	0.0757064	SULF2	ENSG00000196562
20	45792897	45793301	45793143	14	22	26	0.816848146	0.76371	SULF2	ENSG00000196562
20	45793565	45794655	45794068	12	50	54	0.889169879	0.727598	SULF2	ENSG00000196562
20	45795013	45795626	45795192	13	29	22	1.250750469	0.206436	SULF2	ENSG00000196562
20	45795960	45797387	45796217	21	75	74	0.971694142	0.569758	SULF2	ENSG00000196562
20	45797444	45797830	45797637	11	20	17	1.118726809	0.361026	SULF2	ENSG00000196562
20	45797857	45799525	45799311	12	70	44	1.512944827	0.0135933	SULF2	ENSG00000196562
20	45799529	45800023	45799844	19	31	17	1.704726565	0.0311659	SULF2	ENSG00000196562
20	45800040	45800652	45800346	9	25	16	1.466566236	0.10473	SULF2	ENSG00000196562
20	45801029	45803389	45802052	15	102	104	0.940643766	0.67045	SULF2	ENSG00000196562
20	45803535	45803940	45803714	8	16	25	0.626978761	0.936688	SULF2	ENSG00000196562
20	45804253	45804453	45804350	12	12	9	1.246581301	0.295061	SULF2	ENSG00000196562
20	45804818	45805448	45805186	12	28	19	1.390417605	0.124062	SULF2	ENSG00000196562
20	45805863	45806284	45806035	13	22	17	1.225272219	0.255726	SULF2	ENSG00000196562
20	45806540	45806814	45806710	11	15	14	1.022835939	0.473606	SULF2	ENSG00000196562
20	45806827	45807314	45807165	12	25	30	0.804246001	0.795369	SULF2	ENSG00000196562
20	45807672	45807869	45807833	8	8	4	1.726035648	0.150596	SULF2	ENSG00000196562
20	45807964	45808461	45808143	12	24	16	1.410159843	0.132195	SULF2	ENSG00000196562
20	45809177	45809641	45809274	12	20	19	1.006854128	0.490315	SULF2	ENSG00000196562
20	45809655	45809890	45809748	9	12	12	0.958908693	0.542188	SULF2	ENSG00000196562
20	45810174	45810413	45810273	9	11	16	0.676876725	0.854566	SULF2	ENSG00000196562
20	45810493	45811836	45811384	18	71	73	0.932992242	0.662412	SULF2	ENSG00000196562

20	45817424	45817603	45817472	8	8	5	1.43836304	0.235762	SULF2	ENSG00000196562
20	45818387	45818774	45818595	8	16	15	1.018840486	0.477384	SULF2	ENSG00000196562
20	45822363	45822903	45822724	11	23	8	2.557089848	0.00494559	SULF2	ENSG00000196562
20	45825044	45825343	45825193	10	14	17	0.799090578	0.74177	SULF2	ENSG00000196562
20	45826525	45826738	45826601	12	13	10	1.220429246	0.306001	SULF2	ENSG00000196562
20	45826783	45827037	45826910	10	13	7	1.678090213	0.11195	SULF2	ENSG00000196562
20	45827796	45828031	45827895	8	10	15	0.659249726	0.861705	SULF2	ENSG00000196562
20	45828626	45828873	45828757	11	12	4	2.493162602	0.0299057	SULF2	ENSG00000196562
20	45829219	45829493	45829345	10	11	5	1.917817386	0.0843804	SULF2	ENSG00000196562
20	45830041	45830467	45830335	11	17	13	1.232882605	0.274309	SULF2	ENSG00000196562
20	45830516	45831031	45830669	11	21	21	0.958908693	0.555026	SULF2	ENSG00000196562
20	45831617	45831917	45831746	9	13	6	1.917817386	0.0693353	SULF2	ENSG00000196562
20	45831968	45832231	45832124	8	10	12	0.811384279	0.697544	SULF2	ENSG00000196562
20	45839290	45839589	45839459	9	12	14	0.831054201	0.689281	SULF2	ENSG00000196562
20	45845293	45847397	45847050	204	388	60	6.115007895	1.95E-57	SULF2	ENSG00000196562
20	45848084	45849603	45848882	38	141	78	1.723608031	3.65E-05	SULF2	ENSG00000196562
20	45850037	45850609	45850320	8	20	18	1.05984645	0.425516	SULF2	ENSG00000196562
20	45851115	45851859	45851680	17	37	31	1.138704073	0.292149	SULF2	ENSG00000196562
20	45852370	45852834	45852625	10	20	20	0.958908693	0.553754	SULF2	ENSG00000196562
20	45867466	45867727	45867596	10	11	7	1.43836304	0.204844	SULF2	ENSG00000196562
20	45869537	45869795	45869674	8	11	12	0.885146486	0.620672	SULF2	ENSG00000196562
20	45871451	45871757	45871593	13	16	13	1.164389127	0.333296	SULF2	ENSG00000196562
20	45872094	45872502	45872258	9	17	19	0.863017824	0.676008	SULF2	ENSG00000196562
20	45873719	45874282	45873889	12	26	25	0.995789797	0.505405	SULF2	ENSG00000196562
20	45874666	45875035	45874789	12	17	12	1.327719729	0.212795	SULF2	ENSG00000196562
20	45876108	45876287	45876216	8	8	5	1.43836304	0.235762	SULF2	ENSG00000196562
20	45876443	45877060	45876881	13	33	19	1.630144778	0.03763	SULF2	ENSG00000196562
20	45877065	45877268	45877126	9	10	6	1.506856518	0.188853	SULF2	ENSG00000196562
20	45877293	45877623	45877452	8	12	15	0.779113313	0.750998	SULF2	ENSG00000196562
20	45879625	45880550	45879999	17	49	30	1.546626924	0.0258926	SULF2	ENSG00000196562
20	45885887	45886117	45886002	8	9	13	0.684934781	0.824961		ENSG00000215448
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20	45913787	45914207	45913966	9	18	6	2.602752167	0.00970422		ENSG00000215448
20	45914220	45914494	45914316	8	11	4	2.301380863	0.0459276		ENSG00000215448

20	45916891	45917509	45917174	19	38	29	1.246581301	0.179231	ENSG00000215448
20	45918163	45918463	45918313	8	11	10	1.046082211	0.455063	ENSG00000215448
20	45918500	45918853	45918676	13	18	3	4.554816292	0.000599415	ENSG00000215448
20	45919494	45920293	45919893	10	31	22	1.334133834	0.142045	ENSG00000215448
20	45920376	45920635	45920505	13	16	13	1.164389127	0.333296	ENSG00000215448
20	45923250	45923555	45923404	9	12	4	2.493162602	0.0299057	ENSG00000215448
20	45925551	45925760	45925692	9	12	7	1.558226626	0.152813	ENSG00000215448
20	45925799	45925981	45925871	9	10	5	1.757999271	0.121253	ENSG00000215448
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20	45927656	45927937	45927796	9	13	14	0.894981447	0.618069	ENSG00000215448
20	45928575	45928803	45928654	8	10	6	1.506856518	0.188853	ENSG00000215448
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20	45932690	45933009	45932838	9	11	10	1.046082211	0.455063	ENSG00000215448
20	45935151	45935430	45935301	8	12	15	0.779113313	0.750998	ENSG00000215448
20	45936642	45936851	45936718	8	9	8	1.065454103	0.442605	ENSG00000215448
20	45938603	45938885	45938779	9	14	13	1.027402171	0.469541	ENSG00000215448
20	45940528	45941188	45940858	11	32	18	1.665472993	0.0343673	ENSG00000215448
20	45941955	45942153	45942054	9	10	3	2.636998906	0.034203	ENSG00000215448
20	45944939	45945265	45945102	14	19	19	0.958908693	0.552451	ENSG00000215448
20	45946655	45946870	45946726	8	9	13	0.684934781	0.824961	ENSG00000215448
20	45949418	45949712	45949569	9	11	7	1.43836304	0.204844	ENSG00000215448
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20	45957585	45958160	45957966	13	29	19	1.43836304	0.0995642	ENSG00000215448
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20	45986301	45986879	45986460	9	20	19	1.006854128	0.490315	ENSG00000215448
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20	45992294	45992588	45992461	11	13	6	1.917817386	0.0693353	ENSG00000215448
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20	45995101	45995395	45995262	10	12	7	1.558226626	0.152813	ENSG00000215448
20	45995458	45995745	45995584	9	12	5	2.077635502	0.0577144	ENSG00000215448
20	45998996	45999363	45999192	15	20	18	1.05984645	0.425516	ENSG00000215448
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20	46000950	46001407	46001228	8	17	18	0.908439814	0.615249	ENSG00000215448
20	46002456	46003077	46002898	11	28	15	1.738022006	0.0334925	ENSG00000215448
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20	46007018	46007637	46007376	13	31	19	1.534253909	0.0623199	ENSG00000215448
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20	46010033	46010345	46010189	8	12	12	0.958908693	0.542188	ENSG00000215448
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20	46020072	46020444	46020251	9	15	10	1.394776281	0.191426	ENSG00000215448
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20	46051581	46052764	46052337	32	88	42	1.984717993	6.63E-05	ENSG00000215448
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20	46089508	46089716	46089622	8	9	8	1.065454103	0.442605	ENSG00000215448
20	46090676	46090870	46090790	10	11	6	1.643843474	0.137712	ENSG00000215448
20	46091833	46092217	46092085	10	16	9	1.630144778	0.102169	ENSG00000215448
20	46092579	46092861	46092729	8	12	18	0.656095422	0.884036	ENSG00000215448
20	46092955	46093640	46093378	10	28	20	1.324207243	0.159584	ENSG00000215448
20	46093751	46094510	46093922	13	31	33	0.902502299	0.661862	ENSG00000215448
20	46098032	46098591	46098412	15	32	22	1.375825516	0.116194	ENSG00000215448
20	46100362	46100666	46100530	15	19	7	2.397271733	0.0127287	ENSG00000215448
20	46101128	46101339	46101187	10	11	4	2.301380863	0.0459276	ENSG00000215448
20	46101900	46102377	46102198	9	19	21	0.871735176	0.672523	ENSG00000215448
20	46102506	46103899	46103296	18	59	56	1.009377572	0.479288	ENSG00000215448
20	46104012	46104222	46104117	9	9	9	0.958908693	0.536911	ENSG00000215448
20	46104414	46105013	46104623	11	27	20	1.278544924	0.193646	ENSG00000215448
20	46105035	46105545	46105290	9	21	19	1.054799562	0.429896	ENSG00000215448
20	46105965	46106650	46106335	8	23	23	0.958908693	0.557483	ENSG00000215448
20	46108075	46108543	46108253	11	21	19	1.054799562	0.429896	ENSG00000215448
20	46108571	46109036	46108867	11	19	24	0.767126954	0.814057	ENSG00000215448
20	46109624	46109963	46109793	15	20	25	0.774503175	0.810437	ENSG00000215448
20	46110359	46110556	46110501	8	9	3	2.397271733	0.0539397	ENSG00000215448
20	46113065	46113305	46113185	8	12	2	4.155271003	0.0046638	ENSG00000215448
20	46113575	46114934	46114246	19	84	75	1.07246367	0.327928	ENSG00000215448
20	46115086	46115405	46115245	9	13	11	1.118726809	0.38479	ENSG00000215448
20	46115427	46115833	46115654	11	19	16	1.128127874	0.354788	ENSG00000215448
20	46115869	46116574	46116048	15	36	38	0.909733888	0.660189	ENSG00000215448
20	46116686	46118238	46117882	15	66	43	1.460156419	0.0238664	ENSG00000215448
20	46118295	46118932	46118585	18	42	35	1.145363161	0.272078	ENSG00000215448
20	46119002	46119187	46119077	8	9	6	1.369869562	0.253675	ENSG00000215448
20	46120367	46120728	46120573	11	16	9	1.630144778	0.102169	ENSG00000215448
20	46122423	46122657	46122548	9	11	19	0.575345216	0.94039	ENSG00000215448
20	46123242	46123510	46123394	11	15	17	0.852363283	0.680376	ENSG00000215448

20	46123521	46123735	46123646	10	12	9	1.246581301	0.295061	ENSG00000215448
20	46125486	46126381	46125938	9	30	42	0.691306267	0.943579	ENSG00000215448
20	46126432	46126829	46126605	9	16	15	1.018840486	0.477384	ENSG00000215448
20	46126966	46127338	46127145	17	24	25	0.922027589	0.614196	ENSG00000215448
20	46128002	46128362	46128107	12	18	24	0.728770607	0.85379	ENSG00000215448
20	46129334	46129591	46129498	10	12	10	1.133255728	0.37674	ENSG00000215448
20	46131723	46132224	46132035	12	23	12	1.770292972	0.0429088	ENSG00000215448
20	46132228	46132572	46132400	11	16	15	1.018840486	0.477384	ENSG00000215448
20	46133254	46133523	46133388	8	10	9	1.054799562	0.4492	ENSG00000215448
20	46134452	46134865	46134678	12	21	15	1.318499453	0.19542	ENSG00000215448
20	46135599	46135925	46135755	11	14	8	1.598181155	0.124586	ENSG00000215448
20	46141676	46142021	46141848	13	19	8	2.130908207	0.0233014	ENSG00000215448
20	46147806	46148059	46147932	8	11	3	2.876726079	0.0213797	ENSG00000215448
20	46152409	46152816	46152551	13	20	9	2.013708255	0.0279742	ENSG00000215448
20	46155045	46155323	46155196	10	13	15	0.839045106	0.685928	ENSG00000215448
20	46157198	46157406	46157287	8	8	9	0.863017824	0.627343	ENSG00000215448
20	46160054	46160784	46160272	20	43	32	1.278544924	0.140191	ENSG00000215448
20	46161373	46161571	46161461	8	10	3	2.636998906	0.034203	ENSG00000215448
20	46161886	46162163	46162007	10	11	9	1.150690432	0.367789	ENSG00000215448
20	46163057	46163413	46163208	11	16	16	0.958908693	0.548325	ENSG00000215448
20	46164569	46164750	46164678	8	10	6	1.506856518	0.188853	ENSG00000215448
20	46165123	46165717	46165445	13	26	23	1.07877228	0.391798	ENSG00000215448
20	46165802	46166294	46166115	8	19	29	0.639272462	0.942743	ENSG00000215448
20	46166370	46166575	46166472	8	9	8	1.065454103	0.442605	ENSG00000215448
20	46166615	46167032	46166794	9	17	10	1.569123316	0.112309	ENSG00000215448
20	46168247	46168980	46168725	50	85	30	2.66019831	3.09E-07	ENSG00000215448
20	46172997	46173266	46173136	11	13	8	1.491635745	0.166708	ENSG00000215448
20	46175835	46176168	46176001	9	14	11	1.198635866	0.315918	ENSG00000215448
20	46187050	46187252	46187129	8	8	4	1.726035648	0.150596	ENSG00000215448
20	46191512	46192026	46191805	8	17	8	1.917817386	0.0474153	ENSG00000215448
20	46197259	46197586	46197436	8	12	12	0.958908693	0.542188	ENSG00000215448
20	46203865	46204097	46203993	9	11	14	0.767126954	0.756447	ENSG00000215448
20	46204476	46204831	46204653	15	21	7	2.636998906	0.00562102	ENSG00000215448
20	46208386	46208744	46208565	11	17	9	1.726035648	0.0753664	ENSG00000215448

20	46212168	46212522	46212345	9	14	14	0.958908693	0.545362	ENSG00000215448
20	46216244	46216450	46216342	8	9	9	0.958908693	0.536911	ENSG00000215448
20	46238307	46238665	46238486	10	15	4	3.068507818	0.0076507	ENSG00000215448
20	46239878	46240161	46240022	10	13	9	1.34247217	0.232231	ENSG00000215448
20	46242307	46242670	46242486	10	16	6	2.328778255	0.0221113	ENSG00000215448
20	46243199	46243438	46243356	9	11	4	2.301380863	0.0459276	ENSG00000215448
20	46251030	46251228	46251129	8	8	1	4.315089119	0.0127267	ENSG00000215448
20	46251284	46251803	46251534	19	31	13	2.191791298	0.00499072	ENSG00000215448
20	46257869	46258119	46258024	11	13	8	1.491635745	0.166708	ENSG00000215448
20	46262340	46262530	46262435	10	10	3	2.636998906	0.034203	ENSG00000215448
20	46264123	46264312	46264217	8	8	3	2.157544559	0.0836802	ENSG00000215448
20	46265604	46265931	46265776	9	13	6	1.917817386	0.0693353	ENSG00000215448
20	46267533	46267874	46267703	15	19	8	2.130908207	0.0233014	ENSG00000215448
20	46279463	46279723	46279621	8	11	3	2.876726079	0.0213797	ENSG00000215448
20	46284836	46285300	46285121	12	21	3	5.273997812	0.00011662	ENSG00000215448
20	46298847	46299174	46299010	10	15	3	3.835634772	0.00291691	ENSG00000215448
20	46300823	46301066	46300941	8	10	5	1.757999271	0.121253	ENSG00000215448
20	46309041	46309241	46309146	9	10	9	1.054799562	0.4492	ENSG00000215448
20	46318795	46319083	46318939	9	12	2	4.155271003	0.0046638	ENSG00000215448
20	46325196	46325505	46325350	10	12	4	2.493162602	0.0299057	PREX1 ENSG00000124126
20	46326959	46327162	46327061	8	8	8	0.958908693	0.534974	PREX1 ENSG00000124126
20	46328467	46328687	46328577	8	9	6	1.369869562	0.253675	PREX1 ENSG00000124126
20	46335058	46335237	46335086	8	8	1	4.315089119	0.0127267	PREX1 ENSG00000124126
20	46335489	46335815	46335664	8	12	3	3.116453252	0.0131971	PREX1 ENSG00000124126
20	46339815	46340113	46339973	11	13	8	1.491635745	0.166708	PREX1 ENSG00000124126
20	46343768	46344056	46343912	9	12	13	0.890415215	0.619237	PREX1 ENSG00000124126
20	46345783	46345972	46345877	8	8	6	1.232882605	0.333038	PREX1 ENSG00000124126
20	46349470	46349803	46349636	8	11	5	1.917817386	0.0843804	PREX1 ENSG00000124126
20	46350789	46351054	46350921	12	14	9	1.43836304	0.179537	PREX1 ENSG00000124126
20	46351331	46351531	46351431	9	9	5	1.598181155	0.170911	PREX1 ENSG00000124126
20	46354901	46355237	46355067	8	12	7	1.558226626	0.152813	PREX1 ENSG00000124126
20	46357469	46358146	46357967	23	43	21	1.917817386	0.00487974	PREX1 ENSG00000124126
20	46360935	46362221	46361453	23	78	39	1.893844669	0.000342473	PREX1 ENSG00000124126
20	46376727	46377026	46376876	10	12	8	1.385090334	0.219216	PREX1 ENSG00000124126

20	46378613	46379132	46378857	12	27	18	1.4131286	0.11777	PREX1	ENSG00000124126
20	46382737	46383003	46382856	11	12	10	1.133255728	0.37674	PREX1	ENSG00000124126
20	46385319	46385600	46385426	9	13	6	1.917817386	0.0693353	PREX1	ENSG00000124126
20	46386231	46386424	46386327	8	9	8	1.065454103	0.442605	PREX1	ENSG00000124126
20	46387612	46387819	46387715	10	10	7	1.318499453	0.269217	PREX1	ENSG00000124126
20	46393773	46394055	46393895	8	11	13	0.821921737	0.693119	PREX1	ENSG00000124126
20	46394460	46394650	46394513	8	9	13	0.684934781	0.824961	PREX1	ENSG00000124126
20	46394702	46395272	46394980	13	29	20	1.369869562	0.130203	PREX1	ENSG00000124126
20	46395350	46395699	46395528	8	11	6	1.643843474	0.137712	PREX1	ENSG00000124126
20	46397511	46397756	46397633	8	9	4	1.917817386	0.103282	PREX1	ENSG00000124126
20	46406488	46406667	46406563	8	8	4	1.726035648	0.150596	PREX1	ENSG00000124126
20	46407575	46407780	46407695	9	11	4	2.301380863	0.0459276	PREX1	ENSG00000124126
20	46411400	46411620	46411526	8	8	9	0.863017824	0.627343	PREX1	ENSG00000124126
20	46412436	46412811	46412658	9	14	3	3.595907599	0.00486913	PREX1	ENSG00000124126
20	46420534	46420829	46420681	9	11	7	1.43836304	0.204844	PREX1	ENSG00000124126
20	46426097	46426320	46426227	9	11	12	0.885146486	0.620672	PREX1	ENSG00000124126
20	46428251	46428501	46428353	9	11	6	1.643843474	0.137712	PREX1	ENSG00000124126
20	46439573	46439764	46439668	8	9	4	1.917817386	0.103282	PREX1	ENSG00000124126
20	46443531	46443941	46443814	9	15	10	1.394776281	0.191426	PREX1	ENSG00000124126
20	46444346	46444680	46444513	8	12	5	2.077635502	0.0577144	PREX1	ENSG00000124126
20	46446008	46446404	46446178	11	18	11	1.518272097	0.122037	PREX1	ENSG00000124126
20	46449893	46450177	46450035	8	11	16	0.676876725	0.854566	PREX1	ENSG00000124126
20	46457493	46457778	46457640	10	13	5	2.237453617	0.038866	PREX1	ENSG00000124126
20	46461270	46461690	46461449	9	17	9	1.726035648	0.0753664	PREX1	ENSG00000124126
20	46471996	46472483	46472262	8	18	9	1.821926517	0.0548428	PREX1	ENSG00000124126
20	46482451	46482672	46482549	8	9	3	2.397271733	0.0539397	PREX1	ENSG00000124126
20	46483576	46483987	46483808	9	17	17	0.958908693	0.549739	PREX1	ENSG00000124126
20	46485261	46485443	46485396	8	10	6	1.506856518	0.188853	PREX1	ENSG00000124126
20	46496621	46496855	46496739	8	10	1	5.273997812	0.00391723	PREX1	ENSG00000124126
20	46498327	46498614	46498498	8	11	4	2.301380863	0.0459276	PREX1	ENSG00000124126
20	46505525	46505722	46505626	9	11	15	0.71918152	0.81018	PREX1	ENSG00000124126
20	46510856	46511052	46510955	9	10	8	1.171999514	0.35773	PREX1	ENSG00000124126
20	46513683	46514011	46513840	8	10	7	1.318499453	0.269217	PREX1	ENSG00000124126
20	46517255	46517648	46517378	10	17	8	1.917817386	0.0474153	PREX1	ENSG00000124126

20	46517663	46517895	46517750	8	9	9	0.958908693	0.536911	PREX1	ENSG00000124126
20	46520908	46521144	46521026	8	9	4	1.917817386	0.103282	PREX1	ENSG00000124126
20	46523152	46523364	46523306	8	9	6	1.369869562	0.253675	PREX1	ENSG00000124126
20	46523526	46523766	46523611	8	9	6	1.369869562	0.253675	PREX1	ENSG00000124126
20	46525485	46525709	46525661	9	12	7	1.558226626	0.152813	PREX1	ENSG00000124126
20	46526709	46526967	46526842	10	12	7	1.558226626	0.152813	PREX1	ENSG00000124126
20	46535669	46535945	46535807	8	11	4	2.301380863	0.0459276	PREX1	ENSG00000124126
20	46542646	46542834	46542778	9	10	4	2.109599125	0.0694668	PREX1	ENSG00000124126
20	46564465	46564798	46564635	8	11	10	1.046082211	0.455063	PREX1	ENSG00000124126
20	46565003	46565812	46565326	26	66	45	1.396671357	0.0386221	PREX1	ENSG00000124126
20	46566056	46566559	46566225	19	28	15	1.738022006	0.0334925	PREX1	ENSG00000124126
20	46570667	46570919	46570793	8	9	5	1.598181155	0.170911	PREX1	ENSG00000124126
20	46573087	46573435	46573280	13	18	15	1.138704073	0.348127	PREX1	ENSG00000124126
20	46579112	46579424	46579251	11	14	6	2.054804342	0.0480281	PREX1	ENSG00000124126
20	46588463	46588692	46588577	11	13	14	0.894981447	0.618069	PREX1	ENSG00000124126
20	46588744	46588997	46588883	10	12	15	0.779113313	0.750998	PREX1	ENSG00000124126
20	46594839	46595102	46594970	15	17	6	2.465765211	0.014729	PREX1	ENSG00000124126
20	46596121	46596476	46596358	8	12	6	1.78083043	0.0985525	PREX1	ENSG00000124126
20	46596692	46596883	46596787	10	10	5	1.757999271	0.121253	PREX1	ENSG00000124126
20	46607425	46607666	46607558	8	9	6	1.369869562	0.253675	PREX1	ENSG00000124126
20	46615122	46615472	46615297	9	14	5	2.397271733	0.0258078	PREX1	ENSG00000124126
20	46617453	46618422	46618096	30	67	21	2.963899597	8.01E-07	PREX1	ENSG00000124126
20	46621940	46622206	46622093	9	11	3	2.876726079	0.0213797	PREX1	ENSG00000124126
20	46622284	46622675	46622429	11	16	15	1.018840486	0.477384	PREX1	ENSG00000124126
20	46626324	46626625	46626474	12	13	8	1.491635745	0.166708	PREX1	ENSG00000124126
20	46628436	46628615	46628535	8	9	6	1.369869562	0.253675	PREX1	ENSG00000124126
20	46642294	46642625	46642459	10	14	4	2.876726079	0.01219	PREX1	ENSG00000124126
20	46644480	46644676	46644534	8	9	12	0.737622072	0.769563	PREX1	ENSG00000124126
20	46657480	46657790	46657635	10	14	4	2.876726079	0.01219	PREX1	ENSG00000124126
20	46661580	46661807	46661693	8	10	7	1.318499453	0.269217	PREX1	ENSG00000124126
20	46663801	46664209	46664053	8	12	14	0.831054201	0.689281	PREX1	ENSG00000124126
20	46665947	46666269	46666112	13	17	3	4.315089119	0.00102271	PREX1	ENSG00000124126
20	46670351	46671527	46671036	24	90	26	3.231877447	2.35E-09	PREX1	ENSG00000124126
20	46672506	46672752	46672657	9	12	11	1.038817751	0.460341	PREX1	ENSG00000124126

20	46680290	46680603	46680464	10	12	4	2.493162602	0.0299057	PREX1	ENSG00000124126
20	46685688	46686190	46685909	14	29	11	2.397271733	0.00325702	PREX1	ENSG00000124126
20	46698136	46698488	46698312	10	15	5	2.557089848	0.0169197	PREX1	ENSG00000124126
20	46707713	46708104	46707839	12	19	17	1.065454103	0.420867	PREX1	ENSG00000124126
20	46709803	46710250	46710121	8	16	17	0.905635988	0.615736	PREX1	ENSG00000124126
20	46711802	46712099	46711950	9	12	11	1.038817751	0.460341	PREX1	ENSG00000124126
20	46719838	46720044	46720000	8	10	2	3.515998541	0.0136204	PREX1	ENSG00000124126
20	46722684	46722882	46722798	8	8	4	1.726035648	0.150596	PREX1	ENSG00000124126
20	46723635	46723897	46723728	8	12	13	0.890415215	0.619237	PREX1	ENSG00000124126
20	46729488	46730152	46729966	9	25	22	1.08398374	0.38731	PREX1	ENSG00000124126
20	46734956	46735253	46735096	9	13	17	0.745817872	0.798145	PREX1	ENSG00000124126
20	46736079	46736354	46736225	11	14	9	1.43836304	0.179537	PREX1	ENSG00000124126
20	46745210	46745389	46745277	8	8	6	1.232882605	0.333038		ENSG00000212716
20	46747701	46748229	46747869	14	27	27	0.958908693	0.562099		ENSG00000212716
20	46751013	46751229	46751100	10	12	6	1.78083043	0.0985525		ENSG00000212716
20	46753943	46754159	46754057	8	9	4	1.917817386	0.103282		ENSG00000212716
20	46755041	46755584	46755248	16	32	25	1.217076418	0.224024		ENSG00000212716
20	46755689	46755964	46755825	10	12	16	0.733283118	0.803868		ENSG00000212716
20	46756297	46756620	46756458	10	14	13	1.027402171	0.469541		ENSG00000212716
20	46759771	46760287	46759987	10	20	10	1.830643869	0.0454769		ENSG00000212716
20	46768101	46768444	46768192	9	14	6	2.054804342	0.0480281		ENSG00000212716
20	46773096	46773297	46773186	8	10	10	0.958908693	0.538751		ENSG00000212716
20	46776924	46777299	46777131	9	15	7	1.917817386	0.0572317		ENSG00000212716
20	46777426	46777842	46777677	9	16	16	0.958908693	0.548325		ENSG00000212716
20	46784319	46784556	46784409	9	9	1	4.794543465	0.00708517		ENSG00000212716
20	46788723	46789146	46788896	11	19	11	1.598181155	0.0927758		ENSG00000212716
20	46789861	46790137	46789960	8	11	12	0.885146486	0.620672		ENSG00000212716
20	46803981	46804365	46804160	10	17	14	1.150690432	0.340986		ENSG00000212716
20	46810234	46810482	46810370	9	9	9	0.958908693	0.536911		ENSG00000212716
20	46820737	46821040	46820884	8	12	8	1.385090334	0.219216	PREX1	ENSG00000124126
20	46829094	46829371	46829232	8	11	2	3.835634772	0.00800699	PREX1	ENSG00000124126
20	46834415	46834703	46834559	13	14	6	2.054804342	0.0480281	PREX1	ENSG00000124126
20	46841001	46841302	46841131	12	15	10	1.394776281	0.191426	PREX1	ENSG00000124126
20	46841420	46841730	46841594	12	17	4	3.452071295	0.00292757	PREX1	ENSG00000124126

20	46858266	46858640	46858483	11	15	13	1.095895649	0.398774	PREX1	ENSG00000124126
20	46861618	46862259	46861953	11	26	9	2.589053471	0.00289627	PREX1	ENSG00000124126
20	46862531	46862803	46862667	8	11	11	0.958908693	0.540507	PREX1	ENSG00000124126
20	46863351	46863689	46863530	8	12	10	1.133255728	0.37674	PREX1	ENSG00000124126
20	46864178	46864419	46864321	10	12	8	1.385090334	0.219216	PREX1	ENSG00000124126
20	46865518	46866044	46865781	10	19	7	2.397271733	0.0127287	PREX1	ENSG00000124126
20	46869262	46869482	46869326	9	10	5	1.757999271	0.121253	PREX1	ENSG00000124126
20	46872130	46872317	46872223	8	9	4	1.917817386	0.103282	PREX1	ENSG00000124126
20	46872819	46873041	46872903	9	9	5	1.598181155	0.170911	PREX1	ENSG00000124126
20	46876211	46876510	46876353	9	12	11	1.038817751	0.460341	PREX1	ENSG00000124126
20	46876862	46877359	46877015	10	22	10	2.004990904	0.023438	PREX1	ENSG00000124126
20	46877442	46877649	46877545	9	10	4	2.109599125	0.0694668	PREX1	ENSG00000124126
20	46880226	46880516	46880360	9	11	12	0.885146486	0.620672	PREX1	ENSG00000124126
20	46882966	46883266	46883092	9	12	7	1.558226626	0.152813	PREX1	ENSG00000124126
20	46889609	46889795	46889700	8	8	9	0.863017824	0.627343	PREX1	ENSG00000124126
20	46891860	46892072	46891966	15	16	14	1.086763185	0.404922	PREX1	ENSG00000124126
20	46896324	46896521	46896465	9	9	2	3.19636231	0.0229249	PREX1	ENSG00000124126
20	46911287	46911512	46911363	8	9	4	1.917817386	0.103282	PREX1	ENSG00000124126
20	46914206	46914639	46914385	13	23	21	1.046082211	0.437961	PREX1	ENSG00000124126
20	46914677	46915108	46914929	14	26	31	0.80907921	0.792852	PREX1	ENSG00000124126
20	46915244	46915434	46915339	9	9	8	1.065454103	0.442605	PREX1	ENSG00000124126
20	46925289	46925663	46925468	8	15	3	3.835634772	0.00291691	ARFGEF2	ENSG00000124198
20	46934747	46934969	46934858	8	10	6	1.506856518	0.188853	ARFGEF2	ENSG00000124198
20	46936488	46936667	46936536	8	9	7	1.198635866	0.346278	ARFGEF2	ENSG00000124198
20	46939497	46939721	46939560	8	8	8	0.958908693	0.534974	ARFGEF2	ENSG00000124198
20	46940208	46940571	46940370	10	16	10	1.481949798	0.147733	ARFGEF2	ENSG00000124198
20	46943644	46943964	46943819	8	12	15	0.779113313	0.750998	ARFGEF2	ENSG00000124198
20	46947394	46947618	46947506	8	10	10	0.958908693	0.538751	ARFGEF2	ENSG00000124198
20	46954874	46955515	46955148	23	45	24	1.764391995	0.00934627	ARFGEF2	ENSG00000124198
20	46956051	46956321	46956204	8	12	8	1.385090334	0.219216	ARFGEF2	ENSG00000124198
20	46956546	46956899	46956732	11	16	8	1.811271976	0.0663685	ARFGEF2	ENSG00000124198
20	46957609	46957855	46957747	9	10	14	0.703199708	0.817173	ARFGEF2	ENSG00000124198
20	46970279	46970523	46970454	12	15	8	1.704726565	0.0916153	ARFGEF2	ENSG00000124198
20	46971036	46971669	46971508	13	29	24	1.150690432	0.299765	ARFGEF2	ENSG00000124198

20	46971837	46972827	46972137	29	88	25	3.282418219	2.49E-09	ARFGEF2	ENSG00000124198
20	46973139	46973349	46973235	9	11	19	0.575345216	0.94039	ARFGEF2	ENSG00000124198
20	46995861	46996130	46995982	18	19	4	3.835634772	0.00108365	ARFGEF2	ENSG00000124198
20	47383963	47384164	47384063	12	12	14	0.831054201	0.689281		ENSG00000212304
20	47401587	47401808	47401696	8	8	1	4.315089119	0.0127267		ENSG00000212304
20	47474466	47474687	47474576	8	9	1	4.794543465	0.00708517	KCNB1	ENSG00000158445
20	47511050	47511292	47511171	8	9	2	3.19636231	0.0229249	KCNB1	ENSG00000158445
20	47591723	47592092	47591920	10	15	13	1.095895649	0.398774	PTGIS	ENSG00000124212
20	47626398	47626584	47626491	8	8	0	8.630178238	0.00235436	PTGIS	ENSG00000124212
20	47654495	47654763	47654629	10	12	3	3.116453252	0.0131971	PTGIS	ENSG00000124212
20	47675689	47675883	47675783	9	9	2	3.19636231	0.0229249	PTGIS	ENSG00000124212
20	47682443	47682733	47682587	13	14	0	14.3836304	4.17E-05	PTGIS	ENSG00000124212
20	47819970	47820562	47820273	17	38	3	9.349359757	5.96E-09	SNRPP1	ENSG00000217373
20	47884934	47885372	47885222	39	52	1	25.41108037	8.99E-15		ENSG00000220552
20	47909819	47910114	47909966	17	20	12	1.54900635	0.101141		ENSG00000220552
20	47966389	47966582	47966485	8	10	3	2.636998906	0.034203	SPATA2	ENSG00000158480
20	47978726	47978955	47978840	10	12	6	1.78083043	0.0985525	RNF114	ENSG00000124226
20	47988459	47988795	47988627	8	12	4	2.493162602	0.0299057		ENSG00000210727
20	48062415	48062700	48062557	11	13	4	2.684944341	0.01921	SNAI1	ENSG00000124216
20	48165674	48165857	48165745	8	10	4	2.109599125	0.0694668	TMEM189	ENSG00000124208
20	48170857	48171089	48170973	8	10	7	1.318499453	0.269217	TMEM189	ENSG00000124208
20	48200992	48201227	48201117	9	11	5	1.917817386	0.0843804	TMEM189	ENSG00000124208
20	48215802	48216354	48216115	16	30	8	3.302907721	0.000239229	TMEM189	ENSG00000124208
20	48242203	48242440	48242317	10	11	1	5.753452158	0.00215302	CEBPB	ENSG00000172216
20	48288410	48288640	48288542	8	10	0	10.54799562	0.000613541	CEBPB	ENSG00000172216
20	48338212	48338408	48338349	8	8	0	8.630178238	0.00235436		ENSG00000203999
20	48384064	48384263	48384163	10	10	4	2.109599125	0.0694668		ENSG00000203999
20	48421967	48422342	48422163	15	23	3	5.753452158	3.82E-05		ENSG00000210745
20	48477945	48478424	48478104	18	27	6	3.835634772	0.000155182		ENSG00000210745
20	48488970	48489224	48489097	9	11	3	2.876726079	0.0213797		ENSG00000210745
20	48638152	48638349	48638270	10	10	2	3.515998541	0.0136204		ENSG00000208018
20	48706665	48707008	48706868	12	17	11	1.43836304	0.15834	FAM65C	ENSG00000042062
20	48720056	48721715	48720595	83	173	77	2.139104008	3.18E-09	FAM65C	ENSG00000042062
20	48721814	48722654	48722379	9	33	31	1.018840486	0.468915	FAM65C	ENSG00000042062

20	48723507	48724516	48724271	15	42	46	0.877299443	0.733069	FAM65C	ENSG00000042062
20	48725092	48726323	48726029	19	77	54	1.359906874	0.038788	FAM65C	ENSG00000042062
20	48726861	48727440	48727040	21	36	23	1.478317568	0.0642458	FAM65C	ENSG00000042062
20	48727891	48728701	48728070	16	40	44	0.873672365	0.734826	FAM65C	ENSG00000042062
20	48729734	48730628	48730099	15	44	66	0.644043152	0.989676	FAM65C	ENSG00000042062
20	48731240	48732337	48731857	12	47	63	0.71918152	0.959188	FAM65C	ENSG00000042062
20	48732967	48733329	48733165	11	17	20	0.821921737	0.731032	FAM65C	ENSG00000042062
20	48734019	48734435	48734256	12	22	30	0.711448385	0.894789	FAM65C	ENSG00000042062
20	48734463	48735043	48734642	10	25	26	0.923393556	0.614269	FAM65C	ENSG00000042062
20	48736658	48737254	48737075	14	33	31	1.018840486	0.468915	FAM65C	ENSG00000042062
20	48738107	48738499	48738320	10	18	15	1.138704073	0.348127	FAM65C	ENSG00000042062
20	48738511	48739070	48738891	17	31	34	0.876716519	0.705376	FAM65C	ENSG00000042062
20	48739442	48740848	48740070	22	94	87	1.035185521	0.406971	FAM65C	ENSG00000042062
20	48740882	48741304	48741140	10	18	30	0.587718231	0.969044	FAM65C	ENSG00000042062
20	48741900	48742451	48742272	9	21	26	0.781333009	0.807043	FAM65C	ENSG00000042062
20	48742482	48742869	48742661	13	20	19	1.006854128	0.490315	FAM65C	ENSG00000042062
20	48743079	48743404	48743243	12	17	14	1.150690432	0.340986	FAM65C	ENSG00000042062
20	48744661	48746064	48745220	15	63	68	0.889422556	0.75062	FAM65C	ENSG00000042062
20	48746793	48747117	48746983	9	14	20	0.684934781	0.872628	FAM65C	ENSG00000042062
20	48747892	48748350	48748245	12	20	17	1.118726809	0.361026	FAM65C	ENSG00000042062
20	48749309	48749888	48749475	11	25	32	0.755503819	0.859753	FAM65C	ENSG00000042062
20	48750184	48750687	48750512	13	22	27	0.787674998	0.803855	FAM65C	ENSG00000042062
20	48750812	48751167	48750989	9	15	33	0.45125115	0.996958	FAM65C	ENSG00000042062
20	48751169	48751977	48751798	18	44	44	0.958908693	0.578662	FAM65C	ENSG00000042062
20	48752441	48752821	48752617	12	19	19	0.958908693	0.552451	FAM65C	ENSG00000042062
20	48753512	48753885	48753670	15	20	24	0.805483302	0.769433	FAM65C	ENSG00000042062
20	48754429	48754730	48754571	11	16	25	0.626978761	0.936688	FAM65C	ENSG00000042062
20	48754739	48755234	48754918	12	25	26	0.923393556	0.614269	FAM65C	ENSG00000042062
20	48756944	48757204	48757074	13	14	15	0.8989769	0.617119	FAM65C	ENSG00000042062
20	48757609	48758200	48757931	12	25	29	0.831054201	0.756473	FAM65C	ENSG00000042062
20	48758872	48759671	48759415	12	36	33	1.043518284	0.427761	FAM65C	ENSG00000042062
20	48760482	48760793	48760621	15	19	13	1.369869562	0.177863	FAM65C	ENSG00000042062
20	48760797	48761564	48761289	29	63	55	1.095895649	0.307168	FAM65C	ENSG00000042062
20	48761900	48762496	48762191	14	32	32	0.958908693	0.567412	PARD6B	ENSG00000124171

20	48762587	48763159	48762838	14	31	22	1.334133834	0.142045	PARD6B	ENSG00000124171
20	48763545	48764232	48763810	43	73	42	1.65021496	0.00380649	PARD6B	ENSG00000124171
20	48764942	48765426	48765247	12	21	21	0.958908693	0.555026	PARD6B	ENSG00000124171
20	48765491	48766194	48765858	40	75	27	2.602752167	2.02E-06	PARD6B	ENSG00000124171
20	48766298	48766801	48766572	13	27	30	0.866111078	0.710165	PARD6B	ENSG00000124171
20	48768008	48769074	48768514	21	64	74	0.831054201	0.863406	PARD6B	ENSG00000124171
20	48769362	48769679	48769532	12	13	6	1.917817386	0.0693353	PARD6B	ENSG00000124171
20	48769731	48770214	48770030	17	29	27	1.027402171	0.457998	PARD6B	ENSG00000124171
20	48770384	48770846	48770720	10	21	19	1.054799562	0.429896	PARD6B	ENSG00000124171
20	48771093	48771559	48771394	13	22	9	2.205489994	0.0136443	PARD6B	ENSG00000124171
20	48771733	48772272	48771949	14	25	15	1.558226626	0.0760878	PARD6B	ENSG00000124171
20	48772371	48772834	48772535	18	28	25	1.069552004	0.40018	PARD6B	ENSG00000124171
20	48772895	48773367	48773188	22	35	32	1.046082211	0.424727	PARD6B	ENSG00000124171
20	48773634	48773970	48773802	11	14	10	1.307602763	0.244096	PARD6B	ENSG00000124171
20	48774216	48775495	48775012	68	138	81	1.625467175	0.0001898	PARD6B	ENSG00000124171
20	48775656	48775983	48775819	11	13	6	1.917817386	0.0693353	PARD6B	ENSG00000124171
20	48776395	48776938	48776759	12	27	27	0.958908693	0.562099	PARD6B	ENSG00000124171
20	48776942	48781387	48779669	225	736	357	1.97406622	6.36E-28	PARD6B	ENSG00000124171
20	48781433	48781785	48781609	10	15	22	0.667066917	0.897252	PARD6B	ENSG00000124171
20	48781870	48783215	48782652	28	110	77	1.364600832	0.0168042	PARD6B	ENSG00000124171
20	48783250	48783797	48783551	34	56	32	1.656296833	0.00913243	PARD6B	ENSG00000124171
20	48783803	48784863	48784685	22	55	45	1.167367105	0.216559	PARD6B	ENSG00000124171
20	48785148	48786687	48785967	41	107	97	1.056756519	0.345452	PARD6B	ENSG00000124171
20	48786949	48787798	48787518	18	52	47	1.058795015	0.386127	PARD6B	ENSG00000124171
20	48787964	48788404	48788112	9	17	18	0.908439814	0.615249	PARD6B	ENSG00000124171
20	48788697	48789217	48788855	12	24	23	0.998863222	0.500802	PARD6B	ENSG00000124171
20	48789404	48790164	48789582	21	53	47	1.07877228	0.349962	PARD6B	ENSG00000124171
20	48790197	48790597	48790376	8	16	15	1.018840486	0.477384	PARD6B	ENSG00000124171
20	48790784	48791512	48791210	14	34	37	0.883205375	0.70257	PARD6B	ENSG00000124171
20	48791898	48792114	48792006	8	10	4	2.109599125	0.0694668	PARD6B	ENSG00000124171
20	48792679	48793504	48793287	24	59	55	1.027402171	0.441432	PARD6B	ENSG00000124171
20	48793700	48794060	48793881	12	19	5	3.19636231	0.00280933	PARD6B	ENSG00000124171
20	48794272	48795074	48794520	54	124	61	1.933283655	5.94E-06	PARD6B	ENSG00000124171
20	48795664	48796950	48796571	24	78	76	0.983815412	0.54024	PARD6B	ENSG00000124171

20	48797009	48797479	48797274	10	21	27	0.753428259	0.842351	PARD6B	ENSG00000124171
20	48797631	48798116	48797810	14	24	28	0.826645425	0.758727	PARD6B	ENSG00000124171
20	48798517	48798993	48798696	12	24	25	0.922027589	0.614196	PARD6B	ENSG00000124171
20	48799202	48800984	48799519	16	95	61	1.484761847	0.00693395	PARD6B	ENSG00000124171
20	48801977	48802281	48802115	13	17	10	1.569123316	0.112309	PARD6B	ENSG00000124171
20	48802410	48802923	48802559	9	18	17	1.012181398	0.48423	PARD6B	ENSG00000124171
20	48804047	48804247	48804163	9	10	8	1.171999514	0.35773	PARD6B	ENSG00000124171
20	48804250	48804736	48804557	15	31	27	1.095895649	0.360001	PARD6B	ENSG00000124171
20	48804941	48805656	48805426	11	28	34	0.794524346	0.821881	PARD6B	ENSG00000124171
20	48806304	48806886	48806465	17	35	45	0.750450282	0.903295	PARD6B	ENSG00000124171
20	48807040	48807400	48807219	9	16	12	1.253957522	0.265012	PARD6B	ENSG00000124171
20	48807877	48808160	48808042	8	13	11	1.118726809	0.38479	PARD6B	ENSG00000124171
20	48808496	48809368	48809041	12	39	50	0.752085249	0.912963	PARD6B	ENSG00000124171
20	48809921	48810153	48810055	10	11	11	0.958908693	0.540507	PARD6B	ENSG00000124171
20	48810205	48810784	48810610	14	25	35	0.692545167	0.925864	PARD6B	ENSG00000124171
20	48811263	48813233	48811808	197	458	194	2.257123539	1.25E-23	PARD6B	ENSG00000124171
20	48813945	48814953	48814296	46	113	75	1.43836304	0.00648503	BCAS4	ENSG00000124243
20	48815338	48815559	48815448	11	11	9	1.150690432	0.367789	BCAS4	ENSG00000124243
20	48815594	48816171	48815843	15	28	24	1.112334084	0.346253	BCAS4	ENSG00000124243
20	48816297	48816718	48816523	12	21	19	1.054799562	0.429896	BCAS4	ENSG00000124243
20	48816803	48817431	48817156	15	33	22	1.417517198	0.0941994	BCAS4	ENSG00000124243
20	48820117	48820441	48820279	10	12	6	1.78083043	0.0985525	BCAS4	ENSG00000124243
20	48822373	48823101	48822613	11	28	27	0.993155432	0.509675	BCAS4	ENSG00000124243
20	48824193	48824407	48824343	8	9	4	1.917817386	0.103282	BCAS4	ENSG00000124243
20	48826330	48826848	48826509	10	20	25	0.774503175	0.810437	BCAS4	ENSG00000124243
20	48827399	48827628	48827547	9	11	13	0.821921737	0.693119	BCAS4	ENSG00000124243
20	48828713	48829065	48828799	10	15	4	3.068507818	0.0076507	BCAS4	ENSG00000124243
20	48829067	48829372	48829219	9	14	5	2.397271733	0.0258078	BCAS4	ENSG00000124243
20	48830254	48830499	48830380	8	12	20	0.593610143	0.935335	BCAS4	ENSG00000124243
20	48831365	48832263	48831985	17	47	37	1.211253086	0.186437	BCAS4	ENSG00000124243
20	48832607	48832966	48832679	10	16	12	1.253957522	0.265012	BCAS4	ENSG00000124243
20	48833242	48833538	48833406	8	11	14	0.767126954	0.756447	BCAS4	ENSG00000124243
20	48833800	48834271	48833979	9	20	36	0.544245474	0.988944	BCAS4	ENSG00000124243
20	48836378	48836689	48836528	10	14	20	0.684934781	0.872628	BCAS4	ENSG00000124243

20	48837552	48837756	48837665	9	9	8	1.065454103	0.442605	BCAS4	ENSG00000124243
20	48837836	48838655	48838160	68	107	68	1.500900563	0.00375759	BCAS4	ENSG00000124243
20	48838659	48839092	48838809	11	22	36	0.596078377	0.976695	BCAS4	ENSG00000124243
20	48839811	48841768	48840800	77	208	151	1.318499453	0.00449522	BCAS4	ENSG00000124243
20	48842610	48844875	48844719	24	151	129	1.121185549	0.168293	BCAS4	ENSG00000124243
20	48844999	48846115	48845706	26	82	70	1.120977768	0.238742	BCAS4	ENSG00000124243
20	48846930	48847522	48847102	11	27	40	0.654864473	0.960158	BCAS4	ENSG00000124243
20	48848294	48849282	48848466	16	54	45	1.146521263	0.245189	BCAS4	ENSG00000124243
20	48849288	48849622	48849451	10	15	24	0.613701564	0.940506	BCAS4	ENSG00000124243
20	48849878	48850252	48850117	13	19	34	0.547947825	0.986287	BCAS4	ENSG00000124243
20	48850866	48851115	48850990	12	13	16	0.789689512	0.746135	BCAS4	ENSG00000124243
20	48851413	48851691	48851552	11	13	14	0.894981447	0.618069	BCAS4	ENSG00000124243
20	48851697	48852337	48852091	9	28	19	1.390417605	0.124062	BCAS4	ENSG00000124243
20	48853112	48853507	48853309	9	18	24	0.728770607	0.85379	BCAS4	ENSG00000124243
20	48853703	48854010	48853839	10	14	14	0.958908693	0.545362	BCAS4	ENSG00000124243
20	48854184	48855653	48855182	11	65	59	1.054799562	0.381539	BCAS4	ENSG00000124243
20	48855853	48856289	48856071	16	28	16	1.635785418	0.0488966	BCAS4	ENSG00000124243
20	48856398	48856664	48856531	11	14	16	0.846095906	0.68298	BCAS4	ENSG00000124243
20	48858417	48858675	48858546	9	9	6	1.369869562	0.253675	BCAS4	ENSG00000124243
20	48860111	48860466	48860288	13	19	26	0.710302736	0.88	BCAS4	ENSG00000124243
20	48860815	48861089	48860952	8	11	10	1.046082211	0.455063	BCAS4	ENSG00000124243
20	48861177	48861695	48861435	11	23	16	1.353753449	0.165001	BCAS4	ENSG00000124243
20	48863133	48863555	48863411	11	17	39	0.431508912	0.999048	BCAS4	ENSG00000124243
20	48868424	48868735	48868579	10	16	9	1.630144778	0.102169	TMSL6	ENSG00000189262
20	48888969	48889311	48889148	14	18	1	9.109632584	2.91E-05	TMSL6	ENSG00000189262
20	48894622	48894960	48894791	9	14	0	14.3836304	4.17E-05	TMSL6	ENSG00000189262
20	48979232	48979649	48979470	12	20	4	4.027416511	0.000652226	ADNP	ENSG00000101126
20	48980008	48980193	48980100	8	8	1	4.315089119	0.0127267	ADNP	ENSG00000101126
20	49008537	49008792	49008659	8	10	4	2.109599125	0.0694668	MOCS3	ENSG00000124217
20	49037825	49038054	49037944	8	10	6	1.506856518	0.188853	MOCS3	ENSG00000124217
20	49042304	49042521	49042470	8	10	2	3.515998541	0.0136204	KCNG1	ENSG00000026559
20	49065130	49065366	49065248	8	10	3	2.636998906	0.034203	KCNG1	ENSG00000026559
20	49070234	49070435	49070303	9	9	4	1.917817386	0.103282	KCNG1	ENSG00000026559
20	49210446	49210638	49210542	8	9	2	3.19636231	0.0229249		ENSG00000219218

20	49236691	49236921	49236806	9	9	7	1.198635866	0.346278		ENSG00000219218
20	49356834	49357080	49356960	9	10	3	2.636998906	0.034203		ENSG00000219218
20	49422323	49422528	49422355	8	11	3	2.876726079	0.0213797	NFATC2	ENSG00000101096
20	49613856	49614081	49613968	11	11	1	5.753452158	0.00215302	NFATC2	ENSG00000101096
20	49673821	49674088	49673958	8	9	2	3.19636231	0.0229249	NFATC2	ENSG00000101096
20	49689275	49689609	49689441	11	15	6	2.191791298	0.0328001		ENSG00000215444
20	49703924	49704138	49704006	8	8	8	0.958908693	0.534974		ENSG00000215444
20	49737011	49737285	49737151	17	18	6	2.602752167	0.00970422		ENSG00000215444
20	49740444	49740913	49740714	9	17	4	3.452071295	0.00292757		ENSG00000215444
20	49750782	49751086	49750940	11	13	3	3.356180426	0.00805599		ENSG00000215444
20	49789703	49789939	49789817	11	13	3	3.356180426	0.00805599		ENSG00000215444
20	49794469	49794801	49794611	10	14	4	2.876726079	0.01219		ENSG00000215444
20	49800112	49800683	49800277	15	25	17	1.385090334	0.139369		ENSG00000215444
20	49802440	49802625	49802546	8	10	3	2.636998906	0.034203	ATP9A	ENSG00000054793
20	49813737	49813947	49813842	8	10	3	2.636998906	0.034203	ATP9A	ENSG00000054793
20	49816925	49817246	49817085	10	15	5	2.557089848	0.0169197	ATP9A	ENSG00000054793
20	49817666	49817936	49817839	8	12	2	4.155271003	0.0046638	ATP9A	ENSG00000054793
20	49849942	49850545	49850309	13	30	10	2.702379044	0.00113582	SALL4	ENSG00000101115
20	49850920	49851167	49851043	9	11	14	0.767126954	0.756447	SALL4	ENSG00000101115
20	49883367	49883717	49883542	10	13	12	1.0326709	0.46514	SALL4	ENSG00000101115
20	49897687	49897873	49897786	8	9	3	2.397271733	0.0539397	SALL4	ENSG00000101115
20	49903356	49903550	49903454	8	8	3	2.157544559	0.0836802		ENSG00000210764
20	49921896	49922189	49922015	11	14	10	1.307602763	0.244096		ENSG00000210764
20	49922624	49922940	49922782	10	15	0	15.34253909	2.13E-05		ENSG00000210764
20	49968452	49968885	49968625	11	19	9	1.917817386	0.0394029		ENSG00000210768
20	49969535	49969740	49969637	8	8	9	0.863017824	0.627343		ENSG00000210768
20	50012228	50012603	50012407	11	17	17	0.958908693	0.549739		ENSG00000210768
20	50016251	50016580	50016415	13	17	7	2.157544559	0.0276499		ENSG00000210768
20	50021313	50021509	50021430	9	10	0	10.54799562	0.000613541		ENSG00000210768
20	50021658	50021851	50021775	8	8	1	4.315089119	0.0127267		ENSG00000210768
20	50027934	50028470	50028277	47	64	0	62.32906505	1.04E-19		ENSG00000210768
20	50034880	50035165	50035044	10	11	7	1.43836304	0.204844		ENSG00000210768
20	50051983	50052303	50052143	8	11	10	1.046082211	0.455063		ENSG00000210768
20	50069278	50069468	50069406	8	8	4	1.726035648	0.150596	ZFP64	ENSG00000020256

20	50133555	50133939	50133728	9	15	8	1.704726565	0.0916153	ZFP64	ENSG00000020256
20	50144747	50145082	50144906	12	15	2	5.114179696	0.00088103	ZFP64	ENSG00000020256
20	51212299	51212506	51212402	9	9	1	4.794543465	0.00708517		ENSG00000199218
20	51381514	51381732	51381581	13	13	1	6.712360851	0.000640982	PPIAP10	ENSG00000216445
20	51586301	51586507	51586398	8	8	0	8.630178238	0.00235436		ENSG00000206959
20	51597704	51597954	51597825	8	11	6	1.643843474	0.137712		ENSG00000206959
20	51615094	51615499	51615229	11	17	28	0.595184706	0.961563		ENSG00000197670
20	51615610	51616283	51615857	14	33	25	1.253957522	0.189413		ENSG00000197670
20	51616755	51617043	51616905	12	14	20	0.684934781	0.872628		ENSG00000197670
20	51617127	51618597	51617717	20	72	102	0.679614899	0.994608		ENSG00000197670
20	51619576	51620340	51619859	17	48	48	0.958908693	0.582054	ZNF217	ENSG00000171940
20	51620345	51621389	51620663	19	63	57	1.058106144	0.376758	ZNF217	ENSG00000171940
20	51621546	51622703	51621924	16	57	84	0.654314167	0.994151	ZNF217	ENSG00000171940
20	51622708	51623071	51622887	12	19	38	0.491748048	0.996245	ZNF217	ENSG00000171940
20	51623329	51623755	51623508	11	18	19	0.910963258	0.614871	ZNF217	ENSG00000171940
20	51624136	51624505	51624267	11	17	30	0.556785693	0.978823	ZNF217	ENSG00000171940
20	51624668	51625126	51624897	18	31	24	1.227403127	0.218358	ZNF217	ENSG00000171940
20	51625170	51625596	51625417	10	19	35	0.532727052	0.989963	ZNF217	ENSG00000171940
20	51625605	51627861	51625791	22	142	122	1.114828806	0.187497	ZNF217	ENSG00000171940
20	51627969	51631490	51628874	74	312	301	0.993835831	0.530348	ZNF217	ENSG00000171940
20	51631518	51633177	51632381	18	95	116	0.786796876	0.959813	ZNF217	ENSG00000171940
20	51635682	51636128	51635949	11	19	15	1.198635866	0.291044	ZNF217	ENSG00000171940
20	51636434	51636877	51636709	21	31	37	0.807502057	0.815059	ZNF217	ENSG00000171940
20	51638164	51638343	51638253	8	9	6	1.369869562	0.253675	ZNF217	ENSG00000171940
20	51638460	51638793	51638626	14	18	18	0.958908693	0.551113	ZNF217	ENSG00000171940
20	51639332	51639723	51639544	15	23	15	1.43836304	0.12479	ZNF217	ENSG00000171940
20	51639758	51640015	51639933	11	14	14	0.958908693	0.545362	ZNF217	ENSG00000171940
20	51640059	51640385	51640263	15	20	12	1.54900635	0.101141	ZNF217	ENSG00000171940
20	51640559	51641046	51640720	10	19	21	0.871735176	0.672523	ZNF217	ENSG00000171940
20	51641117	51641360	51641235	12	15	12	1.180195315	0.324974	ZNF217	ENSG00000171940
20	51641545	51642054	51641712	10	20	19	1.006854128	0.490315	ZNF217	ENSG00000171940
20	51642067	51642496	51642246	19	31	18	1.615004115	0.044781	ZNF217	ENSG00000171940
20	51642528	51643565	51642770	24	67	38	1.671943362	0.00442915	ZNF217	ENSG00000171940
20	51644538	51645349	51644744	29	79	54	1.394776281	0.0272946	ZNF217	ENSG00000171940

20	51645704	51650727	51647303	57	466	380	1.175355275	0.00945883	ZNF217	ENSG00000171940
20	51650811	51651438	51651132	24	40	37	1.034612011	0.438996	ZNF217	ENSG00000171940
20	51652434	51653171	51652992	12	34	35	0.93227234	0.616206	ZNF217	ENSG00000171940
20	51653912	51654121	51654066	13	13	13	0.958908693	0.543805	ZNF217	ENSG00000171940
20	51654699	51655027	51654863	14	17	11	1.43836304	0.15834	ZNF217	ENSG00000171940
20	51655390	51655744	51655565	8	12	16	0.733283118	0.803868	ZNF217	ENSG00000171940
20	51655770	51655963	51655816	8	10	5	1.757999271	0.121253	ZNF217	ENSG00000171940
20	51656135	51657124	51656522	28	71	65	1.046082211	0.394951	ZNF217	ENSG00000171940
20	51657793	51659207	51658360	21	88	89	0.948254152	0.638783	ZNF217	ENSG00000171940
20	51659286	51659938	51659500	24	59	62	0.913246374	0.692738	ZNF217	ENSG00000171940
20	51659956	51660488	51660162	25	48	58	0.796381796	0.881807	ZNF217	ENSG00000171940
20	51660543	51660794	51660680	10	12	6	1.78083043	0.0985525	ZNF217	ENSG00000171940
20	51660895	51661190	51661042	10	12	7	1.558226626	0.152813	ZNF217	ENSG00000171940
20	51661205	51662081	51661444	27	81	64	1.209700197	0.124224	ZNF217	ENSG00000171940
20	51662327	51664594	51662607	23	150	156	0.922262501	0.761221	ZNF217	ENSG00000171940
20	51665479	51666117	51665798	9	24	26	0.887878419	0.666463	ZNF217	ENSG00000171940
20	51666321	51666507	51666461	9	9	3	2.397271733	0.0539397	ZNF217	ENSG00000171940
20	51666576	51666942	51666763	12	19	14	1.278544924	0.231514	ZNF217	ENSG00000171940
20	51667094	51667530	51667258	9	16	18	0.857970936	0.678066	ZNF217	ENSG00000171940
20	51667713	51668353	51668198	14	30	29	0.990872316	0.513662	ZNF217	ENSG00000171940
20	51669232	51669973	51669624	18	40	42	0.914308289	0.65947	ZNF217	ENSG00000171940
20	51670616	51670939	51670777	11	14	9	1.43836304	0.179537	ZNF217	ENSG00000171940
20	51671215	51674689	51671718	85	658	446	1.413693129	5.93E-09	ZNF217	ENSG00000171940
20	51674926	51675167	51675095	8	10	16	0.620470331	0.897128	ZNF217	ENSG00000171940
20	51675191	51675636	51675370	9	18	14	1.214617678	0.282961	ZNF217	ENSG00000171940
20	51675761	51675992	51675876	8	11	11	0.958908693	0.540507	ZNF217	ENSG00000171940
20	51676117	51676326	51676221	8	10	13	0.753428259	0.762589	ZNF217	ENSG00000171940
20	51676372	51676726	51676549	15	20	27	0.71918152	0.876208	ZNF217	ENSG00000171940
20	51677143	51677460	51677301	8	11	10	1.046082211	0.455063	ZNF217	ENSG00000171940
20	51677650	51678286	51678070	28	50	31	1.52826073	0.0276853	ZNF217	ENSG00000171940
20	51678775	51679071	51678907	13	15	17	0.852363283	0.680376	ZNF217	ENSG00000171940
20	51679356	51680339	51680188	16	53	37	1.362659722	0.0694425	ZNF217	ENSG00000171940
20	51681563	51682523	51681774	24	66	60	1.053227581	0.383868	ZNF217	ENSG00000171940
20	51683434	51683789	51683610	14	19	18	1.009377572	0.487356	ZNF217	ENSG00000171940

20	51683963	51684621	51684323	36	58	75	0.744415959	0.956613	ZNF217	ENSG00000171940
20	51684849	51685765	51685263	21	65	70	0.891379912	0.749724	ZNF217	ENSG00000171940
20	51685955	51687330	51686459	23	75	66	1.087717323	0.306869	ZNF217	ENSG00000171940
20	51687812	51688406	51688041	15	29	28	0.99197451	0.511702	ZNF217	ENSG00000171940
20	51688837	51690417	51690176	32	148	143	0.992204134	0.526411	ZNF217	ENSG00000171940
20	51691367	51691787	51691524	19	28	11	2.317362675	0.00474534	ZNF217	ENSG00000171940
20	51691891	51692288	51692070	17	24	23	0.998863222	0.500802	ZNF217	ENSG00000171940
20	51692378	51693582	51692746	30	110	83	1.267129344	0.0495984	ZNF217	ENSG00000171940
20	51693631	51694156	51693799	11	25	18	1.312190843	0.179876	ZNF217	ENSG00000171940
20	51694331	51694590	51694493	9	11	9	1.150690432	0.367789	ZNF217	ENSG00000171940
20	51695142	51696144	51695587	22	66	63	1.003857538	0.490697	ZNF217	ENSG00000171940
20	51696300	51697053	51696723	18	42	35	1.145363161	0.272078	ZNF217	ENSG00000171940
20	51697107	51697479	51697300	13	20	22	0.875525328	0.671044	ZNF217	ENSG00000171940
20	51697621	51698168	51697800	15	30	40	0.725028524	0.913791	ZNF217	ENSG00000171940
20	51699184	51699588	51699333	12	18	14	1.214617678	0.282961	ZNF217	ENSG00000171940
20	51700037	51700514	51700335	9	18	20	0.867584056	0.67417	ZNF217	ENSG00000171940
20	51700837	51701540	51701077	10	25	12	1.917817386	0.0229342	ZNF217	ENSG00000171940
20	51701780	51703567	51702792	27	141	146	0.926292751	0.74244	ZNF217	ENSG00000171940
20	51703800	51704192	51704015	15	21	16	1.240940662	0.248103	ZNF217	ENSG00000171940
20	51704239	51704732	51704553	12	24	25	0.922027589	0.614196	ZNF217	ENSG00000171940
20	51704790	51708160	51706513	42	350	323	1.038817751	0.310203	ZNF217	ENSG00000171940
20	51708188	51709196	51708667	21	68	70	0.931897181	0.661779	ZNF217	ENSG00000171940
20	51709577	51710165	51709731	11	24	33	0.705079921	0.910297	ZNF217	ENSG00000171940
20	51710246	51712102	51711844	33	159	174	0.876716519	0.885773	ZNF217	ENSG00000171940
20	51712320	51712908	51712644	11	27	31	0.839045106	0.752376	ZNF217	ENSG00000171940
20	51712959	51713681	51713509	12	35	34	0.986306084	0.522633	ZNF217	ENSG00000171940
20	51713847	51714794	51714212	20	58	62	0.898025601	0.723963	ZNF217	ENSG00000171940
20	51714980	51715432	51715256	25	36	21	1.612710075	0.0345008	ZNF217	ENSG00000171940
20	51715919	51716798	51716622	20	50	38	1.253957522	0.141278	ZNF217	ENSG00000171940
20	51716876	51717470	51717176	17	29	33	0.846095906	0.748756	ZNF217	ENSG00000171940
20	51717745	51718382	51718200	10	25	45	0.54199187	0.994813	ZNF217	ENSG00000171940
20	51718626	51718849	51718739	9	9	11	0.799090578	0.702688	ZNF217	ENSG00000171940
20	51719049	51719657	51719478	19	44	51	0.829824831	0.821251	ZNF217	ENSG00000171940
20	51720912	51721102	51720977	8	9	2	3.19636231	0.0229249	ZNF217	ENSG00000171940

20	51721142	51721700	51721490	22	40	40	0.958908693	0.575108	ZNF217	ENSG00000171940
20	51721988	51722301	51722144	8	11	11	0.958908693	0.540507	ZNF217	ENSG00000171940
20	51722539	51723086	51722827	20	36	44	0.788436037	0.859473	ZNF217	ENSG00000171940
20	51723332	51723843	51723508	15	27	27	0.958908693	0.562099	ZNF217	ENSG00000171940
20	51724000	51724266	51724122	8	9	9	0.958908693	0.536911	ZNF217	ENSG00000171940
20	51724576	51724941	51724744	8	14	21	0.653801382	0.90216	ZNF217	ENSG00000171940
20	51725416	51725705	51725560	8	12	23	0.519408875	0.975546	ZNF217	ENSG00000171940
20	51726569	51726868	51726714	18	21	39	0.527399781	0.993468	ZNF217	ENSG00000171940
20	51726874	51730436	51729784	54	366	328	1.069664104	0.187126	ZNF217	ENSG00000171940
20	51730461	51731167	51730891	19	45	42	1.0258093	0.451372	ZNF217	ENSG00000171940
20	51731279	51732270	51731546	17	53	49	1.035621389	0.428392	ZNF217	ENSG00000171940
20	51732506	51733100	51732715	15	31	33	0.902502299	0.661862	ZNF217	ENSG00000171940
20	51733305	51733517	51733411	13	14	8	1.598181155	0.124586	ZNF217	ENSG00000171940
20	51733528	51733948	51733755	19	33	49	0.652057911	0.974478	ZNF217	ENSG00000171940
20	51734619	51734816	51734717	8	11	11	0.958908693	0.540507	ZNF217	ENSG00000171940
20	51734829	51736418	51736113	27	107	121	0.848869991	0.893038	ZNF217	ENSG00000171940
20	51737084	51738459	51738010	25	91	74	1.17626133	0.146968	ZNF217	ENSG00000171940
20	51738616	51739293	51738913	19	45	29	1.470326663	0.0473607	ZNF217	ENSG00000171940
20	51740316	51740821	51740495	14	27	31	0.839045106	0.752376	ZNF217	ENSG00000171940
20	51740826	51742247	51741657	91	193	160	1.155455195	0.0868921	ZNF217	ENSG00000171940
20	51742370	51743623	51742741	21	90	80	1.077292482	0.312091	ZNF217	ENSG00000171940
20	51744504	51744894	51744682	15	22	26	0.816848146	0.76371	ZNF217	ENSG00000171940
20	51745253	51745661	51745482	10	19	14	1.278544924	0.231514	ZNF217	ENSG00000171940
20	51745664	51746539	51746014	19	54	66	0.787163853	0.906939	ZNF217	ENSG00000171940
20	51746769	51747042	51746905	8	10	13	0.753428259	0.762589	ZNF217	ENSG00000171940
20	51747897	51748327	51748075	17	25	25	0.958908693	0.559837	ZNF217	ENSG00000171940
20	51748492	51749219	51748897	10	28	27	0.993155432	0.509675	ZNF217	ENSG00000171940
20	51749261	51750375	51749783	21	84	88	0.915811673	0.719148	ZNF217	ENSG00000171940
20	51750491	51750701	51750564	9	12	6	1.78083043	0.0985525	ZNF217	ENSG00000171940
20	51750729	51751955	51751288	15	71	57	1.190369412	0.15997	ZNF217	ENSG00000171940
20	51752722	51752963	51752824	9	12	17	0.692545167	0.848017	ZNF217	ENSG00000171940
20	51753258	51753458	51753379	8	9	10	0.871735176	0.624623	ZNF217	ENSG00000171940
20	51754770	51755251	51754915	9	18	31	0.569352037	0.976935	ZNF217	ENSG00000171940
20	51755837	51759194	51758360	32	277	272	0.976471123	0.609894	ZNF217	ENSG00000171940

20	51759445	51759649	51759580	9	11	9	1.150690432	0.367789	ZNF217	ENSG00000171940
20	51759816	51760199	51759995	20	27	20	1.278544924	0.193646	ZNF217	ENSG00000171940
20	51760947	51764817	51764624	26	306	268	1.094367914	0.139621	ZNF217	ENSG00000171940
20	51765049	51765810	51765384	17	43	51	0.811384279	0.847428	ZNF217	ENSG00000171940
20	51766093	51766948	51766520	19	47	41	1.095895649	0.330961	ZNF217	ENSG00000171940
20	51767237	51767474	51767364	10	11	17	0.639272462	0.890352	ZNF217	ENSG00000171940
20	51767682	51769280	51768097	26	105	109	0.924039286	0.719269	ZNF217	ENSG00000171940
20	51769509	51769740	51769668	10	12	28	0.429855621	0.996097	ZNF217	ENSG00000171940
20	51769755	51769982	51769883	9	13	17	0.745817872	0.798145	ZNF217	ENSG00000171940
20	51770391	51770652	51770519	12	12	14	0.831054201	0.689281	ZNF217	ENSG00000171940
20	51770777	51771471	51771119	24	46	33	1.325550252	0.102513	ZNF217	ENSG00000171940
20	51771609	51771814	51771743	8	10	7	1.318499453	0.269217	ZNF217	ENSG00000171940
20	51772075	51772445	51772216	16	22	34	0.630139998	0.960074	ZNF217	ENSG00000171940
20	51772592	51773339	51772770	15	39	70	0.54023025	0.999295	ZNF217	ENSG00000171940
20	51773341	51774562	51773866	25	67	71	0.905635988	0.721355	ZNF217	ENSG00000171940
20	51774922	51775492	51775241	26	49	41	1.141557968	0.261779	ZNF217	ENSG00000171940
20	51775676	51776423	51776211	14	45	47	0.918954164	0.659122	ZNF217	ENSG00000171940
20	51776514	51777277	51776751	23	50	28	1.686356667	0.0106337	ZNF217	ENSG00000171940
20	51777398	51778821	51778536	25	82	79	0.994867769	0.512695	ZNF217	ENSG00000171940
20	51778973	51779345	51779145	10	16	9	1.630144778	0.102169	ZNF217	ENSG00000171940
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20	51780183	51781021	51780752	19	44	45	0.938062852	0.619775	ZNF217	ENSG00000171940
20	51781240	51782962	51781946	18	95	84	1.083002759	0.295279	ZNF217	ENSG00000171940
20	51782968	51783603	51783217	19	43	66	0.629731082	0.992222	ZNF217	ENSG00000171940
20	51783851	51784820	51784264	26	83	71	1.118726809	0.241221	ZNF217	ENSG00000171940
20	51784976	51785234	51785081	14	15	15	0.958908693	0.546868		ENSG00000149617
20	51785404	51786472	51786103	21	86	100	0.825990656	0.905066		ENSG00000149617
20	51786521	51791975	51788606	40	441	505	0.837623799	0.996794		ENSG00000149617
20	51792070	51793141	51792906	22	70	58	1.15394097	0.206654		ENSG00000149617
20	51793347	51793974	51793772	21	41	57	0.694382157	0.96555		ENSG00000149617
20	51794075	51794917	51794738	19	50	55	0.873291845	0.758606		ENSG00000149617
20	51795187	51795416	51795307	9	12	9	1.246581301	0.295061		ENSG00000149617
20	51795812	51796170	51795991	14	20	29	0.671236085	0.922603		ENSG00000149617
20	51796213	51796633	51796392	15	22	34	0.630139998	0.960074		ENSG00000149617

20	51796740	51797258	51797007	13	23	20	1.095895649	0.377643	ENSG00000149617
20	51797640	51797899	51797744	10	13	9	1.34247217	0.232231	ENSG00000149617
20	51798064	51800046	51799737	28	168	182	0.885549558	0.872957	ENSG00000149617
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20	51807366	51808362	51807864	20	56	46	1.162931819	0.220037	ENSG00000149617
20	51808489	51809046	51808826	24	44	53	0.799090578	0.868022	ENSG00000149617
20	51809718	51810589	51810061	18	54	62	0.83714251	0.833153	ENSG00000149617
20	51810727	51811176	51810892	11	18	24	0.728770607	0.85379	ENSG00000149617
20	51811221	51811575	51811385	10	15	30	0.494920616	0.991097	ENSG00000149617
20	51811830	51812093	51811927	12	14	30	0.463988077	0.994565	ENSG00000149617
20	51812331	51812690	51812632	8	14	15	0.8989769	0.617119	ENSG00000149617
20	51812702	51812973	51812837	9	12	17	0.692545167	0.848017	ENSG00000149617
20	51813105	51814823	51813847	30	146	179	0.783108766	0.986364	ENSG00000149617
20	51815945	51816718	51816364	25	66	38	1.64735596	0.0056575	ENSG00000149617
20	51817047	51819667	51817704	32	206	206	0.958908693	0.665165	ENSG00000149617
20	51820097	51820611	51820288	10	21	29	0.703199708	0.898125	ENSG00000149617
20	51820786	51821333	51821077	23	42	24	1.649322952	0.0207473	ENSG00000149617
20	51821382	51821595	51821554	8	10	17	0.585999757	0.924668	ENSG00000149617
20	51821619	51822124	51821832	16	26	37	0.681329861	0.938791	ENSG00000149617
20	51822191	51822859	51822568	12	32	35	0.878999635	0.704375	ENSG00000149617
20	51823218	51825385	51823919	45	256	225	1.090440416	0.170639	ENSG00000149617
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20	51826172	51826971	51826470	18	43	38	1.081845705	0.358944	ENSG00000149617
20	51827063	51828616	51828196	31	121	104	1.114160577	0.207423	ENSG00000149617
20	51828625	51829099	51828783	21	32	21	1.43836304	0.089235	ENSG00000149617
20	51829193	51830339	51829963	28	86	55	1.489733148	0.00911088	ENSG00000149617
20	51832344	51833151	51832612	19	44	57	0.743980883	0.933197	ENSG00000149617
20	51833501	51833680	51833664	8	9	2	3.19636231	0.0229249	ENSG00000149617
20	51833689	51834098	51833919	18	25	19	1.246581301	0.225794	ENSG00000149617
20	51834216	51835010	51834437	17	42	47	0.859022371	0.766152	ENSG00000149617
20	51835130	51837446	51836198	167	464	277	1.603930008	1.20E-10	ENSG00000149617
20	51837531	51838964	51837812	32	104	77	1.290838625	0.0425956	ENSG00000149617
20	51839125	51839392	51839278	9	11	14	0.767126954	0.756447	ENSG00000149617

20	51839460	51841450	51841186	52	233	221	1.010741595	0.454301	ENSG00000149617
20	51841595	51841885	51841729	13	14	13	1.027402171	0.469541	ENSG00000149617
20	51841966	51845089	51843937	421	859	230	3.5699631	1.13E-80	ENSG00000149617
20	51845261	51845633	51845454	14	21	16	1.240940662	0.248103	ENSG00000149617
20	51845837	51846271	51846011	16	28	18	1.463597479	0.0938263	ENSG00000149617
20	51846392	51847579	51846997	31	85	65	1.249487085	0.0851442	ENSG00000149617
20	51847588	51848173	51847744	15	30	28	1.025040327	0.460877	ENSG00000149617
20	51848190	51849383	51849091	18	64	74	0.831054201	0.863406	ENSG00000149617
20	51849598	51851783	51851374	32	173	179	0.92694507	0.7623	ENSG00000149617
20	51851883	51852128	51851951	16	19	18	1.009377572	0.487356	ENSG00000149617
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20	51852572	51853385	51852942	16	50	60	0.801710547	0.879098	ENSG00000149617
20	51853664	51854251	51853881	17	31	36	0.829326437	0.782137	ENSG00000149617
20	51854451	51857424	51855937	186	588	263	2.13938341	6.92E-27	ENSG00000149617
20	51857853	51858552	51858069	10	27	34	0.767126954	0.854158	ENSG00000149617
20	51858674	51861312	51859226	24	161	189	0.817595833	0.970496	ENSG00000149617
20	51861395	51862032	51861752	21	46	39	1.126717714	0.287903	ENSG00000149617
20	51862442	51862636	51862539	8	9	14	0.639272462	0.869513	ENSG00000149617
20	51862685	51863034	51862862	21	24	19	1.198635866	0.269826	ENSG00000149617
20	51863104	51864269	51863862	17	65	99	0.632879737	0.998273	ENSG00000149617
20	51864637	51865537	51865120	23	65	65	0.958908693	0.595057	ENSG00000149617
20	51865649	51866263	51866103	9	23	37	0.605626543	0.975111	ENSG00000149617
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20	51867155	51867459	51867295	8	11	7	1.43836304	0.204844	ENSG00000149617
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20	51871646	51872002	51871824	23	29	28	0.99197451	0.511702	ENSG00000149617
20	51872602	51873903	51873451	31	99	79	1.198635866	0.112182	ENSG00000149617
20	51873961	51875704	51874783	19	96	103	0.894366762	0.78578	ENSG00000149617
20	51875731	51876502	51875910	27	68	81	0.806886583	0.906375	ENSG00000149617
20	51876580	51880822	51878725	39	424	364	1.116537519	0.0608404	ENSG00000149617
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20	51881447	51881700	51881573	10	14	9	1.43836304	0.179537	ENSG00000149617
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20	51884701	51885090	51884939	10	17	15	1.07877228	0.410615	ENSG00000149617
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20	51886366	51887602	51887146	22	78	73	1.023699821	0.44183	ENSG00000149617
20	51887898	51888129	51887982	9	11	12	0.885146486	0.620672	ENSG00000149617
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20	51889323	51890122	51889560	20	58	65	0.857206256	0.805767	ENSG00000149617
20	51890397	51890988	51890610	29	49	41	1.141557968	0.261779	ENSG00000149617
20	51891039	51891479	51891301	11	21	22	0.917217011	0.614252	ENSG00000149617
20	51891969	51892266	51892126	13	17	18	0.908439814	0.615249	ENSG00000149617
20	51892411	51893093	51892916	17	37	49	0.728770607	0.931004	ENSG00000149617
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20	51895872	51896540	51896206	12	33	32	0.987966532	0.519197	ENSG00000149617
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20	51909399	51911510	51909814	28	142	126	1.079716087	0.263936	ENSG00000149617
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20	51919232	51919436	51919334	8	9	13	0.684934781	0.824961	ENSG00000149617
20	51919439	51921258	51919884	110	282	182	1.482902514	1.31E-05	ENSG00000149617
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20	51924092	51925181	51924320	16	60	58	0.991414072	0.518388	ENSG00000149617
20	51925190	51925429	51925309	12	12	17	0.692545167	0.848017	ENSG00000149617
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20	51944286	51944670	51944460	11	17	16	1.015315087	0.480915	ENSG00000149617
20	51944886	51945938	51945619	15	53	82	0.623868306	0.996919	ENSG00000149617
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20	51946300	51947026	51946438	11	31	51	0.590097657	0.991683	ENSG00000149617
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20	51947814	51950167	51948352	49	242	204	1.136657622	0.0877681	ENSG00000149617
20	51950227	51952792	51950575	23	157	176	0.855974992	0.922672	ENSG00000149617
20	51952950	51954063	51953444	21	72	79	0.875004182	0.79577	ENSG00000149617
20	51954262	51954765	51954426	17	26	23	1.07877228	0.391798	ENSG00000149617
20	51954929	51956008	51955350	18	63	77	0.786796876	0.923451	ENSG00000149617
20	51956012	51956641	51956465	33	69	41	1.598181155	0.00714726	ENSG00000149617
20	51956643	51957400	51957246	20	59	44	1.278544924	0.104159	ENSG00000149617
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20	51958291	51958555	51958388	10	14	19	0.71918152	0.83643	ENSG00000149617
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20	51960267	51961047	51960612	18	44	47	0.8989769	0.69647	ENSG00000149617
20	51961203	51962725	51961912	21	89	101	0.846095906	0.876659	ENSG00000149617
20	51963235	51963743	51963474	21	31	23	1.278544924	0.178011	ENSG00000149617
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20	51966718	51968620	51967090	18	122	118	0.991140918	0.527276	ENSG00000149617

20	51968664	51969361	51968980	17	40	39	0.98288141	0.530504	ENSG00000149617
20	51969693	51970441	51969954	19	45	57	0.760513791	0.918643	ENSG00000149617
20	51970614	51971975	51971671	40	124	93	1.275144539	0.0364999	ENSG00000149617
20	51972308	51972574	51972441	15	16	14	1.086763185	0.404922	ENSG00000149617
20	51972707	51973489	51973079	20	47	48	0.939339128	0.620982	ENSG00000149617
20	51973500	51974808	51973714	29	108	102	1.014767452	0.457054	ENSG00000149617
20	51975041	51975765	51975404	14	38	39	0.934935976	0.617524	ENSG00000149617
20	51975767	51977288	51976859	19	96	95	0.968897325	0.586648	ENSG00000149617
20	51977412	51978142	51977621	15	40	49	0.786305128	0.874522	ENSG00000149617
20	51978967	51981982	51980658	21	195	201	0.930426257	0.764035	ENSG00000149617
20	51982455	51982804	51982629	8	14	12	1.106433107	0.392094	ENSG00000149617
20	51982859	51986449	51985395	27	240	206	1.116410604	0.121989	ENSG00000149617
20	51986656	51987780	51987192	20	77	64	1.150690432	0.200221	ENSG00000149617
20	51987805	51992500	51989975	74	493	400	1.181298988	0.00645669	ENSG00000149617
20	51992872	51994388	51993869	45	171	139	1.178087823	0.0741168	ENSG00000149617
20	51994441	51995444	51994946	20	62	69	0.863017824	0.80247	ENSG00000149617
20	51995474	51995735	51995614	11	14	24	0.575345216	0.958881	ENSG00000149617
20	51996209	51996489	51996325	17	21	25	0.811384279	0.76647	ENSG00000149617
20	51996959	51998120	51997103	20	69	68	0.97280592	0.564274	ENSG00000149617
20	51998385	52001033	52000320	20	160	161	0.952989504	0.667297	ENSG00000149617
20	52001469	52002079	52001733	17	35	42	0.802807278	0.835974	ENSG00000149617
20	52002112	52005839	52002593	24	256	261	0.940608909	0.757212	ENSG00000149617
20	52006092	52008531	52007934	22	142	174	0.783565389	0.985069	ENSG00000149617
20	52008646	52009050	52008874	15	23	30	0.742380924	0.865876	ENSG00000149617
20	52009527	52012429	52010263	28	198	161	1.177918703	0.0601592	ENSG00000149617
20	52012464	52012903	52012643	13	23	20	1.095895649	0.377643	ENSG00000149617
20	52013323	52015679	52014171	23	152	135	1.07877228	0.259288	ENSG00000149617
20	52016318	52017071	52016823	19	47	43	1.046082211	0.413574	ENSG00000149617
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20	52018275	52021779	52018999	22	234	237	0.946821609	0.723773	ENSG00000149617
20	52021856	52022578	52022091	14	42	49	0.824661476	0.82412	ENSG00000149617
20	52022580	52023003	52022778	17	27	21	1.220429246	0.239062	ENSG00000149617
20	52023435	52023934	52023611	20	32	32	0.958908693	0.567412	BCAS1 ENSG00000064787
20	52024266	52025784	52025100	15	80	82	0.935802459	0.664519	BCAS1 ENSG00000064787

20	52025861	52027053	52026179	16	54	62	0.83714251	0.833153	BCAS1	ENSG00000064787
20	52027085	52027904	52027491	19	46	36	1.218073205	0.182357	BCAS1	ENSG00000064787
20	52028353	52029458	52028924	17	71	77	0.885146486	0.772716	BCAS1	ENSG00000064787
20	52029514	52029720	52029658	9	11	17	0.639272462	0.890352	BCAS1	ENSG00000064787
20	52029813	52031488	52031192	16	95	123	0.742380924	0.986252	BCAS1	ENSG00000064787
20	52031526	52031927	52031748	13	23	24	0.920552345	0.614165	BCAS1	ENSG00000064787
20	52031965	52032283	52032124	18	22	20	1.05023333	0.434036	BCAS1	ENSG00000064787
20	52032417	52034016	52033331	23	88	88	0.958908693	0.61007	BCAS1	ENSG00000064787
20	52034203	52035535	52035142	16	77	79	0.934935976	0.663787	BCAS1	ENSG00000064787
20	52035624	52035878	52035769	8	11	13	0.821921737	0.693119	BCAS1	ENSG00000064787
20	52035920	52036647	52036099	14	42	53	0.763575441	0.908048	BCAS1	ENSG00000064787
20	52036832	52038480	52037813	20	100	145	0.663354644	0.999324	BCAS1	ENSG00000064787
20	52038509	52039775	52038905	13	59	82	0.693187007	0.985489	BCAS1	ENSG00000064787
20	52039860	52041665	52040195	18	102	108	0.906124728	0.763625	BCAS1	ENSG00000064787
20	52041775	52042130	52041952	9	15	22	0.667066917	0.897252	BCAS1	ENSG00000064787
20	52042221	52045435	52043570	22	214	178	1.151761838	0.0805998	BCAS1	ENSG00000064787
20	52045439	52045797	52045618	19	24	28	0.826645425	0.758727	BCAS1	ENSG00000064787
20	52045812	52047265	52047001	29	114	94	1.160784207	0.139946	BCAS1	ENSG00000064787
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20	52048781	52049005	52048900	10	12	12	0.958908693	0.542188	BCAS1	ENSG00000064787
20	52049131	52049469	52049300	10	15	24	0.613701564	0.940506	BCAS1	ENSG00000064787
20	52049513	52049806	52049661	10	12	21	0.566627864	0.952667	BCAS1	ENSG00000064787
20	52050017	52050419	52050196	10	19	24	0.767126954	0.814057	BCAS1	ENSG00000064787
20	52050486	52050729	52050613	12	15	8	1.704726565	0.0916153	BCAS1	ENSG00000064787
20	52050758	52051861	52050937	12	44	60	0.707391659	0.962327	BCAS1	ENSG00000064787
20	52051880	52052574	52052069	16	44	56	0.757033179	0.92008	BCAS1	ENSG00000064787
20	52052741	52053975	52053017	19	66	84	0.755845676	0.95762	BCAS1	ENSG00000064787
20	52054099	52055044	52054571	17	52	38	1.303132326	0.102235	BCAS1	ENSG00000064787
20	52055382	52056378	52055690	17	53	41	1.232882605	0.152205	BCAS1	ENSG00000064787
20	52056660	52056947	52056811	8	12	19	0.62329065	0.912804	BCAS1	ENSG00000064787
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20	52057683	52058253	52057876	17	32	29	1.054799562	0.414985	BCAS1	ENSG00000064787
20	52058465	52058860	52058644	10	16	20	0.776259418	0.783794	BCAS1	ENSG00000064787
20	52059670	52060063	52059933	11	19	22	0.833833646	0.725376	BCAS1	ENSG00000064787

20	52060740	52061421	52060911	12	28	29	0.92694507	0.614695	BCAS1	ENSG00000064787
20	52061550	52063038	52062805	14	72	71	0.972226869	0.567061	BCAS1	ENSG00000064787
20	52063212	52063810	52063636	11	27	34	0.767126954	0.854158	BCAS1	ENSG00000064787
20	52063877	52066226	52065275	96	285	109	2.493162602	3.91E-18	BCAS1	ENSG00000064787
20	52066604	52067345	52066782	18	39	47	0.799090578	0.853966	BCAS1	ENSG00000064787
20	52067559	52068167	52067899	10	25	26	0.923393556	0.614269	BCAS1	ENSG00000064787
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20	52070871	52071301	52071122	10	18	18	0.958908693	0.551113	BCAS1	ENSG00000064787
20	52071896	52073056	52072835	15	55	44	1.193308596	0.186701	BCAS1	ENSG00000064787
20	52073247	52073918	52073509	11	31	43	0.69738814	0.941676	BCAS1	ENSG00000064787
20	52073920	52074153	52074036	10	11	18	0.605626543	0.918575	BCAS1	ENSG00000064787
20	52074232	52074903	52074469	14	33	41	0.776259418	0.865581	BCAS1	ENSG00000064787
20	52074998	52077135	52076368	15	103	69	1.424664344	0.0102573	BCAS1	ENSG00000064787
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20	52080149	52080340	52080245	8	9	19	0.479454347	0.976332	BCAS1	ENSG00000064787
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20	52081264	52081572	52081437	13	17	28	0.595184706	0.961563	BCAS1	ENSG00000064787
20	52083508	52083816	52083662	10	13	3	3.356180426	0.00805599	BCAS1	ENSG00000064787
20	52086285	52086544	52086414	9	13	17	0.745817872	0.798145	BCAS1	ENSG00000064787
20	52086798	52087221	52087048	11	20	22	0.875525328	0.671044	BCAS1	ENSG00000064787
20	52087607	52087808	52087707	8	10	27	0.376714129	0.998299	BCAS1	ENSG00000064787
20	52087886	52089647	52088215	15	85	92	0.88673277	0.789522	BCAS1	ENSG00000064787
20	52089974	52090710	52090436	15	37	29	1.214617678	0.210365	BCAS1	ENSG00000064787
20	52090733	52091436	52091175	15	37	26	1.349575198	0.113417	BCAS1	ENSG00000064787
20	52091805	52092192	52092038	10	17	19	0.863017824	0.676008	BCAS1	ENSG00000064787
20	52092523	52092949	52092770	16	28	28	0.958908693	0.563199	BCAS1	ENSG00000064787
20	52092955	52093958	52093779	15	50	42	1.13731031	0.265456	BCAS1	ENSG00000064787
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20	52095177	52095963	52095784	12	36	28	1.223435229	0.205341	BCAS1	ENSG00000064787
20	52096770	52097032	52096937	9	11	16	0.676876725	0.854566	BCAS1	ENSG00000064787

20	52097074	52097617	52097444	13	28	31	0.869011003	0.708837	BCAS1	ENSG00000064787
20	52097923	52098911	52098264	15	49	51	0.922027589	0.659173	BCAS1	ENSG00000064787
20	52099698	52100371	52099948	18	33	40	0.795192575	0.839981	BCAS1	ENSG00000064787
20	52100410	52100763	52100586	14	20	24	0.805483302	0.769433	BCAS1	ENSG00000064787
20	52100890	52101631	52101489	11	33	40	0.795192575	0.839981	BCAS1	ENSG00000064787
20	52101930	52102354	52102103	8	15	19	0.767126954	0.788167	BCAS1	ENSG00000064787
20	52102467	52102675	52102546	8	9	10	0.871735176	0.624623	BCAS1	ENSG00000064787
20	52102961	52103216	52103088	8	10	16	0.620470331	0.897128	BCAS1	ENSG00000064787
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20	52106544	52107536	52107040	12	48	57	0.810112517	0.862229	BCAS1	ENSG00000064787
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20	52109587	52110208	52110045	13	31	35	0.852363283	0.745543	BCAS1	ENSG00000064787
20	52110543	52111502	52111104	12	43	58	0.715118347	0.955317	BCAS1	ENSG00000064787
20	52111808	52111995	52111890	9	10	13	0.753428259	0.762589	BCAS1	ENSG00000064787
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20	52115187	52115486	52115323	14	15	24	0.613701564	0.940506	BCAS1	ENSG00000064787
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20	52121630	52121984	52121807	13	19	32	0.581156784	0.97504	BCAS1	ENSG00000064787
20	52122473	52122696	52122583	10	11	12	0.885146486	0.620672	BCAS1	ENSG00000064787
20	52123195	52123454	52123306	11	14	15	0.8989769	0.617119	BCAS1	ENSG00000064787
20	52123484	52124330	52123746	14	43	57	0.727447974	0.945775	BCAS1	ENSG00000064787
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20	52126785	52127796	52126964	23	65	54	1.150690432	0.219447	BCAS1	ENSG00000064787
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20	52130425	52130725	52130575	10	14	14	0.958908693	0.545362	BCAS1	ENSG00000064787
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20	52133154	52133424	52133289	9	12	5	2.077635502	0.0577144	BCAS1	ENSG00000064787
20	52133556	52135888	52135110	43	182	139	1.253430649	0.0215284	BCAS1	ENSG00000064787
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20	52142839	52144141	52143773	19	75	72	0.9983159	0.503657	BCAS1	ENSG00000064787
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20	52145783	52146286	52145962	14	25	40	0.608088439	0.978436	BCAS1	ENSG00000064787
20	52146419	52147960	52146907	46	139	88	1.508395697	0.00105258	BCAS1	ENSG00000064787
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20	52152515	52153116	52152956	13	26	43	0.588421243	0.986618	BCAS1	ENSG00000064787
20	52153176	52153741	52153502	48	76	59	1.230599489	0.112372	BCAS1	ENSG00000064787
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20	52164398	52165482	52164681	13	47	61	0.742380924	0.940744	BCAS1	ENSG00000064787
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20	52167593	52168159	52167890	8	20	36	0.544245474	0.988944	BCAS1	ENSG00000064787
20	52168162	52169285	52168421	19	62	57	1.041573236	0.410625	BCAS1	ENSG00000064787

20	52169331	52171235	52170213	14	86	104	0.794524346	0.944417	BCAS1	ENSG00000064787
20	52171643	52174249	52173818	75	334	208	1.537006757	3.82E-07	CYP24A1	ENSG00000019186
20	52174278	52174539	52174415	9	11	10	1.046082211	0.455063	CYP24A1	ENSG00000019186
20	52174608	52175339	52175079	23	50	27	1.746583691	0.00741682	CYP24A1	ENSG00000019186
20	52175580	52175916	52175748	11	16	19	0.815072389	0.734271	CYP24A1	ENSG00000019186
20	52176427	52179026	52177748	27	153	125	1.171999514	0.0922794	CYP24A1	ENSG00000019186
20	52179473	52179968	52179806	14	24	29	0.799090578	0.798033	CYP24A1	ENSG00000019186
20	52180128	52180529	52180304	10	17	37	0.454219907	0.998001	CYP24A1	ENSG00000019186
20	52180683	52180952	52180817	9	12	20	0.593610143	0.935335	CYP24A1	ENSG00000019186
20	52181524	52182434	52182255	17	51	46	1.060920256	0.383385	CYP24A1	ENSG00000019186
20	52182497	52183698	52182885	35	95	88	1.034328478	0.40867	CYP24A1	ENSG00000019186
20	52183889	52184193	52184032	12	17	21	0.784561658	0.779771	CYP24A1	ENSG00000019186
20	52184254	52184604	52184429	20	25	17	1.385090334	0.139369	CYP24A1	ENSG00000019186
20	52184747	52185430	52184926	12	27	36	0.725660633	0.902101	CYP24A1	ENSG00000019186
20	52185581	52186159	52185939	20	34	29	1.118726809	0.324157	CYP24A1	ENSG00000019186
20	52186260	52186921	52186428	17	38	38	0.958908693	0.573263	CYP24A1	ENSG00000019186
20	52187076	52188680	52187429	18	77	58	1.267709798	0.0828359	CYP24A1	ENSG00000019186
20	52188949	52189627	52189497	17	44	37	1.135549768	0.280189	CYP24A1	ENSG00000019186
20	52189692	52190012	52189847	13	15	30	0.494920616	0.991097	CYP24A1	ENSG00000019186
20	52190026	52191844	52190205	20	108	95	1.088760912	0.27085	CYP24A1	ENSG00000019186
20	52191851	52193365	52192030	12	66	75	0.845353716	0.842659	CYP24A1	ENSG00000019186
20	52193758	52194234	52194055	16	29	21	1.307602763	0.165913	CYP24A1	ENSG00000019186
20	52194888	52195181	52195034	10	13	20	0.639272462	0.907338	CYP24A1	ENSG00000019186
20	52195239	52195444	52195315	9	10	14	0.703199708	0.817173	CYP24A1	ENSG00000019186
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20	52196294	52196724	52196473	11	19	40	0.467760338	0.99812	CYP24A1	ENSG00000019186
20	52196864	52197553	52197204	10	26	35	0.71918152	0.904742	CYP24A1	ENSG00000019186
20	52198148	52198726	52198534	15	32	51	0.608538209	0.988458	CYP24A1	ENSG00000019186
20	52198728	52199911	52199238	54	168	134	1.200411623	0.0559464	CYP24A1	ENSG00000019186
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20	52201951	52203313	52202331	16	63	79	0.767126954	0.944048	CYP24A1	ENSG00000019186
20	52203752	52205533	52204962	14	87	109	0.767126954	0.968767	CYP24A1	ENSG00000019186
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20	52216422	52216778	52216600	8	14	19	0.71918152	0.83643	CYP24A1	ENSG00000019186
20	52216842	52217134	52216968	8	11	18	0.605626543	0.918575	CYP24A1	ENSG00000019186
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20	52218138	52218610	52218306	9	16	26	0.603757325	0.952213	CYP24A1	ENSG00000019186
20	52219066	52220689	52219316	26	101	84	1.150690432	0.168389	CYP24A1	ENSG00000019186
20	52220722	52224695	52224478	25	232	217	1.024888649	0.396726	CYP24A1	ENSG00000019186
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20	52225443	52225906	52225679	15	24	33	0.705079921	0.910297	CYP24A1	ENSG00000019186
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20	52232650	52233203	52233025	15	32	32	0.958908693	0.567412	CYP24A1	ENSG00000019186
20	52233666	52233925	52233793	9	11	13	0.821921737	0.693119	CYP24A1	ENSG00000019186
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20	52239211	52239567	52239389	12	18	26	0.674787599	0.909003	CYP24A1	ENSG00000019186
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20	52268168	52268980	52268622	12	34	36	0.907075791	0.660739	PFDN4	ENSG00000101132
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20	52273956	52274230	52274056	10	14	11	1.198635866	0.315918	PFDN4	ENSG00000101132
20	52275156	52275408	52275291	8	10	11	0.878999635	0.622439	PFDN4	ENSG00000101132
20	52275614	52276423	52275805	12	40	31	1.228601763	0.188772	PFDN4	ENSG00000101132
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20	52277109	52277429	52277269	10	14	28	0.495987255	0.988914	PFDN4	ENSG00000101132

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20	52281718	52282509	52281982	14	39	43	0.871735176	0.735776	PFDN4	ENSG00000101132
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20	52287463	52287884	52287673	10	19	23	0.799090578	0.772621	PFDN4	ENSG00000101132
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20	52312892	52313434	52313108	12	29	26	1.065454103	0.404106	PFDN4	ENSG00000101132
20	52314202	52314842	52314681	19	40	32	1.191371407	0.224665	PFDN4	ENSG00000101132
20	52315029	52315208	52315176	9	10	8	1.171999514	0.35773	PFDN4	ENSG00000101132
20	52315236	52315964	52315485	16	34	19	1.678090213	0.0288712	PFDN4	ENSG00000101132

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20	52318221	52319352	52318544	20	57	46	1.183334132	0.193643	PFDN4	ENSG00000101132
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20	52356859	52357773	52357316	20	48	41	1.118726809	0.295257	PFDN4	ENSG00000101132
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20	52364229	52365411	52364960	13	53	59	0.863017824	0.784539	PFDN4	ENSG00000101132
20	52365431	52365682	52365506	8	11	19	0.575345216	0.94039	PFDN4	ENSG00000101132
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20	52367275	52368019	52367874	11	29	38	0.737622072	0.897076	PFDN4	ENSG00000101132
20	52368071	52368360	52368238	16	17	13	1.232882605	0.274309	PFDN4	ENSG00000101132
20	52369596	52369939	52369767	9	14	17	0.799090578	0.74177	PFDN4	ENSG00000101132
20	52369946	52370489	52370121	10	21	33	0.620470331	0.962281	PFDN4	ENSG00000101132
20	52371440	52372321	52371897	12	39	43	0.871735176	0.735776	PFDN4	ENSG00000101132
20	52372666	52373133	52372845	12	22	17	1.225272219	0.255726	PFDN4	ENSG00000101132
20	52373383	52374509	52373776	12	49	35	1.331817629	0.0922602	PFDN4	ENSG00000101132
20	52374578	52374779	52374665	9	10	10	0.958908693	0.538751	PFDN4	ENSG00000101132
20	52374937	52375202	52375076	12	14	12	1.106433107	0.392094	PFDN4	ENSG00000101132
20	52375584	52375948	52375737	12	18	25	0.700740968	0.883987	PFDN4	ENSG00000101132
20	52376045	52376448	52376269	9	16	11	1.358453982	0.20248	PFDN4	ENSG00000101132
20	52376590	52377087	52376767	13	26	22	1.125675422	0.336059	PFDN4	ENSG00000101132
20	52377728	52378026	52377877	12	17	15	1.07877228	0.410615	PFDN4	ENSG00000101132
20	52378688	52379001	52378844	8	12	17	0.692545167	0.848017	PFDN4	ENSG00000101132
20	52379197	52380042	52379376	14	39	26	1.420605471	0.0759455	PFDN4	ENSG00000101132

20	52380971	52381150	52381079	9	9	8	1.065454103	0.442605	PFDN4	ENSG00000101132
20	52381645	52382112	52381800	12	22	25	0.848265382	0.718521	PFDN4	ENSG00000101132
20	52382451	52382721	52382586	8	12	15	0.779113313	0.750998	PFDN4	ENSG00000101132
20	52383020	52383567	52383175	9	17	17	0.958908693	0.549739	PFDN4	ENSG00000101132
20	52383693	52383947	52383820	8	11	12	0.885146486	0.620672	PFDN4	ENSG00000101132
20	52384387	52385314	52384892	15	45	41	1.05023333	0.408148	PFDN4	ENSG00000101132
20	52385341	52385986	52385677	10	29	23	1.198635866	0.251284	PFDN4	ENSG00000101132
20	52387228	52387507	52387371	9	11	6	1.643843474	0.137712	PFDN4	ENSG00000101132
20	52387697	52388212	52387876	12	25	20	1.187220287	0.276369	PFDN4	ENSG00000101132
20	52388401	52388866	52388747	10	19	26	0.710302736	0.88	PFDN4	ENSG00000101132
20	52389246	52389926	52389636	11	27	24	1.073977736	0.396082	PFDN4	ENSG00000101132
20	52390117	52390436	52390291	17	21	31	0.659249726	0.936811	PFDN4	ENSG00000101132
20	52390551	52391407	52390976	15	41	40	0.98229671	0.531972	PFDN4	ENSG00000101132
20	52391508	52391963	52391807	14	24	14	1.598181155	0.0700275	DOK5	ENSG00000101134
20	52392168	52393045	52392518	15	42	35	1.145363161	0.272078	DOK5	ENSG00000101134
20	52393068	52393679	52393375	15	34	35	0.93227234	0.616206	DOK5	ENSG00000101134
20	52393687	52394104	52393884	12	20	26	0.745817872	0.845948	DOK5	ENSG00000101134
20	52394648	52396854	52395404	37	139	80	1.65737305	0.000111582	DOK5	ENSG00000101134
20	52397055	52397613	52397233	11	22	21	1.002495452	0.4958	DOK5	ENSG00000101134
20	52398411	52399139	52398839	15	33	27	1.164389127	0.273121	DOK5	ENSG00000101134
20	52399228	52399850	52399623	12	28	26	1.029938967	0.455006	DOK5	ENSG00000101134
20	52400035	52400984	52400808	13	43	31	1.318499453	0.114064	DOK5	ENSG00000101134
20	52401346	52402207	52401563	18	53	25	1.991579593	0.00136597	DOK5	ENSG00000101134
20	52402833	52403356	52403019	10	21	19	1.054799562	0.429896	DOK5	ENSG00000101134
20	52404597	52405027	52404849	17	27	24	1.073977736	0.396082	DOK5	ENSG00000101134
20	52405508	52406024	52405845	23	35	28	1.190369412	0.239964	DOK5	ENSG00000101134
20	52406807	52407017	52406889	10	11	12	0.885146486	0.620672	DOK5	ENSG00000101134
20	52407426	52407647	52407536	8	10	17	0.585999757	0.924668	DOK5	ENSG00000101134
20	52408060	52408992	52408375	12	44	38	1.106433107	0.320392	DOK5	ENSG00000101134
20	52409599	52409955	52409777	9	15	24	0.613701564	0.940506	DOK5	ENSG00000101134
20	52410854	52411315	52411033	8	17	7	2.157544559	0.0276499	DOK5	ENSG00000101134
20	52411461	52411852	52411673	11	19	27	0.684934781	0.905224	DOK5	ENSG00000101134
20	52412186	52412713	52412534	12	28	21	1.264016004	0.200156	DOK5	ENSG00000101134
20	52412759	52413112	52412935	10	16	10	1.481949798	0.147733	DOK5	ENSG00000101134

20	52413197	52413430	52413318	9	12	11	1.038817751	0.460341	DOK5	ENSG00000101134
20	52413724	52414183	52413953	10	20	8	2.237453617	0.0160557	DOK5	ENSG00000101134
20	52414281	52414768	52414589	12	20	18	1.05984645	0.425516	DOK5	ENSG00000101134
20	52414944	52415156	52415022	12	15	11	1.278544924	0.254978	DOK5	ENSG00000101134
20	52415315	52415963	52415545	12	31	23	1.278544924	0.178011	DOK5	ENSG00000101134
20	52415984	52416256	52416162	15	18	12	1.401481936	0.168368	DOK5	ENSG00000101134
20	52416425	52416720	52416572	10	13	16	0.789689512	0.746135	DOK5	ENSG00000101134
20	52416942	52417226	52417069	12	15	18	0.807502057	0.737835	DOK5	ENSG00000101134
20	52417256	52418240	52417664	14	50	54	0.889169879	0.727598	DOK5	ENSG00000101134
20	52418429	52418929	52418679	10	24	46	0.510057815	0.997487	DOK5	ENSG00000101134
20	52419279	52419686	52419531	10	18	20	0.867584056	0.67417	DOK5	ENSG00000101134
20	52421005	52421254	52421117	11	12	12	0.958908693	0.542188	DOK5	ENSG00000101134
20	52421430	52421735	52421582	8	13	5	2.237453617	0.038866	DOK5	ENSG00000101134
20	52422934	52423275	52423104	9	15	14	1.022835939	0.473606	DOK5	ENSG00000101134
20	52423480	52424057	52423825	9	23	16	1.353753449	0.165001	DOK5	ENSG00000101134
20	52424064	52424304	52424184	8	11	16	0.676876725	0.854566	DOK5	ENSG00000101134
20	52427834	52428307	52428070	8	19	21	0.871735176	0.672523	DOK5	ENSG00000101134
20	52428318	52428598	52428458	14	16	17	0.905635988	0.615736	DOK5	ENSG00000101134
20	52429463	52429863	52429642	12	20	14	1.34247217	0.186867	DOK5	ENSG00000101134
20	52429960	52430308	52430134	8	13	23	0.559363404	0.962306	DOK5	ENSG00000101134
20	52430746	52431012	52430895	13	14	10	1.307602763	0.244096	DOK5	ENSG00000101134
20	52431298	52431853	52431674	12	29	30	0.927976155	0.614895	DOK5	ENSG00000101134
20	52432270	52434138	52432624	32	135	79	1.630144778	0.00020487	DOK5	ENSG00000101134
20	52434395	52435462	52434901	10	44	57	0.743980883	0.933197	DOK5	ENSG00000101134
20	52435480	52435692	52435522	8	11	25	0.442573243	0.992896	DOK5	ENSG00000101134
20	52435694	52435889	52435791	8	9	18	0.504688786	0.965748	DOK5	ENSG00000101134
20	52435999	52436783	52436566	10	33	26	1.207514651	0.229506	DOK5	ENSG00000101134
20	52437136	52437576	52437352	12	22	18	1.160784207	0.312473	DOK5	ENSG00000101134
20	52437708	52438606	52438192	17	57	55	0.993155432	0.514152	DOK5	ENSG00000101134
20	52438949	52439368	52439217	13	20	16	1.184534268	0.298622	DOK5	ENSG00000101134
20	52439427	52439844	52439606	17	23	31	0.71918152	0.891586	DOK5	ENSG00000101134
20	52439931	52440892	52440524	16	45	49	0.882195998	0.730752	DOK5	ENSG00000101134
20	52441448	52441815	52441627	8	15	15	0.958908693	0.546868	DOK5	ENSG00000101134
20	52442170	52442406	52442273	8	10	8	1.171999514	0.35773	DOK5	ENSG00000101134

20	52442894	52443139	52443019	8	12	9	1.246581301	0.295061	DOK5	ENSG00000101134
20	52443170	52443421	52443295	9	13	12	1.0326709	0.46514	DOK5	ENSG00000101134
20	52445424	52445780	52445619	12	17	25	0.663859864	0.912943	DOK5	ENSG00000101134
20	52447640	52447986	52447813	9	15	14	1.022835939	0.473606	DOK5	ENSG00000101134
20	52448050	52448743	52448379	8	23	14	1.534253909	0.0910901	DOK5	ENSG00000101134
20	52449663	52450540	52450127	11	37	34	1.041100867	0.430699	DOK5	ENSG00000101134
20	52450739	52450940	52450820	9	9	23	0.399545289	0.995189	DOK5	ENSG00000101134
20	52451501	52451868	52451617	8	14	12	1.106433107	0.392094	DOK5	ENSG00000101134
20	52452033	52452729	52452199	12	32	11	2.636998906	0.00100788	DOK5	ENSG00000101134
20	52453336	52453791	52453639	11	18	15	1.138704073	0.348127	DOK5	ENSG00000101134
20	52454189	52454741	52454562	10	23	20	1.095895649	0.377643	DOK5	ENSG00000101134
20	52455005	52455242	52455123	11	12	18	0.656095422	0.884036	DOK5	ENSG00000101134
20	52455265	52455604	52455425	9	14	26	0.532727052	0.97821	DOK5	ENSG00000101134
20	52456374	52456557	52456465	8	9	9	0.958908693	0.536911	DOK5	ENSG00000101134
20	52457049	52457294	52457171	9	12	18	0.656095422	0.884036	DOK5	ENSG00000101134
20	52457343	52458000	52457522	11	27	34	0.767126954	0.854158	DOK5	ENSG00000101134
20	52458090	52459054	52458433	13	45	43	1.002495452	0.494674	DOK5	ENSG00000101134
20	52459330	52459785	52459557	9	19	5	3.19636231	0.00280933	DOK5	ENSG00000101134
20	52460810	52461190	52460997	10	18	9	1.821926517	0.0548428	DOK5	ENSG00000101134
20	52461370	52462083	52461523	14	32	32	0.958908693	0.567412	DOK5	ENSG00000101134
20	52462222	52463111	52462872	18	48	48	0.958908693	0.582054	DOK5	ENSG00000101134
20	52464780	52465382	52465102	14	32	30	1.02077377	0.466328	DOK5	ENSG00000101134
20	52465603	52465822	52465720	10	11	7	1.43836304	0.204844	DOK5	ENSG00000101134
20	52466120	52466336	52466228	8	9	12	0.737622072	0.769563	DOK5	ENSG00000101134
20	52467119	52467457	52467295	8	12	16	0.733283118	0.803868	DOK5	ENSG00000101134
20	52468749	52469326	52469147	8	21	24	0.84383965	0.72062	DOK5	ENSG00000101134
20	52469851	52470033	52469942	8	8	18	0.454219907	0.979817	DOK5	ENSG00000101134
20	52470124	52470399	52470236	10	11	15	0.71918152	0.81018	DOK5	ENSG00000101134
20	52470464	52470822	52470641	15	20	17	1.118726809	0.361026	DOK5	ENSG00000101134
20	52470838	52471391	52471095	12	26	27	0.924661954	0.614379	DOK5	ENSG00000101134
20	52472786	52473011	52472889	10	11	8	1.278544924	0.28289	DOK5	ENSG00000101134
20	52473561	52473988	52473660	11	19	27	0.684934781	0.905224	DOK5	ENSG00000101134
20	52474478	52474798	52474638	11	14	13	1.027402171	0.469541	DOK5	ENSG00000101134
20	52474802	52475094	52474948	10	16	15	1.018840486	0.477384	DOK5	ENSG00000101134

20	52477124	52477661	52477483	11	24	9	2.397271733	0.00639731	DOK5	ENSG00000101134
20	52479039	52479610	52479431	15	30	46	0.632471691	0.977895	DOK5	ENSG00000101134
20	52480484	52480896	52480721	10	19	13	1.369869562	0.177863	DOK5	ENSG00000101134
20	52480918	52481272	52481095	10	15	16	0.902502299	0.616352	DOK5	ENSG00000101134
20	52481348	52481712	52481557	11	17	31	0.53938614	0.984501	DOK5	ENSG00000101134
20	52482214	52482582	52482403	10	17	10	1.569123316	0.112309	DOK5	ENSG00000101134
20	52482948	52483221	52483084	9	12	13	0.890415215	0.619237	DOK5	ENSG00000101134
20	52483421	52484546	52483696	12	44	42	1.003509097	0.49282	DOK5	ENSG00000101134
20	52484739	52484957	52484873	8	11	11	0.958908693	0.540507	DOK5	ENSG00000101134
20	52484959	52485320	52485121	9	15	20	0.730597099	0.831283	DOK5	ENSG00000101134
20	52486125	52486457	52486283	11	15	8	1.704726565	0.0916153	DOK5	ENSG00000101134
20	52486976	52487172	52487092	8	9	18	0.504688786	0.965748	DOK5	ENSG00000101134
20	52487199	52487740	52487503	9	22	25	0.848265382	0.718521	DOK5	ENSG00000101134
20	52488133	52488812	52488486	11	28	18	1.463597479	0.0938263	DOK5	ENSG00000101134
20	52490702	52491219	52491043	14	25	28	0.859711242	0.713133	DOK5	ENSG00000101134
20	52491658	52491882	52491770	8	10	16	0.620470331	0.897128	DOK5	ENSG00000101134
20	52492613	52492901	52492757	12	18	15	1.138704073	0.348127	DOK5	ENSG00000101134
20	52497249	52497682	52497427	11	18	27	0.650688042	0.929412	DOK5	ENSG00000101134
20	52497688	52498303	52497867	12	28	42	0.646705863	0.96725	DOK5	ENSG00000101134
20	52498429	52498644	52498557	10	12	14	0.831054201	0.689281	DOK5	ENSG00000101134
20	52498975	52499485	52499306	9	22	18	1.160784207	0.312473	DOK5	ENSG00000101134
20	52499858	52500216	52500037	15	21	7	2.636998906	0.00562102	DOK5	ENSG00000101134
20	52501068	52501798	52501632	18	37	16	2.143442961	0.00308695	DOK5	ENSG00000101134
20	52502700	52504141	52503439	13	72	48	1.428578257	0.0251657	DOK5	ENSG00000101134
20	52504880	52505251	52505059	11	18	13	1.301376083	0.22245	DOK5	ENSG00000101134
20	52505643	52507429	52506603	55	149	90	1.580618725	0.000229893	DOK5	ENSG00000101134
20	52507767	52508629	52507946	16	45	40	1.075848778	0.36552	DOK5	ENSG00000101134
20	52508955	52509774	52509364	20	43	19	2.109599125	0.00190723	DOK5	ENSG00000101134
20	52510488	52511110	52510931	24	38	21	1.699883592	0.0204456	DOK5	ENSG00000101134
20	52511544	52512247	52511959	14	31	31	0.958908693	0.566385	DOK5	ENSG00000101134
20	52512568	52513228	52512747	13	29	29	0.958908693	0.564279	DOK5	ENSG00000101134
20	52513327	52513727	52513506	8	16	16	0.958908693	0.548325	DOK5	ENSG00000101134
20	52515004	52515595	52515301	12	29	19	1.43836304	0.0995642	DOK5	ENSG00000101134
20	52515820	52516009	52515914	9	9	8	1.065454103	0.442605	DOK5	ENSG00000101134

20	52516015	52517190	52516286	18	59	61	0.927976155	0.660176	DOK5	ENSG00000101134
20	52517612	52518497	52518324	17	39	38	0.983496095	0.529003	DOK5	ENSG00000101134
20	52519209	52520342	52519827	17	54	43	1.198635866	0.18315	DOK5	ENSG00000101134
20	52521031	52521283	52521157	9	12	12	0.958908693	0.542188	DOK5	ENSG00000101134
20	52521335	52521751	52521593	15	25	13	1.78083043	0.0357618	DOK5	ENSG00000101134
20	52522249	52522477	52522363	11	13	10	1.220429246	0.306001	DOK5	ENSG00000101134
20	52522713	52523099	52522920	11	19	20	0.913246374	0.614587	DOK5	ENSG00000101134
20	52523500	52523712	52523602	11	14	8	1.598181155	0.124586	DOK5	ENSG00000101134
20	52524059	52525213	52524238	19	59	63	0.8989769	0.723606	DOK5	ENSG00000101134
20	52526597	52527065	52526795	12	25	26	0.923393556	0.614269	DOK5	ENSG00000101134
20	52527203	52527690	52527481	13	25	15	1.558226626	0.0760878	DOK5	ENSG00000101134
20	52527905	52528474	52528295	11	25	12	1.917817386	0.0229342	DOK5	ENSG00000101134
20	52528476	52528717	52528609	10	12	18	0.656095422	0.884036	DOK5	ENSG00000101134
20	52529116	52530177	52529827	31	88	57	1.471428857	0.010143	DOK5	ENSG00000101134
20	52531426	52531844	52531605	10	17	23	0.71918152	0.858071	DOK5	ENSG00000101134
20	52532800	52533207	52532976	10	18	21	0.828148417	0.728078	DOK5	ENSG00000101134
20	52533741	52533948	52533827	8	10	9	1.054799562	0.4492	DOK5	ENSG00000101134
20	52534674	52534904	52534781	8	10	11	0.878999635	0.622439	DOK5	ENSG00000101134
20	52535321	52535586	52535414	10	12	10	1.133255728	0.37674	DOK5	ENSG00000101134
20	52535629	52535965	52535797	11	17	26	0.639272462	0.93299	DOK5	ENSG00000101134
20	52536391	52536750	52536570	11	18	15	1.138704073	0.348127	DOK5	ENSG00000101134
20	52537144	52537456	52537300	9	14	21	0.653801382	0.90216	DOK5	ENSG00000101134
20	52537494	52537922	52537743	9	17	16	1.015315087	0.480915	DOK5	ENSG00000101134
20	52539611	52540088	52539950	10	22	25	0.848265382	0.718521	DOK5	ENSG00000101134
20	52540928	52541801	52541124	14	41	28	1.388764314	0.0836658	DOK5	ENSG00000101134
20	52543188	52543673	52543529	12	21	21	0.958908693	0.555026	DOK5	ENSG00000101134
20	52543995	52544580	52544174	13	27	36	0.725660633	0.902101	DOK5	ENSG00000101134
20	52544727	52545024	52544854	8	12	14	0.831054201	0.689281	DOK5	ENSG00000101134
20	52545205	52545545	52545375	10	14	14	0.958908693	0.545362	DOK5	ENSG00000101134
20	52545890	52546268	52546143	8	13	10	1.220429246	0.306001	DOK5	ENSG00000101134
20	52546654	52547558	52547106	11	36	31	1.108738176	0.332755	DOK5	ENSG00000101134
20	52548967	52549152	52549088	8	10	15	0.659249726	0.861705	DOK5	ENSG00000101134
20	52549224	52550081	52549403	14	37	43	0.828148417	0.803892	DOK5	ENSG00000101134
20	52551847	52552092	52551973	8	11	10	1.046082211	0.455063	DOK5	ENSG00000101134

20	52553890	52554594	52554198	16	38	32	1.133255728	0.296541	DOK5	ENSG00000101134
20	52554607	52555377	52555001	11	37	42	0.847407682	0.772406	DOK5	ENSG00000101134
20	52555652	52556396	52556223	13	38	32	1.133255728	0.296541	DOK5	ENSG00000101134
20	52556690	52556984	52556837	9	13	9	1.34247217	0.232231	DOK5	ENSG00000101134
20	52557008	52557240	52557166	9	10	9	1.054799562	0.4492	DOK5	ENSG00000101134
20	52557437	52557637	52557537	9	10	18	0.555157664	0.945639	DOK5	ENSG00000101134
20	52558158	52558476	52558337	10	13	12	1.0326709	0.46514	DOK5	ENSG00000101134
20	52559931	52560110	52560037	8	8	6	1.232882605	0.333038	DOK5	ENSG00000101134
20	52560423	52560887	52560571	8	16	25	0.626978761	0.936688	DOK5	ENSG00000101134
20	52560941	52561630	52561097	11	31	31	0.958908693	0.566385	DOK5	ENSG00000101134
20	52561644	52561998	52561836	8	13	29	0.447490723	0.995358	DOK5	ENSG00000101134
20	52562581	52563099	52562959	9	19	16	1.128127874	0.354788	DOK5	ENSG00000101134
20	52563943	52564619	52564291	14	32	39	0.791099672	0.842107	DOK5	ENSG00000101134
20	52565202	52565551	52565376	10	16	8	1.811271976	0.0663685	DOK5	ENSG00000101134
20	52565580	52565991	52565835	11	18	18	0.958908693	0.551113	DOK5	ENSG00000101134
20	52566335	52566659	52566491	9	13	14	0.894981447	0.618069	DOK5	ENSG00000101134
20	52567876	52568089	52567989	8	9	11	0.799090578	0.702688	DOK5	ENSG00000101134
20	52570757	52571465	52571220	13	35	39	0.863017824	0.740125	DOK5	ENSG00000101134
20	52571609	52572366	52571760	11	34	29	1.118726809	0.324157	DOK5	ENSG00000101134
20	52573988	52574588	52574261	10	28	31	0.869011003	0.708837	DOK5	ENSG00000101134
20	52574604	52575251	52574872	12	28	24	1.112334084	0.346253	DOK5	ENSG00000101134
20	52575681	52575906	52575801	8	10	18	0.555157664	0.945639	DOK5	ENSG00000101134
20	52575962	52576328	52576152	11	16	18	0.857970936	0.678066	DOK5	ENSG00000101134
20	52576355	52576611	52576462	10	10	10	0.958908693	0.538751	DOK5	ENSG00000101134
20	52576967	52577186	52577100	8	10	6	1.506856518	0.188853	DOK5	ENSG00000101134
20	52577197	52577690	52577396	10	20	31	0.62928383	0.953537	DOK5	ENSG00000101134
20	52578337	52578751	52578575	14	23	18	1.211253086	0.262955	DOK5	ENSG00000101134
20	52578855	52579091	52578979	9	11	12	0.885146486	0.620672	DOK5	ENSG00000101134
20	52580779	52581646	52580942	14	40	16	2.312662142	0.00107888	DOK5	ENSG00000101134
20	52582063	52582358	52582210	10	14	23	0.599317933	0.944443	DOK5	ENSG00000101134
20	52582470	52583314	52582678	19	44	36	1.166240302	0.242128	DOK5	ENSG00000101134
20	52583995	52584306	52584150	10	13	13	0.958908693	0.543805	DOK5	ENSG00000101134
20	52585000	52585474	52585295	12	20	13	1.43836304	0.140307	DOK5	ENSG00000101134
20	52585601	52586466	52586148	12	38	32	1.133255728	0.296541	DOK5	ENSG00000101134

20	52586724	52587192	52587013	14	24	14	1.598181155	0.0700275	DOK5	ENSG00000101134
20	52587216	52587784	52587610	13	29	20	1.369869562	0.130203	DOK5	ENSG00000101134
20	52589564	52589807	52589712	11	13	19	0.671236085	0.87814	DOK5	ENSG00000101134
20	52589930	52590200	52590046	9	11	24	0.460276173	0.989595	DOK5	ENSG00000101134
20	52594787	52595090	52594958	8	13	7	1.678090213	0.11195	DOK5	ENSG00000101134
20	52595256	52595535	52595395	11	15	15	0.958908693	0.546868	DOK5	ENSG00000101134
20	52595645	52595867	52595756	8	10	8	1.171999514	0.35773	DOK5	ENSG00000101134
20	52596512	52597766	52596813	16	62	42	1.404912736	0.0408034	DOK5	ENSG00000101134
20	52597782	52598184	52598015	11	17	14	1.150690432	0.340986	DOK5	ENSG00000101134
20	52598754	52599206	52599052	11	20	16	1.184534268	0.298622	DOK5	ENSG00000101134
20	52599728	52600027	52599877	8	12	19	0.62329065	0.912804	DOK5	ENSG00000101134
20	52600401	52600633	52600477	9	10	8	1.171999514	0.35773	DOK5	ENSG00000101134
20	52601021	52601385	52601089	10	16	19	0.815072389	0.734271	DOK5	ENSG00000101134
20	52603906	52604244	52604075	11	17	18	0.908439814	0.615249	DOK5	ENSG00000101134
20	52604278	52604668	52604457	16	25	16	1.466566236	0.10473	DOK5	ENSG00000101134
20	52604908	52605316	52605087	9	18	37	0.479454347	0.996703	DOK5	ENSG00000101134
20	52605546	52605987	52605763	11	20	20	0.958908693	0.553754	DOK5	ENSG00000101134
20	52606104	52606303	52606199	9	10	16	0.620470331	0.897128	DOK5	ENSG00000101134
20	52606373	52606727	52606550	11	16	14	1.086763185	0.404922	DOK5	ENSG00000101134
20	52606970	52607886	52607707	12	34	25	1.290838625	0.158753	DOK5	ENSG00000101134
20	52607966	52608286	52608141	10	13	11	1.118726809	0.38479	DOK5	ENSG00000101134
20	52608894	52609732	52609068	12	35	27	1.232882605	0.200179	DOK5	ENSG00000101134
20	52611111	52611627	52611448	10	24	26	0.887878419	0.666463	DOK5	ENSG00000101134
20	52612656	52613098	52612850	8	18	12	1.401481936	0.168368	DOK5	ENSG00000101134
20	52616047	52616296	52616127	8	11	8	1.278544924	0.28289	DOK5	ENSG00000101134
20	52616325	52616573	52616449	9	12	14	0.831054201	0.689281	DOK5	ENSG00000101134
20	52617545	52617876	52617700	10	13	10	1.220429246	0.306001	DOK5	ENSG00000101134
20	52619210	52619600	52619403	8	17	15	1.07877228	0.410615	DOK5	ENSG00000101134
20	52619817	52620508	52619996	11	27	19	1.34247217	0.153055	DOK5	ENSG00000101134
20	52620881	52621127	52620986	8	10	10	0.958908693	0.538751	DOK5	ENSG00000101134
20	52621196	52621599	52621317	9	17	24	0.690414259	0.888181	DOK5	ENSG00000101134
20	52621784	52622011	52621940	10	12	11	1.038817751	0.460341	DOK5	ENSG00000101134
20	52622841	52623370	52623205	10	22	21	1.002495452	0.4958	DOK5	ENSG00000101134
20	52623683	52624132	52623843	14	22	29	0.735163331	0.869157	DOK5	ENSG00000101134

20	52625137	52625426	52625285	12	15	15	0.958908693	0.546868	DOK5	ENSG00000101134
20	52626389	52626795	52626646	14	21	18	1.110315329	0.366889	DOK5	ENSG00000101134
20	52627460	52628096	52627697	17	33	38	0.835971681	0.778572	DOK5	ENSG00000101134
20	52628298	52628554	52628443	8	11	7	1.43836304	0.204844	DOK5	ENSG00000101134
20	52628567	52628986	52628807	13	21	9	2.109599125	0.0196396	DOK5	ENSG00000101134
20	52630401	52630587	52630494	9	9	6	1.369869562	0.253675	DOK5	ENSG00000101134
20	52635245	52635851	52635412	13	28	28	0.958908693	0.563199	DOK5	ENSG00000101134
20	52636291	52636567	52636436	8	12	13	0.890415215	0.619237	DOK5	ENSG00000101134
20	52636753	52637055	52636904	12	16	20	0.776259418	0.783794	DOK5	ENSG00000101134
20	52637524	52638795	52637881	16	65	47	1.318499453	0.0704199	DOK5	ENSG00000101134
20	52639052	52640008	52639861	12	41	29	1.34247217	0.105846	DOK5	ENSG00000101134
20	52640078	52640344	52640211	8	11	8	1.278544924	0.28289	DOK5	ENSG00000101134
20	52640830	52641035	52640891	8	9	11	0.799090578	0.702688	DOK5	ENSG00000101134
20	52641437	52641846	52641616	13	20	19	1.006854128	0.490315	DOK5	ENSG00000101134
20	52644229	52644482	52644355	9	11	8	1.278544924	0.28289	DOK5	ENSG00000101134
20	52644851	52645059	52644955	8	10	3	2.636998906	0.034203	DOK5	ENSG00000101134
20	52645644	52645948	52645787	9	14	20	0.684934781	0.872628	DOK5	ENSG00000101134
20	52646072	52646831	52646251	9	29	42	0.669006065	0.956612	DOK5	ENSG00000101134
20	52647138	52647785	52647317	12	27	29	0.894981447	0.664076	DOK5	ENSG00000101134
20	52647917	52648633	52648323	10	27	36	0.725660633	0.902101	DOK5	ENSG00000101134
20	52649710	52650086	52649889	10	17	18	0.908439814	0.615249	DOK5	ENSG00000101134
20	52650826	52651407	52651228	14	29	33	0.846095906	0.748756	DOK5	ENSG00000101134
20	52651727	52652492	52652034	14	37	49	0.728770607	0.931004	DOK5	ENSG00000101134
20	52653376	52653915	52653529	14	30	17	1.65145386	0.0409633	DOK5	ENSG00000101134
20	52654156	52654582	52654371	11	20	12	1.54900635	0.101141	DOK5	ENSG00000101134
20	52654614	52654793	52654715	8	8	6	1.232882605	0.333038	DOK5	ENSG00000101134
20	52655133	52655500	52655312	11	18	19	0.910963258	0.614871	DOK5	ENSG00000101134
20	52655574	52655765	52655669	8	9	9	0.958908693	0.536911	DOK5	ENSG00000101134
20	52656615	52656922	52656768	11	16	12	1.253957522	0.265012	DOK5	ENSG00000101134
20	52657123	52657647	52657332	9	18	24	0.728770607	0.85379	DOK5	ENSG00000101134
20	52658821	52659248	52658988	10	17	15	1.07877228	0.410615	DOK5	ENSG00000101134
20	52660067	52660608	52660429	11	24	22	1.042292058	0.441692	DOK5	ENSG00000101134
20	52660732	52661214	52660911	12	22	19	1.102744997	0.372416	DOK5	ENSG00000101134
20	52661603	52662000	52661845	12	20	15	1.25856766	0.240048	DOK5	ENSG00000101134

20	52662125	52662772	52662429	11	31	35	0.852363283	0.745543	DOK5	ENSG00000101134
20	52662993	52663297	52663145	11	15	18	0.807502057	0.737835	DOK5	ENSG00000101134
20	52663355	52663797	52663534	9	17	10	1.569123316	0.112309	DOK5	ENSG00000101134
20	52664052	52664483	52664304	13	23	20	1.095895649	0.377643	DOK5	ENSG00000101134
20	52665764	52666725	52666225	16	42	23	1.718044742	0.0145358	DOK5	ENSG00000101134
20	52668051	52668330	52668226	9	13	10	1.220429246	0.306001	DOK5	ENSG00000101134
20	52669060	52669624	52669352	13	28	27	0.993155432	0.509675	DOK5	ENSG00000101134
20	52672064	52672304	52672193	11	12	7	1.558226626	0.152813	DOK5	ENSG00000101134
20	52672354	52673249	52672626	12	42	51	0.792943727	0.871177	DOK5	ENSG00000101134
20	52673254	52673507	52673366	8	11	11	0.958908693	0.540507	DOK5	ENSG00000101134
20	52673814	52674204	52673960	8	13	13	0.958908693	0.543805	DOK5	ENSG00000101134
20	52674377	52675701	52674556	14	70	73	0.920034016	0.692183	DOK5	ENSG00000101134
20	52675755	52676486	52675997	18	44	27	1.541103257	0.0334126	DOK5	ENSG00000101134
20	52677313	52678214	52677427	13	42	34	1.178087823	0.23361	DOK5	ENSG00000101134
20	52678335	52678758	52678579	9	16	9	1.630144778	0.102169	DOK5	ENSG00000101134
20	52678862	52679250	52679120	8	15	20	0.730597099	0.831283	DOK5	ENSG00000101134
20	52679641	52680104	52679846	10	21	30	0.680515847	0.919368	DOK5	ENSG00000101134
20	52681109	52681308	52681213	8	10	7	1.318499453	0.269217	DOK5	ENSG00000101134
20	52681850	52682269	52681993	8	16	11	1.358453982	0.20248	DOK5	ENSG00000101134
20	52682342	52682761	52682631	11	18	19	0.910963258	0.614871	DOK5	ENSG00000101134
20	52682890	52683311	52683063	9	17	14	1.150690432	0.340986	DOK5	ENSG00000101134
20	52683387	52683924	52683566	9	22	34	0.630139998	0.960074	DOK5	ENSG00000101134
20	52683988	52684380	52684167	8	15	14	1.022835939	0.473606	DOK5	ENSG00000101134
20	52685540	52685844	52685622	8	12	11	1.038817751	0.460341	DOK5	ENSG00000101134
20	52686457	52686941	52686673	10	22	24	0.882195998	0.668517	DOK5	ENSG00000101134
20	52687188	52687516	52687352	13	18	25	0.700740968	0.883987	DOK5	ENSG00000101134
20	52688214	52688596	52688378	9	16	26	0.603757325	0.952213	DOK5	ENSG00000101134
20	52688911	52689357	52689194	11	18	14	1.214617678	0.282961	DOK5	ENSG00000101134
20	52689403	52689731	52689563	8	12	15	0.779113313	0.750998	DOK5	ENSG00000101134
20	52689759	52690729	52690054	16	52	45	1.104829581	0.308995	DOK5	ENSG00000101134
20	52691780	52692454	52692123	14	36	22	1.542592245	0.0476873	DOK5	ENSG00000101134
20	52692684	52692941	52692766	11	14	17	0.799090578	0.74177	DOK5	ENSG00000101134
20	52692950	52693231	52693090	9	13	19	0.671236085	0.87814	DOK5	ENSG00000101134
20	52693351	52694250	52693767	9	33	44	0.72450879	0.923905	DOK5	ENSG00000101134

20	52695412	52696400	52695555	13	40	30	1.268234078	0.156183	DOK5	ENSG00000101134
20	52696556	52697272	52696974	27	52	57	0.876244151	0.757085	DOK5	ENSG00000101134
20	52697538	52698062	52697883	20	34	37	0.883205375	0.70257	DOK5	ENSG00000101134
20	52698092	52700688	52698887	57	241	175	1.318499453	0.00247285	DOK5	ENSG00000101134
20	52701124	52702215	52701301	12	44	56	0.757033179	0.92008	DOK5	ENSG00000101134
20	52702770	52702971	52702870	8	8	10	0.784561658	0.708731	DOK5	ENSG00000101134
20	52703395	52704755	52704576	16	64	49	1.246581301	0.11865	DOK5	ENSG00000101134
20	52705655	52705873	52705825	8	11	9	1.150690432	0.367789	DOK5	ENSG00000101134
20	52705993	52706191	52706077	8	9	7	1.198635866	0.346278	DOK5	ENSG00000101134
20	52707175	52707391	52707267	9	11	24	0.460276173	0.989595	DOK5	ENSG00000101134
20	52707637	52708073	52707903	8	16	11	1.358453982	0.20248	DOK5	ENSG00000101134
20	52708701	52709190	52708861	11	20	37	0.529923225	0.991908	DOK5	ENSG00000101134
20	52709497	52709983	52709804	12	23	25	0.885146486	0.667437	DOK5	ENSG00000101134
20	52710539	52710920	52710687	9	14	12	1.106433107	0.392094	DOK5	ENSG00000101134
20	52711594	52712112	52711794	14	26	25	0.995789797	0.505405	DOK5	ENSG00000101134
20	52712229	52712905	52712408	11	32	41	0.753428259	0.890129	DOK5	ENSG00000101134
20	52713034	52713375	52713204	10	14	20	0.684934781	0.872628	DOK5	ENSG00000101134
20	52713618	52714018	52713797	10	18	24	0.728770607	0.85379	DOK5	ENSG00000101134
20	52714747	52715304	52715011	15	30	15	1.857885593	0.0184859	DOK5	ENSG00000101134
20	52715572	52716328	52715962	12	32	32	0.958908693	0.567412	DOK5	ENSG00000101134
20	52716925	52717294	52717104	12	20	16	1.184534268	0.298622	DOK5	ENSG00000101134
20	52717867	52719281	52718787	41	118	98	1.152627621	0.147089		ENSG00000210815
20	52719817	52720084	52719973	9	11	12	0.885146486	0.620672		ENSG00000210815
20	52720372	52720632	52720510	8	10	4	2.109599125	0.0694668		ENSG00000210815
20	52720814	52721440	52721223	18	35	33	1.015315087	0.473842		ENSG00000210815
20	52721571	52722004	52721745	9	15	20	0.730597099	0.831283		ENSG00000210815
20	52722807	52723229	52722972	9	17	15	1.07877228	0.410615		ENSG00000210815
20	52723401	52724113	52723792	17	39	31	1.198635866	0.220022		ENSG00000210815
20	52724883	52725267	52725164	10	19	34	0.547947825	0.986287		ENSG00000210815
20	52726513	52726968	52726728	8	17	18	0.908439814	0.615249		ENSG00000210815
20	52727099	52727490	52727254	9	16	16	0.958908693	0.548325		ENSG00000210815
20	52727643	52728158	52727822	14	28	20	1.324207243	0.159584		ENSG00000210815
20	52730036	52732725	52731002	40	171	122	1.340912969	0.00613082		ENSG00000210815
20	52732843	52733335	52733019	9	17	31	0.53938614	0.984501		ENSG00000210815

20	52733377	52733977	52733736	13	27	32	0.813619497	0.790473	ENSG00000210815
20	52734063	52735689	52734595	121	273	61	4.237757773	9.33E-32	ENSG00000210815
20	52735752	52736162	52735983	10	16	22	0.708758599	0.862621	ENSG00000210815
20	52736415	52736742	52736575	18	21	19	1.054799562	0.429896	ENSG00000210815
20	52736797	52737089	52736943	11	15	12	1.180195315	0.324974	ENSG00000210815
20	52738474	52738732	52738593	8	10	11	0.878999635	0.622439	ENSG00000210815
20	52740821	52741633	52741368	10	31	36	0.829326437	0.782137	ENSG00000210815
20	52741766	52742219	52741945	15	25	14	1.662108401	0.053254	ENSG00000210815
20	52742247	52742614	52742426	15	22	19	1.102744997	0.372416	ENSG00000210815
20	52743160	52743850	52743447	11	27	33	0.789689512	0.82438	ENSG00000210815
20	52743933	52744226	52744080	9	13	11	1.118726809	0.38479	ENSG00000210815
20	52744495	52744946	52744661	12	19	14	1.278544924	0.231514	ENSG00000210815
20	52745360	52745693	52745526	9	13	16	0.789689512	0.746135	ENSG00000210815
20	52745699	52746019	52745856	16	20	22	0.875525328	0.671044	ENSG00000210815
20	52747101	52747546	52747323	17	26	18	1.362659722	0.14632	ENSG00000210815
20	52747922	52748219	52748073	12	15	9	1.534253909	0.136498	ENSG00000210815
20	52748222	52748471	52748346	10	13	21	0.610214623	0.930478	ENSG00000210815
20	52748524	52748908	52748694	11	16	16	0.958908693	0.548325	ENSG00000210815
20	52749101	52750226	52749699	13	54	60	0.864589805	0.783671	ENSG00000210815
20	52750784	52751095	52750933	15	18	18	0.958908693	0.551113	ENSG00000210815
20	52752040	52752238	52752131	8	9	11	0.799090578	0.702688	ENSG00000210815
20	52753012	52753795	52753252	14	40	30	1.268234078	0.156183	ENSG00000210815
20	52754083	52754536	52754262	10	21	20	1.004571012	0.493124	ENSG00000210815
20	52755849	52756044	52755963	8	10	7	1.318499453	0.269217	ENSG00000210815
20	52756104	52756485	52756370	10	16	17	0.905635988	0.615736	ENSG00000210815
20	52756541	52756732	52756636	9	11	10	1.046082211	0.455063	ENSG00000210815
20	52756820	52757456	52757277	10	26	26	0.958908693	0.560979	ENSG00000210815
20	52759021	52759483	52759289	9	17	21	0.784561658	0.779771	ENSG00000210815
20	52760651	52761210	52760946	11	24	26	0.887878419	0.666463	ENSG00000210815
20	52761598	52761910	52761754	12	15	12	1.180195315	0.324974	ENSG00000210815
20	52762020	52763035	52762527	12	48	41	1.118726809	0.295257	ENSG00000210815
20	52763650	52764144	52763890	8	19	28	0.66131634	0.92595	ENSG00000210815
20	52764469	52764670	52764541	8	8	4	1.726035648	0.150596	ENSG00000210815
20	52764749	52765099	52764883	13	17	20	0.821921737	0.731032	ENSG00000210815

20	52765225	52765555	52765387	10	12	17	0.692545167	0.848017	ENSG00000210815
20	52765942	52766152	52766015	10	10	10	0.958908693	0.538751	ENSG00000210815
20	52766313	52767094	52766831	11	35	36	0.932992242	0.616517	ENSG00000210815
20	52767461	52768423	52767607	13	44	40	1.052460761	0.40533	ENSG00000210815
20	52770379	52770718	52770548	9	14	10	1.307602763	0.244096	ENSG00000210815
20	52771203	52771563	52771450	10	15	24	0.613701564	0.940506	ENSG00000210815
20	52771588	52772202	52771802	17	39	33	1.128127874	0.300803	ENSG00000210815
20	52773080	52773421	52773253	14	19	9	1.917817386	0.0394029	ENSG00000210815
20	52775990	52776270	52776118	14	16	9	1.630144778	0.102169	ENSG00000210815
20	52776597	52777676	52776856	24	81	53	1.456120608	0.0148572	ENSG00000210815
20	52778405	52778698	52778577	9	12	6	1.78083043	0.0985525	ENSG00000210815
20	52779085	52779268	52779219	8	9	18	0.504688786	0.965748	ENSG00000210815
20	52779514	52779710	52779587	8	9	13	0.684934781	0.824961	ENSG00000210815
20	52782568	52782821	52782649	9	11	14	0.767126954	0.756447	ENSG00000210815
20	52783013	52783434	52783190	12	19	12	1.475244143	0.131365	ENSG00000210815
20	52783513	52783889	52783710	8	14	24	0.575345216	0.958881	ENSG00000210815
20	52784532	52785895	52785718	13	57	44	1.23592676	0.141006	ENSG00000210815
20	52786249	52786726	52786481	9	18	2	6.073088389	0.000157975	ENSG00000210815
20	52787039	52787294	52787211	10	13	9	1.34247217	0.232231	ENSG00000210815
20	52789548	52789968	52789711	9	16	17	0.905635988	0.615736	ENSG00000210815
20	52790485	52790832	52790658	15	20	20	0.958908693	0.553754	ENSG00000210815
20	52790990	52791174	52791088	9	10	17	0.585999757	0.924668	ENSG00000210815
20	52795687	52796102	52795866	12	21	12	1.622768557	0.076896	ENSG00000210815
20	52796580	52797715	52796911	11	46	36	1.218073205	0.182357	ENSG00000210815
20	52799833	52800032	52799974	10	11	10	1.046082211	0.455063	ENSG00000210815
20	52800035	52800643	52800214	9	24	22	1.042292058	0.441692	ENSG00000210815
20	52801021	52801372	52801196	9	14	22	0.625375235	0.925815	ENSG00000210815
20	52802188	52802431	52802309	8	10	15	0.659249726	0.861705	ENSG00000210815
20	52802465	52802702	52802600	9	10	9	1.054799562	0.4492	ENSG00000210815
20	52808029	52808284	52808141	9	10	11	0.878999635	0.622439	ENSG00000210815
20	52808579	52808906	52808742	9	12	14	0.831054201	0.689281	ENSG00000210815
20	52809002	52809280	52809141	8	11	17	0.639272462	0.890352	ENSG00000210815
20	52809324	52809712	52809554	10	17	33	0.507657543	0.991914	ENSG00000210815
20	52813393	52813618	52813571	9	13	9	1.34247217	0.232231	ENSG00000210815

20	52813811	52814036	52813910	9	11	13	0.821921737	0.693119	ENSG00000210815
20	52815461	52815835	52815703	16	22	16	1.297347055	0.203559	ENSG00000210815
20	52815973	52816215	52816094	8	10	9	1.054799562	0.4492	ENSG00000210815
20	52816770	52817425	52817074	8	20	21	0.915321934	0.614384	ENSG00000210815
20	52819035	52819259	52819148	8	10	8	1.171999514	0.35773	ENSG00000210815
20	52819712	52820332	52820034	12	29	31	0.8989769	0.662851	ENSG00000210815
20	52821962	52822245	52822105	13	16	16	0.958908693	0.548325	ENSG00000210815
20	52823539	52823780	52823664	11	14	4	2.876726079	0.01219	ENSG00000210815
20	52824479	52824741	52824636	12	14	12	1.106433107	0.392094	ENSG00000210815
20	52824912	52825129	52825040	9	13	5	2.237453617	0.038866	ENSG00000210815
20	52825360	52825800	52825651	11	18	8	2.024362796	0.0334397	ENSG00000210815
20	52826827	52827033	52826930	8	9	17	0.532727052	0.951077	ENSG00000210815
20	52827782	52828168	52827961	10	17	21	0.784561658	0.779771	ENSG00000210815
20	52828297	52828642	52828469	8	14	16	0.846095906	0.68298	ENSG00000210815
20	52828665	52829430	52829049	17	40	38	1.008083498	0.484943	ENSG00000210815
20	52829470	52829720	52829605	8	10	16	0.620470331	0.897128	ENSG00000210815
20	52830624	52830932	52830759	11	13	12	1.0326709	0.46514	ENSG00000210815
20	52839009	52839259	52839116	10	10	12	0.811384279	0.697544	ENSG00000210815
20	52842301	52842605	52842433	9	14	15	0.8989769	0.617119	ENSG00000210815
20	52843320	52844017	52843621	12	32	21	1.43836304	0.089235	ENSG00000210815
20	52845221	52845493	52845357	11	13	12	1.0326709	0.46514	ENSG00000210815
20	52847022	52847483	52847304	8	17	23	0.71918152	0.858071	ENSG00000210815
20	52847595	52847878	52847736	9	13	7	1.678090213	0.11195	ENSG00000210815
20	52849895	52850911	52850505	17	49	33	1.410159843	0.0583372	ENSG00000210815
20	52851527	52851722	52851585	8	8	12	0.663859864	0.833689	ENSG00000210815
20	52852061	52852600	52852421	9	21	19	1.054799562	0.429896	ENSG00000210815
20	52853626	52853972	52853799	9	15	7	1.917817386	0.0572317	ENSG00000210815
20	52854009	52855397	52854660	13	64	61	1.005307501	0.487571	ENSG00000210815
20	52855891	52856395	52856139	8	20	23	0.839045106	0.722898	ENSG00000210815
20	52856403	52856940	52856582	11	24	22	1.042292058	0.441692	ENSG00000210815
20	52857713	52857948	52857832	8	11	10	1.046082211	0.455063	ENSG00000210815
20	52858033	52858732	52858212	13	35	29	1.150690432	0.282944	ENSG00000210815
20	52858878	52859343	52859040	9	16	13	1.164389127	0.333296	ENSG00000210815
20	52859825	52860329	52859974	15	27	13	1.917817386	0.0192196	ENSG00000210815

20	52860353	52860594	52860460	11	11	9	1.150690432	0.367789	ENSG00000210815
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20	52871411	52871721	52871575	10	14	13	1.027402171	0.469541	ENSG00000210815
20	52872114	52872411	52872262	9	12	11	1.038817751	0.460341	ENSG00000210815
20	52872755	52873539	52873091	11	32	31	0.98887459	0.517406	ENSG00000210815
20	52874032	52874316	52874197	9	11	5	1.917817386	0.0843804	ENSG00000210815
20	52875257	52875619	52875451	8	13	14	0.894981447	0.618069	ENSG00000210815
20	52875686	52876621	52876359	14	44	34	1.232882605	0.173963	ENSG00000210815
20	52878274	52879064	52878601	14	37	19	1.821926517	0.0124355	ENSG00000210815
20	52879132	52879900	52879311	11	29	25	1.106433107	0.351025	ENSG00000210815
20	52880844	52881077	52880960	8	12	12	0.958908693	0.542188	ENSG00000210815
20	52881662	52882209	52882038	11	21	23	0.878999635	0.669714	ENSG00000210815
20	52882387	52882794	52882537	12	19	21	0.871735176	0.672523	ENSG00000210815
20	52884755	52885403	52885035	10	26	24	1.035621389	0.448641	ENSG00000210815
20	52886147	52886965	52886576	12	37	44	0.809745119	0.832265	ENSG00000210815
20	52887076	52887954	52887644	14	42	43	0.937115314	0.618997	ENSG00000210815
20	52888339	52888774	52888518	8	17	12	1.327719729	0.212795	ENSG00000210815
20	52889112	52889403	52889257	8	12	19	0.62329065	0.912804	ENSG00000210815
20	52889597	52890065	52889749	10	21	17	1.171999514	0.305749	ENSG00000210815
20	52890548	52891258	52890965	11	31	24	1.227403127	0.218358	ENSG00000210815
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20	52894664	52895041	52894843	14	21	12	1.622768557	0.076896	ENSG00000210815
20	52895473	52896682	52896167	10	43	36	1.140323851	0.276185	ENSG00000210815
20	52896794	52897062	52896965	11	15	13	1.095895649	0.398774	ENSG00000210815
20	52897929	52898758	52898108	14	36	22	1.542592245	0.0476873	ENSG00000210815
20	52898955	52899170	52899018	10	12	20	0.593610143	0.935335	ENSG00000210815
20	52899753	52900264	52899926	10	20	23	0.839045106	0.722898	ENSG00000210815
20	52901536	52902587	52901715	12	45	58	0.747623727	0.931837	ENSG00000210815
20	52903104	52903799	52903331	10	29	29	0.958908693	0.564279	ENSG00000210815
20	52903978	52904233	52904091	9	11	10	1.046082211	0.455063	ENSG00000210815
20	52905675	52906174	52906029	11	22	18	1.160784207	0.312473	ENSG00000210815

20	52906185	52906444	52906272	9	13	13	0.958908693	0.543805	ENSG00000210815
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20	52907009	52907311	52907132	11	15	19	0.767126954	0.788167	ENSG00000210815
20	52908016	52908688	52908195	13	32	26	1.171999514	0.267953	ENSG00000210815
20	52908943	52909169	52909056	8	8	11	0.71918152	0.777546	ENSG00000210815
20	52910267	52911719	52910593	13	65	62	1.004571012	0.489146	ENSG00000210815
20	52911984	52912730	52912416	20	44	34	1.232882605	0.173963	ENSG00000210815
20	52912740	52913927	52912946	16	49	52	0.904630843	0.694698	ENSG00000210815
20	52914748	52915111	52914970	8	14	25	0.553216554	0.969907	ENSG00000210815
20	52916756	52917052	52916904	11	15	9	1.534253909	0.136498	ENSG00000210815
20	52919271	52920023	52919788	9	29	39	0.71918152	0.916072	ENSG00000210815
20	52922478	52922694	52922586	8	11	14	0.767126954	0.756447	ENSG00000210815
20	52922722	52923051	52922802	13	18	16	1.07172148	0.415914	ENSG00000210815
20	52923749	52923966	52923857	8	9	4	1.917817386	0.103282	ENSG00000210815
20	52925132	52925566	52925311	13	21	9	2.109599125	0.0196396	ENSG00000210815
20	52926640	52927178	52926888	12	28	18	1.463597479	0.0938263	ENSG00000210815
20	52927803	52928084	52927937	9	13	8	1.491635745	0.166708	ENSG00000210815
20	52928551	52928770	52928660	9	12	12	0.958908693	0.542188	ENSG00000210815
20	52929027	52929668	52929511	11	27	27	0.958908693	0.562099	ENSG00000210815
20	52930308	52930642	52930475	11	17	26	0.639272462	0.93299	ENSG00000210815
20	52931348	52932079	52931730	13	30	28	1.025040327	0.460877	ENSG00000210815
20	52937203	52937435	52937319	8	10	15	0.659249726	0.861705	ENSG00000210815
20	52937951	52938198	52938074	9	12	8	1.385090334	0.219216	ENSG00000210815
20	52938363	52938734	52938511	11	18	11	1.518272097	0.122037	ENSG00000210815
20	52938781	52939559	52939099	12	35	47	0.71918152	0.934421	ENSG00000210815
20	52940214	52940560	52940531	8	13	19	0.671236085	0.87814	ENSG00000210815
20	52940875	52941079	52940968	9	11	11	0.958908693	0.540507	ENSG00000210815
20	52941215	52941620	52941374	9	16	12	1.253957522	0.265012	ENSG00000210815
20	52942123	52942859	52942609	16	40	22	1.709358975	0.0172316	ENSG00000210815
20	52943279	52943624	52943451	9	15	9	1.534253909	0.136498	ENSG00000210815
20	52945115	52945355	52945188	10	11	19	0.575345216	0.94039	ENSG00000210815
20	52945551	52945883	52945730	9	12	11	1.038817751	0.460341	ENSG00000210815
20	52946165	52946501	52946357	8	12	8	1.385090334	0.219216	ENSG00000210815
20	52947396	52947654	52947519	8	10	11	0.878999635	0.622439	ENSG00000210815

20	52947779	52948203	52948024	9	18	13	1.301376083	0.22245	ENSG00000210815
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20	52949112	52949693	52949402	27	45	18	2.321568415	0.00056079	ENSG00000210815
20	52961359	52961619	52961489	10	12	18	0.656095422	0.884036	ENSG00000210815
20	52961761	52962096	52961923	9	14	16	0.846095906	0.68298	ENSG00000210815
20	52962747	52962983	52962879	9	12	8	1.385090334	0.219216	ENSG00000210815
20	52963225	52963453	52963339	11	13	12	1.0326709	0.46514	ENSG00000210815
20	52963546	52964651	52964233	48	119	27	4.109608685	1.18E-14	ENSG00000210815
20	52964845	52965344	52965024	9	21	19	1.054799562	0.429896	ENSG00000210815
20	52965420	52965711	52965546	12	16	18	0.857970936	0.678066	ENSG00000210815
20	52965791	52966024	52965907	8	9	10	0.871735176	0.624623	ENSG00000210815
20	52967421	52968113	52967745	15	33	11	2.716907964	0.000672572	ENSG00000210815
20	52969688	52970046	52969867	11	17	24	0.690414259	0.888181	ENSG00000210815
20	52970052	52970331	52970204	10	14	15	0.8989769	0.617119	ENSG00000210815
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20	52971219	52971738	52971596	10	20	24	0.805483302	0.769433	ENSG00000210815
20	52971809	52972254	52972104	12	23	18	1.211253086	0.262955	ENSG00000210815
20	52972537	52972891	52972714	11	17	22	0.750450282	0.822065	ENSG00000210815
20	52973471	52973791	52973621	12	16	17	0.905635988	0.615736	ENSG00000210815
20	52973873	52974328	52974100	11	24	18	1.261721965	0.218718	ENSG00000210815
20	52975026	52975511	52975339	15	24	21	1.089668969	0.382599	ENSG00000210815
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20	52977849	52978173	52978011	9	14	6	2.054804342	0.0480281	ENSG00000210815
20	52978710	52978981	52978865	11	11	6	1.643843474	0.137712	ENSG00000210815
20	52980690	52981437	52980940	10	33	31	1.018840486	0.468915	ENSG00000210815
20	52984953	52985293	52985060	9	14	5	2.397271733	0.0258078	ENSG00000210815
20	52985314	52986217	52985765	15	44	26	1.598181155	0.0244786	ENSG00000210815
20	52986258	52986629	52986450	11	17	16	1.015315087	0.480915	ENSG00000210815
20	52987376	52987611	52987545	13	16	15	1.018840486	0.477384	ENSG00000210815
20	52987644	52987862	52987724	8	12	19	0.62329065	0.912804	ENSG00000210815
20	52987888	52988148	52987999	8	11	13	0.821921737	0.693119	ENSG00000210815
20	52988471	52988913	52988737	14	23	24	0.920552345	0.614165	ENSG00000210815
20	52988966	52989959	52989364	13	44	40	1.052460761	0.40533	ENSG00000210815
20	52990119	52990425	52990262	10	13	10	1.220429246	0.306001	ENSG00000210815

20	53465662	53465885	53465773	11	12	2	4.155271003	0.0046638		ENSG00000185834
20	53536469	53536682	53536563	8	9	2	3.19636231	0.0229249		ENSG00000185834
20	53585421	53587757	53585776	15	112	98	1.094511943	0.255006	CBLN4	ENSG00000054803
20	53587962	53588334	53588155	13	19	15	1.198635866	0.291044	CBLN4	ENSG00000054803
20	53588391	53588576	53588495	9	9	11	0.799090578	0.702688	CBLN4	ENSG00000054803
20	53589104	53589845	53589744	12	34	29	1.118726809	0.324157	CBLN4	ENSG00000054803
20	53590021	53590284	53590157	9	10	14	0.703199708	0.817173	CBLN4	ENSG00000054803
20	53590919	53591289	53591110	11	18	20	0.867584056	0.67417	CBLN4	ENSG00000054803
20	53592638	53593479	53593060	11	35	36	0.932992242	0.616517	CBLN4	ENSG00000054803
20	53594000	53594513	53594338	12	24	11	1.997726444	0.0196649	CBLN4	ENSG00000054803
20	53605554	53605752	53605675	8	8	3	2.157544559	0.0836802	CBLN4	ENSG00000054803
20	53748661	53748908	53748739	8	11	3	2.876726079	0.0213797	CBLN4	ENSG00000054803
20	54179559	54179825	54179673	9	12	2	4.155271003	0.0046638		ENSG00000209086
20	54256509	54256792	54256650	8	13	8	1.491635745	0.166708	MC3R	ENSG00000124089
20	54333744	54334089	54333916	18	23	3	5.753452158	3.82E-05	C20orf108	ENSG00000124098
20	54368031	54368419	54368240	18	27	7	3.356180426	0.000396559	C20orf108	ENSG00000124098
20	54400838	54401105	54400935	12	15	6	2.191791298	0.0328001	CSTF1	ENSG00000101138
20	54408557	54408838	54408697	11	15	4	3.068507818	0.0076507	CSTF1	ENSG00000101138
20	54477025	54477314	54477173	9	11	6	1.643843474	0.137712	C20orf43	ENSG00000022277
20	54524306	54524488	54524397	8	8	7	1.07877228	0.435076		ENSG00000179467
20	54559170	54559382	54559274	9	10	5	1.757999271	0.121253	C20orf107	ENSG00000213714
20	54563327	54563799	54563506	19	29	7	3.595907599	0.000155266	C20orf107	ENSG00000213714
20	54574774	54574978	54574914	8	9	2	3.19636231	0.0229249	C20orf107	ENSG00000213714
20	54575054	54575576	54575233	14	30	8	3.302907721	0.000239229	C20orf107	ENSG00000213714
20	54585827	54586035	54585953	8	8	1	4.315089119	0.0127267		ENSG00000219489
20	54615034	54615364	54615199	10	14	5	2.397271733	0.0258078		ENSG00000210831
20	54635017	54635264	54635166	8	12	2	4.155271003	0.0046638	TFAP2C	ENSG00000087510
20	54638467	54638741	54638573	11	16	5	2.716907964	0.0109645	TFAP2C	ENSG00000087510
20	54698850	54699056	54698994	8	10	4	2.109599125	0.0694668		ENSG00000210843
20	54725408	54725695	54725551	12	16	2	5.433815927	0.000499302		ENSG00000221416
20	54743870	54744132	54744001	8	10	3	2.636998906	0.034203		ENSG00000221416
20	54760836	54761143	54760986	9	11	10	1.046082211	0.455063		ENSG00000207158
20	54796077	54796298	54796251	8	11	4	2.301380863	0.0459276		ENSG00000207158
20	54810897	54811113	54811005	8	9	7	1.198635866	0.346278		ENSG00000207158

20	54812930	54813274	54813012	19	24	6	3.424673904	0.000656885		ENSG00000207158
20	54817156	54817568	54817416	25	31	9	3.068507818	0.000350883		ENSG00000207158
20	54838012	54838191	54838101	8	8	6	1.232882605	0.333038		ENSG00000207158
20	54898534	54898916	54898737	9	15	4	3.068507818	0.0076507		ENSG00000207158
20	54961341	54961520	54961430	8	8	4	1.726035648	0.150596		ENSG00000207158
20	54982903	54983121	54983012	8	10	4	2.109599125	0.0694668		ENSG00000207158
20	54983222	54983623	54983357	9	15	10	1.394776281	0.191426		ENSG00000207158
20	55064020	55064210	55064085	9	9	1	4.794543465	0.00708517	BMP7	ENSG00000101144
20	55100699	55100949	55100824	8	11	1	5.753452158	0.00215302	BMP7	ENSG00000101144
20	55108955	55109780	55109444	15	48	43	1.06787559	0.374775	BMP7	ENSG00000101144
20	55110053	55110767	55110232	18	40	43	0.893528555	0.698423	BMP7	ENSG00000101144
20	55110900	55111196	55111048	10	15	24	0.613701564	0.940506	BMP7	ENSG00000101144
20	55111270	55112035	55111678	15	48	58	0.796381796	0.881807	BMP7	ENSG00000101144
20	55112572	55113490	55112778	15	52	50	0.996512956	0.506585	BMP7	ENSG00000101144
20	55113580	55115366	55115187	17	102	94	1.039658899	0.391641	BMP7	ENSG00000101144
20	55115368	55115826	55115547	9	20	39	0.503427064	0.995762	BMP7	ENSG00000101144
20	55115921	55116236	55116061	11	14	31	0.44948845	0.996243	BMP7	ENSG00000101144
20	55116341	55117095	55116704	12	35	49	0.690414259	0.956741	BMP7	ENSG00000101144
20	55117148	55117800	55117420	14	34	46	0.714080942	0.936181	BMP7	ENSG00000101144
20	55117826	55118768	55118080	14	45	69	0.630139998	0.993232	BMP7	ENSG00000101144
20	55119095	55119513	55119258	13	21	16	1.240940662	0.248103	BMP7	ENSG00000101144
20	55119584	55119812	55119655	8	11	22	0.500300188	0.978352	BMP7	ENSG00000101144
20	55119838	55120148	55119979	9	14	29	0.479454347	0.992203	BMP7	ENSG00000101144
20	55120268	55120478	55120388	10	11	20	0.547947825	0.956941	BMP7	ENSG00000101144
20	55120524	55121602	55121193	21	66	56	1.127138288	0.251885	BMP7	ENSG00000101144
20	55121628	55121911	55121771	8	12	12	0.958908693	0.542188	BMP7	ENSG00000101144
20	55121923	55122588	55122340	11	33	37	0.857970936	0.742682	BMP7	ENSG00000101144
20	55122595	55123799	55123637	12	51	78	0.631180406	0.995526	BMP7	ENSG00000101144
20	55123830	55124014	55123940	8	9	21	0.435867588	0.989097	BMP7	ENSG00000101144
20	55124124	55124812	55124324	13	33	44	0.72450879	0.923905	BMP7	ENSG00000101144
20	55124856	55126095	55125921	15	63	66	0.915972483	0.692382	BMP7	ENSG00000101144
20	55126782	55127132	55126956	13	17	14	1.150690432	0.340986	BMP7	ENSG00000101144
20	55127343	55130233	55129988	16	132	171	0.741481722	0.995405	BMP7	ENSG00000101144
20	55130673	55132901	55132074	22	131	115	1.091171961	0.245671	BMP7	ENSG00000101144

20	55132904	55133626	55133114	21	47	39	1.150690432	0.254182	BMP7	ENSG00000101144
20	55133726	55134909	55134730	13	60	64	0.899898927	0.723267	BMP7	ENSG00000101144
20	55134936	55137400	55135339	50	190	139	1.308225431	0.00751089	BMP7	ENSG00000101144
20	55137487	55138072	55137794	17	31	28	1.058106144	0.411497	BMP7	ENSG00000101144
20	55138351	55139669	55139448	17	63	69	0.876716519	0.777089	BMP7	ENSG00000101144
20	55139708	55140111	55139950	9	16	25	0.626978761	0.936688	BMP7	ENSG00000101144
20	55140209	55142907	55142513	19	171	143	1.145363161	0.113926	BMP7	ENSG00000101144
20	55143065	55143649	55143470	12	29	55	0.513701086	0.998787	BMP7	ENSG00000101144
20	55143719	55145700	55145047	17	105	119	0.847036012	0.894031	BMP7	ENSG00000101144
20	55146067	55147553	55147164	17	83	65	1.220429246	0.111339	BMP7	ENSG00000101144
20	55147917	55149028	55148285	20	71	65	1.046082211	0.394951	BMP7	ENSG00000101144
20	55149032	55152652	55150424	20	183	217	0.809354126	0.982943	BMP7	ENSG00000101144
20	55152655	55153275	55152939	11	30	34	0.849319128	0.747103	BMP7	ENSG00000101144
20	55153600	55153994	55153779	9	19	19	0.958908693	0.552451	BMP7	ENSG00000101144
20	55154061	55155789	55155498	12	73	98	0.716760033	0.985511	BMP7	ENSG00000101144
20	55155809	55156854	55156270	13	49	85	0.557505054	0.999608	BMP7	ENSG00000101144
20	55156859	55159449	55157152	21	154	129	1.143314211	0.129148	BMP7	ENSG00000101144
20	55159809	55160102	55159955	8	12	20	0.593610143	0.935335	BMP7	ENSG00000101144
20	55160112	55160550	55160354	9	18	34	0.520550433	0.990954	BMP7	ENSG00000101144
20	55160568	55160881	55160745	8	12	13	0.890415215	0.619237	BMP7	ENSG00000101144
20	55161073	55161377	55161227	13	17	21	0.784561658	0.779771	BMP7	ENSG00000101144
20	55161479	55164188	55163983	18	146	157	0.892149227	0.840582	BMP7	ENSG00000101144
20	55164203	55164408	55164299	8	10	19	0.527399781	0.961307	BMP7	ENSG00000101144
20	55164410	55165592	55165415	15	61	72	0.814415602	0.883642	BMP7	ENSG00000101144
20	55165622	55166296	55166111	17	42	38	1.057258303	0.399466	BMP7	ENSG00000101144
20	55166531	55169326	55167302	21	173	167	0.993155432	0.525044	BMP7	ENSG00000101144
20	55169335	55169544	55169439	9	13	10	1.220429246	0.306001	BMP7	ENSG00000101144
20	55169874	55171968	55170135	22	138	114	1.159028768	0.11984	BMP7	ENSG00000101144
20	55172054	55172294	55172173	8	10	23	0.439499818	0.991202	BMP7	ENSG00000101144
20	55172623	55172933	55172788	12	14	25	0.553216554	0.969907	BMP7	ENSG00000101144
20	55173030	55173999	55173820	16	49	69	0.684934781	0.980553	BMP7	ENSG00000101144
20	55174027	55174359	55174187	8	12	32	0.377751909	0.999231	BMP7	ENSG00000101144
20	55174383	55174690	55174536	8	13	29	0.447490723	0.995358	BMP7	ENSG00000101144
20	55175088	55175757	55175267	12	33	44	0.72450879	0.923905	BMP7	ENSG00000101144

20	55176163	55176754	55176543	12	30	27	1.06164891	0.407875	BMP7	ENSG00000101144
20	55176767	55178158	55177660	18	85	101	0.808491643	0.927491	BMP7	ENSG00000101144
20	55178475	55180029	55178771	19	86	96	0.860052127	0.846895	BMP7	ENSG00000101144
20	55180213	55180797	55180618	15	33	56	0.571980624	0.995783	BMP7	ENSG00000101144
20	55180885	55181420	55181064	14	31	50	0.6016682	0.989143	BMP7	ENSG00000101144
20	55181625	55183013	55182478	18	73	78	0.898218269	0.746792	BMP7	ENSG00000101144
20	55183111	55185845	55184090	20	176	133	1.266618199	0.0189225	BMP7	ENSG00000101144
20	55186107	55187002	55186422	15	45	47	0.918954164	0.659122	BMP7	ENSG00000101144
20	55187020	55188126	55187540	16	66	80	0.793171388	0.920664	BMP7	ENSG00000101144
20	55188244	55188496	55188401	8	11	17	0.639272462	0.890352	BMP7	ENSG00000101144
20	55188759	55190028	55189234	22	80	68	1.125675422	0.233699	BMP7	ENSG00000101144
20	55190164	55191032	55190391	14	34	60	0.550193512	0.998049	BMP7	ENSG00000101144
20	55191039	55191487	55191218	12	23	30	0.742380924	0.865876	BMP7	ENSG00000101144
20	55191918	55192444	55192186	12	25	31	0.779113313	0.829763	BMP7	ENSG00000101144
20	55192453	55192957	55192778	17	32	34	0.904113911	0.661443	BMP7	ENSG00000101144
20	55192992	55194328	55193941	20	75	67	1.07172148	0.338137	BMP7	ENSG00000101144
20	55194495	55196407	55194713	22	120	132	0.872390615	0.861771	BMP7	ENSG00000101144
20	55196417	55198741	55196925	24	156	126	1.185422558	0.0761253	BMP7	ENSG00000101144
20	55199038	55200003	55199577	23	68	59	1.102744997	0.288555	BMP7	ENSG00000101144
20	55200829	55201893	55201484	17	68	77	0.848265382	0.840987	BMP7	ENSG00000101144
20	55201908	55205357	55202798	20	162	180	0.863547608	0.913189	BMP7	ENSG00000101144
20	55205639	55206531	55205864	24	65	65	0.958908693	0.595057	BMP7	ENSG00000101144
20	55206718	55207524	55206956	12	36	41	0.844752896	0.773839	BMP7	ENSG00000101144
20	55207570	55208123	55207716	11	24	57	0.413322713	0.999948	BMP7	ENSG00000101144
20	55208274	55209018	55208623	12	37	52	0.68751944	0.962667	BMP7	ENSG00000101144
20	55209143	55210748	55209947	28	129	108	1.14365257	0.149657	BMP7	ENSG00000101144
20	55211171	55211871	55211606	17	40	44	0.873672365	0.734826	BMP7	ENSG00000101144
20	55212099	55212726	55212455	16	34	47	0.699204255	0.948169	BMP7	ENSG00000101144
20	55212815	55215007	55214246	14	107	143	0.71918152	0.995442	BMP7	ENSG00000101144
20	55215028	55216317	55215751	14	67	86	0.749491852	0.963487	BMP7	ENSG00000101144
20	55216648	55217435	55216841	14	35	36	0.932992242	0.616517	BMP7	ENSG00000101144
20	55217958	55218583	55218151	13	32	56	0.555157664	0.997063	BMP7	ENSG00000101144
20	55218624	55219543	55219218	16	51	70	0.702299324	0.974666	BMP7	ENSG00000101144
20	55219648	55221538	55220807	23	105	101	0.996512956	0.509679	BMP7	ENSG00000101144

20	55221659	55222941	55222707	17	73	96	0.731538591	0.979297	BMP7	ENSG00000101144
20	55222953	55225568	55223294	20	155	130	1.141906535	0.130512	BMP7	ENSG00000101144
20	55225860	55226208	55226034	13	18	15	1.138704073	0.348127	BMP7	ENSG00000101144
20	55226266	55227322	55227150	14	47	36	1.243989656	0.156684	BMP7	ENSG00000101144
20	55227725	55228321	55227904	16	34	44	0.745817872	0.905279	BMP7	ENSG00000101144
20	55228332	55230259	55229384	20	124	151	0.788576228	0.975846	BMP7	ENSG00000101144
20	55230690	55231546	55230959	19	53	60	0.848869991	0.810508	BMP7	ENSG00000101144
20	55231554	55234124	55232233	48	235	147	1.529070619	2.00E-05	BMP7	ENSG00000101144
20	55234135	55235113	55234314	20	60	69	0.835620433	0.848201	BMP7	ENSG00000101144
20	55235542	55239156	55237943	25	252	211	1.144358016	0.0731819	BMP7	ENSG00000101144
20	55239569	55240931	55240304	14	66	74	0.856625099	0.821999	BMP7	ENSG00000101144
20	55241020	55241566	55241387	12	29	40	0.701640507	0.932113	BMP7	ENSG00000101144
20	55241577	55243024	55241831	15	70	78	0.861804015	0.819022	BMP7	ENSG00000101144
20	55243133	55243499	55243320	15	22	28	0.760513791	0.838947	BMP7	ENSG00000101144
20	55243509	55243933	55243729	14	25	34	0.712332172	0.907472	BMP7	ENSG00000101144
20	55243943	55244403	55244199	17	30	40	0.725028524	0.913791	BMP7	ENSG00000101144
20	55244418	55246230	55245023	19	98	88	1.066651243	0.328541	BMP7	ENSG00000101144
20	55246342	55247036	55246673	11	33	39	0.815072389	0.811006	BMP7	ENSG00000101144
20	55249383	55249650	55249516	9	13	18	0.7065643	0.841991	BMP7	ENSG00000101144
20	55249667	55250586	55250171	13	43	58	0.715118347	0.955317	BMP7	ENSG00000101144
20	55250693	55251139	55250930	11	21	34	0.602742607	0.971252	BMP7	ENSG00000101144
20	55251397	55251741	55251569	8	13	18	0.7065643	0.841991	BMP7	ENSG00000101144
20	55251846	55254022	55252473	30	181	165	1.051333627	0.31993	BMP7	ENSG00000101144
20	55254458	55255151	55254793	17	46	45	0.979754534	0.538876	BMP7	ENSG00000101144
20	55255345	55257298	55255831	26	153	140	1.047318714	0.34526	BMP7	ENSG00000101144
20	55257306	55258745	55258196	20	86	105	0.787028833	0.951805	BMP7	ENSG00000101144
20	55258748	55259074	55258908	10	13	17	0.745817872	0.798145	BMP7	ENSG00000101144
20	55259086	55260241	55259335	20	75	57	1.256501046	0.0933784	BMP7	ENSG00000101144
20	55260297	55262544	55261127	41	218	199	1.050005019	0.308456	BMP7	ENSG00000101144
20	55262761	55262962	55262882	9	10	20	0.502285506	0.972812	BMP7	ENSG00000101144
20	55263014	55264143	55263383	20	82	70	1.120977768	0.238742	BMP7	ENSG00000101144
20	55264178	55264922	55264408	22	52	61	0.81971227	0.857046	BMP7	ENSG00000101144
20	55264930	55265141	55265035	9	10	20	0.502285506	0.972812	BMP7	ENSG00000101144
20	55265356	55265910	55265560	23	39	44	0.852363283	0.769733	BMP7	ENSG00000101144

20	55265942	55267523	55266860	22	110	102	1.033387038	0.404577	BMP7	ENSG00000101144
20	55267585	55273350	55271868	223	1063	528	1.928693477	2.57E-37	BMP7	ENSG00000101144
20	55273391	55274620	55274448	19	83	59	1.34247217	0.0392119	BMP7	ENSG00000101144
20	55274809	55278954	55277995	25	321	345	0.892394795	0.929389	BMP7	ENSG00000101144
20	55278957	55282083	55280521	20	216	239	0.867013277	0.936406	BMP7	ENSG00000101144
20	55282112	55282408	55282260	11	15	11	1.278544924	0.254978	BMP7	ENSG00000101144
20	55282501	55284974	55283169	31	227	211	1.03127916	0.373027	BMP7	ENSG00000101144
20	55285259	55287464	55287165	20	136	141	0.925144302	0.742123	BMP7	ENSG00000101144
20	55287532	55288244	55287954	19	42	38	1.057258303	0.399466	BMP7	ENSG00000101144
20	55314302	55314612	55314449	9	13	9	1.34247217	0.232231		ENSG00000217823
20	55317417	55317615	55317516	8	9	3	2.397271733	0.0539397		ENSG00000217823
20	55335125	55335319	55335247	8	8	9	0.863017824	0.627343		ENSG00000217823
20	55354956	55355203	55355079	11	11	7	1.43836304	0.204844	RAE1	ENSG00000101146
20	55379576	55379792	55379706	8	8	4	1.726035648	0.150596		ENSG00000210879
20	55465618	55465924	55465771	15	17	0	17.26035648	5.54E-06	HMG1L1	ENSG00000124097
20	55503651	55503952	55503787	10	13	8	1.491635745	0.166708	HMG1L1	ENSG00000124097
20	55522779	55523085	55522922	8	12	4	2.493162602	0.0299057	CTCFL	ENSG00000124092
20	55610297	55610550	55610447	8	11	1	5.753452158	0.00215302	ZBP1	ENSG00000124256
20	55690660	55690856	55690808	10	10	3	2.636998906	0.034203	PMEPA1	ENSG00000124225
20	55781069	55781326	55781166	8	10	4	2.109599125	0.0694668	PMEPA1	ENSG00000124225
20	55787811	55788033	55787922	9	10	1	5.273997812	0.00391723	PMEPA1	ENSG00000124225
20	56011325	56011520	56011422	10	10	2	3.515998541	0.0136204		ENSG00000221451
20	56095787	56096038	56095912	9	12	5	2.077635502	0.0577144		ENSG00000221385
20	56120668	56120917	56120811	8	9	6	1.369869562	0.253675	C20orf85	ENSG00000124237
20	56201277	56201483	56201391	8	9	5	1.598181155	0.170911	ANKRD60	ENSG00000124227
20	56218468	56218695	56218558	8	9	4	1.917817386	0.103282	ANKRD60	ENSG00000124227
20	56260589	56260818	56260703	11	12	4	2.493162602	0.0299057	PPP4R1L	ENSG00000124224
20	56315330	56315589	56315459	8	9	1	4.794543465	0.00708517	PPP4R1L	ENSG00000124224
20	56467170	56467480	56467336	8	11	3	2.876726079	0.0213797	VAPB	ENSG00000124164
20	56619690	56619941	56619815	16	18	9	1.821926517	0.0548428		ENSG00000221174
20	56659554	56660148	56659727	17	34	7	4.195225532	1.36E-05	STX16	ENSG00000124222
20	56841286	56841465	56841375	8	8	5	1.43836304	0.235762		ENSG00000213705
20	56848063	56848352	56848207	8	10	2	3.515998541	0.0136204		ENSG00000213705
20	56854342	56854557	56854449	9	10	1	5.273997812	0.00391723		ENSG00000213705

20	56864545	56864844	56864692	18	21	12	1.622768557	0.076896	GNAS	ENSG00000087460
20	56873038	56873248	56873143	8	8	0	8.630178238	0.00235436	GNAS	ENSG00000087460
20	56901341	56901561	56901451	8	9	0	9.589086931	0.00120187	GNAS	ENSG00000087460
20	56916091	56916511	56916233	9	17	13	1.232882605	0.274309	GNAS	ENSG00000087460
20	56922633	56922813	56922722	8	8	1	4.315089119	0.0127267	GNAS	ENSG00000087460
20	56988171	56988350	56988260	8	8	1	4.315089119	0.0127267	TH1L	ENSG00000101158
20	57072634	57073112	57072871	58	88	9	8.534287368	2.90E-17	SLMO2	ENSG00000101166
20	57230993	57231534	57231215	9	21	9	2.109599125	0.0196396	ZNF831	ENSG00000124203
20	57294077	57294332	57294204	9	10	1	5.273997812	0.00391723	EDN3	ENSG00000124205
20	57504292	57504637	57504464	9	12	3	3.116453252	0.0131971	C20orf83	ENSG00000157033
20	57524168	57524409	57524243	8	10	5	1.757999271	0.121253	C20orf83	ENSG00000157033
20	57527972	57528167	57528015	8	9	2	3.19636231	0.0229249	PHACTR3	ENSG00000087495
20	57702592	57702788	57702690	8	8	1	4.315089119	0.0127267	PHACTR3	ENSG00000087495
20	57949064	57949570	57949354	10	21	9	2.109599125	0.0196396	C20orf177	ENSG00000196227
20	58214698	58214918	58214780	8	8	0	8.630178238	0.00235436		ENSG00000207802
20	58236623	58237165	58236972	31	47	11	3.835634772	1.35E-06		ENSG00000207802
20	58278691	58278892	58278791	8	9	7	1.198635866	0.346278		ENSG00000207802
20	58281264	58281529	58281410	13	15	8	1.704726565	0.0916153		ENSG00000207802
20	58333881	58334112	58333975	9	9	3	2.397271733	0.0539397		ENSG00000203961
20	58360581	58360817	58360699	8	9	3	2.397271733	0.0539397		ENSG00000203961
20	59173614	59174129	59173959	11	20	3	5.034270639	0.000202317	CDH4	ENSG00000179242
20	59356353	59356532	59356442	8	8	1	4.315089119	0.0127267	CDH4	ENSG00000179242
20	60096972	60097241	60097117	14	17	1	8.630178238	5.44E-05	TAF4	ENSG00000130699
20	60386695	60386910	60386802	8	11	0	11.50690432	0.000313206	RPS21	ENSG00000171858
20	60435960	60436216	60436084	17	17	8	1.917817386	0.0474153	C20orf151	ENSG00000130701
20	60805273	60805677	60805450	14	20	8	2.237453617	0.0160557	NTSR1	ENSG00000101188
20	60893287	60893511	60893399	10	11	2	3.835634772	0.00800699	C20orf20	ENSG00000101189
20	60930823	60931021	60930976	8	8	3	2.157544559	0.0836802	COL9A3	ENSG00000092758
20	61002708	61002933	61002796	8	9	4	1.917817386	0.103282	DIDO1	ENSG00000101191
20	61357832	61358217	61358023	30	39	1	19.17817386	4.29E-11	NKAIN4	ENSG00000101198
20	61739236	61739530	61739385	12	15	0	15.34253909	2.13E-05	GMEB2	ENSG00000101216
20	61759287	61759548	61759417	11	14	11	1.198635866	0.315918	TNFRSF6B	ENSG00000026036
20	61760034	61760287	61760159	12	13	6	1.917817386	0.0693353	TNFRSF6B	ENSG00000026036
20	61766566	61767421	61767256	14	46	34	1.287677388	0.126024	TNFRSF6B	ENSG00000026036

20	61784319	61784536	61784462	9	11	3	2.876726079	0.0213797	TNFRSF6B	ENSG00000026036
20	61965480	61965777	61965628	12	15	4	3.068507818	0.0076507	TPD52L2	ENSG00000101150
20	61966656	61967017	61966834	11	17	7	2.157544559	0.0276499	TPD52L2	ENSG00000101150
20	61967299	61967640	61967466	9	14	1	7.191815198	0.00034761	TPD52L2	ENSG00000101150
20	62347861	62348119	62347946	10	11	1	5.753452158	0.00215302	PCMTD2	ENSG00000203880
21	9740192	9740418	9740305	9	12	3	3.116453252	0.0131971		ENSG00000169861
21	9772443	9772811	9772634	16	20	8	2.237453617	0.0160557		ENSG00000169861
21	9814824	9815062	9814922	9	9	4	1.917817386	0.103282		ENSG00000169861
21	9820356	9820572	9820434	8	8	9	0.863017824	0.627343		ENSG00000169861
21	9825898	9826302	9826123	13	19	16	1.128127874	0.354788		ENSG00000169861
21	9833650	9833980	9833815	13	15	15	0.958908693	0.546868		ENSG00000169861
21	10130945	10131325	10131156	11	16	10	1.481949798	0.147733	BAGE4	ENSG00000187172
21	10140167	10140584	10140402	11	19	20	0.913246374	0.614587	BAGE4	ENSG00000187172
21	10150218	10150479	10150348	9	12	4	2.493162602	0.0299057	VN1R7P	ENSG00000217858
21	10168137	10168321	10168229	8	9	8	1.065454103	0.442605	VN1R7P	ENSG00000217858
21	10192910	10193257	10193083	8	13	9	1.34247217	0.232231		ENSG00000220888
21	14994395	14994596	14994495	8	9	0	9.589086931	0.00120187		ENSG00000215552
21	15161055	15161466	15161195	17	26	0	25.89053471	1.31E-08		ENSG00000217388
21	15359347	15359537	15359442	8	8	0	8.630178238	0.00235436	NRIP1	ENSG00000180530
21	15458893	15459268	15459070	17	23	1	11.50690432	1.25E-06	NRIP1	ENSG00000180530
21	17400267	17400459	17400363	8	8	3	2.157544559	0.0836802		ENSG00000216487
21	17741095	17741416	17741264	11	14	3	3.595907599	0.00486913		ENSG00000209722
21	17901904	17902368	17902081	32	40	3	9.828814104	1.78E-09	BTG3	ENSG00000154640
21	17961427	17961875	17961696	37	45	0	44.10979988	3.69E-14	BTG3	ENSG00000154640
21	18002457	18003037	18002841	63	88	0	85.34287368	1.03E-26	BTG3	ENSG00000154640
21	20886520	20887065	20886779	40	61	1	29.72616948	2.46E-17	RPS3AP1	ENSG00000189005
21	21533208	21533538	21533373	13	17	0	17.26035648	5.54E-06	NCAM2	ENSG00000154654
21	22191623	22192008	22191821	39	47	0	46.02761727	9.62E-15	C21orf74	ENSG00000184856
21	22483901	22484181	22484041	14	16	0	16.30144778	1.09E-05		ENSG00000202339
21	23184906	23185131	23185018	11	12	0	12.46581301	0.000159888		ENSG00000219889
21	24308989	24309356	24309106	10	16	0	16.30144778	1.09E-05		ENSG00000197382
21	25196538	25196948	25196704	9	14	3	3.595907599	0.00486913		ENSG00000222567
21	25694659	25695019	25694854	15	19	0	19.17817386	1.44E-06	C21orf42	ENSG00000185433
21	25901480	25901853	25901703	16	21	6	3.013713035	0.00261913	MRPL39	ENSG00000154719

21	26410714	26410899	26410776	8	8	2	2.876726079	0.0381137	APP	ENSG00000142192
21	26684092	26684759	26684512	30	54	4	10.54799562	2.45E-12		ENSG00000197934
21	26735319	26735663	26735491	22	26	0	25.89053471	1.31E-08		ENSG00000197934
21	26953375	26953734	26953549	14	19	1	9.589086931	1.56E-05	CYYR1	ENSG00000166265
21	29368122	29368325	29368223	8	9	0	9.589086931	0.00120187	CCT8	ENSG00000156261
21	29698131	29698450	29698290	15	16	0	16.30144778	1.09E-05		ENSG00000209835
21	30772152	30772515	30772344	49	54	2	17.57999271	3.45E-14	KRTAP19-1	ENSG00000184351
21	33066218	33066477	33066344	10	11	2	3.835634772	0.00800699	C21orf49	ENSG00000205930
21	33305741	33305952	33305846	8	9	1	4.794543465	0.00708517	OLIG2	ENSG00000205927
21	33661334	33661810	33661569	111	140	1	67.60306286	4.69E-40		ENSG00000217665
21	34095920	34096265	34096095	28	32	5	5.273997812	3.82E-06	ITSN1	ENSG00000205726
21	34218352	34218553	34218476	8	9	3	2.397271733	0.0539397		ENSG00000209912
21	34723829	34724115	34723993	11	13	0	13.4247217	8.16E-05	KCNE1	ENSG00000180509
21	34876696	34876875	34876745	8	8	2	2.876726079	0.0381137	RCAN1	ENSG00000159200
21	34969340	34969711	34969548	26	33	2	10.86763185	1.89E-08	CLIC6	ENSG00000159212
21	35101780	35101993	35101871	10	10	0	10.54799562	0.000613541	RUNX1	ENSG00000159216
21	35239374	35239676	35239525	13	15	1	7.671269544	0.000187863	RUNX1	ENSG00000159216
21	35357645	35358055	35357809	17	25	0	24.93162602	2.56E-08	RUNX1	ENSG00000159216
21	38512928	38513162	38513045	10	12	5	2.077635502	0.0577144		ENSG00000220701
21	38707491	38707694	38707576	8	8	4	1.726035648	0.150596	ERG	ENSG00000157554
21	38814948	38815158	38815112	8	11	1	5.753452158	0.00215302		ENSG00000216884
21	39081370	39081757	39081524	17	24	3	5.993179332	2.17E-05	ETS2	ENSG00000157557
21	39200977	39201198	39201122	12	13	6	1.917817386	0.0693353		ENSG00000220397
21	39287471	39287772	39287644	10	13	3	3.356180426	0.00805599		ENSG00000205622
21	39627524	39627756	39627640	8	8	8	0.958908693	0.534974	HMGN1	ENSG00000205581
21	39667541	39667789	39667665	10	12	1	6.232906505	0.00117736		ENSG00000216294
21	40082156	40082437	40082284	13	16	11	1.358453982	0.20248	IGSF5	ENSG00000183067
21	40099852	40100059	40099955	8	9	5	1.598181155	0.170911	IGSF5	ENSG00000183067
21	40150448	40150663	40150555	8	10	0	10.54799562	0.000613541	PCP4	ENSG00000183036
21	40424225	40424766	40424575	38	54	3	13.18499453	3.33E-13	PCP4	ENSG00000183036
21	40437762	40437948	40437802	8	9	1	4.794543465	0.00708517	PCP4	ENSG00000183036
21	40572147	40572580	40572397	27	41	4	8.054833022	5.63E-09		ENSG00000207147
21	40680186	40680425	40680305	10	11	6	1.643843474	0.137712		ENSG00000207147
21	41134287	41134504	41134435	8	9	0	9.589086931	0.00120187	DSCAM	ENSG00000171587

21	41217084	41217419	41217243	16	21	3	5.273997812	0.00011662	DSCAM	ENSG00000171587
21	41304521	41304729	41304582	8	9	1	4.794543465	0.00708517	BACE2	ENSG00000182240
21	41362949	41363357	41363128	13	20	2	6.712360851	4.91E-05	BACE2	ENSG00000182240
21	41830264	41830443	41830353	8	8	5	1.43836304	0.235762		ENSG00000207503
21	41906288	41906546	41906417	8	10	5	1.757999271	0.121253		ENSG00000207503
21	41971584	41971841	41971706	9	11	1	5.753452158	0.00215302	RIPK4	ENSG00000183421
21	41972235	41972423	41972326	8	9	2	3.19636231	0.0229249	RIPK4	ENSG00000183421
21	41974497	41974910	41974676	14	24	9	2.397271733	0.00639731	RIPK4	ENSG00000183421
21	42079633	42080033	42079886	13	18	3	4.554816292	0.000599415	RIPK4	ENSG00000183421
21	42085678	42085869	42085787	8	8	4	1.726035648	0.150596	RIPK4	ENSG00000183421
21	42110187	42110475	42110341	9	10	3	2.636998906	0.034203	RIPK4	ENSG00000183421
21	42189065	42189255	42189160	8	8	4	1.726035648	0.150596		ENSG00000215494
21	42350097	42350412	42350240	10	14	6	2.054804342	0.0480281	UMODL1	ENSG00000177398
21	42372050	42372406	42372228	22	28	1	13.90417605	5.17E-08	UMODL1	ENSG00000177398
21	42407424	42407700	42407562	12	14	3	3.595907599	0.00486913	UMODL1	ENSG00000177398
21	42457560	42457971	42457798	11	17	10	1.569123316	0.112309	ABCG1	ENSG00000160179
21	42650666	42651021	42650851	8	12	1	6.232906505	0.00117736	TFF2	ENSG00000160181
21	42760586	42760779	42760682	8	8	0	8.630178238	0.00235436	RSPH1	ENSG00000160188
21	42809471	42809687	42809611	8	9	1	4.794543465	0.00708517	SLC37A1	ENSG00000160190
21	43172021	43172235	43172153	8	9	3	2.397271733	0.0539397	WDR4	ENSG00000160193
21	43248981	43249206	43249085	11	11	1	5.753452158	0.00215302	PKNOX1	ENSG00000160199
21	43588812	43589038	43588927	8	9	2	3.19636231	0.0229249	SNF1LK	ENSG00000142178
21	43744947	43745213	43745080	12	13	1	6.712360851	0.000640982	C21orf84	ENSG00000185186
21	43761208	43761493	43761346	15	17	3	4.315089119	0.00102271		ENSG00000214326
21	43782144	43782549	43782395	11	17	2	5.753452158	0.000281509		ENSG00000214326
21	43971159	43971426	43971278	11	13	0	13.4247217	8.16E-05	PDXK	ENSG00000160209
21	44149918	44150112	44150015	8	9	1	4.794543465	0.00708517	AGPAT3	ENSG00000160216
21	44382352	44382576	44382474	10	11	0	11.50690432	0.000313206	C21orf33	ENSG00000160221
21	44447070	44447393	44447247	8	13	6	1.917817386	0.0693353	ICOSLG	ENSG00000160223
21	44485693	44485878	44485826	8	9	1	4.794543465	0.00708517	ICOSLG	ENSG00000160223
21	44494015	44494246	44494121	8	10	0	10.54799562	0.000613541	ICOSLG	ENSG00000160223
21	44736576	44737160	44736974	16	34	3	8.390451064	6.50E-08		ENSG00000210065
21	44793281	44793693	44793543	17	25	1	12.46581301	3.51E-07	KRTAP10-2	ENSG00000205445
21	44838258	44838586	44838422	29	33	0	32.60289556	1.18E-10	KRTAP10-6	ENSG00000188155

21	44842247	44842659	44842484	34	44	2	14.3836304	1.96E-11	KRTAP10-7	ENSG00000205441
21	44954087	44954670	44954397	111	145	3	35.0001673	1.50E-38	C21orf29	ENSG00000175894
21	45010103	45010316	45010207	8	10	4	2.109599125	0.0694668	UBE2G2	ENSG00000184787
21	45010600	45011042	45010779	50	66	3	16.06172061	1.83E-16	UBE2G2	ENSG00000184787
21	45018032	45018321	45018207	10	12	5	2.077635502	0.0577144	UBE2G2	ENSG00000184787
21	45044575	45044823	45044690	8	8	0	8.630178238	0.00235436	UBE2G2	ENSG00000184787
21	45305473	45305652	45305536	8	8	0	8.630178238	0.00235436	ADARB1	ENSG00000197381
21	45373038	45373282	45373188	11	14	4	2.876726079	0.01219	ADARB1	ENSG00000197381
21	45426449	45426636	45426546	8	10	0	10.54799562	0.000613541	ADARB1	ENSG00000197381
21	45574385	45574567	45574454	8	8	6	1.232882605	0.333038	C21orf93	ENSG00000184274
21	45578013	45578288	45578150	12	13	3	3.356180426	0.00805599	C21orf93	ENSG00000184274
21	45608389	45608601	45608522	10	11	1	5.753452158	0.00215302		ENSG00000217185
21	45617344	45617614	45617505	10	12	3	3.116453252	0.0131971		ENSG00000217185
21	45771460	45771703	45771579	11	12	0	12.46581301	0.000159888	SLC19A1	ENSG00000173638
21	45876979	45877499	45877269	34	58	6	8.082230413	7.47E-12	PCBP3	ENSG00000183570
21	46124798	46125139	46124968	10	16	1	8.150723891	0.000101217	PCBP3	ENSG00000183570
21	46942597	46942857	46942697	11	14	2	4.794543465	0.00154571	RPL23AP4	ENSG00000212932
22	15658741	15659068	15658911	12	15	0	15.34253909	2.13E-05	XKR3	ENSG00000172967
22	16091237	16091529	16091381	23	26	0	25.89053471	1.31E-08	CECR1	ENSG00000093072
22	16208838	16209093	16208965	16	17	2	5.753452158	0.000281509		ENSG00000209324
22	16418272	16418504	16418388	8	10	0	10.54799562	0.000613541	SLC25A18	ENSG00000182902
22	17020022	17020201	17020091	8	8	8	0.958908693	0.534974	USP18	ENSG00000184979
22	17258320	17258788	17258614	15	19	12	1.475244143	0.131365	DGCR6	ENSG00000183628
22	17296816	17297438	17297207	25	42	2	13.74435793	6.90E-11	PRODH	ENSG00000100033
22	17301349	17301546	17301447	8	8	2	2.876726079	0.0381137	PRODH	ENSG00000100033
22	17846971	17847213	17847083	9	11	2	3.835634772	0.00800699	CDC45L	ENSG00000093009
22	18111228	18111573	18111400	15	20	0	20.13708255	7.37E-07	TBX1	ENSG00000184058
22	18174064	18174528	18174198	22	33	2	10.86763185	1.89E-08		ENSG00000219300
22	18216487	18216666	18216567	8	8	1	4.315089119	0.0127267	GNB1L	ENSG00000185838
22	18217368	18217577	18217472	8	9	5	1.598181155	0.170911	GNB1L	ENSG00000185838
22	18236384	18236736	18236560	20	26	0	25.89053471	1.31E-08	GNB1L	ENSG00000185838
22	18248720	18248950	18248808	8	8	1	4.315089119	0.0127267		ENSG00000217984
22	18330536	18330817	18330676	14	15	2	5.114179696	0.00088103	COMT	ENSG00000093010
22	18351930	18352175	18352046	12	14	3	3.595907599	0.00486913	ARVCF	ENSG00000099889

22	18378029	18378232	18378121	8	9	2	3.19636231	0.0229249	ARVCF	ENSG00000099889
22	18605523	18605826	18605675	23	26	0	25.89053471	1.31E-08		ENSG00000221039
22	18676437	18676667	18676497	8	10	0	10.54799562	0.000613541		ENSG00000161132
22	19078118	19078379	19078248	9	11	3	2.876726079	0.0213797	ZNF74	ENSG00000185252
22	19180814	19181058	19180908	10	13	4	2.684944341	0.01921	KLHL22	ENSG00000185214
22	19248635	19248882	19248758	9	13	0	13.4247217	8.16E-05		ENSG00000220624
22	19462050	19462403	19462229	8	13	5	2.237453617	0.038866	SERPIND1	ENSG00000099937
22	19569885	19570151	19570031	10	12	3	3.116453252	0.0131971	SNAP29	ENSG00000099940
22	19597077	19597436	19597215	10	15	0	15.34253909	2.13E-05	CRKL	ENSG00000099942
22	20476688	20476883	20476785	9	9	3	2.397271733	0.0539397		ENSG00000200985
22	20667137	20667404	20667293	11	13	10	1.220429246	0.306001	TOP3B	ENSG00000100038
22	21598003	21598385	21598173	11	15	2	5.114179696	0.00088103		ENSG00000211685
22	21854696	21854926	21854824	9	10	6	1.506856518	0.188853	BCR	ENSG00000186716
22	22498304	22498485	22498409	8	9	0	9.589086931	0.00120187	DERL3	ENSG00000099958
22	23029426	23029638	23029491	11	13	4	2.684944341	0.01921	ADORA2A	ENSG00000128271
22	23232976	23233176	23233112	9	10	4	2.109599125	0.0694668	UPB1	ENSG00000100024
22	23247502	23247725	23247631	9	10	1	5.273997812	0.00391723	UPB1	ENSG00000100024
22	23247748	23248001	23247874	8	11	2	3.835634772	0.00800699	UPB1	ENSG00000100024
22	23281666	23281848	23281749	8	8	6	1.232882605	0.333038	SNRPD3	ENSG00000100028
22	23494868	23495056	23494964	8	9	1	4.794543465	0.00708517	PIWIL3	ENSG00000184571
22	23576263	23576519	23576408	9	9	8	1.065454103	0.442605	SGSM1	ENSG00000167037
22	23695950	23696173	23696061	8	9	6	1.369869562	0.253675	TMEM211	ENSG00000206069
22	23787696	23788039	23787867	10	15	0	15.34253909	2.13E-05		ENSG00000197077
22	24555272	24555545	24555408	19	20	1	10.06854128	8.32E-06	MYO18B	ENSG00000133454
22	25274989	25275355	25275157	16	21	2	7.031997082	2.73E-05		ENSG00000221760
22	25384775	25385048	25384911	9	12	2	4.155271003	0.0046638		ENSG00000218556
22	25489927	25490168	25490059	10	10	3	2.636998906	0.034203		ENSG00000206028
22	25620851	25621120	25620975	10	13	1	6.712360851	0.000640982		ENSG00000219956
22	25699495	25699891	25699603	8	14	2	4.794543465	0.00154571		ENSG00000200443
22	25819883	25820211	25820037	14	18	1	9.109632584	2.91E-05		ENSG00000200443
22	26444204	26444393	26444321	8	9	0	9.589086931	0.00120187	MN1	ENSG00000169184
22	26445441	26445903	26445675	31	49	0	47.94543465	2.51E-15	MN1	ENSG00000169184
22	26500084	26500296	26500190	9	11	1	5.753452158	0.00215302	MN1	ENSG00000169184
22	26838757	26838983	26838911	10	10	3	2.636998906	0.034203		ENSG00000223230

22	27041931	27042459	27042201	128	155	0	149.5897561	2.79E-46	TTC28	ENSG00000100154
22	27467604	27468015	27467756	18	25	7	3.116453252	0.000988074	CHEK2	ENSG00000183765
22	27468212	27468466	27468326	12	12	0	12.46581301	0.000159888	HSCB	ENSG00000100209
22	27498487	27498738	27498588	14	17	4	3.452071295	0.00292757	CCDC117	ENSG00000159873
22	27510014	27510387	27510193	17	24	4	4.794543465	8.06E-05	CCDC117	ENSG00000159873
22	27581547	27581982	27581823	10	17	6	2.465765211	0.014729		ENSG00000216570
22	27709029	27709594	27709370	52	80	1	38.83580207	9.03E-23	ZNRF3	ENSG00000183579
22	27709794	27710138	27709966	8	13	2	4.474907234	0.00269459	ZNRF3	ENSG00000183579
22	27806487	27806666	27806529	8	8	2	2.876726079	0.0381137	KREMEN1	ENSG00000183762
22	28114036	28114278	28114163	10	11	0	11.50690432	0.000313206	AP1B1	ENSG00000100280
22	28194892	28195407	28195149	20	32	2	10.54799562	3.50E-08	NEFH	ENSG00000100285
22	28279540	28280016	28279837	8	16	5	2.716907964	0.0109645	THOC5	ENSG00000100296
22	28348074	28348400	28348237	15	17	5	2.876726079	0.00703033	NF2	ENSG00000186575
22	28349098	28349293	28349195	9	10	0	10.54799562	0.000613541	NF2	ENSG00000186575
22	28547281	28547630	28547455	17	21	2	7.031997082	2.73E-05	ZMAT5	ENSG00000100319
22	28718914	28719357	28719073	8	16	5	2.716907964	0.0109645	MTMR3	ENSG00000100330
22	28814917	28815246	28815094	9	12	4	2.493162602	0.0299057	HORMAD2	ENSG00000176635
22	28971582	28972496	28971888	117	183	2	58.81306651	7.75E-51	LIF	ENSG00000128342
22	29024396	29024743	29024574	12	17	10	1.569123316	0.112309		ENSG00000182482
22	29317939	29318252	29318111	9	11	3	2.876726079	0.0213797	PES1	ENSG00000100029
22	29608436	29608615	29608532	8	8	1	4.315089119	0.0127267		ENSG00000218230
22	29903583	29903786	29903670	8	10	2	3.515998541	0.0136204	RNF185	ENSG00000138942
22	29944917	29945306	29945081	31	39	2	12.78544924	4.53E-10		ENSG00000209392
22	29979938	29980363	29980146	77	98	2	31.64398687	1.52E-26	LIMK2	ENSG00000182541
22	29998931	29999151	29999041	8	9	1	4.794543465	0.00708517	PIK3IP1	ENSG00000100100
22	30032642	30032869	30032762	10	12	4	2.493162602	0.0299057		ENSG00000212542
22	30039332	30039625	30039488	15	18	4	3.643853034	0.00178791		ENSG00000212542
22	30126199	30126449	30126324	11	12	5	2.077635502	0.0577144	DRG1	ENSG00000185721
22	30287353	30287542	30287417	9	9	1	4.794543465	0.00708517		ENSG00000214093
22	30359765	30360064	30359904	9	10	2	3.515998541	0.0136204	PISD	ENSG00000100141
22	30372805	30373065	30372897	10	13	1	6.712360851	0.000640982	PISD	ENSG00000100141
22	30409210	30409589	30409430	19	23	0	23.01380863	9.81E-08	PISD	ENSG00000100141
22	30696122	30696326	30696224	9	11	1	5.753452158	0.00215302		ENSG00000209414
22	30776597	30777053	30776855	15	24	6	3.424673904	0.000656885	SLC5A1	ENSG00000100170

22	30805083	30805416	30805259	15	18	3	4.554816292	0.000599415	SLC5A1	ENSG00000100170
22	30832998	30833343	30833170	14	20	3	5.034270639	0.000202317		ENSG00000216309
22	30966752	30967083	30966955	8	12	4	2.493162602	0.0299057	SLC5A4	ENSG00000100191
22	30992254	30992433	30992306	8	8	0	8.630178238	0.00235436		ENSG00000214076
22	31283443	31283693	31283568	16	17	1	8.630178238	5.44E-05		ENSG00000209417
22	31588305	31588542	31588435	8	9	0	9.589086931	0.00120187		ENSG00000183531
22	31712035	31712294	31712164	8	10	3	2.636998906	0.034203	SYN3	ENSG00000185666
22	32968995	32969243	32969119	8	11	0	11.50690432	0.000313206	LARGE	ENSG00000133424
22	33487232	33487553	33487389	16	20	2	6.712360851	4.91E-05		ENSG00000220899
22	33626047	33626269	33626135	8	10	0	10.54799562	0.000613541	ISX	ENSG00000175329
22	33919940	33920208	33920074	9	10	0	10.54799562	0.000613541		ENSG00000219612
22	34098017	34098275	34098146	10	13	0	13.4247217	8.16E-05	HMOX1	ENSG00000100292
22	34778568	34778770	34778693	8	8	0	8.630178238	0.00235436	RBM9	ENSG00000100320
22	35112227	35112416	35112320	8	10	5	1.757999271	0.121253	MYH9	ENSG00000100345
22	35207204	35207444	35207321	9	11	5	1.917817386	0.0843804	TXN2	ENSG00000100348
22	35256213	35256515	35256364	8	11	0	11.50690432	0.000313206	EIF3D	ENSG00000100353
22	35284455	35284655	35284520	9	9	0	9.589086931	0.00120187		ENSG00000188078
22	35535020	35535210	35535115	8	10	1	5.273997812	0.00391723	PVALB	ENSG00000100362
22	36333066	36333262	36333164	9	9	1	4.794543465	0.00708517	GGA1	ENSG00000100083
22	36510745	36511091	36510918	32	35	2	11.50690432	5.48E-09		ENSG00000209462
22	36624680	36625092	36624887	43	55	0	53.69888681	4.44E-17	MICALL1	ENSG00000100139
22	37044275	37044461	37044321	8	8	1	4.315089119	0.0127267	CSNK1E	ENSG00000213923
22	37177313	37177525	37177477	9	9	1	4.794543465	0.00708517	KCNJ4	ENSG00000168135
22	37650490	37650750	37650620	12	13	3	3.356180426	0.00805599	APOBEC3A	ENSG00000128383
22	37823047	37823624	37823239	28	43	4	8.438396499	1.74E-09	APOBEC3H	ENSG00000100298
22	38360551	38361059	38360883	10	18	2	6.073088389	0.000157975		ENSG00000203593
22	38525579	38525780	38525670	8	8	0	8.630178238	0.00235436		ENSG00000209490
22	39402640	39402943	39402789	19	21	1	10.54799562	4.43E-06	MCHR1	ENSG00000128285
22	39437584	39437812	39437698	9	10	4	2.109599125	0.0694668	MCHR1	ENSG00000128285
22	39454871	39455056	39454963	8	8	0	8.630178238	0.00235436	MCHR1	ENSG00000128285
22	39458690	39459074	39458899	13	17	4	3.452071295	0.00292757	SLC25A17	ENSG00000100372
22	40006075	40006442	40006224	14	19	1	9.589086931	1.56E-05	RANGAP1	ENSG00000100401
22	40014375	40014891	40014715	22	38	0	37.39743903	4.09E-12	RANGAP1	ENSG00000100401
22	40392804	40393004	40392899	8	9	0	9.589086931	0.00120187		ENSG00000207457

22	41340794	41341119	41340956	9	13	1	6.712360851	0.000640982	POLDIP3	ENSG00000100227
22	41437162	41437549	41437300	8	12	2	4.155271003	0.0046638	A4GALT	ENSG00000128274
22	41531568	41531770	41531720	8	9	3	2.397271733	0.0539397		ENSG00000188999
22	41820065	41820324	41820194	10	13	4	2.684944341	0.01921		ENSG00000218619
22	42682489	42682668	42682578	8	8	5	1.43836304	0.235762	SAMM50	ENSG00000100347
22	42812994	42813184	42813089	8	8	2	2.876726079	0.0381137	PARVB	ENSG00000188677
22	43460112	43460467	43460295	22	27	0	26.84944341	6.66E-09	PRR5	ENSG00000186654
22	43570229	43570522	43570375	10	14	0	14.3836304	4.17E-05	PRR5	ENSG00000186654
22	43595226	43595451	43595350	10	11	3	2.876726079	0.0213797	PRR5	ENSG00000186654
22	43847587	43848270	43847854	44	72	2	23.33344486	3.30E-19	PHF21B	ENSG00000056487
22	43870807	43871124	43870959	9	12	0	12.46581301	0.000159888	NUP50	ENSG00000093000
22	44244291	44244715	44244490	42	60	2	19.49781009	7.45E-16	FBLN1	ENSG00000077942
22	44606896	44607228	44607068	9	14	2	4.794543465	0.00154571		ENSG00000219324
22	44709165	44709392	44709320	8	10	0	10.54799562	0.000613541	WNT7B	ENSG00000188064
22	44788047	44788250	44788148	10	10	2	3.515998541	0.0136204	WNT7B	ENSG00000188064
22	45071050	45071313	45071181	10	11	4	2.301380863	0.0459276	GTSE1	ENSG00000075218
22	45149779	45150033	45149912	9	11	2	3.835634772	0.00800699	TRMU	ENSG00000100416
22	45517543	45517722	45517601	8	8	6	1.232882605	0.333038	CERK	ENSG00000100422
22	45548474	45548885	45548722	12	19	5	3.19636231	0.00280933	TBC1D22A	ENSG00000054611
22	45573241	45573482	45573361	10	12	1	6.232906505	0.00117736	TBC1D22A	ENSG00000054611
22	45617182	45617585	45617409	19	27	1	13.4247217	9.80E-08		ENSG00000221672
22	45903931	45904723	45904332	80	117	5	18.85853763	2.21E-28		ENSG00000221672
22	47172287	47172501	47172394	9	11	0	11.50690432	0.000313206	FAM19A5	ENSG00000219438
22	48539976	48540352	48540188	11	18	2	6.073088389	0.000157975		ENSG00000218799
22	48811044	48811247	48811120	8	8	1	4.315089119	0.0127267	IL17REL	ENSG00000188263
22	49086370	49086975	49086579	74	90	1	43.63034553	1.22E-25	PLXNB2	ENSG00000196576
22	49262074	49262412	49262243	22	27	1	13.4247217	9.80E-08	SBF1	ENSG00000100241
3	86450	86749	86599	8	9	4	1.917817386	0.103282	CHL1	ENSG00000134121
3	98576	98899	98737	13	18	4	3.643853034	0.00178791	CHL1	ENSG00000134121
3	127601	128693	127998	185	295	15	17.73981082	1.15E-66	CHL1	ENSG00000134121
3	128961	129224	129125	8	10	2	3.515998541	0.0136204	CHL1	ENSG00000134121
3	198948	199127	199037	8	8	2	2.876726079	0.0381137	CHL1	ENSG00000134121
3	259914	260113	259980	8	8	0	8.630178238	0.00235436	CHL1	ENSG00000134121
3	371138	371472	371305	13	17	3	4.315089119	0.00102271	CHL1	ENSG00000134121

3	589882	590077	590035	8	8	7	1.07877228	0.435076	CHL1	ENSG00000134121
3	623082	623266	623190	9	10	1	5.273997812	0.00391723	CHL1	ENSG00000134121
3	631133	631316	631212	8	8	3	2.157544559	0.0836802	CHL1	ENSG00000134121
3	934350	934543	934420	9	9	1	4.794543465	0.00708517		ENSG00000209700
3	1085835	1086303	1086057	25	36	2	11.82654055	2.94E-09		ENSG00000209700
3	1088793	1089268	1089095	18	29	6	4.109608685	5.77E-05		ENSG00000209700
3	2992986	2993256	2993121	8	10	0	10.54799562	0.000613541	CNTN4	ENSG00000144619
3	3212843	3213164	3212999	15	18	1	9.109632584	2.91E-05	CRBN	ENSG00000113851
3	3576330	3576974	3576665	77	119	3	28.76726079	3.31E-31		ENSG00000223036
3	3653474	3654042	3653680	52	69	7	8.390451064	6.53E-14		ENSG00000223036
3	3750724	3750907	3750815	8	8	0	8.630178238	0.00235436	LRRN1	ENSG00000175928
3	4307058	4307241	4307149	8	8	2	2.876726079	0.0381137	SETMAR	ENSG00000170364
3	4483858	4484046	4483952	8	10	1	5.273997812	0.00391723	SUMF1	ENSG00000144455
3	4508916	4509135	4508992	8	10	7	1.318499453	0.269217	ITPR1	ENSG00000150995
3	4550588	4550798	4550693	9	9	3	2.397271733	0.0539397	ITPR1	ENSG00000150995
3	4598733	4599293	4598975	47	70	5	11.3470862	1.03E-15	ITPR1	ENSG00000150995
3	4650042	4650351	4650186	8	12	7	1.558226626	0.152813	ITPR1	ENSG00000150995
3	4702766	4702945	4702903	8	8	0	8.630178238	0.00235436		ENSG00000209718
3	4703910	4704248	4704075	20	25	11	2.077635502	0.0139694		ENSG00000209718
3	4704906	4705408	4705229	17	28	12	2.139104008	0.0083421		ENSG00000209718
3	4728126	4728412	4728272	13	15	6	2.191791298	0.0328001		ENSG00000209718
3	4737385	4737744	4737578	9	14	3	3.595907599	0.00486913		ENSG00000209718
3	4738730	4739023	4738876	10	13	5	2.237453617	0.038866		ENSG00000209718
3	4758363	4758646	4758517	12	16	4	3.260289556	0.00475414		ENSG00000209718
3	4761053	4761337	4761195	10	12	5	2.077635502	0.0577144		ENSG00000209718
3	4793351	4793593	4793466	8	9	10	0.871735176	0.624623		ENSG00000209718
3	4922760	4923077	4922912	12	15	8	1.704726565	0.0916153		ENSG00000209718
3	4925663	4925842	4925752	8	8	2	2.876726079	0.0381137		ENSG00000209718
3	4992750	4993162	4992983	11	18	13	1.301376083	0.22245	BHLHB2	ENSG00000134107
3	4994276	4994547	4994392	9	10	8	1.171999514	0.35773	BHLHB2	ENSG00000134107
3	4995440	4995646	4995541	8	9	2	3.19636231	0.0229249	BHLHB2	ENSG00000134107
3	4996421	4996618	4996501	9	10	3	2.636998906	0.034203	BHLHB2	ENSG00000134107
3	4996760	4997615	4997184	14	38	15	2.337339939	0.00125105	BHLHB2	ENSG00000134107
3	5003571	5004059	5003728	15	24	8	2.663635258	0.00328036	BHLHB2	ENSG00000134107

3	5011476	5012077	5011855	42	65	5	10.54799562	2.11E-14	BHLHB2	ENSG00000134107
3	5016473	5017005	5016740	37	52	6	7.260308676	2.33E-10	BHLHB2	ENSG00000134107
3	5043584	5043893	5043744	9	11	10	1.046082211	0.455063	BHLHB2	ENSG00000134107
3	5074517	5074786	5074651	11	13	2	4.474907234	0.00269459		ENSG00000207283
3	5123115	5123469	5123319	19	23	0	23.01380863	9.81E-08	ARL8B	ENSG00000134108
3	5138737	5138918	5138827	9	9	4	1.917817386	0.103282	ARL8B	ENSG00000134108
3	5153390	5154080	5153849	9	27	6	3.835634772	0.000155182	ARL8B	ENSG00000134108
3	5154855	5155264	5154999	9	16	3	4.075361945	0.00173346	ARL8B	ENSG00000134108
3	5405875	5406102	5406004	8	10	3	2.636998906	0.034203		ENSG00000209727
3	5443113	5443309	5443199	9	10	7	1.318499453	0.269217		ENSG00000209727
3	5627974	5628299	5628124	9	13	3	3.356180426	0.00805599		ENSG00000209727
3	5828422	5828875	5828705	8	16	4	3.260289556	0.00475414		
3	6135772	6135951	6135849	8	8	4	1.726035648	0.150596		
3	7001444	7001627	7001492	8	10	2	3.515998541	0.0136204	GRM7	ENSG00000196277
3	7563057	7563270	7563119	8	9	3	2.397271733	0.0539397		
3	8368489	8368850	8368668	14	21	0	21.09599125	3.76E-07		ENSG00000209729
3	8461088	8461402	8461245	10	14	7	1.797953799	0.0806593	LMCD1	ENSG00000071282
3	8473058	8473341	8473200	18	20	4	4.027416511	0.000652226	LMCD1	ENSG00000071282
3	8517281	8517550	8517414	8	11	3	2.876726079	0.0213797	LMCD1	ENSG00000071282
3	8542565	8542900	8542721	12	15	5	2.557089848	0.0169197	LMCD1	ENSG00000071282
3	8624245	8624465	8624355	11	11	2	3.835634772	0.00800699	C3orf32	ENSG00000125046
3	8636234	8636510	8636387	12	14	3	3.595907599	0.00486913	C3orf32	ENSG00000125046
3	8639683	8640017	8639850	9	12	3	3.116453252	0.0131971	C3orf32	ENSG00000125046
3	8646188	8646502	8646345	14	16	2	5.433815927	0.000499302	C3orf32	ENSG00000125046
3	8661132	8661319	8661225	9	10	0	10.54799562	0.000613541	C3orf32	ENSG00000125046
3	8732440	8732780	8732610	18	21	0	21.09599125	3.76E-07	CAV3	ENSG00000182533
3	8793800	8793998	8793899	8	8	2	2.876726079	0.0381137	OXTR	ENSG00000180914
3	8980027	8980656	8980518	10	23	7	2.876726079	0.00239423	RAD18	ENSG00000070950
3	8987707	8988065	8987822	10	15	9	1.534253909	0.136498	RAD18	ENSG00000070950
3	9004707	9005012	9004859	9	12	9	1.246581301	0.295061	RAD18	ENSG00000070950
3	9060479	9060658	9060490	9	10	0	10.54799562	0.000613541	RAD18	ENSG00000070950
3	9096408	9096687	9096547	8	10	5	1.757999271	0.121253	RAD18	ENSG00000070950
3	9166139	9166575	9166396	13	24	4	4.794543465	8.06E-05	SRGAP3	ENSG00000196220
3	9186080	9186332	9186167	8	11	6	1.643843474	0.137712	SRGAP3	ENSG00000196220

3	9375560	9375739	9375622	8	8	2	2.876726079	0.0381137	THUMPD3	ENSG00000134077
3	9412778	9413294	9413147	9	20	7	2.517135319	0.00849957		ENSG00000206573
3	9439355	9440109	9439534	12	32	12	2.434152836	0.00192998	SETD5	ENSG00000168137
3	9520045	9520276	9520187	8	10	3	2.636998906	0.034203	LHFPL4	ENSG00000156959
3	9748221	9748404	9748312	8	8	1	4.315089119	0.0127267	BRPF1	ENSG00000156983
3	9766412	9766804	9766605	9	17	5	2.876726079	0.00703033	OGG1	ENSG00000114026
3	9809334	9809890	9809504	11	22	7	2.756862493	0.003684	TADA3L	ENSG00000171148
3	9987069	9987383	9987208	14	17	2	5.753452158	0.000281509	TMEM111	ENSG00000125037
3	9993712	9994067	9993879	8	13	3	3.356180426	0.00805599	TMEM111	ENSG00000125037
3	10003407	10003611	10003492	9	9	3	2.397271733	0.0539397	TMEM111	ENSG00000125037
3	10102476	10102744	10102651	9	11	6	1.643843474	0.137712	C3orf24	ENSG00000163705
3	10264809	10265060	10264922	9	11	11	0.958908693	0.540507	TATDN2	ENSG00000157014
3	10387797	10388151	10387974	9	15	3	3.835634772	0.00291691		ENSG00000216135
3	10487212	10487471	10487355	8	10	1	5.273997812	0.00391723	ATP2B2	ENSG00000157087
3	10510253	10510470	10510363	8	8	5	1.43836304	0.235762	ATP2B2	ENSG00000157087
3	10564908	10565304	10565076	11	19	2	6.39272462	8.83E-05	ATP2B2	ENSG00000157087
3	10919748	10920240	10919933	31	44	3	10.7877228	1.57E-10	SLC6A11	ENSG00000132164
3	11077535	11077740	11077649	8	10	1	5.273997812	0.00391723	SLC6A1	ENSG00000157103
3	11253416	11253658	11253517	8	11	1	5.753452158	0.00215302		ENSG00000213964
3	11288761	11289186	11289007	20	28	4	5.56167042	9.22E-06	ATG7	ENSG00000197548
3	11421783	11421979	11421881	8	8	1	4.315089119	0.0127267	ATG7	ENSG00000197548
3	11471062	11471258	11471170	8	9	2	3.19636231	0.0229249	ATG7	ENSG00000197548
3	11495121	11495541	11495300	25	33	3	8.150723891	1.18E-07	ATG7	ENSG00000197548
3	11525267	11525565	11525416	8	9	7	1.198635866	0.346278	VGLL4	ENSG00000144560
3	11555709	11555906	11555780	8	9	6	1.369869562	0.253675	VGLL4	ENSG00000144560
3	11556286	11556504	11556367	9	9	4	1.917817386	0.103282	VGLL4	ENSG00000144560
3	11607484	11607725	11607619	8	9	6	1.369869562	0.253675	VGLL4	ENSG00000144560
3	11660311	11660583	11660451	9	12	9	1.246581301	0.295061	VGLL4	ENSG00000144560
3	11736907	11737242	11737074	10	13	3	3.356180426	0.00805599	VGLL4	ENSG00000144560
3	11786955	11787631	11787297	23	47	8	5.114179696	5.40E-08	VGLL4	ENSG00000144560
3	11787755	11787958	11787856	10	10	2	3.515998541	0.0136204	VGLL4	ENSG00000144560
3	11790860	11791066	11790905	8	10	5	1.757999271	0.121253	VGLL4	ENSG00000144560
3	11792832	11793126	11792980	16	20	4	4.027416511	0.000652226	VGLL4	ENSG00000144560
3	11820582	11820884	11820717	10	12	1	6.232906505	0.00117736	C3orf31	ENSG00000144559

3	11834618	11834933	11834781	11	15	3	3.835634772	0.00291691	C3orf31	ENSG00000144559
3	11867151	11867330	11867228	8	8	1	4.315089119	0.0127267	C3orf31	ENSG00000144559
3	12062948	12063226	12063078	11	14	5	2.397271733	0.0258078	SYN2	ENSG00000157152
3	12269401	12269647	12269568	9	10	0	10.54799562	0.000613541	PPARG	ENSG00000132170
3	12461433	12461724	12461586	10	12	4	2.493162602	0.0299057	TSEN2	ENSG00000154743
3	12573227	12573564	12573390	17	22	7	2.756862493	0.003684	MKRN2	ENSG00000075975
3	12588366	12588598	12588463	9	10	2	3.515998541	0.0136204	MKRN2	ENSG00000075975
3	12633085	12633313	12633199	8	8	4	1.726035648	0.150596		ENSG00000209806
3	12679675	12679874	12679802	8	10	2	3.515998541	0.0136204	RAF1	ENSG00000132155
3	12680549	12681022	12680728	9	17	10	1.569123316	0.112309	RAF1	ENSG00000132155
3	12775196	12775439	12775280	9	11	3	2.876726079	0.0213797	TMEM40	ENSG00000088726
3	12775689	12776085	12775906	14	22	2	7.351633313	1.51E-05	TMEM40	ENSG00000088726
3	12776389	12776638	12776475	9	10	4	2.109599125	0.0694668	TMEM40	ENSG00000088726
3	12779868	12780169	12780007	14	18	1	9.109632584	2.91E-05	TMEM40	ENSG00000088726
3	12827007	12827194	12827085	8	8	2	2.876726079	0.0381137	CAND2	ENSG00000144712
3	12857356	12857635	12857492	9	11	3	2.876726079	0.0213797	RPL32	ENSG00000144713
3	12857823	12858027	12857990	8	11	4	2.301380863	0.0459276	RPL32	ENSG00000144713
3	13000787	13001059	13000923	9	11	11	0.958908693	0.540507	IQSEC1	ENSG00000144711
3	13006813	13007051	13006881	9	12	0	12.46581301	0.000159888	IQSEC1	ENSG00000144711
3	13176457	13176776	13176605	11	14	4	2.876726079	0.01219	IQSEC1	ENSG00000144711
3	13195682	13195944	13195792	8	10	0	10.54799562	0.000613541	IQSEC1	ENSG00000144711
3	13246105	13246452	13246278	14	20	8	2.237453617	0.0160557	NUP210	ENSG00000132182
3	13317956	13318529	13318240	46	75	4	14.57541213	6.15E-18	NUP210	ENSG00000132182
3	13318699	13318913	13318827	11	12	0	12.46581301	0.000159888	NUP210	ENSG00000132182
3	13324948	13325145	13325046	8	9	6	1.369869562	0.253675	NUP210	ENSG00000132182
3	13429919	13430173	13430030	12	12	0	12.46581301	0.000159888	NUP210	ENSG00000132182
3	13471768	13472193	13471930	32	40	1	19.65762821	2.24E-11	HDAC11	ENSG00000163517
3	13542335	13542910	13542720	31	56	0	54.6577955	2.27E-17	FBLN2	ENSG00000163520
3	13901978	13902208	13902115	8	10	3	2.636998906	0.034203	WNT7A	ENSG00000154764
3	13907277	13907662	13907505	22	29	3	7.191815198	1.23E-06	WNT7A	ENSG00000154764
3	13911917	13912352	13912173	10	22	3	5.513724985	6.69E-05	WNT7A	ENSG00000154764
3	13913011	13913221	13913159	9	9	4	1.917817386	0.103282	WNT7A	ENSG00000154764
3	14023665	14023996	14023830	12	14	0	14.3836304	4.17E-05	TPRXL	ENSG00000180438
3	14141866	14142224	14142045	8	14	9	1.43836304	0.179537	TMEM43	ENSG00000170876

3	14142311	14142520	14142422	10	12	2	4.155271003	0.0046638	TMEM43	ENSG00000170876
3	14157518	14157697	14157618	8	8	4	1.726035648	0.150596	TMEM43	ENSG00000170876
3	14173013	14173204	14173108	9	9	6	1.369869562	0.253675	XPC	ENSG00000154767
3	14187442	14187637	14187537	8	9	2	3.19636231	0.0229249	XPC	ENSG00000154767
3	14194633	14195550	14195093	58	101	11	8.150723891	4.14E-19	XPC	ENSG00000154767
3	14251795	14251974	14251884	8	8	4	1.726035648	0.150596	LSM3	ENSG00000170860
3	14277731	14278014	14277898	10	12	4	2.493162602	0.0299057	LSM3	ENSG00000170860
3	14281987	14282392	14282213	16	25	5	4.155271003	0.000149583	LSM3	ENSG00000170860
3	14284500	14284798	14284632	8	11	8	1.278544924	0.28289	LSM3	ENSG00000170860
3	14341097	14341284	14341193	10	10	2	3.515998541	0.0136204		ENSG00000199609
3	14342286	14342653	14342488	25	30	5	4.954361581	1.11E-05		ENSG00000199609
3	14345142	14345379	14345276	10	12	4	2.493162602	0.0299057		ENSG00000199609
3	14388556	14388868	14388712	8	12	7	1.558226626	0.152813		ENSG00000199609
3	14418819	14419104	14418944	10	13	5	2.237453617	0.038866	SLC6A6	ENSG00000131389
3	14448591	14449056	14448877	16	23	13	1.643843474	0.0639146	SLC6A6	ENSG00000131389
3	14456093	14456399	14456246	10	12	8	1.385090334	0.219216	SLC6A6	ENSG00000131389
3	14478028	14478284	14478118	8	11	1	5.753452158	0.00215302	SLC6A6	ENSG00000131389
3	14505162	14505566	14505364	27	36	1	17.73981082	3.00E-10		ENSG00000207163
3	14614545	14614753	14614638	8	9	1	4.794543465	0.00708517	C3orf19	ENSG00000154781
3	14667925	14668466	14668153	20	33	12	2.507915043	0.00131447	C3orf19	ENSG00000154781
3	14670080	14670306	14670171	8	9	0	9.589086931	0.00120187	C3orf19	ENSG00000154781
3	14797371	14797729	14797535	10	15	12	1.180195315	0.324974	FGD5	ENSG00000154783
3	14839218	14839576	14839397	9	15	8	1.704726565	0.0916153	FGD5	ENSG00000154783
3	14893280	14893485	14893359	8	8	1	4.315089119	0.0127267	FGD5	ENSG00000154783
3	14893607	14893940	14893773	8	12	4	2.493162602	0.0299057	FGD5	ENSG00000154783
3	14937562	14937926	14937741	10	16	7	2.037680973	0.0400399	NR2C2	ENSG00000177463
3	15115120	15115429	15115259	9	11	7	1.43836304	0.204844	ZFYVE20	ENSG00000131381
3	15189388	15190059	15189560	26	47	2	15.34253909	2.95E-12	CAPN7	ENSG00000131375
3	15323657	15324004	15323830	14	18	1	9.109632584	2.91E-05	SH3BP5	ENSG00000131370
3	15327280	15327553	15327457	9	12	10	1.133255728	0.37674	SH3BP5	ENSG00000131370
3	15347925	15348120	15348022	8	8	1	4.315089119	0.0127267	SH3BP5	ENSG00000131370
3	15394704	15395101	15394969	8	13	8	1.491635745	0.166708		ENSG00000201162
3	15443799	15444286	15444131	10	23	8	2.557089848	0.00494559	EAF1	ENSG00000144597
3	15573309	15573488	15573374	8	8	2	2.876726079	0.0381137	COLQ	ENSG00000206561

3	15618056	15618398	15618227	9	13	8	1.491635745	0.166708	BTD	ENSG00000169814
3	15799319	15799524	15799444	8	8	1	4.315089119	0.0127267	ANKRD28	ENSG00000206560
3	15799989	15800213	15800108	9	10	1	5.273997812	0.00391723	ANKRD28	ENSG00000206560
3	16306106	16306337	16306221	8	8	1	4.315089119	0.0127267	OXNAD1	ENSG00000154814
3	16335795	16336048	16335921	8	10	0	10.54799562	0.000613541	OXNAD1	ENSG00000154814
3	16567341	16567520	16567369	8	9	2	3.19636231	0.0229249	RFTN1	ENSG00000131378
3	17260480	17260688	17260584	8	10	2	3.515998541	0.0136204	PLCL2	ENSG00000154822
3	17429534	17429877	17429699	9	13	2	4.474907234	0.00269459		ENSG00000209905
3	18328834	18329016	18328925	8	8	0	8.630178238	0.00235436	SATB1	ENSG00000182568
3	18405639	18405846	18405767	9	9	1	4.794543465	0.00708517	SATB1	ENSG00000182568
3	18515661	18516108	18515951	30	39	1	19.17817386	4.29E-11	SATB1	ENSG00000182568
3	18575942	18576180	18576061	11	12	2	4.155271003	0.0046638	SATB1	ENSG00000182568
3	18729932	18730152	18730016	12	13	0	13.4247217	8.16E-05		ENSG00000209918
3	18774499	18774932	18774753	18	29	5	4.794543465	1.89E-05		ENSG00000209918
3	18963136	18963329	18963232	8	9	3	2.397271733	0.0539397		ENSG00000209918
3	18981112	18981356	18981256	9	11	2	3.835634772	0.00800699		ENSG00000209918
3	19424068	19424270	19424173	8	8	2	2.876726079	0.0381137	KCNH8	ENSG00000183960
3	19473930	19474284	19474107	14	19	2	6.39272462	8.83E-05	KCNH8	ENSG00000183960
3	19484847	19485036	19484924	8	9	0	9.589086931	0.00120187	KCNH8	ENSG00000183960
3	19883319	19883501	19883379	8	10	1	5.273997812	0.00391723	EFHB	ENSG00000163576
3	19901972	19902286	19902134	9	13	3	3.356180426	0.00805599	EFHB	ENSG00000163576
3	19963152	19963742	19963563	12	28	9	2.78083521	0.00127094	EFHB	ENSG00000163576
3	19988394	19988806	19988630	16	26	7	3.236316839	0.000628017		ENSG00000201545
3	20056206	20056437	20056334	10	13	0	13.4247217	8.16E-05	KAT2B	ENSG00000114166
3	20057922	20058407	20058287	9	17	10	1.569123316	0.112309	KAT2B	ENSG00000114166
3	20071202	20071436	20071359	11	12	3	3.116453252	0.0131971	KAT2B	ENSG00000114166
3	20073783	20073982	20073866	8	10	2	3.515998541	0.0136204	KAT2B	ENSG00000114166
3	20094787	20095245	20095016	42	63	3	15.34253909	1.21E-15	KAT2B	ENSG00000114166
3	23034421	23034605	23034527	9	10	1	5.273997812	0.00391723		ENSG00000215016
3	24015488	24015695	24015591	8	10	1	5.273997812	0.00391723	NR1D2	ENSG00000174738
3	24379823	24380018	24379947	8	8	3	2.157544559	0.0836802	THRB	ENSG00000151090
3	24849420	24849669	24849505	14	15	1	7.671269544	0.000187863		ENSG00000210001
3	25309123	25309382	25309244	8	11	0	11.50690432	0.000313206		ENSG00000213877
3	27108159	27108465	27108310	14	15	5	2.557089848	0.0169197	NEK10	ENSG00000163491

3	27270338	27270548	27270443	8	10	2	3.515998541	0.0136204		ENSG00000207251
3	27697750	27698050	27697883	10	12	7	1.558226626	0.152813	EOMES	ENSG00000163508
3	27728642	27728848	27728687	8	10	3	2.636998906	0.034203	EOMES	ENSG00000163508
3	28257800	28258023	28257903	9	9	2	3.19636231	0.0229249	CMC1	ENSG00000187118
3	28614655	28614987	28614820	19	23	2	7.671269544	8.30E-06	C3orf53	ENSG00000178811
3	29953810	29953992	29953902	8	8	2	2.876726079	0.0381137		ENSG00000203652
3	30110150	30110465	30110307	15	19	3	4.794543465	0.000349205		ENSG00000203652
3	30205292	30205504	30205364	8	8	6	1.232882605	0.333038		ENSG00000199927
3	30564954	30565434	30565133	11	21	1	10.54799562	4.43E-06	TGFBR2	ENSG00000163513
3	30700424	30700614	30700515	8	9	0	9.589086931	0.00120187	TGFBR2	ENSG00000163513
3	30742104	30742307	30742205	8	8	0	8.630178238	0.00235436	TGFBR2	ENSG00000163513
3	30981119	30981391	30981255	12	14	1	7.191815198	0.00034761	GADL1	ENSG00000144644
3	31122852	31123081	31122954	10	10	2	3.515998541	0.0136204		ENSG00000213854
3	31964170	31964360	31964271	8	8	4	1.726035648	0.150596	OSBPL10	ENSG00000144645
3	32053552	32053826	32053689	10	14	2	4.794543465	0.00154571		ENSG00000201701
3	32149281	32149694	32149425	20	26	3	6.472633678	6.96E-06	GPD1L	ENSG00000152642
3	32193807	32194021	32193903	9	11	9	1.150690432	0.367789		ENSG00000210105
3	32423376	32424117	32423746	31	56	3	13.66444888	9.60E-14	CMTM7	ENSG00000153551
3	32526675	32526878	32526781	8	10	3	2.636998906	0.034203		ENSG00000213849
3	32646773	32646988	32646870	10	12	2	4.155271003	0.0046638	CNOT10	ENSG00000182973
3	32964256	32964644	32964408	9	14	3	3.595907599	0.00486913	CCR4	ENSG00000183813
3	33484268	33484994	33484525	51	80	2	25.89053471	1.86E-21		ENSG00000202175
3	33498648	33499034	33498782	9	13	6	1.917817386	0.0693353		ENSG00000202175
3	33595457	33595648	33595572	8	10	2	3.515998541	0.0136204	CLASP2	ENSG00000163539
3	33815415	33815650	33815532	10	12	3	3.116453252	0.0131971	PDCD6IP	ENSG00000170248
3	34033446	34033683	34033564	8	9	1	4.794543465	0.00708517	PDCD6IP	ENSG00000170248
3	34041466	34041763	34041617	11	12	1	6.232906505	0.00117736	PDCD6IP	ENSG00000170248
3	36949171	36949768	36949529	36	56	1	27.32889775	6.55E-16		ENSG00000210181
3	36986284	36986599	36986441	10	15	1	7.671269544	0.000187863		ENSG00000210181
3	37010087	37010444	37010265	12	18	2	6.073088389	0.000157975	MLH1	ENSG00000076242
3	37260526	37260895	37260668	10	15	2	5.114179696	0.00088103		ENSG00000176354
3	37559417	37559676	37559546	13	13	4	2.684944341	0.01921	ITGA9	ENSG00000144668
3	37677216	37677644	37677395	29	38	2	12.46581301	8.46E-10	CTDSPL	ENSG00000144677
3	37962452	37962854	37962688	10	16	5	2.716907964	0.0109645		ENSG00000199075

3	38013346	38013594	38013492	13	14	6	2.054804342	0.0480281	VILL	ENSG00000136059
3	38041060	38041341	38041167	10	14	2	4.794543465	0.00154571	PLCD1	ENSG00000187091
3	38042321	38042560	38042467	8	10	3	2.636998906	0.034203	PLCD1	ENSG00000187091
3	38047708	38047900	38047804	8	8	1	4.315089119	0.0127267	PLCD1	ENSG00000187091
3	38512737	38512989	38512819	9	12	5	2.077635502	0.0577144	ENDOGL2	ENSG00000157036
3	38547245	38547481	38547363	10	11	1	5.753452158	0.00215302		ENSG00000207512
3	39068355	39068570	39068461	8	10	3	2.636998906	0.034203	WDR48	ENSG00000114742
3	39142334	39142596	39142465	12	13	4	2.684944341	0.01921	GORASP1	ENSG00000114745
3	39167471	39167693	39167574	9	12	2	4.155271003	0.0046638	AXUD1	ENSG00000144655
3	39230961	39231147	39231032	9	9	2	3.19636231	0.0229249	XIRP1	ENSG00000168334
3	39515145	39515331	39515256	9	9	4	1.917817386	0.103282	MOBP	ENSG00000168314
3	40061024	40061386	40061203	20	27	3	6.712360851	3.92E-06		ENSG00000201570
3	40326324	40326540	40326432	8	9	3	2.397271733	0.0539397	EIF1B	ENSG00000114784
3	40469950	40470156	40470053	9	9	2	3.19636231	0.0229249	RPL14	ENSG00000188846
3	41284660	41284957	41284808	9	13	2	4.474907234	0.00269459	CTNNB1	ENSG00000168036
3	41487948	41488270	41488106	16	20	1	10.06854128	8.32E-06		ENSG00000221337
3	42273642	42273877	42273759	11	11	0	11.50690432	0.000313206	CCK	ENSG00000187094
3	42839684	42840298	42840062	87	128	4	24.73984428	1.58E-32	CCBP2	ENSG00000144648
3	44778006	44778194	44778124	8	8	2	2.876726079	0.0381137	KIAA1143	ENSG00000163807
3	45105132	45105408	45105286	8	10	4	2.109599125	0.0694668	CDCP1	ENSG00000163814
3	45435008	45435391	45435166	11	17	4	3.452071295	0.00292757	LARS2	ENSG00000011376
3	46646606	46646929	46646766	13	17	3	4.315089119	0.00102271		ENSG00000203651
3	46677136	46677689	46677487	54	71	4	13.80828518	7.37E-17	ALS2CL	ENSG00000178038
3	46779642	46780028	46779863	24	30	0	29.72616948	8.86E-10		ENSG00000206549
3	47460552	47460973	47460794	10	19	3	4.794543465	0.000349205	SCAP	ENSG00000114650
3	48249261	48249443	48249419	8	8	3	2.157544559	0.0836802	ZNF589	ENSG00000164048
3	48448902	48449322	48449149	25	36	0	35.47962164	1.57E-11	PLXNB1	ENSG00000164050
3	48449591	48449783	48449673	9	9	1	4.794543465	0.00708517	PLXNB1	ENSG00000164050
3	48457108	48457296	48457202	8	8	1	4.315089119	0.0127267	CCDC51	ENSG00000164051
3	48721566	48721787	48721692	8	10	0	10.54799562	0.000613541	IHPK2	ENSG00000068745
3	49735794	49736088	49735940	8	10	4	2.109599125	0.0694668	AMIGO3	ENSG00000176020
3	50863562	50863869	50863721	10	14	0	14.3836304	4.17E-05		ENSG00000188420
3	51974700	51974969	51974834	9	10	0	10.54799562	0.000613541	PCBP4	ENSG00000090097
3	52004908	52005193	52005050	14	17	4	3.452071295	0.00292757	RPL29	ENSG00000162244

3	52116037	52116359	52116200	14	15	0	15.34253909	2.13E-05	C3orf74	ENSG00000221939
3	52615783	52616018	52615853	11	13	2	4.474907234	0.00269459		ENSG00000221518
3	53278864	53279395	53279170	76	96	1	46.50707161	2.29E-27		ENSG00000210751
3	53356465	53356895	53356716	9	17	12	1.327719729	0.212795	DCP1A	ENSG00000162290
3	53540807	53541035	53540921	10	12	1	6.232906505	0.00117736	CACNA1D	ENSG00000157388
3	53592314	53592541	53592414	11	11	1	5.753452158	0.00215302	CACNA1D	ENSG00000157388
3	54329578	54329757	54329681	8	8	2	2.876726079	0.0381137	CACNA2D3	ENSG00000157445
3	54331523	54331763	54331643	9	9	4	1.917817386	0.103282	CACNA2D3	ENSG00000157445
3	54663164	54663526	54663347	8	14	0	14.3836304	4.17E-05	CACNA2D3	ENSG00000157445
3	54900676	54900933	54900819	13	15	4	3.068507818	0.0076507	LRTM1	ENSG00000144771
3	54996759	54997057	54996930	10	12	2	4.155271003	0.0046638	LRTM1	ENSG00000144771
3	55667800	55668048	55667915	12	14	0	14.3836304	4.17E-05		ENSG00000178189
3	56379074	56379320	56379199	8	8	5	1.43836304	0.235762	ERC2	ENSG00000187672
3	56458817	56458996	56458907	8	9	0	9.589086931	0.00120187	ERC2	ENSG00000187672
3	56792635	56793589	56793105	46	87	0	84.38396499	2.01E-26	ARHGEF3	ENSG00000163947
3	56895330	56895509	56895352	8	8	0	8.630178238	0.00235436	ARHGEF3	ENSG00000163947
3	57024157	57024537	57024363	21	27	4	5.369888681	1.60E-05	ARHGEF3	ENSG00000163947
3	57516778	57517067	57516948	10	13	3	3.356180426	0.00805599	PDE12	ENSG00000174840
3	57764477	57764836	57764630	11	16	2	5.433815927	0.000499302	SLMAP	ENSG00000163681
3	58010124	58010332	58010220	9	9	0	9.589086931	0.00120187		ENSG00000197750
3	58835213	58835404	58835283	8	9	1	4.794543465	0.00708517	C3orf67	ENSG00000163689
3	59354535	59354925	59354764	32	39	0	38.35634772	2.09E-12	C3orf67	ENSG00000163689
3	59614897	59615146	59615033	10	11	2	3.835634772	0.00800699		
3	59759521	59759939	59759760	11	19	2	6.39272462	8.83E-05		
3	60026004	60026183	60026126	8	8	3	2.157544559	0.0836802	FHIT	ENSG00000189283
3	61586624	61586841	61586732	10	10	7	1.318499453	0.269217	PTPRG	ENSG00000144724
3	61587190	61587506	61587348	10	12	8	1.385090334	0.219216	PTPRG	ENSG00000144724
3	61588444	61588909	61588615	9	17	16	1.015315087	0.480915	PTPRG	ENSG00000144724
3	61589238	61589736	61589374	10	21	7	2.636998906	0.00562102	PTPRG	ENSG00000144724
3	61595331	61595707	61595528	16	24	11	1.997726444	0.0196649	PTPRG	ENSG00000144724
3	61601501	61601871	61601543	8	15	9	1.534253909	0.136498	PTPRG	ENSG00000144724
3	61601886	61602204	61602057	8	12	4	2.493162602	0.0299057	PTPRG	ENSG00000144724
3	61603006	61603711	61603339	11	28	24	1.112334084	0.346253	PTPRG	ENSG00000144724
3	61608936	61609410	61609231	9	19	10	1.743470351	0.0622604	PTPRG	ENSG00000144724

3	61614622	61614830	61614719	8	9	7	1.198635866	0.346278	PTPRG	ENSG00000144724
3	61615821	61616111	61615943	12	15	8	1.704726565	0.0916153	PTPRG	ENSG00000144724
3	61617036	61617295	61617160	8	11	5	1.917817386	0.0843804	PTPRG	ENSG00000144724
3	61617327	61617634	61617461	9	11	4	2.301380863	0.0459276	PTPRG	ENSG00000144724
3	61623354	61623542	61623494	9	11	1	5.753452158	0.00215302	PTPRG	ENSG00000144724
3	61627180	61627434	61627293	10	12	14	0.831054201	0.689281	PTPRG	ENSG00000144724
3	61630771	61631041	61630887	10	13	9	1.34247217	0.232231	PTPRG	ENSG00000144724
3	61635251	61635564	61635407	8	12	4	2.493162602	0.0299057	PTPRG	ENSG00000144724
3	61645127	61645436	61645275	10	14	7	1.797953799	0.0806593	PTPRG	ENSG00000144724
3	61648268	61648458	61648442	8	9	5	1.598181155	0.170911	PTPRG	ENSG00000144724
3	61648461	61648695	61648578	9	11	5	1.917817386	0.0843804	PTPRG	ENSG00000144724
3	61656630	61656858	61656762	8	8	3	2.157544559	0.0836802	PTPRG	ENSG00000144724
3	61657497	61657871	61657693	8	13	5	2.237453617	0.038866	PTPRG	ENSG00000144724
3	61658030	61658672	61658327	14	38	13	2.671245645	0.000355791	PTPRG	ENSG00000144724
3	61660404	61660640	61660543	10	13	5	2.237453617	0.038866	PTPRG	ENSG00000144724
3	61665781	61666027	61665953	9	12	15	0.779113313	0.750998	PTPRG	ENSG00000144724
3	61666332	61667173	61666827	9	33	20	1.552518836	0.0525199	PTPRG	ENSG00000144724
3	61670357	61670694	61670525	10	13	8	1.491635745	0.166708	PTPRG	ENSG00000144724
3	61671007	61671208	61671103	8	9	4	1.917817386	0.103282	PTPRG	ENSG00000144724
3	61674400	61674656	61674528	9	12	5	2.077635502	0.0577144	PTPRG	ENSG00000144724
3	61677280	61677514	61677385	9	9	3	2.397271733	0.0539397	PTPRG	ENSG00000144724
3	61679287	61679475	61679381	8	9	14	0.639272462	0.869513	PTPRG	ENSG00000144724
3	61679705	61680001	61679859	13	16	8	1.811271976	0.0663685	PTPRG	ENSG00000144724
3	61680605	61680784	61680650	8	8	6	1.232882605	0.333038	PTPRG	ENSG00000144724
3	61682934	61683185	61683098	8	11	8	1.278544924	0.28289	PTPRG	ENSG00000144724
3	61694091	61694441	61694266	15	21	11	1.757999271	0.0516118	PTPRG	ENSG00000144724
3	61702853	61703062	61702957	8	8	3	2.157544559	0.0836802	PTPRG	ENSG00000144724
3	61716279	61716482	61716380	9	9	11	0.799090578	0.702688	PTPRG	ENSG00000144724
3	61717520	61717804	61717644	8	11	6	1.643843474	0.137712	PTPRG	ENSG00000144724
3	61718129	61718328	61718228	9	11	8	1.278544924	0.28289	PTPRG	ENSG00000144724
3	61729505	61729727	61729638	8	11	3	2.876726079	0.0213797	PTPRG	ENSG00000144724
3	61730551	61730833	61730671	10	12	9	1.246581301	0.295061	PTPRG	ENSG00000144724
3	61737817	61738066	61737972	8	10	5	1.757999271	0.121253	PTPRG	ENSG00000144724
3	61742752	61742953	61742852	8	10	9	1.054799562	0.4492	PTPRG	ENSG00000144724

3	61748736	61749066	61748897	9	12	7	1.558226626	0.152813	PTPRG	ENSG00000144724
3	61754327	61754506	61754358	8	8	2	2.876726079	0.0381137	PTPRG	ENSG00000144724
3	61759422	61759770	61759596	9	14	2	4.794543465	0.00154571	PTPRG	ENSG00000144724
3	61763548	61763866	61763719	12	15	6	2.191791298	0.0328001	PTPRG	ENSG00000144724
3	61765006	61765353	61765179	9	14	11	1.198635866	0.315918	PTPRG	ENSG00000144724
3	61765678	61765905	61765778	8	11	6	1.643843474	0.137712	PTPRG	ENSG00000144724
3	61768437	61769220	61768719	16	36	25	1.364600832	0.108713	PTPRG	ENSG00000144724
3	61769377	61769642	61769537	8	10	15	0.659249726	0.861705	PTPRG	ENSG00000144724
3	61774922	61775277	61775082	9	14	8	1.598181155	0.124586	PTPRG	ENSG00000144724
3	61776611	61776894	61776752	10	14	6	2.054804342	0.0480281	PTPRG	ENSG00000144724
3	61789131	61789477	61789304	14	19	11	1.598181155	0.0927758	PTPRG	ENSG00000144724
3	61798734	61799139	61798998	10	17	10	1.569123316	0.112309	PTPRG	ENSG00000144724
3	61805867	61806137	61806002	8	10	6	1.506856518	0.188853	PTPRG	ENSG00000144724
3	61808916	61809230	61809073	11	15	4	3.068507818	0.0076507	PTPRG	ENSG00000144724
3	61818861	61819251	61819023	12	18	8	2.024362796	0.0334397	PTPRG	ENSG00000144724
3	61822032	61822323	61822200	9	11	10	1.046082211	0.455063	PTPRG	ENSG00000144724
3	61826966	61827214	61827090	9	13	4	2.684944341	0.01921	PTPRG	ENSG00000144724
3	61833857	61834040	61833948	9	9	5	1.598181155	0.170911	PTPRG	ENSG00000144724
3	61835624	61836095	61835803	9	18	9	1.821926517	0.0548428	PTPRG	ENSG00000144724
3	61838260	61838456	61838364	8	9	4	1.917817386	0.103282	PTPRG	ENSG00000144724
3	61845643	61845913	61845778	8	11	5	1.917817386	0.0843804	PTPRG	ENSG00000144724
3	61846679	61846886	61846782	9	9	5	1.598181155	0.170911	PTPRG	ENSG00000144724
3	61847919	61848146	61848040	10	11	8	1.278544924	0.28289	PTPRG	ENSG00000144724
3	61855267	61855476	61855371	9	11	5	1.917817386	0.0843804	PTPRG	ENSG00000144724
3	61855597	61856109	61855776	13	30	17	1.65145386	0.0409633	PTPRG	ENSG00000144724
3	61861690	61861920	61861835	8	10	3	2.636998906	0.034203	PTPRG	ENSG00000144724
3	61866267	61866487	61866377	10	10	2	3.515998541	0.0136204	PTPRG	ENSG00000144724
3	61867946	61868160	61868020	8	10	5	1.757999271	0.121253	PTPRG	ENSG00000144724
3	61873353	61873537	61873460	8	9	9	0.958908693	0.536911	PTPRG	ENSG00000144724
3	61874689	61874991	61874838	8	11	8	1.278544924	0.28289	PTPRG	ENSG00000144724
3	61879802	61880281	61879981	15	25	20	1.187220287	0.276369	PTPRG	ENSG00000144724
3	61880722	61881015	61880824	10	14	8	1.598181155	0.124586	PTPRG	ENSG00000144724
3	61897001	61897468	61897289	15	27	13	1.917817386	0.0192196	PTPRG	ENSG00000144724
3	61900020	61900211	61900115	8	11	9	1.150690432	0.367789	PTPRG	ENSG00000144724

3	61900434	61900619	61900513	9	11	4	2.301380863	0.0459276	PTPRG	ENSG00000144724
3	61907372	61907565	61907456	8	9	6	1.369869562	0.253675	PTPRG	ENSG00000144724
3	61913246	61913665	61913391	13	20	18	1.05984645	0.425516	PTPRG	ENSG00000144724
3	61914704	61915215	61914959	9	18	16	1.07172148	0.415914	PTPRG	ENSG00000144724
3	61915392	61915669	61915533	9	11	10	1.046082211	0.455063	PTPRG	ENSG00000144724
3	61918559	61918758	61918658	8	8	2	2.876726079	0.0381137	PTPRG	ENSG00000144724
3	61925177	61925356	61925241	8	8	8	0.958908693	0.534974	PTPRG	ENSG00000144724
3	61929666	61929938	61929802	9	13	2	4.474907234	0.00269459	PTPRG	ENSG00000144724
3	61934785	61935013	61934879	8	10	4	2.109599125	0.0694668	PTPRG	ENSG00000144724
3	61936977	61937238	61937075	9	11	7	1.43836304	0.204844	PTPRG	ENSG00000144724
3	61940654	61940842	61940791	8	10	2	3.515998541	0.0136204	PTPRG	ENSG00000144724
3	61942064	61942276	61942206	8	9	8	1.065454103	0.442605	PTPRG	ENSG00000144724
3	61957051	61957364	61957207	15	18	7	2.277408146	0.0188653	PTPRG	ENSG00000144724
3	61957378	61957692	61957535	11	15	12	1.180195315	0.324974	PTPRG	ENSG00000144724
3	61958330	61958600	61958452	10	10	9	1.054799562	0.4492	PTPRG	ENSG00000144724
3	61961143	61961418	61961250	8	10	4	2.109599125	0.0694668	PTPRG	ENSG00000144724
3	61961779	61962051	61961915	10	12	6	1.78083043	0.0985525	PTPRG	ENSG00000144724
3	61963685	61963876	61963775	8	8	5	1.43836304	0.235762	PTPRG	ENSG00000144724
3	61966102	61966364	61966233	9	13	7	1.678090213	0.11195	PTPRG	ENSG00000144724
3	61967479	61968766	61968332	28	75	33	2.143442961	5.77E-05	PTPRG	ENSG00000144724
3	61971870	61972242	61972070	10	16	11	1.358453982	0.20248	PTPRG	ENSG00000144724
3	61972609	61972935	61972772	9	14	11	1.198635866	0.315918	PTPRG	ENSG00000144724
3	61978601	61978947	61978809	8	12	4	2.493162602	0.0299057	PTPRG	ENSG00000144724
3	61987876	61988245	61988127	11	16	9	1.630144778	0.102169	PTPRG	ENSG00000144724
3	61997007	61997236	61997124	8	10	5	1.757999271	0.121253	PTPRG	ENSG00000144724
3	62002791	62002985	62002888	10	11	4	2.301380863	0.0459276	PTPRG	ENSG00000144724
3	62006499	62006860	62006678	8	16	10	1.481949798	0.147733	PTPRG	ENSG00000144724
3	62012368	62012712	62012547	10	15	14	1.022835939	0.473606	PTPRG	ENSG00000144724
3	62019757	62020280	62020039	10	20	8	2.237453617	0.0160557	PTPRG	ENSG00000144724
3	62032013	62032247	62032130	10	12	6	1.78083043	0.0985525	PTPRG	ENSG00000144724
3	62036204	62036542	62036383	8	11	10	1.046082211	0.455063	PTPRG	ENSG00000144724
3	62045288	62045502	62045399	9	10	9	1.054799562	0.4492	PTPRG	ENSG00000144724
3	62048664	62048876	62048770	8	9	1	4.794543465	0.00708517	PTPRG	ENSG00000144724
3	62049740	62049999	62049890	9	11	7	1.43836304	0.204844	PTPRG	ENSG00000144724

3	62080837	62081072	62080954	10	11	5	1.917817386	0.0843804	PTPRG	ENSG00000144724
3	62086272	62086547	62086400	13	14	5	2.397271733	0.0258078	PTPRG	ENSG00000144724
3	62089627	62089806	62089716	8	8	7	1.07877228	0.435076	PTPRG	ENSG00000144724
3	62092382	62092700	62092541	11	15	7	1.917817386	0.0572317	PTPRG	ENSG00000144724
3	62106448	62106765	62106606	8	11	4	2.301380863	0.0459276	PTPRG	ENSG00000144724
3	62124903	62125272	62125070	8	13	9	1.34247217	0.232231	C3orf14	ENSG00000114405
3	62144544	62144794	62144669	13	15	4	3.068507818	0.0076507	C3orf14	ENSG00000114405
3	62144843	62145367	62145143	9	19	11	1.598181155	0.0927758	C3orf14	ENSG00000114405
3	62148235	62148541	62148388	9	13	6	1.917817386	0.0693353	C3orf14	ENSG00000114405
3	62149577	62150184	62149727	17	31	14	2.045671879	0.00841532	C3orf14	ENSG00000114405
3	62162238	62162480	62162355	13	14	8	1.598181155	0.124586	C3orf14	ENSG00000114405
3	62201840	62202222	62202019	11	17	8	1.917817386	0.0474153	C3orf14	ENSG00000114405
3	62216319	62216504	62216411	8	8	8	0.958908693	0.534974	C3orf14	ENSG00000114405
3	62248813	62249184	62248992	8	15	8	1.704726565	0.0916153	C3orf14	ENSG00000114405
3	62255552	62255738	62255693	8	9	2	3.19636231	0.0229249	C3orf14	ENSG00000114405
3	62258352	62258569	62258419	9	10	5	1.757999271	0.121253	C3orf14	ENSG00000114405
3	62260079	62260273	62260176	9	9	6	1.369869562	0.253675	C3orf14	ENSG00000114405
3	62278334	62278567	62278450	9	10	3	2.636998906	0.034203	C3orf14	ENSG00000114405
3	62279124	62279638	62279455	9	21	24	0.84383965	0.72062	C3orf14	ENSG00000114405
3	62279778	62280127	62279907	10	15	18	0.807502057	0.737835	C3orf14	ENSG00000114405
3	62280557	62280885	62280721	13	19	12	1.475244143	0.131365	C3orf14	ENSG00000114405
3	62310325	62310700	62310434	8	14	4	2.876726079	0.01219	FEZF2	ENSG00000153266
3	62310801	62310980	62310871	8	8	5	1.43836304	0.235762	FEZF2	ENSG00000153266
3	62386307	62386525	62386417	8	9	9	0.958908693	0.536911	FEZF2	ENSG00000153266
3	62405045	62405238	62405086	8	8	2	2.876726079	0.0381137	FEZF2	ENSG00000153266
3	62405349	62405528	62405438	9	9	6	1.369869562	0.253675	FEZF2	ENSG00000153266
3	62406464	62406643	62406520	8	9	1	4.794543465	0.00708517	FEZF2	ENSG00000153266
3	62414457	62414752	62414632	10	14	15	0.8989769	0.617119	FEZF2	ENSG00000153266
3	62432076	62432356	62432239	8	10	5	1.757999271	0.121253	FEZF2	ENSG00000153266
3	62436963	62437217	62437092	8	8	15	0.53938614	0.937867	FEZF2	ENSG00000153266
3	62450696	62451105	62450856	8	15	2	5.114179696	0.00088103	FEZF2	ENSG00000153266
3	62454801	62455203	62454918	11	17	2	5.753452158	0.000281509	FEZF2	ENSG00000153266
3	62470004	62470183	62470075	8	8	5	1.43836304	0.235762	FEZF2	ENSG00000153266
3	62474127	62474446	62474283	8	11	7	1.43836304	0.204844	FEZF2	ENSG00000153266

3	62479035	62479354	62479194	10	13	10	1.220429246	0.306001	FEZF2	ENSG00000153266
3	62485826	62486141	62485991	9	14	3	3.595907599	0.00486913	FEZF2	ENSG00000153266
3	62503078	62503277	62503228	8	9	9	0.958908693	0.536911	FEZF2	ENSG00000153266
3	62507050	62507273	62507194	9	9	11	0.799090578	0.702688	FEZF2	ENSG00000153266
3	62511093	62511538	62511272	9	19	14	1.278544924	0.231514	FEZF2	ENSG00000153266
3	62511771	62512017	62511901	8	9	6	1.369869562	0.253675	FEZF2	ENSG00000153266
3	62514258	62514540	62514372	8	10	3	2.636998906	0.034203	FEZF2	ENSG00000153266
3	62516122	62516364	62516243	8	9	7	1.198635866	0.346278	FEZF2	ENSG00000153266
3	62517753	62517983	62517912	9	11	5	1.917817386	0.0843804	FEZF2	ENSG00000153266
3	62519300	62519588	62519447	15	17	11	1.43836304	0.15834	FEZF2	ENSG00000153266
3	62520576	62520919	62520748	19	22	10	2.004990904	0.023438	FEZF2	ENSG00000153266
3	62550986	62551393	62551232	17	24	11	1.997726444	0.0196649		ENSG00000210876
3	62552201	62552402	62552299	8	8	4	1.726035648	0.150596		ENSG00000210876
3	62553852	62554073	62553962	9	10	8	1.171999514	0.35773		ENSG00000210876
3	62562246	62562554	62562400	14	17	7	2.157544559	0.0276499		ENSG00000210876
3	62566336	62566835	62566589	8	19	14	1.278544924	0.231514		ENSG00000210876
3	62575137	62575613	62575434	12	21	5	3.515998541	0.00108602		ENSG00000210876
3	62575942	62576220	62576076	8	11	4	2.301380863	0.0459276		ENSG00000210876
3	62578898	62579167	62579008	8	11	6	1.643843474	0.137712		ENSG00000210876
3	62579208	62579444	62579295	9	11	4	2.301380863	0.0459276		ENSG00000210876
3	62583086	62584036	62583418	15	40	21	1.78705711	0.0117653		ENSG00000210876
3	62585329	62585548	62585396	9	10	2	3.515998541	0.0136204		ENSG00000210876
3	62586902	62587444	62587265	13	28	8	3.0898169	0.000588149		ENSG00000210876
3	62593399	62593766	62593578	13	18	12	1.401481936	0.168368		ENSG00000210876
3	62600348	62600532	62600440	8	8	3	2.157544559	0.0836802		ENSG00000210876
3	62604442	62604627	62604529	9	9	10	0.871735176	0.624623		ENSG00000210876
3	62607402	62607814	62607635	11	19	12	1.475244143	0.131365		ENSG00000210876
3	62622696	62622887	62622791	8	8	2	2.876726079	0.0381137		ENSG00000210876
3	62638137	62638412	62638274	9	11	7	1.43836304	0.204844		ENSG00000210876
3	62640218	62640472	62640341	8	9	5	1.598181155	0.170911		ENSG00000210876
3	62644916	62645151	62645010	9	10	1	5.273997812	0.00391723		ENSG00000210876
3	62648860	62649083	62648987	11	12	3	3.116453252	0.0131971		ENSG00000210876
3	62651322	62651538	62651417	10	10	7	1.318499453	0.269217		ENSG00000210876
3	62692117	62692302	62692210	9	10	4	2.109599125	0.0694668		ENSG00000210876

3	62700731	62700937	62700813	8	10	2	3.515998541	0.0136204	ENSG00000210876
3	62711242	62711507	62711342	9	12	3	3.116453252	0.0131971	ENSG00000210876
3	62726087	62726296	62726191	8	9	2	3.19636231	0.0229249	ENSG00000210876
3	62761569	62761803	62761686	9	10	4	2.109599125	0.0694668	ENSG00000210876
3	62794278	62794471	62794346	9	10	12	0.811384279	0.697544	ENSG00000210884
3	62821702	62821881	62821791	8	8	14	0.575345216	0.912234 CADPS	ENSG00000163618
3	62822554	62822733	62822643	8	9	4	1.917817386	0.103282 CADPS	ENSG00000163618
3	62834435	62834684	62834585	11	12	4	2.493162602	0.0299057 CADPS	ENSG00000163618
3	62848352	62848628	62848490	8	11	4	2.301380863	0.0459276 CADPS	ENSG00000163618
3	62848890	62849164	62848995	14	16	11	1.358453982	0.20248 CADPS	ENSG00000163618
3	62849975	62850228	62850101	11	12	3	3.116453252	0.0131971 CADPS	ENSG00000163618
3	62861858	62862094	62861970	9	10	3	2.636998906	0.034203 CADPS	ENSG00000163618
3	62868386	62868732	62868564	9	13	7	1.678090213	0.11195 CADPS	ENSG00000163618
3	62873672	62874005	62873889	12	16	3	4.075361945	0.00173346 CADPS	ENSG00000163618
3	62877787	62878022	62877904	8	8	4	1.726035648	0.150596 CADPS	ENSG00000163618
3	62878080	62878339	62878209	10	13	5	2.237453617	0.038866 CADPS	ENSG00000163618
3	62880471	62880753	62880612	11	13	4	2.684944341	0.01921 CADPS	ENSG00000163618
3	62885256	62885590	62885435	9	13	8	1.491635745	0.166708 CADPS	ENSG00000163618
3	62885925	62886289	62886187	8	13	5	2.237453617	0.038866 CADPS	ENSG00000163618
3	62909250	62909429	62909339	8	8	13	0.616441303	0.878084 CADPS	ENSG00000163618
3	62915490	62915699	62915597	8	10	7	1.318499453	0.269217 CADPS	ENSG00000163618
3	62923634	62923913	62923758	9	12	1	6.232906505	0.00117736 CADPS	ENSG00000163618
3	62953734	62954057	62953907	11	15	3	3.835634772	0.00291691 CADPS	ENSG00000163618
3	62992909	62993099	62992973	8	10	8	1.171999514	0.35773 CADPS	ENSG00000163618
3	63008404	63008583	63008498	8	8	2	2.876726079	0.0381137 CADPS	ENSG00000163618
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3	63011237	63011500	63011368	9	11	5	1.917817386	0.0843804 CADPS	ENSG00000163618
3	63022071	63022259	63022175	8	8	2	2.876726079	0.0381137 CADPS	ENSG00000163618
3	63028827	63029111	63028969	9	12	10	1.133255728	0.37674 CADPS	ENSG00000163618
3	63029922	63030146	63030034	8	8	5	1.43836304	0.235762 CADPS	ENSG00000163618
3	63037170	63037673	63037385	8	19	14	1.278544924	0.231514 CADPS	ENSG00000163618
3	63046974	63047165	63047007	8	9	9	0.958908693	0.536911 CADPS	ENSG00000163618
3	63051038	63051249	63051217	8	10	5	1.757999271	0.121253 CADPS	ENSG00000163618
3	63053111	63053298	63053146	8	8	5	1.43836304	0.235762 CADPS	ENSG00000163618

3	63083178	63083426	63083302	9	10	9	1.054799562	0.4492	ENSG00000222622
3	63083582	63083878	63083730	8	12	2	4.155271003	0.0046638	ENSG00000222622
3	63089644	63089900	63089733	9	9	7	1.198635866	0.346278	ENSG00000222622
3	63093969	63094160	63094089	8	8	7	1.07877228	0.435076	ENSG00000222622
3	63104253	63104488	63104404	12	12	4	2.493162602	0.0299057	ENSG00000222622
3	63118930	63119264	63119105	8	12	7	1.558226626	0.152813	ENSG00000222622
3	63140903	63141167	63141051	11	11	9	1.150690432	0.367789	ENSG00000222622
3	63158191	63158460	63158312	9	10	3	2.636998906	0.034203	ENSG00000222622
3	63160866	63161479	63161178	10	24	10	2.179337939	0.011585	ENSG00000222622
3	63161893	63162105	63161991	8	10	4	2.109599125	0.0694668	ENSG00000222622
3	63163352	63163653	63163499	14	18	12	1.401481936	0.168368	ENSG00000222622
3	63167698	63167945	63167821	9	11	6	1.643843474	0.137712	ENSG00000222622
3	63170499	63170711	63170605	10	10	9	1.054799562	0.4492	ENSG00000222622
3	63188551	63188805	63188672	9	9	12	0.737622072	0.769563	ENSG00000222622
3	63189374	63189692	63189542	15	19	9	1.917817386	0.0394029	ENSG00000222622
3	63193252	63193490	63193388	9	12	3	3.116453252	0.0131971	ENSG00000222622
3	63193626	63193947	63193791	9	14	12	1.106433107	0.392094	ENSG00000222622
3	63198452	63198663	63198557	8	12	9	1.246581301	0.295061	ENSG00000222622
3	63206321	63206551	63206427	9	10	5	1.757999271	0.121253	ENSG00000222622
3	63240202	63240521	63240361	9	14	4	2.876726079	0.01219	ENSG00000222622
3	63273013	63273237	63273133	8	8	1	4.315089119	0.0127267	ENSG00000222622
3	63283530	63283821	63283675	10	13	10	1.220429246	0.306001	ENSG00000222622
3	63286280	63286686	63286521	8	14	6	2.054804342	0.0480281	ENSG00000222622
3	63291861	63292076	63291980	8	10	2	3.515998541	0.0136204	ENSG00000222622
3	63293342	63293585	63293469	11	12	7	1.558226626	0.152813	ENSG00000222622
3	63299361	63299565	63299463	9	9	8	1.065454103	0.442605	ENSG00000222622
3	63304263	63304674	63304442	10	18	9	1.821926517	0.0548428	ENSG00000222622
3	63311856	63312294	63312115	10	16	9	1.630144778	0.102169	ENSG00000222622
3	63317063	63317283	63317173	8	8	9	0.863017824	0.627343	ENSG00000222622
3	63320782	63320983	63320912	8	9	3	2.397271733	0.0539397	ENSG00000222622
3	63325749	63325986	63325881	11	12	1	6.232906505	0.00117736	ENSG00000222622
3	63351333	63351601	63351471	9	10	7	1.318499453	0.269217	ENSG00000222622
3	63365989	63366221	63366105	8	9	5	1.598181155	0.170911	ENSG00000222622
3	63369201	63369418	63369309	9	10	2	3.515998541	0.0136204 SYNPR	ENSG00000163630

3	63369761	63370008	63369888	9	11	3	2.876726079	0.0213797	SYNPR	ENSG00000163630
3	63370543	63370799	63370671	9	10	7	1.318499453	0.269217	SYNPR	ENSG00000163630
3	63373829	63374063	63373975	8	11	4	2.301380863	0.0459276	SYNPR	ENSG00000163630
3	63389241	63389673	63389481	20	31	7	3.835634772	5.95E-05	SYNPR	ENSG00000163630
3	63405553	63405769	63405695	8	11	5	1.917817386	0.0843804	SYNPR	ENSG00000163630
3	63409527	63409805	63409666	10	12	4	2.493162602	0.0299057	SYNPR	ENSG00000163630
3	63418850	63419545	63419195	19	37	13	2.602752167	0.000528768	SYNPR	ENSG00000163630
3	63420621	63421007	63420739	10	17	14	1.150690432	0.340986	SYNPR	ENSG00000163630
3	63422053	63422234	63422165	8	9	2	3.19636231	0.0229249	SYNPR	ENSG00000163630
3	63424099	63424294	63424228	8	10	11	0.878999635	0.622439	SYNPR	ENSG00000163630
3	63430420	63430661	63430540	9	11	3	2.876726079	0.0213797	SYNPR	ENSG00000163630
3	63434312	63434834	63434452	8	17	6	2.465765211	0.014729	SYNPR	ENSG00000163630
3	63439610	63439820	63439737	8	8	9	0.863017824	0.627343	SYNPR	ENSG00000163630
3	63445785	63446019	63445902	11	13	3	3.356180426	0.00805599	SYNPR	ENSG00000163630
3	63450859	63451132	63450995	10	13	5	2.237453617	0.038866	SYNPR	ENSG00000163630
3	63455286	63455537	63455411	8	8	9	0.863017824	0.627343	SYNPR	ENSG00000163630
3	63465519	63465732	63465625	8	8	4	1.726035648	0.150596	SYNPR	ENSG00000163630
3	63471720	63472021	63471843	8	13	6	1.917817386	0.0693353	SYNPR	ENSG00000163630
3	63484083	63484413	63484248	13	16	8	1.811271976	0.0663685		ENSG00000210887
3	63486089	63486275	63486115	10	11	15	0.71918152	0.81018		ENSG00000210887
3	63487890	63488127	63488008	9	10	4	2.109599125	0.0694668		ENSG00000210887
3	63516617	63516796	63516720	8	8	1	4.315089119	0.0127267		ENSG00000210887
3	63527110	63527344	63527232	8	8	7	1.07877228	0.435076		ENSG00000210887
3	63528959	63529214	63529129	8	11	8	1.278544924	0.28289		ENSG00000210887
3	63537471	63538039	63537725	22	33	11	2.716907964	0.000672572		ENSG00000210887
3	63541052	63541496	63541317	9	19	8	2.130908207	0.0233014		ENSG00000210887
3	63555812	63556232	63556103	11	19	20	0.913246374	0.614587		ENSG00000210887
3	63584691	63584952	63584821	9	12	3	3.116453252	0.0131971		ENSG00000188817
3	63586025	63586273	63586156	8	11	5	1.917817386	0.0843804		ENSG00000188817
3	63591480	63591698	63591589	8	11	3	2.876726079	0.0213797		ENSG00000188817
3	63592142	63592355	63592248	8	10	0	10.54799562	0.000613541		ENSG00000188817
3	63604608	63604890	63604749	11	14	9	1.43836304	0.179537		ENSG00000188817
3	63605133	63605795	63605386	11	27	12	2.0653418	0.0117911		ENSG00000188817
3	63623279	63623510	63623431	8	10	8	1.171999514	0.35773		ENSG00000188817

3	63628873	63629101	63628979	11	11	13	0.821921737	0.693119	ENSG00000188817
3	63632259	63632670	63632425	8	15	5	2.557089848	0.0169197	ENSG00000188817
3	63647924	63648553	63648237	8	21	7	2.636998906	0.00562102	ENSG00000188817
3	63651064	63651358	63651211	9	13	17	0.745817872	0.798145	ENSG00000188817
3	63662393	63662625	63662509	9	11	3	2.876726079	0.0213797	ENSG00000188817
3	63664439	63664865	63664643	9	17	4	3.452071295	0.00292757	ENSG00000188817
3	63666014	63666333	63666173	8	12	16	0.733283118	0.803868	ENSG00000188817
3	63667724	63667905	63667807	8	8	6	1.232882605	0.333038	ENSG00000188817
3	63668043	63668490	63668363	8	16	11	1.358453982	0.20248	ENSG00000188817
3	63668626	63668917	63668771	8	12	12	0.958908693	0.542188	ENSG00000188817
3	63677855	63678102	63677978	8	10	6	1.506856518	0.188853	ENSG00000188817
3	63679210	63679493	63679396	10	15	16	0.902502299	0.616352	ENSG00000188817
3	63679740	63680437	63680068	11	26	31	0.80907921	0.792852	ENSG00000188817
3	63680616	63680855	63680715	8	11	18	0.605626543	0.918575	ENSG00000188817
3	63680859	63681606	63681439	20	47	47	0.958908693	0.58122	ENSG00000188817
3	63681680	63682013	63681837	9	12	17	0.692545167	0.848017	ENSG00000188817
3	63684046	63684242	63684144	8	8	3	2.157544559	0.0836802	ENSG00000188817
3	63684495	63685048	63684785	9	22	39	0.551372499	0.990222	ENSG00000188817
3	63685059	63686156	63685298	14	56	46	1.162931819	0.220037	ENSG00000188817
3	63687147	63688028	63687582	11	41	46	0.85689713	0.767292	ENSG00000188817
3	63688040	63688383	63688236	9	14	25	0.553216554	0.969907	ENSG00000188817
3	63688418	63689809	63688757	11	53	45	1.125675422	0.276036	ENSG00000188817
3	63690137	63690317	63690291	9	9	7	1.198635866	0.346278	ENSG00000188817
3	63690643	63691411	63690835	24	49	33	1.410159843	0.0583372	ENSG00000188817
3	63691433	63691676	63691602	8	11	12	0.885146486	0.620672	ENSG00000188817
3	63693384	63693774	63693616	10	16	10	1.481949798	0.147733	ENSG00000188817
3	63700195	63700533	63700365	15	18	7	2.277408146	0.0188653	C3orf49 ENSG00000163632
3	63700894	63701466	63701190	9	23	45	0.500300188	0.997758	C3orf49 ENSG00000163632
3	63701557	63702106	63701948	16	29	40	0.701640507	0.932113	C3orf49 ENSG00000163632
3	63702451	63703065	63702814	12	27	33	0.789689512	0.82438	C3orf49 ENSG00000163632
3	63703137	63703437	63703278	11	15	16	0.902502299	0.616352	C3orf49 ENSG00000163632
3	63703445	63703732	63703527	9	13	5	2.237453617	0.038866	C3orf49 ENSG00000163632
3	63703991	63704989	63704736	13	41	39	1.006854128	0.486987	C3orf49 ENSG00000163632
3	63705011	63705238	63705077	11	13	10	1.220429246	0.306001	C3orf49 ENSG00000163632

3	63706463	63706718	63706590	12	15	12	1.180195315	0.324974	C3orf49	ENSG00000163632
3	63706851	63707899	63707372	8	36	43	0.806355037	0.834084	C3orf49	ENSG00000163632
3	63708308	63708761	63708602	14	24	21	1.089668969	0.382599	C3orf49	ENSG00000163632
3	63708857	63709095	63709007	9	11	8	1.278544924	0.28289	C3orf49	ENSG00000163632
3	63709203	63709891	63709599	20	42	21	1.874230627	0.00658623	C3orf49	ENSG00000163632
3	63710852	63711200	63711026	10	15	11	1.278544924	0.254978	C3orf49	ENSG00000163632
3	63711587	63711979	63711766	12	20	34	0.575345216	0.979853	C3orf49	ENSG00000163632
3	63713132	63713597	63713274	14	23	18	1.211253086	0.262955	C3orf49	ENSG00000163632
3	63713757	63714123	63713944	10	17	15	1.07877228	0.410615	C3orf49	ENSG00000163632
3	63714200	63715215	63714533	35	85	59	1.374435793	0.0279716	C3orf49	ENSG00000163632
3	63715746	63715975	63715828	10	12	11	1.038817751	0.460341	C3orf49	ENSG00000163632
3	63716469	63716677	63716558	10	11	9	1.150690432	0.367789	C3orf49	ENSG00000163632
3	63720336	63720528	63720367	8	10	1	5.273997812	0.00391723	C3orf49	ENSG00000163632
3	63720929	63721238	63721083	14	17	5	2.876726079	0.00703033	C3orf49	ENSG00000163632
3	63731360	63731600	63731449	9	9	3	2.397271733	0.0539397	C3orf49	ENSG00000163632
3	63736152	63736392	63736279	8	9	9	0.958908693	0.536911	C3orf49	ENSG00000163632
3	63743114	63743357	63743272	8	11	3	2.876726079	0.0213797	C3orf49	ENSG00000163632
3	63752724	63752991	63752840	8	13	16	0.789689512	0.746135	C3orf49	ENSG00000163632
3	63756243	63756635	63756417	8	15	12	1.180195315	0.324974	C3orf49	ENSG00000163632
3	63759727	63760055	63759891	8	14	8	1.598181155	0.124586	C3orf49	ENSG00000163632
3	63771243	63771444	63771351	9	9	7	1.198635866	0.346278	C3orf49	ENSG00000163632
3	63772697	63772944	63772785	9	11	2	3.835634772	0.00800699	C3orf49	ENSG00000163632
3	63772961	63773374	63773134	26	34	2	11.18726809	1.02E-08	C3orf49	ENSG00000163632
3	63775077	63775263	63775170	8	8	5	1.43836304	0.235762	C3orf49	ENSG00000163632
3	63777839	63778108	63777976	9	11	4	2.301380863	0.0459276	C3orf49	ENSG00000163632
3	63779042	63779287	63779164	11	13	18	0.7065643	0.841991	C3orf49	ENSG00000163632
3	63779339	63779577	63779458	11	13	20	0.639272462	0.907338	C3orf49	ENSG00000163632
3	63779782	63780056	63779919	8	10	6	1.506856518	0.188853	C3orf49	ENSG00000163632
3	63781067	63781319	63781164	9	13	2	4.474907234	0.00269459	C3orf49	ENSG00000163632
3	63785156	63785407	63785308	8	11	4	2.301380863	0.0459276	C3orf49	ENSG00000163632
3	63791378	63791676	63791541	8	11	5	1.917817386	0.0843804	THOC7	ENSG00000163634
3	63814755	63814946	63814850	8	8	6	1.232882605	0.333038	THOC7	ENSG00000163634
3	63818483	63818698	63818560	8	10	7	1.318499453	0.269217	THOC7	ENSG00000163634
3	63823212	63823432	63823281	8	9	6	1.369869562	0.253675	THOC7	ENSG00000163634

3	63823570	63824393	63823981	8	29	18	1.514066357	0.0740168	THOC7	ENSG00000163634
3	63825359	63825649	63825489	10	14	16	0.846095906	0.68298	ATXN7	ENSG00000163635
3	63833053	63833248	63833120	10	10	12	0.811384279	0.697544	ATXN7	ENSG00000163635
3	63833308	63833653	63833478	9	13	7	1.678090213	0.11195	ATXN7	ENSG00000163635
3	63834224	63834470	63834347	8	11	4	2.301380863	0.0459276	ATXN7	ENSG00000163635
3	63836394	63836579	63836479	9	10	9	1.054799562	0.4492	ATXN7	ENSG00000163635
3	63850373	63850588	63850436	8	8	5	1.43836304	0.235762	ATXN7	ENSG00000163635
3	63853548	63853837	63853692	8	10	7	1.318499453	0.269217	ATXN7	ENSG00000163635
3	63864422	63864757	63864589	8	13	7	1.678090213	0.11195	ATXN7	ENSG00000163635
3	63868908	63869160	63869019	8	10	8	1.171999514	0.35773	ATXN7	ENSG00000163635
3	63870328	63870695	63870507	11	18	13	1.301376083	0.22245	ATXN7	ENSG00000163635
3	63871006	63871211	63871096	9	11	7	1.43836304	0.204844	ATXN7	ENSG00000163635
3	63871626	63871931	63871778	10	12	5	2.077635502	0.0577144	ATXN7	ENSG00000163635
3	63872323	63872805	63872626	12	26	22	1.125675422	0.336059	ATXN7	ENSG00000163635
3	63874648	63874868	63874760	10	11	13	0.821921737	0.693119	ATXN7	ENSG00000163635
3	63874927	63875417	63875182	20	31	19	1.534253909	0.0623199	ATXN7	ENSG00000163635
3	63879873	63880064	63879968	9	9	11	0.799090578	0.702688	ATXN7	ENSG00000163635
3	63885188	63885370	63885294	8	9	7	1.198635866	0.346278	ATXN7	ENSG00000163635
3	63886988	63887239	63887074	8	12	6	1.78083043	0.0985525	ATXN7	ENSG00000163635
3	63889304	63889578	63889410	10	13	2	4.474907234	0.00269459	ATXN7	ENSG00000163635
3	63893282	63893576	63893429	11	15	10	1.394776281	0.191426	ATXN7	ENSG00000163635
3	63897146	63897571	63897302	9	17	21	0.784561658	0.779771	ATXN7	ENSG00000163635
3	63900522	63900999	63900820	11	21	12	1.622768557	0.076896	ATXN7	ENSG00000163635
3	63901591	63901819	63901681	9	11	10	1.046082211	0.455063	ATXN7	ENSG00000163635
3	63907486	63907793	63907625	10	11	8	1.278544924	0.28289	PSMD6	ENSG00000163636
3	63952805	63953025	63952936	10	11	17	0.639272462	0.890352	PSMD6	ENSG00000163636
3	63953042	63953511	63953332	13	27	31	0.839045106	0.752376	PSMD6	ENSG00000163636
3	63953751	63954051	63953904	13	17	22	0.750450282	0.822065	PSMD6	ENSG00000163636
3	63954162	63955023	63954483	48	89	49	1.726035648	0.000765132	PSMD6	ENSG00000163636
3	63955115	63955542	63955294	9	19	16	1.128127874	0.354788	PSMD6	ENSG00000163636
3	63955612	63955880	63955740	12	13	21	0.610214623	0.930478	PSMD6	ENSG00000163636
3	63955959	63956196	63956077	10	14	6	2.054804342	0.0480281	PSMD6	ENSG00000163636
3	63956650	63957766	63957626	9	39	47	0.799090578	0.853966	PSMD6	ENSG00000163636
3	63957963	63958635	63958352	11	28	36	0.751577084	0.877351	PSMD6	ENSG00000163636

3	63958640	63959080	63958819	10	19	21	0.871735176	0.672523	PSMD6	ENSG00000163636
3	63959430	63961868	63960513	15	113	126	0.860752685	0.877859	PSMD6	ENSG00000163636
3	63962007	63962358	63962212	15	20	16	1.184534268	0.298622	PSMD6	ENSG00000163636
3	63962465	63962783	63962617	8	10	16	0.620470331	0.897128	PSMD6	ENSG00000163636
3	63963396	63963810	63963618	16	24	22	1.042292058	0.441692	PSMD6	ENSG00000163636
3	63963980	63964208	63964073	8	12	13	0.890415215	0.619237	PSMD6	ENSG00000163636
3	63964466	63964656	63964580	8	9	16	0.564063937	0.931096	PSMD6	ENSG00000163636
3	63964876	63965452	63965186	13	31	21	1.394776281	0.11075	PSMD6	ENSG00000163636
3	63965630	63966332	63965990	16	34	48	0.684934781	0.958194	PSMD6	ENSG00000163636
3	63966485	63967392	63966681	11	37	37	0.958908693	0.572322	PSMD6	ENSG00000163636
3	63967522	63968064	63967673	11	25	30	0.804246001	0.795369	PSMD6	ENSG00000163636
3	63968261	63968955	63968681	12	32	36	0.855242888	0.744072	PSMD6	ENSG00000163636
3	63968971	63969253	63969085	16	19	19	0.958908693	0.552451	PSMD6	ENSG00000163636
3	63969734	63970025	63969874	8	11	22	0.500300188	0.978352	PSMD6	ENSG00000163636
3	63970165	63970578	63970399	13	23	20	1.095895649	0.377643	PSMD6	ENSG00000163636
3	63970995	63971652	63971174	10	28	18	1.463597479	0.0938263	PSMD6	ENSG00000163636
3	63971669	63972044	63971900	10	17	10	1.569123316	0.112309	PSMD6	ENSG00000163636
3	63972122	63972515	63972267	11	17	18	0.908439814	0.615249	PSMD6	ENSG00000163636
3	63972519	63973605	63973225	14	52	53	0.941151125	0.623071	PSMD6	ENSG00000163636
3	63973730	63974034	63973882	8	11	15	0.71918152	0.81018	PSMD6	ENSG00000163636
3	63974102	63974563	63974456	8	17	20	0.821921737	0.731032	PSMD6	ENSG00000163636
3	63974762	63975431	63975252	9	24	26	0.887878419	0.666463	PSMD6	ENSG00000163636
3	63975569	63975896	63975732	14	19	22	0.833833646	0.725376	PSMD6	ENSG00000163636
3	63976278	63976764	63976613	12	21	12	1.622768557	0.076896	PSMD6	ENSG00000163636
3	63978020	63979464	63979098	15	68	49	1.323293996	0.0637751	PSMD6	ENSG00000163636
3	63981668	63982024	63981846	13	18	17	1.012181398	0.48423	PSMD6	ENSG00000163636
3	63982662	63984977	63984247	44	209	117	1.70653242	1.05E-06	PSMD6	ENSG00000163636
3	63985253	63985506	63985420	9	10	15	0.659249726	0.861705	PSMD6	ENSG00000163636
3	63985556	63985884	63985716	12	17	14	1.150690432	0.340986	PSMD6	ENSG00000163636
3	63986981	63987492	63987334	14	27	11	2.237453617	0.00685906	PSMD6	ENSG00000163636
3	63987668	63988087	63987943	10	17	15	1.07877228	0.410615	PSMD6	ENSG00000163636
3	63988583	63988969	63988762	10	16	21	0.740974899	0.826507	PSMD6	ENSG00000163636
3	63988980	63989242	63989139	9	12	13	0.890415215	0.619237	PSMD6	ENSG00000163636
3	63989446	63990170	63989932	15	35	29	1.150690432	0.282944	PSMD6	ENSG00000163636

3	63990196	63991155	63990776	10	40	27	1.404116301	0.0798161	PSMD6	ENSG00000163636
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3	63992834	63993261	63993027	8	16	28	0.562118889	0.973627	PSMD6	ENSG00000163636
3	63993468	63994286	63993630	13	39	16	2.256255748	0.00154127	PSMD6	ENSG00000163636
3	63995814	63996144	63996002	9	13	18	0.7065643	0.841991	PSMD6	ENSG00000163636
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3	63997125	63997489	63997310	8	15	18	0.807502057	0.737835	PSMD6	ENSG00000163636
3	63997620	63998088	63997862	10	22	33	0.648673528	0.948418	PSMD6	ENSG00000163636
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3	64001614	64001876	64001748	9	9	1	4.794543465	0.00708517	PSMD6	ENSG00000163636
3	64002750	64003044	64002906	8	12	10	1.133255728	0.37674	PSMD6	ENSG00000163636
3	64003219	64003444	64003331	8	8	7	1.07877228	0.435076	PSMD6	ENSG00000163636
3	64005286	64005563	64005424	9	12	15	0.779113313	0.750998	PSMD6	ENSG00000163636
3	64006050	64006463	64006256	9	17	14	1.150690432	0.340986	PSMD6	ENSG00000163636
3	64006755	64006944	64006849	11	11	7	1.43836304	0.204844	PSMD6	ENSG00000163636
3	64007056	64008063	64007414	13	49	52	0.904630843	0.694698	PSMD6	ENSG00000163636
3	64008501	64008994	64008818	14	25	25	0.958908693	0.559837		ENSG00000200222
3	64009459	64010828	64009869	15	74	61	1.159970193	0.192144		ENSG00000200222
3	64012707	64013520	64013113	15	48	45	1.021446217	0.458084		ENSG00000200222
3	64014310	64014848	64014582	12	24	38	0.61468506	0.973527		ENSG00000200222
3	64015083	64015333	64015207	11	13	25	0.51633545	0.980479		ENSG00000200222
3	64015836	64016450	64016006	13	28	25	1.069552004	0.40018		ENSG00000200222
3	64016460	64017041	64016862	9	24	20	1.141557968	0.324865		ENSG00000200222
3	64017044	64017321	64017182	9	12	7	1.558226626	0.152813		ENSG00000200222
3	64017382	64018095	64017520	11	31	32	0.929850854	0.615363		ENSG00000200222
3	64018109	64018810	64018266	14	34	18	1.76641075	0.0197371		ENSG00000200222
3	64019002	64019230	64019141	9	12	9	1.246581301	0.295061		ENSG00000200222
3	64020029	64020533	64020157	11	22	33	0.648673528	0.948418		ENSG00000200222
3	64020697	64021588	64021426	9	31	35	0.852363283	0.745543		ENSG00000200222
3	64021691	64022134	64021870	11	20	27	0.71918152	0.876208		ENSG00000200222
3	64022566	64023529	64023078	17	51	69	0.712332172	0.969198		ENSG00000200222

3	64023601	64023952	64023776	8	14	21	0.653801382	0.90216	ENSG00000200222
3	64023959	64025246	64024421	17	66	69	0.917812606	0.692238	ENSG00000200222
3	64025770	64026049	64025909	12	16	14	1.086763185	0.404922	ENSG00000200222
3	64026239	64026572	64026407	10	13	12	1.0326709	0.46514	ENSG00000200222
3	64026723	64027393	64026865	8	22	34	0.630139998	0.960074	ENSG00000200222
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3	64028742	64029264	64028896	11	23	21	1.046082211	0.437961	ENSG00000200222
3	64029371	64029768	64029537	8	14	11	1.198635866	0.315918	ENSG00000200222
3	64029944	64030149	64030042	9	9	3	2.397271733	0.0539397	ENSG00000200222
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3	64032238	64032767	64032549	12	23	24	0.920552345	0.614165	ENSG00000200222
3	64033556	64034410	64034223	11	35	56	0.605626543	0.991758	ENSG00000200222
3	64034503	64034698	64034600	8	8	8	0.958908693	0.534974	ENSG00000200222
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3	64037995	64038900	64038737	11	32	34	0.904113911	0.661443	ENSG00000200222
3	64039135	64039433	64039284	14	18	14	1.214617678	0.282961	ENSG00000200222
3	64039793	64040716	64039942	12	38	39	0.934935976	0.617524	ENSG00000200222
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3	64042738	64043002	64042834	10	14	28	0.495987255	0.988914	ENSG00000189196
3	64043089	64043281	64043174	9	11	18	0.605626543	0.918575	ENSG00000189196
3	64043412	64043816	64043549	11	21	21	0.958908693	0.555026	ENSG00000189196
3	64043852	64044629	64044210	13	35	43	0.784561658	0.861438	ENSG00000189196
3	64044727	64045838	64045490	15	56	49	1.09315591	0.321608	ENSG00000189196
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3	64047699	64048002	64047850	13	17	20	0.821921737	0.731032	ENSG00000189196
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3	64052800	64053450	64053128	13	28	27	0.993155432	0.509675	ENSG00000189196
3	64054099	64054682	64054533	10	23	29	0.767126954	0.835723	ENSG00000189196
3	64054728	64055274	64055095	12	26	17	1.43836304	0.111326	ENSG00000189196

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3	64057363	64057798	64057539	8	17	18	0.908439814	0.615249	ENSG00000189196
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3	64241268	64242262	64241601	13	45	35	1.225272219	0.178199	PRICKLE2	ENSG00000163637
3	64242273	64242493	64242382	8	11	8	1.278544924	0.28289	PRICKLE2	ENSG00000163637
3	64243807	64243992	64243899	8	8	6	1.232882605	0.333038	PRICKLE2	ENSG00000163637
3	64245558	64246222	64245737	11	27	18	1.4131286	0.11777	PRICKLE2	ENSG00000163637
3	64246424	64246848	64246649	10	18	25	0.700740968	0.883987	PRICKLE2	ENSG00000163637
3	64248059	64248286	64248172	9	11	7	1.43836304	0.204844	PRICKLE2	ENSG00000163637
3	64249918	64250175	64250077	8	10	8	1.171999514	0.35773	PRICKLE2	ENSG00000163637
3	64250286	64250688	64250462	9	16	13	1.164389127	0.333296	PRICKLE2	ENSG00000163637
3	64250797	64250986	64250891	8	8	13	0.616441303	0.878084	PRICKLE2	ENSG00000163637
3	64251560	64251801	64251680	9	13	11	1.118726809	0.38479	PRICKLE2	ENSG00000163637

3	64251857	64252083	64251970	8	10	14	0.703199708	0.817173	PRICKLE2	ENSG00000163637
3	64252906	64253336	64253196	9	15	12	1.180195315	0.324974	PRICKLE2	ENSG00000163637
3	64253483	64253727	64253647	8	10	10	0.958908693	0.538751	PRICKLE2	ENSG00000163637
3	64253964	64254288	64254126	12	17	7	2.157544559	0.0276499	PRICKLE2	ENSG00000163637
3	64255635	64255861	64255749	8	9	10	0.871735176	0.624623	PRICKLE2	ENSG00000163637
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3	64262366	64262582	64262483	8	9	11	0.799090578	0.702688	PRICKLE2	ENSG00000163637
3	64263237	64263701	64263522	12	24	19	1.198635866	0.269826	PRICKLE2	ENSG00000163637
3	64263730	64264044	64263887	14	17	10	1.569123316	0.112309	PRICKLE2	ENSG00000163637
3	64264276	64264856	64264639	8	22	12	1.696530765	0.057768	PRICKLE2	ENSG00000163637
3	64265180	64265654	64265335	10	19	11	1.598181155	0.0927758	PRICKLE2	ENSG00000163637
3	64266018	64266251	64266134	12	12	10	1.133255728	0.37674	PRICKLE2	ENSG00000163637
3	64266363	64266614	64266436	8	11	9	1.150690432	0.367789	PRICKLE2	ENSG00000163637
3	64267578	64267880	64267729	10	12	15	0.779113313	0.750998	PRICKLE2	ENSG00000163637
3	64271061	64271268	64271164	8	10	8	1.171999514	0.35773	PRICKLE2	ENSG00000163637
3	64276632	64276974	64276805	11	13	6	1.917817386	0.0693353	PRICKLE2	ENSG00000163637
3	64277773	64278358	64278049	10	25	14	1.662108401	0.053254	PRICKLE2	ENSG00000163637
3	64278667	64279038	64278974	10	15	15	0.958908693	0.546868	PRICKLE2	ENSG00000163637
3	64279041	64279523	64279220	8	17	25	0.663859864	0.912943	PRICKLE2	ENSG00000163637
3	64279676	64280684	64280301	11	41	33	1.184534268	0.229193	PRICKLE2	ENSG00000163637
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3	64289161	64289672	64289493	14	25	16	1.466566236	0.10473	PRICKLE2	ENSG00000163637
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3	64291320	64291716	64291481	8	15	9	1.534253909	0.136498	PRICKLE2	ENSG00000163637
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3	64292119	64292400	64292256	10	14	20	0.684934781	0.872628	PRICKLE2	ENSG00000163637
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3	64294708	64295042	64294811	10	15	10	1.394776281	0.191426	PRICKLE2	ENSG00000163637

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3	64300832	64301151	64300995	11	16	13	1.164389127	0.333296	PRICKLE2	ENSG00000163637
3	64301284	64301807	64301463	13	26	18	1.362659722	0.14632	PRICKLE2	ENSG00000163637
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3	64303658	64304061	64303882	9	16	11	1.358453982	0.20248	PRICKLE2	ENSG00000163637
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3	64305281	64305523	64305458	12	15	8	1.704726565	0.0916153	PRICKLE2	ENSG00000163637
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3	64307912	64308153	64307990	8	10	4	2.109599125	0.0694668	PRICKLE2	ENSG00000163637
3	64312692	64313115	64312936	11	19	13	1.369869562	0.177863	PRICKLE2	ENSG00000163637
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3	64315794	64316404	64315973	11	24	25	0.922027589	0.614196	PRICKLE2	ENSG00000163637
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3	64465911	64466262	64466160	10	15	14	1.022835939	0.473606	ENSG00000212340

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3	64470470	64470925	64470649	11	23	10	2.092164421	0.0165595	ENSG00000212340
3	64474282	64474587	64474434	10	14	5	2.397271733	0.0258078	ENSG00000212340
3	64476756	64477099	64476882	11	16	13	1.164389127	0.333296	ENSG00000212340
3	64478528	64478752	64478629	9	9	10	0.871735176	0.624623	ENSG00000212340
3	64486983	64487286	64487118	12	16	8	1.811271976	0.0663685	ENSG00000212340
3	64488745	64489098	64488921	12	18	11	1.518272097	0.122037	ENSG00000212340
3	64490162	64490393	64490276	8	9	11	0.799090578	0.702688	ENSG00000212340
3	64490940	64491724	64491324	15	44	18	2.271099536	0.00079954	ENSG00000212340
3	64491746	64492077	64491916	9	13	9	1.34247217	0.232231	ENSG00000212340
3	64492490	64492703	64492666	8	11	10	1.046082211	0.455063	ENSG00000212340
3	64493004	64493396	64493183	10	17	13	1.232882605	0.274309	ENSG00000212340
3	64493415	64495246	64494473	40	132	83	1.518272097	0.00118264	ENSG00000212340
3	64496900	64497308	64497139	11	19	18	1.009377572	0.487356	ENSG00000212340
3	64498272	64498697	64498393	15	23	15	1.43836304	0.12479	ENSG00000212340
3	64499804	64500347	64499979	9	21	15	1.318499453	0.19542	ENSG00000212340
3	64500425	64500644	64500559	8	11	18	0.605626543	0.918575	ENSG00000212340
3	64501549	64501728	64501671	8	8	11	0.71918152	0.777546	ENSG00000212340
3	64501744	64502109	64501943	8	14	16	0.846095906	0.68298	ENSG00000212340
3	64502574	64502753	64502641	8	8	5	1.43836304	0.235762	ENSG00000212340
3	64507817	64508121	64507969	8	13	6	1.917817386	0.0693353	ENSG00000212340
3	64508473	64508741	64508607	8	11	4	2.301380863	0.0459276	ENSG00000212340
3	64508945	64509125	64509035	8	8	13	0.616441303	0.878084	ENSG00000212340
3	64509626	64509819	64509722	8	9	12	0.737622072	0.769563	ENSG00000212340
3	64510166	64510345	64510255	8	8	7	1.07877228	0.435076	ENSG00000212340
3	64510435	64510935	64510757	13	21	16	1.240940662	0.248103	ENSG00000212340
3	64512526	64512993	64512701	11	21	6	3.013713035	0.00261913	ENSG00000212340
3	64513001	64513297	64513139	12	16	7	2.037680973	0.0400399	ENSG00000212340
3	64515391	64515790	64515627	11	17	18	0.908439814	0.615249	ENSG00000212340
3	64518961	64519399	64519244	9	18	14	1.214617678	0.282961	ENSG00000212340

3	64520038	64520660	64520198	11	26	22	1.125675422	0.336059	ENSG00000212340
3	64520942	64521365	64521098	10	17	23	0.71918152	0.858071	ENSG00000212340
3	64521851	64522053	64521993	9	10	5	1.757999271	0.121253	ENSG00000212340
3	64522143	64522778	64522603	16	33	17	1.811271976	0.0175837	ENSG00000212340
3	64522859	64523412	64523147	9	21	16	1.240940662	0.248103	ENSG00000212340
3	64524276	64524728	64524455	10	19	16	1.128127874	0.354788	ENSG00000212340
3	64525573	64525976	64525747	9	16	13	1.164389127	0.333296	ENSG00000212340
3	64526030	64526252	64526141	10	12	5	2.077635502	0.0577144	ENSG00000212340
3	64527513	64527706	64527609	9	10	6	1.506856518	0.188853	ENSG00000212340
3	64527868	64528120	64528009	8	11	17	0.639272462	0.890352	ENSG00000212340
3	64528807	64529345	64529253	18	36	28	1.223435229	0.205341	ENSG00000212340
3	64529358	64529620	64529529	9	14	12	1.106433107	0.392094	ENSG00000212340
3	64529646	64530102	64529875	11	22	23	0.918954164	0.614181	ENSG00000212340
3	64532956	64533406	64533278	9	18	27	0.650688042	0.929412	ENSG00000212340
3	64533712	64533935	64533823	9	9	2	3.19636231	0.0229249	ENSG00000212340
3	64534715	64534978	64534857	9	12	13	0.890415215	0.619237	ENSG00000212340
3	64535424	64535808	64535541	10	18	18	0.958908693	0.551113	ENSG00000212340
3	64535868	64537077	64536339	25	73	76	0.921548614	0.692232	ENSG00000212340
3	64537247	64537612	64537426	9	16	16	0.958908693	0.548325	ENSG00000212340
3	64537915	64538467	64538286	12	25	28	0.859711242	0.713133	ENSG00000212340
3	64538765	64538960	64538894	8	8	9	0.863017824	0.627343	ENSG00000212340
3	64538964	64539240	64539111	10	14	14	0.958908693	0.545362	ENSG00000212340
3	64539334	64540073	64539899	14	31	26	1.136484377	0.310077	ENSG00000212340
3	64540513	64540910	64540731	10	17	14	1.150690432	0.340986	ENSG00000212340
3	64541255	64541494	64541349	14	17	16	1.015315087	0.480915	ENSG00000212340
3	64541501	64541992	64541813	9	19	16	1.128127874	0.354788	ENSG00000212340
3	64542397	64542715	64542556	10	14	13	1.027402171	0.469541	ENSG00000212340
3	64542795	64543115	64542955	8	11	14	0.767126954	0.756447	ENSG00000212340
3	64543961	64544398	64544122	9	17	25	0.663859864	0.912943	ENSG00000212340
3	64544422	64544727	64544574	12	17	12	1.327719729	0.212795	ENSG00000212340
3	64544756	64545298	64545004	10	23	21	1.046082211	0.437961	ENSG00000212340
3	64545923	64546175	64546049	11	14	19	0.71918152	0.83643	ENSG00000212340
3	64546718	64547082	64546897	11	18	17	1.012181398	0.48423	ENSG00000212340
3	64547522	64548095	64547916	10	23	18	1.211253086	0.262955	ENSG00000212340

3	64549166	64549609	64549345	8	17	19	0.863017824	0.676008	ENSG00000212340
3	64549658	64549878	64549740	8	10	5	1.757999271	0.121253	ENSG00000212340
3	64550614	64551111	64550771	11	22	6	3.150699991	0.00166398	ENSG00000212340
3	64551323	64551890	64551490	17	27	16	1.579379024	0.0636678	ENSG00000212340
3	64552157	64552675	64552434	10	20	10	1.830643869	0.0454769	ENSG00000212340
3	64554188	64554621	64554407	9	19	25	0.737622072	0.849755	ENSG00000212340
3	64554784	64555229	64554929	8	16	21	0.740974899	0.826507	ENSG00000212340
3	64555817	64556145	64555981	12	18	16	1.07172148	0.415914	ENSG00000212340
3	64557553	64558123	64557762	12	27	27	0.958908693	0.562099	ENSG00000212340
3	64558236	64558912	64558406	13	31	20	1.461194199	0.084213	ENSG00000212340
3	64559784	64559994	64559889	11	13	9	1.34247217	0.232231	ENSG00000212340
3	64560443	64560743	64560595	12	14	13	1.027402171	0.469541	ADAMTS9 ENSG00000163638
3	64560956	64561324	64561135	8	15	28	0.529053072	0.982554	ADAMTS9 ENSG00000163638
3	64561359	64561689	64561512	10	15	20	0.730597099	0.831283	ADAMTS9 ENSG00000163638
3	64562325	64562829	64562504	12	26	27	0.924661954	0.614379	ADAMTS9 ENSG00000163638
3	64563196	64563465	64563366	10	14	10	1.307602763	0.244096	ADAMTS9 ENSG00000163638
3	64563822	64564137	64563977	9	14	17	0.799090578	0.74177	ADAMTS9 ENSG00000163638
3	64564357	64564750	64564536	10	18	15	1.138704073	0.348127	ADAMTS9 ENSG00000163638
3	64564906	64565093	64564995	8	9	15	0.599317933	0.904407	ADAMTS9 ENSG00000163638
3	64565703	64565978	64565843	10	12	5	2.077635502	0.0577144	ADAMTS9 ENSG00000163638
3	64566159	64566479	64566319	10	14	18	0.757033179	0.792932	ADAMTS9 ENSG00000163638
3	64566571	64567162	64566733	13	26	21	1.176842487	0.282611	ADAMTS9 ENSG00000163638
3	64567506	64567798	64567637	10	13	19	0.671236085	0.87814	ADAMTS9 ENSG00000163638
3	64568632	64568944	64568788	8	12	8	1.385090334	0.219216	ADAMTS9 ENSG00000163638
3	64569667	64569882	64569728	8	9	6	1.369869562	0.253675	ADAMTS9 ENSG00000163638
3	64570672	64570980	64570826	8	12	14	0.831054201	0.689281	ADAMTS9 ENSG00000163638
3	64572352	64572729	64572530	9	14	11	1.198635866	0.315918	ADAMTS9 ENSG00000163638
3	64573117	64574403	64573839	15	65	53	1.171999514	0.191852	ADAMTS9 ENSG00000163638
3	64574990	64575405	64575150	8	15	15	0.958908693	0.546868	ADAMTS9 ENSG00000163638
3	64575609	64575986	64575771	10	16	20	0.776259418	0.783794	ADAMTS9 ENSG00000163638
3	64576353	64576707	64576530	10	16	22	0.708758599	0.862621	ADAMTS9 ENSG00000163638
3	64576851	64577817	64577114	14	46	33	1.325550252	0.102513	ADAMTS9 ENSG00000163638
3	64577918	64578346	64578042	8	15	16	0.902502299	0.616352	ADAMTS9 ENSG00000163638
3	64578465	64578702	64578574	8	10	6	1.506856518	0.188853	ADAMTS9 ENSG00000163638

3	64579027	64579499	64579320	10	18	11	1.518272097	0.122037	ADAMTS9	ENSG00000163638
3	64579621	64579869	64579706	8	10	10	0.958908693	0.538751	ADAMTS9	ENSG00000163638
3	64579896	64580290	64580066	12	20	12	1.54900635	0.101141	ADAMTS9	ENSG00000163638
3	64581135	64581461	64581286	11	16	15	1.018840486	0.477384	ADAMTS9	ENSG00000163638
3	64583786	64584185	64584007	9	15	15	0.958908693	0.546868	ADAMTS9	ENSG00000163638
3	64584351	64584691	64584521	10	15	11	1.278544924	0.254978	ADAMTS9	ENSG00000163638
3	64586535	64586757	64586641	9	11	4	2.301380863	0.0459276	ADAMTS9	ENSG00000163638
3	64587421	64588191	64587577	11	29	34	0.821921737	0.786085	ADAMTS9	ENSG00000163638
3	64588225	64590244	64588706	22	109	62	1.67428502	0.000432372	ADAMTS9	ENSG00000163638
3	64590789	64591037	64590914	8	11	4	2.301380863	0.0459276	ADAMTS9	ENSG00000163638
3	64591918	64592283	64592095	10	16	13	1.164389127	0.333296	ADAMTS9	ENSG00000163638
3	64592678	64592984	64592831	9	14	9	1.43836304	0.179537	ADAMTS9	ENSG00000163638
3	64593009	64593411	64593188	13	23	10	2.092164421	0.0165595	ADAMTS9	ENSG00000163638
3	64593441	64593802	64593624	11	18	18	0.958908693	0.551113	ADAMTS9	ENSG00000163638
3	64593863	64594626	64594297	12	35	46	0.734483254	0.920083	ADAMTS9	ENSG00000163638
3	64595130	64595445	64595293	14	16	24	0.652057911	0.917054	ADAMTS9	ENSG00000163638
3	64595518	64595869	64595693	11	16	20	0.776259418	0.783794	ADAMTS9	ENSG00000163638
3	64596284	64596566	64596425	8	12	9	1.246581301	0.295061	ADAMTS9	ENSG00000163638
3	64597017	64597197	64597087	8	9	13	0.684934781	0.824961	ADAMTS9	ENSG00000163638
3	64597355	64597700	64597527	10	16	17	0.905635988	0.615736	ADAMTS9	ENSG00000163638
3	64598068	64598443	64598297	8	13	18	0.7065643	0.841991	ADAMTS9	ENSG00000163638
3	64598459	64598729	64598609	8	12	9	1.246581301	0.295061	ADAMTS9	ENSG00000163638
3	64598880	64599179	64599029	8	12	5	2.077635502	0.0577144	ADAMTS9	ENSG00000163638
3	64599302	64599560	64599431	12	13	7	1.678090213	0.111195	ADAMTS9	ENSG00000163638
3	64599718	64599986	64599852	8	10	14	0.703199708	0.817173	ADAMTS9	ENSG00000163638
3	64600894	64601148	64601018	8	11	7	1.43836304	0.204844	ADAMTS9	ENSG00000163638
3	64602875	64603538	64603241	13	30	19	1.486308474	0.0791381	ADAMTS9	ENSG00000163638
3	64604676	64604873	64604764	8	10	8	1.171999514	0.35773	ADAMTS9	ENSG00000163638
3	64605971	64606239	64606071	12	15	11	1.278544924	0.254978	ADAMTS9	ENSG00000163638
3	64606337	64606810	64606516	12	25	19	1.246581301	0.225794	ADAMTS9	ENSG00000163638
3	64607367	64607911	64607604	11	21	15	1.318499453	0.19542	ADAMTS9	ENSG00000163638
3	64608526	64608903	64608777	10	16	15	1.018840486	0.477384	ADAMTS9	ENSG00000163638
3	64609519	64609791	64609696	8	12	13	0.890415215	0.619237	ADAMTS9	ENSG00000163638
3	64609813	64610308	64610129	18	29	21	1.307602763	0.165913	ADAMTS9	ENSG00000163638

3	64611726	64611912	64611855	9	10	13	0.753428259	0.762589	ADAMTS9	ENSG00000163638
3	64612064	64612373	64612194	13	14	17	0.799090578	0.74177	ADAMTS9	ENSG00000163638
3	64613124	64613516	64613303	9	16	12	1.253957522	0.265012	ADAMTS9	ENSG00000163638
3	64613859	64614394	64614038	9	20	9	2.013708255	0.0279742	ADAMTS9	ENSG00000163638
3	64614641	64614968	64614804	8	12	15	0.779113313	0.750998	ADAMTS9	ENSG00000163638
3	64616928	64617499	64617099	10	20	19	1.006854128	0.490315	ADAMTS9	ENSG00000163638
3	64617526	64617938	64617840	8	15	14	1.022835939	0.473606	ADAMTS9	ENSG00000163638
3	64618420	64618828	64618599	9	17	19	0.863017824	0.676008	ADAMTS9	ENSG00000163638
3	64618856	64619037	64618932	8	9	8	1.065454103	0.442605	ADAMTS9	ENSG00000163638
3	64619212	64619449	64619327	10	11	23	0.479454347	0.984912	ADAMTS9	ENSG00000163638
3	64619745	64620038	64619874	10	13	12	1.0326709	0.46514	ADAMTS9	ENSG00000163638
3	64620407	64620653	64620530	8	10	22	0.458608505	0.987045	ADAMTS9	ENSG00000163638
3	64621180	64621511	64621335	8	12	10	1.133255728	0.37674	ADAMTS9	ENSG00000163638
3	64622200	64622440	64622330	10	12	12	0.958908693	0.542188	ADAMTS9	ENSG00000163638
3	64625180	64625369	64625296	8	8	7	1.07877228	0.435076	ADAMTS9	ENSG00000163638
3	64626338	64626662	64626590	8	12	11	1.038817751	0.460341	ADAMTS9	ENSG00000163638
3	64626839	64627288	64627035	11	22	22	0.958908693	0.556268	ADAMTS9	ENSG00000163638
3	64627449	64628061	64627783	9	20	16	1.184534268	0.298622	ADAMTS9	ENSG00000163638
3	64628073	64628389	64628231	9	13	6	1.917817386	0.0693353	ADAMTS9	ENSG00000163638
3	64629540	64629891	64629716	13	18	15	1.138704073	0.348127	ADAMTS9	ENSG00000163638
3	64630625	64631195	64630984	11	25	22	1.08398374	0.38731	ADAMTS9	ENSG00000163638
3	64631524	64631875	64631736	8	12	17	0.692545167	0.848017	ADAMTS9	ENSG00000163638
3	64632536	64633051	64632687	13	27	23	1.118726809	0.34127	ADAMTS9	ENSG00000163638
3	64635019	64635906	64635400	10	36	19	1.773981082	0.0165925	ADAMTS9	ENSG00000163638
3	64636847	64637064	64636958	9	10	18	0.555157664	0.945639	ADAMTS9	ENSG00000163638
3	64637667	64638226	64637987	12	27	15	1.678090213	0.0444653	ADAMTS9	ENSG00000163638
3	64638545	64638857	64638705	10	15	24	0.613701564	0.940506	ADAMTS9	ENSG00000163638
3	64638870	64639118	64639016	8	10	15	0.659249726	0.861705	ADAMTS9	ENSG00000163638
3	64639262	64639772	64639524	13	24	23	0.998863222	0.500802	ADAMTS9	ENSG00000163638
3	64641089	64641355	64641194	12	16	16	0.958908693	0.548325	ADAMTS9	ENSG00000163638
3	64642098	64642310	64642204	8	10	10	0.958908693	0.538751	ADAMTS9	ENSG00000163638
3	64642315	64642551	64642469	10	12	9	1.246581301	0.295061	ADAMTS9	ENSG00000163638
3	64642740	64643044	64642883	14	17	17	0.958908693	0.549739	ADAMTS9	ENSG00000163638
3	64643202	64643551	64643376	13	18	21	0.828148417	0.728078	ADAMTS9	ENSG00000163638

3	64643794	64644185	64643989	17	26	25	0.995789797	0.505405	ADAMTS9	ENSG00000163638
3	64644651	64646203	64644921	11	60	56	1.026200531	0.443462	ADAMTS9	ENSG00000163638
3	64646218	64648143	64647237	22	126	59	2.029690067	1.41E-06	ADAMTS9	ENSG00000163638
3	64648872	64649104	64648988	9	12	14	0.831054201	0.689281	ADAMTS9	ENSG00000163638
3	64649121	64649593	64649357	21	32	34	0.904113911	0.661443	ADAMTS9	ENSG00000163638
3	64649597	64650479	64650030	11	37	20	1.735168111	0.0184834	ADAMTS9	ENSG00000163638
3	64651392	64651710	64651561	9	13	9	1.34247217	0.232231	ADAMTS9	ENSG00000163638
3	64652607	64653595	64653051	9	34	29	1.118726809	0.324157	ADAMTS9	ENSG00000163638
3	64654549	64654924	64654728	12	19	28	0.66131634	0.92595	ADAMTS9	ENSG00000163638
3	64655090	64655296	64655193	9	11	10	1.046082211	0.455063	ADAMTS9	ENSG00000163638
3	64655452	64655782	64655615	11	16	24	0.652057911	0.917054	ADAMTS9	ENSG00000163638
3	64656749	64657073	64656911	10	12	5	2.077635502	0.0577144	ADAMTS9	ENSG00000163638
3	64657323	64657507	64657415	8	8	1	4.315089119	0.0127267	ADAMTS9	ENSG00000163638
3	64660991	64661186	64661090	9	9	8	1.065454103	0.442605	ADAMTS9	ENSG00000163638
3	64663082	64663555	64663376	12	22	25	0.848265382	0.718521	ADAMTS9	ENSG00000163638
3	64663726	64663966	64663846	9	11	8	1.278544924	0.28289	ADAMTS9	ENSG00000163638
3	64664116	64664332	64664224	8	9	14	0.639272462	0.869513	ADAMTS9	ENSG00000163638
3	64665251	64665493	64665345	8	9	5	1.598181155	0.170911	ADAMTS9	ENSG00000163638
3	64667756	64667966	64667861	8	10	11	0.878999635	0.622439	ADAMTS9	ENSG00000163638
3	64668843	64669679	64669095	15	35	31	1.07877228	0.376036	ADAMTS9	ENSG00000163638
3	64670106	64670757	64670285	9	25	29	0.831054201	0.756473	ADAMTS9	ENSG00000163638
3	64670921	64671251	64671091	9	13	10	1.220429246	0.306001	ADAMTS9	ENSG00000163638
3	64671301	64671934	64671731	13	28	25	1.069552004	0.40018	ADAMTS9	ENSG00000163638
3	64672881	64673221	64673051	15	21	21	0.958908693	0.555026	ADAMTS9	ENSG00000163638
3	64673284	64673661	64673459	10	16	25	0.626978761	0.936688	ADAMTS9	ENSG00000163638
3	64675062	64675294	64675178	12	13	17	0.745817872	0.798145	ADAMTS9	ENSG00000163638
3	64676006	64676312	64676155	12	15	18	0.807502057	0.737835	ADAMTS9	ENSG00000163638
3	64676400	64676761	64676579	9	16	5	2.716907964	0.0109645	ADAMTS9	ENSG00000163638
3	64676790	64676994	64676929	8	11	9	1.150690432	0.367789	ADAMTS9	ENSG00000163638
3	64678211	64679158	64678979	11	39	26	1.420605471	0.0759455	ADAMTS9	ENSG00000163638
3	64679342	64679555	64679477	9	11	11	0.958908693	0.540507	ADAMTS9	ENSG00000163638
3	64680394	64680603	64680542	10	12	14	0.831054201	0.689281	ADAMTS9	ENSG00000163638
3	64681003	64681203	64681130	9	10	12	0.811384279	0.697544	ADAMTS9	ENSG00000163638
3	64682436	64682647	64682541	10	12	15	0.779113313	0.750998	ADAMTS9	ENSG00000163638

3	64684664	64685053	64684874	12	20	10	1.830643869	0.0454769	ADAMTS9	ENSG00000163638
3	64686410	64686651	64686530	10	13	12	1.0326709	0.46514	ADAMTS9	ENSG00000163638
3	64686927	64687147	64687037	9	11	11	0.958908693	0.540507	ADAMTS9	ENSG00000163638
3	64687453	64687837	64687632	12	20	21	0.915321934	0.614384	ADAMTS9	ENSG00000163638
3	64687888	64688148	64687972	9	13	15	0.839045106	0.685928	ADAMTS9	ENSG00000163638
3	64688340	64688836	64688506	10	20	12	1.54900635	0.101141	ADAMTS9	ENSG00000163638
3	64689074	64689805	64689590	13	37	25	1.401481936	0.0888599	ADAMTS9	ENSG00000163638
3	64690959	64691512	64691365	10	21	31	0.659249726	0.936811	ADAMTS9	ENSG00000163638
3	64691780	64692251	64691964	9	20	17	1.118726809	0.361026	ADAMTS9	ENSG00000163638
3	64694277	64694623	64694456	10	14	8	1.598181155	0.124586	ADAMTS9	ENSG00000163638
3	64694981	64695284	64695144	11	12	8	1.385090334	0.219216	ADAMTS9	ENSG00000163638
3	64698693	64699019	64698856	10	16	13	1.164389127	0.333296	ADAMTS9	ENSG00000163638
3	64699451	64699742	64699596	9	12	6	1.78083043	0.0985525	ADAMTS9	ENSG00000163638
3	64699806	64700565	64700333	16	35	28	1.190369412	0.239964	ADAMTS9	ENSG00000163638
3	64700580	64701483	64700987	12	40	23	1.638135684	0.0245609	ADAMTS9	ENSG00000163638
3	64701849	64702195	64702022	11	17	25	0.663859864	0.912943	ADAMTS9	ENSG00000163638
3	64703536	64704183	64704004	10	26	13	1.849323908	0.0263429	ADAMTS9	ENSG00000163638
3	64704908	64705303	64705124	12	19	14	1.278544924	0.231514	ADAMTS9	ENSG00000163638
3	64705373	64705718	64705540	20	23	17	1.278544924	0.211315	ADAMTS9	ENSG00000163638
3	64705723	64705933	64705840	8	10	6	1.506856518	0.188853	ADAMTS9	ENSG00000163638
3	64706855	64707237	64707034	13	20	10	1.830643869	0.0454769	ADAMTS9	ENSG00000163638
3	64707943	64708169	64708052	8	12	13	0.890415215	0.619237	ADAMTS9	ENSG00000163638
3	64708186	64708927	64708611	12	31	29	1.022835939	0.463651	ADAMTS9	ENSG00000163638
3	64708936	64709366	64709187	9	18	21	0.828148417	0.728078	ADAMTS9	ENSG00000163638
3	64709433	64709902	64709686	16	28	29	0.92694507	0.614695	ADAMTS9	ENSG00000163638
3	64710066	64710265	64710168	9	10	13	0.753428259	0.762589	ADAMTS9	ENSG00000163638
3	64710381	64710667	64710490	8	12	5	2.077635502	0.0577144	ADAMTS9	ENSG00000163638
3	64710676	64711748	64711569	12	43	36	1.140323851	0.276185	ADAMTS9	ENSG00000163638
3	64711768	64711972	64711870	8	8	18	0.454219907	0.979817	ADAMTS9	ENSG00000163638
3	64714825	64715069	64714924	14	16	12	1.253957522	0.265012	ADAMTS9	ENSG00000163638
3	64715557	64716036	64715721	12	20	7	2.517135319	0.00849957	ADAMTS9	ENSG00000163638
3	64716186	64717856	64717004	14	83	66	1.202213884	0.128877	ADAMTS9	ENSG00000163638
3	64717869	64718176	64718012	10	13	17	0.745817872	0.798145	ADAMTS9	ENSG00000163638
3	64718647	64718852	64718787	9	9	11	0.799090578	0.702688	ADAMTS9	ENSG00000163638

3	64719680	64720005	64719834	10	14	13	1.027402171	0.469541	ADAMTS9	ENSG00000163638
3	64720029	64721044	64720139	10	35	33	1.015315087	0.473842	ADAMTS9	ENSG00000163638
3	64722091	64722733	64722412	15	31	25	1.180195315	0.262599	ADAMTS9	ENSG00000163638
3	64722735	64723337	64723226	10	26	15	1.61815842	0.0584619	ADAMTS9	ENSG00000163638
3	64723423	64723630	64723532	8	10	8	1.171999514	0.35773	ADAMTS9	ENSG00000163638
3	64724383	64725143	64724763	14	39	23	1.598181155	0.0315891	ADAMTS9	ENSG00000163638
3	64725455	64726600	64726067	11	48	68	0.680964144	0.981197	ADAMTS9	ENSG00000163638
3	64726619	64727098	64726850	13	26	33	0.761486315	0.856894	ADAMTS9	ENSG00000163638
3	64727197	64727615	64727376	14	24	16	1.410159843	0.132195	ADAMTS9	ENSG00000163638
3	64727952	64728256	64728104	9	12	14	0.831054201	0.689281	ADAMTS9	ENSG00000163638
3	64729038	64729305	64729171	8	10	19	0.527399781	0.961307	ADAMTS9	ENSG00000163638
3	64729421	64729866	64729600	8	17	25	0.663859864	0.912943	ADAMTS9	ENSG00000163638
3	64730257	64730550	64730431	10	14	26	0.532727052	0.97821	ADAMTS9	ENSG00000163638
3	64730588	64730781	64730698	8	10	14	0.703199708	0.817173	ADAMTS9	ENSG00000163638
3	64732619	64733140	64732829	17	29	17	1.598181155	0.0533584	ADAMTS9	ENSG00000163638
3	64733562	64733972	64733767	10	19	28	0.66131634	0.92595	ADAMTS9	ENSG00000163638
3	64733990	64734318	64734156	8	13	24	0.536988868	0.972726	ADAMTS9	ENSG00000163638
3	64735457	64735683	64735616	10	11	8	1.278544924	0.28289	ADAMTS9	ENSG00000163638
3	64744062	64744361	64744211	12	14	8	1.598181155	0.124586	ADAMTS9	ENSG00000163638
3	64745089	64745438	64745265	16	20	15	1.25856766	0.240048	ADAMTS9	ENSG00000163638
3	64747931	64748116	64748023	8	8	14	0.575345216	0.912234	ADAMTS9	ENSG00000163638
3	64749843	64750673	64750427	14	42	33	1.212737465	0.197889	ADAMTS9	ENSG00000163638
3	64751063	64751279	64751170	13	16	8	1.811271976	0.0663685	ADAMTS9	ENSG00000163638
3	64751288	64751624	64751456	13	18	9	1.821926517	0.0548428	ADAMTS9	ENSG00000163638
3	64752208	64752444	64752380	9	12	13	0.890415215	0.619237	ADAMTS9	ENSG00000163638
3	64752831	64753242	64753126	10	18	23	0.759136049	0.817924	ADAMTS9	ENSG00000163638
3	64753278	64753694	64753445	10	18	19	0.910963258	0.614871	ADAMTS9	ENSG00000163638
3	64755604	64755931	64755768	10	13	3	3.356180426	0.00805599	ADAMTS9	ENSG00000163638
3	64757076	64757298	64757136	8	10	12	0.811384279	0.697544	ADAMTS9	ENSG00000163638
3	64758032	64758898	64758330	13	36	32	1.07514005	0.379706	ADAMTS9	ENSG00000163638
3	64759423	64759666	64759564	11	12	15	0.779113313	0.750998	ADAMTS9	ENSG00000163638
3	64759913	64760167	64760052	8	10	14	0.703199708	0.817173	ADAMTS9	ENSG00000163638
3	64760269	64760729	64760550	14	24	23	0.998863222	0.500802	ADAMTS9	ENSG00000163638
3	64762231	64763085	64762667	13	35	32	1.046082211	0.424727	ADAMTS9	ENSG00000163638

3	64763123	64763502	64763226	12	19	16	1.128127874	0.354788	ADAMTS9	ENSG00000163638
3	64763621	64764521	64764172	12	41	38	1.0326709	0.441606	ADAMTS9	ENSG00000163638
3	64764533	64764963	64764748	9	18	24	0.728770607	0.85379	ADAMTS9	ENSG00000163638
3	64765092	64765483	64765304	13	20	14	1.34247217	0.186867	ADAMTS9	ENSG00000163638
3	64765899	64767020	64766680	14	47	33	1.353753449	0.0855052	ADAMTS9	ENSG00000163638
3	64767472	64767880	64767707	12	19	25	0.737622072	0.849755	ADAMTS9	ENSG00000163638
3	64767900	64768127	64768023	10	11	7	1.43836304	0.204844	ADAMTS9	ENSG00000163638
3	64768503	64768844	64768673	10	15	10	1.394776281	0.191426	ADAMTS9	ENSG00000163638
3	64769226	64769425	64769313	8	9	6	1.369869562	0.253675	ADAMTS9	ENSG00000163638
3	64769683	64769883	64769828	8	9	8	1.065454103	0.442605	ADAMTS9	ENSG00000163638
3	64770523	64771547	64770972	11	42	41	0.981739852	0.533409	ADAMTS9	ENSG00000163638
3	64772056	64772252	64772154	9	9	5	1.598181155	0.170911	ADAMTS9	ENSG00000163638
3	64773444	64773681	64773559	10	12	12	0.958908693	0.542188	ADAMTS9	ENSG00000163638
3	64774118	64774408	64774257	13	16	19	0.815072389	0.734271	ADAMTS9	ENSG00000163638
3	64774986	64775388	64775165	12	21	22	0.917217011	0.614252	ADAMTS9	ENSG00000163638
3	64775729	64776701	64776078	11	34	29	1.118726809	0.324157	ADAMTS9	ENSG00000163638
3	64776873	64777746	64777286	13	38	29	1.246581301	0.179231	ADAMTS9	ENSG00000163638
3	64778205	64778625	64778376	8	15	20	0.730597099	0.831283	ADAMTS9	ENSG00000163638
3	64778698	64779084	64778905	12	19	14	1.278544924	0.231514	ADAMTS9	ENSG00000163638
3	64781689	64782193	64781932	9	20	16	1.184534268	0.298622	ADAMTS9	ENSG00000163638
3	64783888	64784214	64784092	10	14	13	1.027402171	0.469541	ADAMTS9	ENSG00000163638
3	64784768	64785391	64785068	12	29	19	1.43836304	0.0995642	ADAMTS9	ENSG00000163638
3	64785421	64785700	64785580	9	12	16	0.733283118	0.803868	ADAMTS9	ENSG00000163638
3	64786172	64787237	64786940	14	52	45	1.104829581	0.308995	ADAMTS9	ENSG00000163638
3	64788208	64788788	64788506	11	23	39	0.575345216	0.985755	ADAMTS9	ENSG00000163638
3	64788976	64789457	64789278	12	27	17	1.491635745	0.0879967	ADAMTS9	ENSG00000163638
3	64790137	64790341	64790178	8	10	11	0.878999635	0.622439	ADAMTS9	ENSG00000163638
3	64790835	64791707	64791101	13	43	38	1.081845705	0.358944	ADAMTS9	ENSG00000163638
3	64791845	64792278	64791930	15	26	21	1.176842487	0.282611	ADAMTS9	ENSG00000163638
3	64792385	64792767	64792596	8	15	13	1.095895649	0.398774	ADAMTS9	ENSG00000163638
3	64792998	64793299	64793156	10	13	22	0.583683552	0.948499	ADAMTS9	ENSG00000163638
3	64793381	64793702	64793541	19	23	9	2.301380863	0.00938618	ADAMTS9	ENSG00000163638
3	64794988	64795491	64795127	10	20	23	0.839045106	0.722898	ADAMTS9	ENSG00000163638
3	64795511	64795932	64795753	9	18	18	0.958908693	0.551113	ADAMTS9	ENSG00000163638

3	64796105	64798469	64797005	193	453	61	7.021686236	4.72E-72	ADAMTS9	ENSG00000163638
3	64798759	64799034	64798894	11	13	15	0.839045106	0.685928	ADAMTS9	ENSG00000163638
3	64799190	64799650	64799478	10	19	25	0.737622072	0.849755	ADAMTS9	ENSG00000163638
3	64799796	64800433	64800144	14	27	17	1.491635745	0.0879967	ADAMTS9	ENSG00000163638
3	64800637	64801254	64800844	8	24	20	1.141557968	0.324865	ADAMTS9	ENSG00000163638
3	64801450	64801694	64801529	8	11	10	1.046082211	0.455063	ADAMTS9	ENSG00000163638
3	64801775	64802308	64802052	8	19	18	1.009377572	0.487356	ADAMTS9	ENSG00000163638
3	64803709	64803963	64803878	11	14	10	1.307602763	0.244096	ADAMTS9	ENSG00000163638
3	64804553	64805142	64804926	11	24	16	1.410159843	0.132195	ADAMTS9	ENSG00000163638
3	64805253	64805541	64805397	13	14	10	1.307602763	0.244096	ADAMTS9	ENSG00000163638
3	64806150	64806444	64806297	8	10	7	1.318499453	0.269217	ADAMTS9	ENSG00000163638
3	64806956	64807255	64807118	13	17	13	1.232882605	0.274309	ADAMTS9	ENSG00000163638
3	64807537	64807762	64807696	10	13	19	0.671236085	0.87814	ADAMTS9	ENSG00000163638
3	64807772	64808150	64807996	10	15	20	0.730597099	0.831283	ADAMTS9	ENSG00000163638
3	64808809	64809080	64808938	13	15	12	1.180195315	0.324974	ADAMTS9	ENSG00000163638
3	64809513	64809823	64809687	9	11	9	1.150690432	0.367789	ADAMTS9	ENSG00000163638
3	64810935	64811784	64811605	11	38	41	0.890415215	0.699622	ADAMTS9	ENSG00000163638
3	64811993	64812216	64812147	8	10	9	1.054799562	0.4492	ADAMTS9	ENSG00000163638
3	64812531	64812944	64812666	11	18	16	1.07172148	0.415914	ADAMTS9	ENSG00000163638
3	64814740	64815425	64815084	13	33	20	1.552518836	0.0525199	ADAMTS9	ENSG00000163638
3	64815799	64815985	64815892	9	10	11	0.878999635	0.622439	ADAMTS9	ENSG00000163638
3	64816364	64817380	64817201	13	43	30	1.361031693	0.0912914	ADAMTS9	ENSG00000163638
3	64817508	64817728	64817635	10	12	9	1.246581301	0.295061	ADAMTS9	ENSG00000163638
3	64817921	64818545	64818120	11	26	10	2.353684974	0.00551687	ADAMTS9	ENSG00000163638
3	64820289	64820885	64820732	10	24	11	1.997726444	0.0196649	ADAMTS9	ENSG00000163638
3	64821191	64821407	64821299	9	10	17	0.585999757	0.924668	ADAMTS9	ENSG00000163638
3	64822638	64823108	64822791	9	17	20	0.821921737	0.731032	ADAMTS9	ENSG00000163638
3	64823680	64824602	64823907	15	46	36	1.218073205	0.182357	ADAMTS9	ENSG00000163638
3	64824956	64825143	64825064	8	8	7	1.07877228	0.435076	ADAMTS9	ENSG00000163638
3	64825217	64825883	64825756	10	26	28	0.892777059	0.664792	ADAMTS9	ENSG00000163638
3	64826180	64826436	64826305	12	14	6	2.054804342	0.0480281	ADAMTS9	ENSG00000163638
3	64826453	64826675	64826564	9	13	14	0.894981447	0.618069	ADAMTS9	ENSG00000163638
3	64826677	64826896	64826802	10	10	11	0.878999635	0.622439	ADAMTS9	ENSG00000163638
3	64827004	64827260	64827132	10	12	4	2.493162602	0.0299057	ADAMTS9	ENSG00000163638

3	64827402	64827585	64827530	9	9	7	1.198635866	0.346278	ADAMTS9	ENSG00000163638
3	64827904	64828129	64827969	10	13	16	0.789689512	0.746135	ADAMTS9	ENSG00000163638
3	64828590	64828887	64828738	9	13	12	1.0326709	0.46514	ADAMTS9	ENSG00000163638
3	64828907	64829229	64829068	10	16	18	0.857970936	0.678066	ADAMTS9	ENSG00000163638
3	64830498	64830689	64830632	8	9	15	0.599317933	0.904407	ADAMTS9	ENSG00000163638
3	64831730	64831969	64831815	10	12	10	1.133255728	0.37674	ADAMTS9	ENSG00000163638
3	64832616	64832956	64832780	11	16	20	0.776259418	0.783794	ADAMTS9	ENSG00000163638
3	64833147	64833330	64833224	8	10	11	0.878999635	0.622439	ADAMTS9	ENSG00000163638
3	64833452	64834085	64833733	9	26	23	1.07877228	0.391798	ADAMTS9	ENSG00000163638
3	64834656	64835180	64835001	10	21	20	1.004571012	0.493124	ADAMTS9	ENSG00000163638
3	64835501	64836132	64835816	11	24	22	1.042292058	0.441692	ADAMTS9	ENSG00000163638
3	64836220	64836443	64836327	8	9	12	0.737622072	0.769563	ADAMTS9	ENSG00000163638
3	64837933	64838463	64838150	17	31	27	1.095895649	0.360001	ADAMTS9	ENSG00000163638
3	64838949	64839526	64839128	13	30	11	2.47718079	0.00221867	ADAMTS9	ENSG00000163638
3	64842155	64842364	64842259	9	10	7	1.318499453	0.269217	ADAMTS9	ENSG00000163638
3	64842537	64843199	64842861	13	34	23	1.398408511	0.0991023	ADAMTS9	ENSG00000163638
3	64843967	64844453	64844072	10	21	19	1.054799562	0.429896	ADAMTS9	ENSG00000163638
3	64844625	64845731	64844852	15	54	29	1.757999271	0.00531833	ADAMTS9	ENSG00000163638
3	64845766	64846038	64845944	8	11	9	1.150690432	0.367789	ADAMTS9	ENSG00000163638
3	64849953	64850338	64850024	8	15	5	2.557089848	0.0169197	ADAMTS9	ENSG00000163638
3	64850778	64851016	64850893	11	15	14	1.022835939	0.473606	ADAMTS9	ENSG00000163638
3	64851021	64851538	64851279	11	24	22	1.042292058	0.441692	ADAMTS9	ENSG00000163638
3	64852968	64853241	64853104	11	15	18	0.807502057	0.737835	ADAMTS9	ENSG00000163638
3	64853342	64853880	64853521	12	27	28	0.925842876	0.614522	ADAMTS9	ENSG00000163638
3	64854352	64854611	64854453	10	12	14	0.831054201	0.689281	ADAMTS9	ENSG00000163638
3	64854785	64855187	64855030	9	15	11	1.278544924	0.254978	ADAMTS9	ENSG00000163638
3	64855834	64857064	64856449	15	56	54	0.9937781	0.512692	ADAMTS9	ENSG00000163638
3	64857692	64858546	64858367	10	34	32	1.017024371	0.471418	ADAMTS9	ENSG00000163638
3	64859148	64859455	64859323	9	13	24	0.536988868	0.972726	ADAMTS9	ENSG00000163638
3	64859468	64859929	64859653	9	19	21	0.871735176	0.672523	ADAMTS9	ENSG00000163638
3	64860691	64861123	64860959	12	20	12	1.54900635	0.101141	ADAMTS9	ENSG00000163638
3	64861578	64861975	64861746	8	14	11	1.198635866	0.315918	ADAMTS9	ENSG00000163638
3	64862084	64862653	64862518	14	27	23	1.118726809	0.34127	ADAMTS9	ENSG00000163638
3	64862744	64863276	64863027	10	22	12	1.696530765	0.057768	ADAMTS9	ENSG00000163638

3	64864863	64865094	64864952	8	11	9	1.150690432	0.367789	ADAMTS9	ENSG00000163638
3	64866426	64866662	64866557	8	10	6	1.506856518	0.188853	ADAMTS9	ENSG00000163638
3	64866672	64867072	64866893	9	17	19	0.863017824	0.676008	ADAMTS9	ENSG00000163638
3	64867870	64868239	64868049	9	16	17	0.905635988	0.615736	ADAMTS9	ENSG00000163638
3	64868415	64869669	64868979	17	64	40	1.520221099	0.0163318	ADAMTS9	ENSG00000163638
3	64869903	64870535	64870295	15	32	32	0.958908693	0.567412	ADAMTS9	ENSG00000163638
3	64870550	64871007	64870729	14	29	14	1.917817386	0.0161307	ADAMTS9	ENSG00000163638
3	64871465	64872158	64871742	8	24	30	0.773313462	0.832666	ADAMTS9	ENSG00000163638
3	64873387	64874282	64874050	16	42	26	1.527150882	0.0393286	ADAMTS9	ENSG00000163638
3	64874497	64874964	64874785	10	21	9	2.109599125	0.0196396	ADAMTS9	ENSG00000163638
3	64875037	64876386	64875211	12	56	56	0.958908693	0.588428	ADAMTS9	ENSG00000163638
3	64876439	64877125	64876779	17	38	31	1.16866997	0.254509	ADAMTS9	ENSG00000163638
3	64877270	64877463	64877366	8	9	12	0.737622072	0.769563	ADAMTS9	ENSG00000163638
3	64877676	64877954	64877824	11	14	16	0.846095906	0.68298	ADAMTS9	ENSG00000163638
3	64878098	64878421	64878277	8	12	14	0.831054201	0.689281	ADAMTS9	ENSG00000163638
3	64879318	64880445	64879757	9	43	48	0.861060867	0.76506	ADAMTS9	ENSG00000163638
3	64880839	64881110	64880974	9	12	13	0.890415215	0.619237	ADAMTS9	ENSG00000163638
3	64881340	64881571	64881455	8	11	20	0.547947825	0.956941	ADAMTS9	ENSG00000163638
3	64882475	64882748	64882611	10	11	19	0.575345216	0.94039	ADAMTS9	ENSG00000163638
3	64884121	64884793	64884300	10	28	30	0.897043616	0.663432	ADAMTS9	ENSG00000163638
3	64884836	64885102	64884927	8	12	17	0.692545167	0.848017	ADAMTS9	ENSG00000163638
3	64885159	64885533	64885413	14	20	19	1.006854128	0.490315	ADAMTS9	ENSG00000163638
3	64885628	64885985	64885806	12	18	13	1.301376083	0.22245	ADAMTS9	ENSG00000163638
3	64886277	64887224	64886735	12	40	43	0.893528555	0.698423	ADAMTS9	ENSG00000163638
3	64887510	64887703	64887606	9	9	17	0.532727052	0.951077	ADAMTS9	ENSG00000163638
3	64887820	64888194	64887982	10	16	25	0.626978761	0.936688	ADAMTS9	ENSG00000163638
3	64888355	64888651	64888503	9	14	18	0.757033179	0.792932	ADAMTS9	ENSG00000163638
3	64889118	64890033	64889560	11	37	47	0.759136049	0.899486	ADAMTS9	ENSG00000163638
3	64890102	64890391	64890246	13	16	8	1.811271976	0.0663685	ADAMTS9	ENSG00000163638
3	64891692	64892160	64891836	15	22	16	1.297347055	0.203559	ADAMTS9	ENSG00000163638
3	64892250	64892528	64892371	10	12	4	2.493162602	0.0299057	ADAMTS9	ENSG00000163638
3	64892546	64893253	64892725	9	28	16	1.635785418	0.0488966	ADAMTS9	ENSG00000163638
3	64894115	64894494	64894315	8	14	10	1.307602763	0.244096	ADAMTS9	ENSG00000163638
3	64895354	64895533	64895465	8	8	6	1.232882605	0.333038	ADAMTS9	ENSG00000163638

3	64896044	64896455	64896255	10	19	20	0.913246374	0.614587	ADAMTS9	ENSG00000163638
3	64896820	64897613	64896987	19	47	33	1.353753449	0.0855052	ADAMTS9	ENSG00000163638
3	64898292	64898578	64898435	8	12	9	1.246581301	0.295061	ADAMTS9	ENSG00000163638
3	64899080	64899824	64899535	12	36	32	1.07514005	0.379706	ADAMTS9	ENSG00000163638
3	64900684	64901089	64900910	10	17	18	0.908439814	0.615249	ADAMTS9	ENSG00000163638
3	64901107	64901659	64901392	9	20	34	0.575345216	0.979853	ADAMTS9	ENSG00000163638
3	64902063	64902438	64902246	9	17	13	1.232882605	0.274309	ADAMTS9	ENSG00000163638
3	64902650	64902997	64902823	11	15	15	0.958908693	0.546868	ADAMTS9	ENSG00000163638
3	64903094	64903513	64903376	14	22	23	0.918954164	0.614181	ADAMTS9	ENSG00000163638
3	64904469	64906705	64905344	155	312	77	3.847928473	4.94E-33	ADAMTS9	ENSG00000163638
3	64907155	64907578	64907381	11	21	20	1.004571012	0.493124	ADAMTS9	ENSG00000163638
3	64908215	64908609	64908463	9	16	13	1.164389127	0.333296	ADAMTS9	ENSG00000163638
3	64908740	64908999	64908852	10	12	10	1.133255728	0.37674	ADAMTS9	ENSG00000163638
3	64909511	64909751	64909587	12	12	9	1.246581301	0.295061	ADAMTS9	ENSG00000163638
3	64910610	64910935	64910767	13	17	18	0.908439814	0.615249	ADAMTS9	ENSG00000163638
3	64911065	64911367	64911281	9	13	15	0.839045106	0.685928	ADAMTS9	ENSG00000163638
3	64911700	64912182	64912003	15	26	26	0.958908693	0.560979	ADAMTS9	ENSG00000163638
3	64912184	64912895	64912363	13	31	20	1.461194199	0.084213	ADAMTS9	ENSG00000163638
3	64913632	64914037	64913858	8	15	18	0.807502057	0.737835	ADAMTS9	ENSG00000163638
3	64914159	64914379	64914232	8	10	14	0.703199708	0.817173	ADAMTS9	ENSG00000163638
3	64914620	64914848	64914772	9	10	15	0.659249726	0.861705	ADAMTS9	ENSG00000163638
3	64915055	64915314	64915181	9	12	13	0.890415215	0.619237	ADAMTS9	ENSG00000163638
3	64915316	64915497	64915333	8	10	20	0.502285506	0.972812	ADAMTS9	ENSG00000163638
3	64916997	64917309	64917153	15	19	22	0.833833646	0.725376	ADAMTS9	ENSG00000163638
3	64917428	64918527	64918301	13	53	33	1.52297263	0.0252064	ADAMTS9	ENSG00000163638
3	64919175	64919360	64919251	8	9	13	0.684934781	0.824961	ADAMTS9	ENSG00000163638
3	64920166	64920460	64920313	9	12	22	0.54199187	0.965779	ADAMTS9	ENSG00000163638
3	64921914	64923513	64923121	13	73	52	1.338853647	0.0506479	ADAMTS9	ENSG00000163638
3	64923695	64924242	64923857	9	21	12	1.622768557	0.076896	ADAMTS9	ENSG00000163638
3	66896448	66896727	66896587	9	12	1	6.232906505	0.00117736		ENSG00000214560
3	69184370	69184667	69184549	11	14	1	7.191815198	0.00034761	TMF1	ENSG00000144747
3	69240316	69240525	69240420	8	8	1	4.315089119	0.0127267	LMOD3	ENSG00000163380
3	69252765	69252958	69252861	10	12	1	6.232906505	0.00117736	LMOD3	ENSG00000163380
3	69332386	69332565	69332473	8	8	6	1.232882605	0.333038		ENSG00000210965

3	69335766	69336046	69335906	8	12	4	2.493162602	0.0299057		ENSG00000210965
3	70985979	70986495	70986316	31	46	1	22.53435429	4.53E-13		ENSG00000221382
3	71579628	71579974	71579801	21	27	0	26.84944341	6.66E-09		ENSG00000221264
3	72045531	72045715	72045579	8	8	1	4.315089119	0.0127267		ENSG00000210995
3	72255909	72256146	72256034	10	12	0	12.46581301	0.000159888		ENSG00000213456
3	72309186	72309569	72309355	14	20	1	10.06854128	8.32E-06		ENSG00000212070
3	72760029	72760257	72760152	13	13	2	4.474907234	0.00269459		ENSG00000199469
3	73074435	73074614	73074524	8	8	0	8.630178238	0.00235436	PPP4R2	ENSG00000163605
3	75180533	75180910	75180712	44	53	1	25.89053471	4.67E-15		ENSG00000211042
3	75356229	75356618	75356506	8	12	2	4.155271003	0.0046638		ENSG00000222549
3	75758769	75759056	75758923	41	41	0	40.27416511	5.44E-13		ENSG00000172971
3	75780768	75781245	75781110	9	19	14	1.278544924	0.231514	FRG2C	ENSG00000172969
3	78776564	78776772	78776653	8	8	0	8.630178238	0.00235436		ENSG00000211088
3	79217081	79217314	79217197	9	9	1	4.794543465	0.00708517	ROBO1	ENSG00000169855
3	79538031	79538330	79538180	14	16	0	16.30144778	1.09E-05		ENSG00000216116
3	79556763	79556950	79556880	8	9	3	2.397271733	0.0539397		ENSG00000216116
3	80004413	80004646	80004534	9	10	2	3.515998541	0.0136204	ROBO1	ENSG00000169855
3	80017233	80017417	80017325	8	8	1	4.315089119	0.0127267	ROBO1	ENSG00000169855
3	81893032	81893859	81893450	20	43	4	8.438396499	1.74E-09	GBE1	ENSG00000114480
3	82232303	82232573	82232447	12	13	1	6.712360851	0.000640982	GBE1	ENSG00000114480
3	82774930	82775241	82775085	12	14	3	3.595907599	0.00486913		
3	84066189	84066924	84066482	97	139	4	26.84944341	1.33E-35		ENSG00000223141
3	85296376	85296580	85296446	9	10	4	2.109599125	0.0694668	CADM2	ENSG00000175161
3	85639789	85640084	85639916	13	18	1	9.109632584	2.91E-05	CADM2	ENSG00000175161
3	87201992	87202229	87202110	9	11	7	1.43836304	0.204844	VGLL3	ENSG00000206538
3	87465306	87465512	87465409	11	11	2	3.835634772	0.00800699		ENSG00000211155
3	87635882	87636145	87636013	8	9	5	1.598181155	0.170911		ENSG00000211155
3	87739102	87739324	87739230	11	12	1	6.232906505	0.00117736		ENSG00000200703
3	88189846	88190051	88189960	10	11	2	3.835634772	0.00800699	CGGBP1	ENSG00000163320
3	88190821	88191071	88190973	8	9	5	1.598181155	0.170911	CGGBP1	ENSG00000163320
3	88191501	88191729	88191615	9	11	5	1.917817386	0.0843804	CGGBP1	ENSG00000163320
3	88237777	88238037	88237928	8	9	0	9.589086931	0.00120187	ZNF654	ENSG00000175105
3	88245411	88245711	88245556	11	14	7	1.797953799	0.0806593	ZNF654	ENSG00000175105
3	88560876	88561076	88560925	8	10	0	10.54799562	0.000613541		ENSG00000207316

3	89129111	89129598	89129335	18	32	1	15.82199344	3.96E-09	EPHA3	ENSG00000044524
3	89749641	89749888	89749770	9	9	0	9.589086931	0.00120187		ENSG00000211188
3	90096809	90097163	90096986	15	21	5	3.515998541	0.00108602		ENSG00000212598
3	90475067	90475384	90475225	8	8	4	1.726035648	0.150596		ENSG00000189002
3	90530478	90530821	90530649	77	77	100	0.740543347	0.977544		ENSG00000189002
3	90573326	90573654	90573490	22	23	23	0.958908693	0.557483		ENSG00000189002
3	90581514	90581700	90581550	9	9	5	1.598181155	0.170911		ENSG00000189002
3	95505401	95505666	95505516	8	11	6	1.643843474	0.137712		ENSG00000178660
3	96162967	96163544	96163398	11	26	11	2.157544559	0.00983179	WDR82P1	ENSG00000185141
3	96811084	96811276	96811180	9	9	0	9.589086931	0.00120187		ENSG00000222633
3	98437172	98437459	98437315	9	11	8	1.278544924	0.28289	EPHA6	ENSG00000080224
3	99561191	99561500	99561337	11	14	0	14.3836304	4.17E-05	OR5K4	ENSG00000196098
3	99646782	99646961	99646871	8	8	0	8.630178238	0.00235436	OR5K1	ENSG00000185408
3	99647407	99647877	99647586	26	35	2	11.50690432	5.48E-09	OR5K1	ENSG00000185408
3	100839219	100839406	100839312	9	9	0	9.589086931	0.00120187	COL8A1	ENSG00000144810
3	101270376	101270657	101270513	10	13	5	2.237453617	0.038866	FILIP1L	ENSG00000168386
3	101665432	101665948	101665690	15	25	0	24.93162602	2.56E-08	TMEM45A	ENSG00000181458
3	101694482	101694687	101694585	8	9	6	1.369869562	0.253675	TMEM45A	ENSG00000181458
3	101836350	101836529	101836461	8	8	2	2.876726079	0.0381137	GPR128	ENSG00000144820
3	101852860	101853090	101852975	11	12	0	12.46581301	0.000159888	GPR128	ENSG00000144820
3	102714699	102715041	102714870	8	12	7	1.558226626	0.152813	SENP7	ENSG00000138468
3	102763245	102763517	102763381	8	11	4	2.301380863	0.0459276	RG9MTD1	ENSG00000174173
3	102775179	102775368	102775273	8	9	1	4.794543465	0.00708517	PCNP	ENSG00000081154
3	102775486	102776447	102775931	27	73	7	8.869905411	6.37E-15	PCNP	ENSG00000081154
3	102803570	102803793	102803681	10	11	0	11.50690432	0.000313206		ENSG00000209035
3	102888342	102888540	102888441	9	10	3	2.636998906	0.034203	RPL24	ENSG00000114391
3	103052060	103052263	103052161	8	9	2	3.19636231	0.0229249	NFKBIZ	ENSG00000144802
3	103364622	103364803	103364712	8	8	1	4.315089119	0.0127267	ZPLD1	ENSG00000170044
3	103894264	103894584	103894424	17	22	0	22.05489994	1.92E-07		ENSG00000201065
3	106424245	106424624	106424454	26	32	4	6.328797374	9.93E-07	ALCAM	ENSG00000170017
3	106574029	106574345	106574185	15	18	3	4.554816292	0.000599415	ALCAM	ENSG00000170017
3	107226547	107226756	107226596	10	10	2	3.515998541	0.0136204	CBLB	ENSG00000114423
3	107811404	107811583	107811504	8	8	1	4.315089119	0.0127267		ENSG00000200361
3	107887320	107887643	107887470	12	16	5	2.716907964	0.0109645		ENSG00000200361

3	108443280	108443606	108443429	8	11	0	11.50690432	0.000313206		ENSG00000220989
3	108466332	108466724	108466546	21	29	10	2.615205527	0.00170492		ENSG00000220989
3	108563751	108564091	108563917	13	17	5	2.876726079	0.00703033		ENSG00000220989
3	109057242	109057459	109057350	10	10	5	1.757999271	0.121253	CD47	ENSG00000196776
3	109129111	109129315	109129202	8	9	4	1.917817386	0.103282	CD47	ENSG00000196776
3	109790814	109791215	109791054	12	19	8	2.130908207	0.0233014	KIAA1524	ENSG00000163507
3	109795308	109795614	109795461	19	21	2	7.031997082	2.73E-05	DZIP3	ENSG00000198919
3	109821878	109822138	109822008	12	14	7	1.797953799	0.0806593	DZIP3	ENSG00000198919
3	110032548	110032874	110032711	9	11	2	3.835634772	0.00800699	TRAT1	ENSG00000163519
3	110116254	110116954	110116418	25	61	3	14.86308474	4.23E-15	GUCA1C	ENSG00000138472
3	110252225	110252419	110252322	9	9	0	9.589086931	0.00120187		ENSG00000211433
3	110283639	110283831	110283715	8	8	2	2.876726079	0.0381137	MORC1	ENSG00000114487
3	112710805	112711260	112711084	27	34	2	11.18726809	1.02E-08	CD96	ENSG00000153283
3	112878256	112878476	112878366	8	9	4	1.917817386	0.103282	PLCXD2	ENSG00000144824
3	113276447	113277171	113276655	24	44	6	6.164413027	2.07E-08	C3orf52	ENSG00000114529
3	113298989	113299235	113299128	12	12	2	4.155271003	0.0046638	C3orf52	ENSG00000114529
3	113313307	113313606	113313456	14	15	2	5.114179696	0.00088103		ENSG00000207940
3	113763390	113763798	113763619	8	16	6	2.328778255	0.0221113	SLC35A5	ENSG00000138459
3	114102609	114103017	114102812	25	35	1	17.26035648	5.72E-10	CD200R1L	ENSG00000206531
3	114219415	114219643	114219528	11	13	3	3.356180426	0.00805599	C3orf17	ENSG00000163608
3	114369776	114369959	114369867	8	9	5	1.598181155	0.170911	BOC	ENSG00000144857
3	114566125	114566342	114566266	8	8	2	2.876726079	0.0381137	WDR52	ENSG00000206530
3	114737643	114737829	114737705	8	8	4	1.726035648	0.150596	SIDT1	ENSG00000072858
3	114737905	114738577	114738409	10	24	10	2.179337939	0.011585	SIDT1	ENSG00000072858
3	114769325	114769535	114769430	8	9	5	1.598181155	0.170911	SIDT1	ENSG00000072858
3	114897206	114897455	114897313	8	10	5	1.757999271	0.121253	KIAA2018	ENSG00000176542
3	114938066	114938571	114938245	15	24	5	3.995452888	0.00024777	NAT13	ENSG00000121579
3	114946568	114947067	114946747	12	26	3	6.472633678	6.96E-06	NAT13	ENSG00000121579
3	114947119	114947307	114947252	8	9	4	1.917817386	0.103282	NAT13	ENSG00000121579
3	114947896	114948461	114948317	13	29	11	2.397271733	0.00325702	ATP6V1A	ENSG00000114573
3	114950218	114950397	114950307	8	8	1	4.315089119	0.0127267	ATP6V1A	ENSG00000114573
3	114955518	114955833	114955656	10	14	0	14.3836304	4.17E-05	ATP6V1A	ENSG00000114573
3	115167654	115167838	115167746	8	9	2	3.19636231	0.0229249	ZDHHC23	ENSG00000184307
3	115257905	115258120	115258075	8	11	15	0.71918152	0.81018	KIAA1407	ENSG00000163617

3	115346737	115347121	115346915	9	15	1	7.671269544	0.000187863	DRD3	ENSG00000151577
3	115651042	115651546	115651294	14	26	1	12.94526736	1.86E-07	ZBTB20	ENSG00000181722
3	115914301	115914575	115914438	14	14	3	3.595907599	0.00486913	ZBTB20	ENSG00000181722
3	116201977	116202171	116202054	8	8	0	8.630178238	0.00235436		ENSG00000212786
3	116273109	116273314	116273152	9	9	1	4.794543465	0.00708517		ENSG00000212786
3	116347465	116347777	116347631	10	14	4	2.876726079	0.01219	ZBTB20	ENSG00000181722
3	116349156	116349464	116349310	10	13	3	3.356180426	0.00805599	ZBTB20	ENSG00000181722
3	116363524	116363806	116363665	12	12	0	12.46581301	0.000159888	ZBTB20	ENSG00000181722
3	116441222	116441613	116441395	9	13	5	2.237453617	0.038866		ENSG00000213384
3	116894456	116894797	116894624	8	12	8	1.385090334	0.219216		ENSG00000221098
3	116985920	116986135	116986021	9	10	2	3.515998541	0.0136204		ENSG00000222510
3	117016396	117016587	117016523	8	8	3	2.157544559	0.0836802		ENSG00000222510
3	117021380	117021674	117021506	14	16	10	1.481949798	0.147733		ENSG00000222510
3	117160713	117160912	117160812	8	8	2	2.876726079	0.0381137		ENSG00000209194
3	117172505	117172711	117172601	8	10	3	2.636998906	0.034203		ENSG00000209194
3	117819768	117820022	117819931	16	17	3	4.315089119	0.00102271	BZW1L1	ENSG00000198406
3	118066023	118066240	118066155	11	12	5	2.077635502	0.0577144		ENSG00000196797
3	118122299	118122553	118122426	10	11	4	2.301380863	0.0459276		ENSG00000196797
3	118123281	118123460	118123332	8	9	2	3.19636231	0.0229249		ENSG00000196797
3	118830558	118830776	118830636	9	9	2	3.19636231	0.0229249		ENSG00000206889
3	120083975	120084160	120084071	8	10	0	10.54799562	0.000613541	IGSF11	ENSG00000144847
3	120840386	120840830	120840644	26	43	7	5.273997812	1.31E-07	POPDC2	ENSG00000121577
3	120995475	120995797	120995636	21	24	0	23.97271733	5.01E-08	NR1I2	ENSG00000144852
3	121296244	121296485	121296404	8	10	4	2.109599125	0.0694668	GSK3B	ENSG00000082701
3	121297083	121297393	121297238	9	14	7	1.797953799	0.0806593	GSK3B	ENSG00000082701
3	121300350	121300541	121300445	8	9	4	1.917817386	0.103282	GSK3B	ENSG00000082701
3	121445940	121446139	121446039	9	10	0	10.54799562	0.000613541	GPR156	ENSG00000175697
3	121619436	121619615	121619552	8	8	0	8.630178238	0.00235436	FSTL1	ENSG00000163430
3	121769593	121769772	121769680	8	8	0	8.630178238	0.00235436		ENSG00000196095
3	121862883	121863297	121863062	11	19	6	2.739739123	0.00632909	HGD	ENSG00000113924
3	122320687	122320923	122320805	8	8	0	8.630178238	0.00235436	STXBP5L	ENSG00000145087
3	122932880	122933219	122933049	17	21	2	7.031997082	2.73E-05	GOLGB1	ENSG00000173230
3	122951349	122951757	122951450	9	17	5	2.876726079	0.00703033	GOLGB1	ENSG00000173230
3	123053845	123054142	123053969	21	25	1	12.46581301	3.51E-07	EAF2	ENSG00000145088

3	123142220	123142520	123142369	9	12	2	4.155271003	0.0046638	SLC15A2	ENSG00000163406
3	123144970	123145178	123145074	10	10	0	10.54799562	0.000613541	SLC15A2	ENSG00000163406
3	123197092	123197315	123197176	8	11	1	5.753452158	0.00215302	ILDR1	ENSG00000145103
3	123283246	123283434	123283295	9	9	3	2.397271733	0.0539397	CD86	ENSG00000114013
3	123584732	123585056	123584894	9	12	12	0.958908693	0.542188	CCDC58	ENSG00000160124
3	123595710	123596116	123595913	87	104	0	100.6854128	2.18E-31	FAM162A	ENSG00000114023
3	123618187	123618414	123618306	8	11	5	1.917817386	0.0843804	WDR5B	ENSG00000196981
3	123645364	123645578	123645470	8	9	3	2.397271733	0.0539397	WDR5B	ENSG00000196981
3	123697798	123698415	123698206	37	56	6	7.808256501	2.37E-11	KPNA1	ENSG00000114030
3	123735453	123735680	123735566	9	10	7	1.318499453	0.269217	KPNA1	ENSG00000114030
3	123879804	123880048	123879926	10	10	3	2.636998906	0.034203	PARP14	ENSG00000173193
3	123995278	123995515	123995378	8	10	6	1.506856518	0.188853	HSPBAP1	ENSG00000169087
3	124091757	124092163	124091960	73	85	3	20.6165369	1.06E-21		ENSG00000221211
3	124099919	124100112	124100015	9	9	4	1.917817386	0.103282		ENSG00000221211
3	124135795	124136169	124135974	26	33	1	16.30144778	2.08E-09		ENSG00000221211
3	124448656	124448858	124448742	8	8	4	1.726035648	0.150596	SEC22A	ENSG00000121542
3	124567359	124567538	124567448	8	8	0	8.630178238	0.00235436	ADCY5	ENSG00000173175
3	124786757	124787016	124786886	9	11	10	1.046082211	0.455063	PTPLB	ENSG00000206527
3	124807504	124807756	124807636	11	11	5	1.917817386	0.0843804	PTPLB	ENSG00000206527
3	124843913	124844279	124844141	9	13	3	3.356180426	0.00805599	PTPLB	ENSG00000206527
3	124846047	124846417	124846240	18	24	1	11.98635866	6.63E-07	PTPLB	ENSG00000206527
3	125419145	125419383	125419253	13	15	3	3.835634772	0.00291691	KALRN	ENSG00000160145
3	125448613	125448798	125448724	8	8	2	2.876726079	0.0381137	KALRN	ENSG00000160145
3	125468009	125468474	125468180	11	18	7	2.277408146	0.0188653	KALRN	ENSG00000160145
3	125476647	125476829	125476738	8	9	2	3.19636231	0.0229249	KALRN	ENSG00000160145
3	125584386	125584856	125584672	12	21	4	4.219198249	0.000390041	KALRN	ENSG00000160145
3	125593384	125593857	125593722	20	29	3	7.191815198	1.23E-06	KALRN	ENSG00000160145
3	125596761	125596975	125596853	8	9	5	1.598181155	0.170911	KALRN	ENSG00000160145
3	125597572	125597885	125597711	14	17	9	1.726035648	0.0753664	KALRN	ENSG00000160145
3	125598566	125599242	125598804	50	78	9	7.575378675	8.89E-15	KALRN	ENSG00000160145
3	125630433	125630986	125630776	17	31	9	3.068507818	0.000350883	KALRN	ENSG00000160145
3	125666603	125666813	125666691	8	9	0	9.589086931	0.00120187	KALRN	ENSG00000160145
3	125669780	125669983	125669933	8	9	2	3.19636231	0.0229249	KALRN	ENSG00000160145
3	125722566	125722837	125722712	13	13	3	3.356180426	0.00805599	KALRN	ENSG00000160145

3	125760826	125761039	125760928	8	10	6	1.506856518	0.188853	KALRN	ENSG00000160145
3	125761503	125761731	125761617	8	10	4	2.109599125	0.0694668	KALRN	ENSG00000160145
3	125775452	125775927	125775700	22	39	0	38.35634772	2.09E-12	KALRN	ENSG00000160145
3	125794128	125794565	125794176	9	18	6	2.602752167	0.00970422	KALRN	ENSG00000160145
3	125896009	125896287	125896176	12	14	0	14.3836304	4.17E-05	UMPS	ENSG00000114491
3	125901077	125901256	125901164	8	8	0	8.630178238	0.00235436	UMPS	ENSG00000114491
3	125933433	125933626	125933588	9	9	0	9.589086931	0.00120187	UMPS	ENSG00000114491
3	125963583	125963804	125963715	8	9	6	1.369869562	0.253675	UMPS	ENSG00000114491
3	125988365	125988612	125988444	11	13	1	6.712360851	0.000640982	UMPS	ENSG00000114491
3	126016298	126016486	126016392	9	9	5	1.598181155	0.170911	ITGB5	ENSG00000082781
3	126034194	126034384	126034234	8	8	7	1.07877228	0.435076	ITGB5	ENSG00000082781
3	126035542	126035765	126035619	8	9	3	2.397271733	0.0539397	ITGB5	ENSG00000082781
3	126039343	126039650	126039494	12	16	9	1.630144778	0.102169	ITGB5	ENSG00000082781
3	126087400	126087709	126087564	10	13	5	2.237453617	0.038866	ITGB5	ENSG00000082781
3	126102876	126103121	126102985	9	11	4	2.301380863	0.0459276	ITGB5	ENSG00000082781
3	126188045	126188334	126188163	10	11	2	3.835634772	0.00800699	MUC13	ENSG00000173702
3	126264525	126265001	126264793	8	17	5	2.876726079	0.00703033		ENSG00000209255
3	126353583	126353770	126353680	8	8	1	4.315089119	0.0127267		ENSG00000199327
3	126421265	126421513	126421399	8	9	2	3.19636231	0.0229249	SLC12A8	ENSG00000221955
3	126472732	126472955	126472821	9	10	0	10.54799562	0.000613541	SLC12A8	ENSG00000221955
3	126576752	126576994	126576873	8	10	1	5.273997812	0.00391723	ZNF148	ENSG00000163848
3	126577654	126577978	126577816	8	13	0	13.4247217	8.16E-05	ZNF148	ENSG00000163848
3	127315411	127315590	127315489	8	9	0	9.589086931	0.00120187	SLC41A3	ENSG00000114544
3	127320868	127321298	127321098	120	140	4	27.04122514	7.00E-36	SLC41A3	ENSG00000114544
3	127681882	127682065	127681973	8	8	0	8.630178238	0.00235436	ZXDC	ENSG00000070476
3	127770468	127770874	127770747	10	16	3	4.075361945	0.00173346		ENSG00000206483
3	128207374	128207802	128207552	19	28	2	9.2694507	4.06E-07	PLXNA1	ENSG00000114554
3	128577207	128577390	128577273	8	8	0	8.630178238	0.00235436		ENSG00000201288
3	128606994	128607362	128607191	17	23	2	7.671269544	8.30E-06		ENSG00000201288
3	129205720	129205941	129205868	9	10	2	3.515998541	0.0136204		ENSG00000201210
3	129209180	129209528	129209354	31	36	1	17.73981082	3.00E-10		ENSG00000201210
3	129212856	129213083	129212969	9	12	5	2.077635502	0.0577144	SEC61A1	ENSG00000058262
3	129276701	129276883	129276727	8	8	2	2.876726079	0.0381137		ENSG00000222627
3	129296692	129297265	129296939	70	104	6	14.3836304	7.21E-24		ENSG00000222627

3	129309399	129309609	129309552	8	9	1	4.794543465	0.00708517	RUVBL1	ENSG00000175792
3	129354725	129354919	129354846	10	10	3	2.636998906	0.034203	EEFSEC	ENSG00000132394
3	129355373	129355634	129355503	9	9	2	3.19636231	0.0229249	EEFSEC	ENSG00000132394
3	129545200	129545491	129545345	11	13	4	2.684944341	0.01921		ENSG00000221067
3	129603869	129604067	129604028	8	9	1	4.794543465	0.00708517		ENSG00000221067
3	129723328	129723533	129723430	8	8	1	4.315089119	0.0127267	GATA2	ENSG00000179348
3	129785899	129786204	129786049	10	13	6	1.917817386	0.0693353	C3orf27	ENSG00000198685
3	129842434	129842733	129842581	9	11	4	2.301380863	0.0459276	RPN1	ENSG00000163902
3	129845698	129845883	129845775	8	8	2	2.876726079	0.0381137	RPN1	ENSG00000163902
3	129858020	129858237	129858058	8	10	0	10.54799562	0.000613541	RPN1	ENSG00000163902
3	129882349	129882567	129882470	9	9	4	1.917817386	0.103282		ENSG00000208982
3	129911429	129911694	129911572	15	17	7	2.157544559	0.0276499		ENSG00000207130
3	130362562	130362973	130362794	16	23	5	3.835634772	0.000408054	ISY1	ENSG00000221812
3	130363275	130363476	130363335	8	9	5	1.598181155	0.170911	ISY1	ENSG00000221812
3	130470693	130470897	130470795	8	8	4	1.726035648	0.150596	C3orf37	ENSG00000183624
3	130641516	130641710	130641613	8	8	3	2.157544559	0.0836802	IFT122	ENSG00000163913
3	130691696	130692016	130691859	8	13	4	2.684944341	0.01921	RHO	ENSG00000163914
3	130799895	130800106	130800000	8	8	2	2.876726079	0.0381137		ENSG00000208944
3	130864608	130864996	130864777	13	19	5	3.19636231	0.00280933	TMCC1	ENSG00000172765
3	131026462	131026685	131026573	8	9	5	1.598181155	0.170911		ENSG00000208938
3	131050058	131050283	131050156	8	9	0	9.589086931	0.00120187		ENSG00000203644
3	131095752	131096091	131095921	8	9	3	2.397271733	0.0539397	TMCC1	ENSG00000172765
3	132041386	132041577	132041532	8	8	0	8.630178238	0.00235436		ENSG00000186110
3	132704425	132704794	132704536	9	14	3	3.595907599	0.00486913	MRPL3	ENSG00000114686
3	132930495	132930728	132930611	10	11	2	3.835634772	0.00800699	MRPL3	ENSG00000114686
3	133230709	133231096	133230953	11	17	6	2.465765211	0.014729	CPNE4	ENSG00000196353
3	133235984	133236189	133236086	8	10	0	10.54799562	0.000613541	CPNE4	ENSG00000196353
3	133236424	133236719	133236555	8	11	4	2.301380863	0.0459276	CPNE4	ENSG00000196353
3	133397720	133398016	133397868	25	26	6	3.698647816	0.00025253	ACPP	ENSG00000014257
3	133518678	133519473	133519308	15	45	10	4.009981807	1.32E-06	ACPP	ENSG00000014257
3	133619682	133620122	133619911	10	20	11	1.678090213	0.0696225	DNAJC13	ENSG00000138246
3	133737642	133737923	133737782	9	12	3	3.116453252	0.0131971	CCRL1	ENSG00000129048
3	133828453	133828885	133828642	50	62	6	8.630178238	7.32E-13	CCRL1	ENSG00000129048
3	134654588	134654888	134654725	13	15	6	2.191791298	0.0328001		ENSG00000208917

3	134846418	134846712	134846565	10	11	7	1.43836304	0.204844	TOPBP1	ENSG00000163781
3	135023521	135023730	135023625	8	8	4	1.726035648	0.150596	SRPRB	ENSG00000144867
3	135145101	135145341	135145180	8	11	1	5.753452158	0.00215302	C3orf36	ENSG00000221972
3	135414512	135414745	135414606	8	10	7	1.318499453	0.269217	RYK	ENSG00000163785
3	135451320	135451768	135451592	11	17	0	17.26035648	5.54E-06	RYK	ENSG00000163785
3	135509969	135510162	135510076	9	11	5	1.917817386	0.0843804	RPL39P5	ENSG00000214289
3	135542881	135543392	135543113	31	45	3	11.02744997	8.54E-11	RPL39P5	ENSG00000214289
3	135576835	135577035	135576919	9	10	3	2.636998906	0.034203	AMOTL2	ENSG00000114019
3	135583382	135583694	135583538	16	18	4	3.643853034	0.00178791	AMOTL2	ENSG00000114019
3	135650858	135651169	135651013	11	13	4	2.684944341	0.01921		ENSG00000214288
3	135675449	135675761	135675605	9	11	4	2.301380863	0.0459276	CEP63	ENSG00000182923
3	135676452	135676838	135676610	21	26	0	25.89053471	1.31E-08	CEP63	ENSG00000182923
3	135687072	135687377	135687224	10	14	4	2.876726079	0.01219	CEP63	ENSG00000182923
3	135799166	135799519	135799342	10	15	3	3.835634772	0.00291691	KY	ENSG00000174611
3	136875940	136876505	136876234	21	38	3	9.349359757	5.96E-09	PPP2R3A	ENSG00000073711
3	137050822	137051049	137050943	11	13	0	13.4247217	8.16E-05	PPP2R3A	ENSG00000073711
3	137096627	137097055	137096806	9	19	7	2.397271733	0.0127287	PPP2R3A	ENSG00000073711
3	137119766	137120058	137119910	16	19	3	4.794543465	0.000349205	PPP2R3A	ENSG00000073711
3	137128716	137129094	137128877	21	27	9	2.684944341	0.00192568	PPP2R3A	ENSG00000073711
3	137141549	137141762	137141655	8	8	1	4.315089119	0.0127267	PPP2R3A	ENSG00000073711
3	137167701	137167941	137167805	12	12	5	2.077635502	0.0577144	PPP2R3A	ENSG00000073711
3	137210888	137211196	137211042	10	16	5	2.716907964	0.0109645	PPP2R3A	ENSG00000073711
3	137224133	137224655	137224418	45	63	6	8.767165194	4.08E-13	PPP2R3A	ENSG00000073711
3	137276842	137277078	137276973	10	11	4	2.301380863	0.0459276	PPP2R3A	ENSG00000073711
3	137343716	137344479	137343893	23	50	6	6.986334764	7.24E-10	MSL2	ENSG00000174579
3	137393026	137393346	137393174	12	15	2	5.114179696	0.00088103	MSL2	ENSG00000174579
3	137394070	137394330	137394174	8	10	3	2.636998906	0.034203	MSL2	ENSG00000174579
3	137396766	137396997	137396891	9	11	3	2.876726079	0.0213797	MSL2	ENSG00000174579
3	137397941	137398417	137398120	11	21	7	2.636998906	0.00562102	MSL2	ENSG00000174579
3	137398720	137399071	137398895	11	16	10	1.481949798	0.147733	MSL2	ENSG00000174579
3	137536753	137536986	137536869	8	9	5	1.598181155	0.170911	PCCB	ENSG00000114054
3	137593190	137593462	137593326	15	18	1	9.109632584	2.91E-05		ENSG00000200571
3	137953813	137954087	137953950	9	11	2	3.835634772	0.00800699	STAG1	ENSG00000118007
3	138063220	138063469	138063323	8	11	3	2.876726079	0.0213797	NCK1	ENSG00000158092

3	138064180	138064615	138064478	8	14	4	2.876726079	0.01219	NCK1	ENSG00000158092
3	138234106	138234346	138234180	8	11	5	1.917817386	0.0843804	IL20RB	ENSG00000174564
3	138256257	138256872	138256599	42	63	5	10.22835939	7.02E-14	IL20RB	ENSG00000174564
3	138312026	138312240	138312133	9	11	3	2.876726079	0.0213797	IL20RB	ENSG00000174564
3	138323251	138323573	138323412	10	13	4	2.684944341	0.01921	IL20RB	ENSG00000174564
3	138533788	138534464	138534011	41	65	3	15.82199344	3.44E-16		ENSG00000201325
3	138537731	138537952	138537807	9	9	5	1.598181155	0.170911		ENSG00000201325
3	138894341	138894545	138894443	9	10	0	10.54799562	0.000613541	SOX14	ENSG00000168875
3	139147988	139148498	139148167	10	22	9	2.205489994	0.0136443	CLDN18	ENSG00000066405
3	139284151	139284373	139284306	9	10	3	2.636998906	0.034203		ENSG00000214282
3	139388860	139389074	139388977	8	8	3	2.157544559	0.0836802	ARMC8	ENSG00000114098
3	139529995	139530198	139530100	8	9	1	4.794543465	0.00708517	TXNDC6	ENSG00000181322
3	139549495	139549722	139549626	8	9	5	1.598181155	0.170911	MRAS	ENSG00000158186
3	139585634	139585850	139585742	9	11	1	5.753452158	0.00215302	MRAS	ENSG00000158186
3	139680959	139681201	139681067	12	14	3	3.595907599	0.00486913	FAM62C	ENSG00000158220
3	139875679	139876033	139875914	13	18	2	6.073088389	0.000157975		ENSG00000174715
3	139888451	139888678	139888561	8	8	7	1.07877228	0.435076		ENSG00000174715
3	140425233	140425643	140425443	53	66	1	32.12344122	9.20E-19	MRPS22	ENSG00000175110
3	140519230	140519409	140519321	8	8	3	2.157544559	0.0836802	MRPS22	ENSG00000175110
3	140519879	140520113	140520024	8	9	4	1.917817386	0.103282	MRPS22	ENSG00000175110
3	140545396	140545654	140545525	9	11	3	2.876726079	0.0213797	MRPS22	ENSG00000175110
3	140545912	140546123	140546017	12	13	1	6.712360851	0.000640982	MRPS22	ENSG00000175110
3	140917178	140917717	140917411	50	77	1	37.39743903	6.55E-22	NMNAT3	ENSG00000163864
3	141117781	141118134	141117947	8	12	4	2.493162602	0.0299057	CLSTN2	ENSG00000158258
3	141118384	141118703	141118553	13	18	8	2.024362796	0.0334397	CLSTN2	ENSG00000158258
3	141382107	141382360	141382263	12	13	1	6.712360851	0.000640982	CLSTN2	ENSG00000158258
3	141624704	141625421	141625218	62	111	1	53.69888681	1.10E-31		ENSG00000216184
3	141702476	141702666	141702608	8	8	0	8.630178238	0.00235436		ENSG00000216184
3	141831448	141831629	141831538	8	9	0	9.589086931	0.00120187	TRIM42	ENSG00000155890
3	141972757	141972947	141972883	8	8	3	2.157544559	0.0836802	TRIM42	ENSG00000155890
3	142129243	142129563	142129403	12	16	7	2.037680973	0.0400399	SLC25A36	ENSG00000114120
3	142213131	142213368	142213249	13	14	4	2.876726079	0.01219	SPSB4	ENSG00000175093
3	142393851	142394091	142393951	8	10	6	1.506856518	0.188853	ACPL2	ENSG00000155893
3	142477599	142477821	142477702	16	18	1	9.109632584	2.91E-05	ACPL2	ENSG00000155893

3	142510140	142510547	142510380	21	28	7	3.476044012	0.000248863	ZBTB38	ENSG00000177311
3	142562367	142562901	142562483	12	23	11	1.917817386	0.0274129	ZBTB38	ENSG00000177311
3	142567460	142567643	142567551	9	9	2	3.19636231	0.0229249	ZBTB38	ENSG00000177311
3	142567787	142568228	142567912	12	20	2	6.712360851	4.91E-05	ZBTB38	ENSG00000177311
3	142939536	142939858	142939699	9	12	7	1.558226626	0.152813	RNF7	ENSG00000114125
3	142965420	142965623	142965457	8	8	3	2.157544559	0.0836802	GRK7	ENSG00000114124
3	143077095	143077403	143077254	11	15	3	3.835634772	0.00291691	ATP1B3	ENSG00000069849
3	143114680	143114973	143114822	12	14	1	7.191815198	0.00034761		ENSG00000200389
3	143141705	143141908	143141811	8	10	3	2.636998906	0.034203		ENSG00000200389
3	143151920	143152146	143152033	8	9	5	1.598181155	0.170911		ENSG00000214271
3	143182765	143182954	143182826	8	8	1	4.315089119	0.0127267		ENSG00000214271
3	143797761	143798107	143797934	11	17	8	1.917817386	0.0474153	ATR	ENSG00000175054
3	144030332	144030547	144030419	8	10	1	5.273997812	0.00391723	PCOLCE2	ENSG00000163710
3	144202815	144203242	144203063	11	20	14	1.34247217	0.186867		ENSG00000163714
3	144450538	144450924	144450717	20	29	1	14.3836304	2.72E-08		ENSG00000181814
3	144465332	144465678	144465505	31	36	0	35.47962164	1.57E-11		ENSG00000181814
3	144803340	144803958	144803751	51	75	5	12.14617678	4.95E-17	SLC9A9	ENSG00000181804
3	145084748	145085323	145084898	19	31	4	6.137015636	1.74E-06	SLC9A9	ENSG00000181804
3	145152993	145153215	145153133	8	8	5	1.43836304	0.235762	C3orf58	ENSG00000181744
3	145363668	145364067	145363847	8	15	2	5.114179696	0.00088103		ENSG00000222778
3	145633216	145633448	145633314	11	13	0	13.4247217	8.16E-05		ENSG00000212780
3	146445025	146445243	146445135	11	11	0	11.50690432	0.000313206		
3	146466841	146467138	146466965	8	10	3	2.636998906	0.034203		
3	146554717	146554964	146554840	11	13	0	13.4247217	8.16E-05		
3	146558084	146558655	146558439	32	46	2	15.02290286	5.55E-12		
3	146828550	146829046	146828867	18	26	0	25.89053471	1.31E-08		ENSG00000222350
3	147260855	147261034	147260981	8	8	1	4.315089119	0.0127267		ENSG00000198533
3	147395887	147396102	147395994	8	11	1	5.753452158	0.00215302	PLOD2	ENSG00000152952
3	147622374	147622695	147622534	8	14	5	2.397271733	0.0258078	PLSCR2	ENSG00000163746
3	147745299	147745495	147745388	10	10	6	1.506856518	0.188853	PLSCR1	ENSG00000188313
3	147782520	147783010	147782874	33	53	2	17.26035648	6.53E-14		ENSG00000199812
3	148733103	148733292	148733132	8	9	1	4.794543465	0.00708517	ZIC1	ENSG00000152977
3	149087564	149087791	149087627	8	10	9	1.054799562	0.4492		ENSG00000221431
3	149146597	149146867	149146732	8	11	1	5.753452158	0.00215302		ENSG00000221431

3	149428047	149428359	149428200	15	18	5	3.036544195	0.0044641		ENSG00000205412
3	149478986	149479166	149479099	8	8	4	1.726035648	0.150596		ENSG00000205412
3	149898210	149898395	149898268	8	8	1	4.315089119	0.0127267	AGTR1	ENSG00000144891
3	149927786	149928063	149927924	11	13	7	1.678090213	0.11195	AGTR1	ENSG00000144891
3	150017589	150017782	150017684	8	8	3	2.157544559	0.0836802	CPB1	ENSG00000153002
3	150132199	150132439	150132371	8	11	4	2.301380863	0.0459276		ENSG00000174995
3	150144047	150144330	150144188	8	10	9	1.054799562	0.4492		ENSG00000174995
3	150151413	150151699	150151556	9	11	2	3.835634772	0.00800699		ENSG00000174995
3	150156045	150156283	150156109	8	11	1	5.753452158	0.00215302		ENSG00000174995
3	150392223	150392816	150392604	60	85	0	82.4661476	7.71E-26	CP	ENSG00000047457
3	150447610	150448198	150447884	8	21	13	1.506856518	0.109266	CP	ENSG00000047457
3	150473630	150473892	150473761	11	13	4	2.684944341	0.01921	CP	ENSG00000047457
3	150477939	150478271	150478105	14	19	8	2.130908207	0.0233014	CP	ENSG00000047457
3	150500523	150500999	150500694	34	45	11	3.675816657	3.45E-06	TM4SF18	ENSG00000163762
3	150586930	150587472	150587281	10	23	12	1.770292972	0.0429088	TM4SF1	ENSG00000169908
3	150602121	150602357	150602261	10	10	4	2.109599125	0.0694668	TM4SF1	ENSG00000169908
3	150674248	150674515	150674391	13	16	5	2.716907964	0.0109645	TM4SF4	ENSG00000169903
3	150762183	150762362	150762270	8	8	4	1.726035648	0.150596	TM4SF4	ENSG00000169903
3	150819412	150819595	150819465	8	8	7	1.07877228	0.435076	WWTR1	ENSG00000018408
3	150917921	150918181	150918051	10	13	7	1.678090213	0.11195	COMMD2	ENSG00000114744
3	150952858	150953181	150953037	12	16	5	2.716907964	0.0109645	COMMD2	ENSG00000114744
3	150984175	150984889	150984418	35	58	2	18.85853763	2.68E-15	C3orf16	ENSG00000206199
3	151013607	151014242	151014003	11	24	7	2.996589666	0.00154378	RNF13	ENSG00000082996
3	151026025	151026216	151026091	10	10	1	5.273997812	0.00391723	RNF13	ENSG00000082996
3	151137378	151137737	151137557	8	15	4	3.068507818	0.0076507		ENSG00000208760
3	151169245	151169459	151169352	8	9	3	2.397271733	0.0539397	PFN2	ENSG00000070087
3	151169527	151169890	151169719	10	16	4	3.260289556	0.00475414	PFN2	ENSG00000070087
3	151171997	151172181	151172159	8	10	3	2.636998906	0.034203	PFN2	ENSG00000070087
3	151295088	151295374	151295240	9	12	5	2.077635502	0.0577144		ENSG00000208756
3	151364194	151364398	151364294	10	11	4	2.301380863	0.0459276		ENSG00000222269
3	151364474	151364664	151364553	8	8	5	1.43836304	0.235762		ENSG00000222269
3	151378986	151379165	151379055	8	8	2	2.876726079	0.0381137		ENSG00000222269
3	151384768	151385035	151384881	8	11	4	2.301380863	0.0459276		ENSG00000222269
3	151421828	151422017	151421922	8	8	4	1.726035648	0.150596		ENSG00000222269

3	151438942	151439258	151439100	10	14	18	0.757033179	0.792932	ENSG00000222269
3	151469298	151469562	151469430	9	12	4	2.493162602	0.0299057	ENSG00000222269
3	151473962	151474223	151474081	10	10	6	1.506856518	0.188853	ENSG00000222269
3	151514995	151515386	151515207	12	20	4	4.027416511	0.000652226	ENSG00000222269
3	151517928	151518291	151518097	10	15	8	1.704726565	0.0916153	ENSG00000222269
3	151520406	151520726	151520551	12	17	1	8.630178238	5.44E-05	ENSG00000222269
3	151545577	151545950	151545771	18	26	6	3.698647816	0.00025253	TSC22D2 ENSG00000196428
3	151551087	151551336	151551202	8	8	10	0.784561658	0.708731	TSC22D2 ENSG00000196428
3	151572369	151572694	151572531	8	14	2	4.794543465	0.00154571	TSC22D2 ENSG00000196428
3	151594329	151594536	151594432	10	12	1	6.232906505	0.00117736	TSC22D2 ENSG00000196428
3	151607660	151607921	151607790	8	12	5	2.077635502	0.0577144	TSC22D2 ENSG00000196428
3	151643138	151643328	151643271	8	10	4	2.109599125	0.0694668	TSC22D2 ENSG00000196428
3	151649679	151649969	151649824	10	13	3	3.356180426	0.00805599	TSC22D2 ENSG00000196428
3	151670191	151670392	151670291	8	9	5	1.598181155	0.170911	TSC22D2 ENSG00000196428
3	151698563	151698772	151698693	9	9	5	1.598181155	0.170911	SERP1 ENSG00000120742
3	151746874	151747553	151747183	9	27	5	4.474907234	5.37E-05	EIF2A ENSG00000144895
3	151766429	151766713	151766571	9	10	0	10.54799562	0.000613541	EIF2A ENSG00000144895
3	151800325	151800539	151800432	8	8	0	8.630178238	0.00235436	ENSG00000198843
3	151868683	151868928	151868792	8	11	3	2.876726079	0.0213797	C3orf44 ENSG00000163645
3	151923332	151923651	151923509	13	17	4	3.452071295	0.00292757	C3orf44 ENSG00000163645
3	151936787	151937012	151936929	9	11	10	1.046082211	0.455063	SIAH2 ENSG00000181788
3	151956859	151957101	151956998	9	10	6	1.506856518	0.188853	SIAH2 ENSG00000181788
3	151988372	151988657	151988499	10	12	2	4.155271003	0.0046638	SIAH2 ENSG00000181788
3	151991133	151991388	151991247	8	8	1	4.315089119	0.0127267	SIAH2 ENSG00000181788
3	152285118	152285321	152285201	8	9	4	1.917817386	0.103282	MED12L ENSG00000144893
3	152346479	152346743	152346611	9	12	4	2.493162602	0.0299057	ENSG00000199994
3	152427891	152428118	152427950	8	10	5	1.757999271	0.121253	GPR171 ENSG00000174946
3	152428274	152428520	152428380	8	12	3	3.116453252	0.0131971	GPR171 ENSG00000174946
3	152505650	152505980	152505815	12	17	1	8.630178238	5.44E-05	GPR87 ENSG00000138271
3	152516267	152517530	152516550	81	143	8	15.34253909	1.83E-32	GPR87 ENSG00000138271
3	152528967	152529281	152529124	8	10	5	1.757999271	0.121253	P2RY13 ENSG00000181631
3	153037544	153038004	153037723	17	30	9	2.972616948	0.000542331	AADAC ENSG00000114771
3	153039501	153039753	153039627	8	9	9	0.958908693	0.536911	AADAC ENSG00000114771
3	153056663	153056996	153056829	10	14	6	2.054804342	0.0480281	SUCNR1 ENSG00000198829

3	153272575	153272828	153272681	11	11	5	1.917817386	0.0843804	SUCNR1	ENSG00000198829
3	153350403	153350663	153350532	15	16	1	8.150723891	0.000101217	MBNL1	ENSG00000152601
3	153468678	153468887	153468788	9	10	1	5.273997812	0.00391723	MBNL1	ENSG00000152601
3	153469374	153469598	153469520	12	12	2	4.155271003	0.0046638	MBNL1	ENSG00000152601
3	153499783	153500004	153499893	9	9	3	2.397271733	0.0539397	MBNL1	ENSG00000152601
3	153672535	153672718	153672594	8	8	3	2.157544559	0.0836802		ENSG00000201217
3	153709633	153709844	153709697	8	10	0	10.54799562	0.000613541		ENSG00000201217
3	154243542	154243845	154243693	11	14	2	4.794543465	0.00154571		ENSG00000208713
3	154339090	154339479	154339269	14	22	4	4.410979988	0.000231863		ENSG00000208713
3	154360393	154362199	154361298	202	399	15	23.97271733	3.99E-95	RAP2B	ENSG00000181467
3	154362426	154362646	154362536	8	9	3	2.397271733	0.0539397	RAP2B	ENSG00000181467
3	154514022	154514872	154514402	55	102	4	19.75351908	2.58E-25		ENSG00000222228
3	154814821	154815634	154815282	184	263	5	42.19198249	2.62E-69		ENSG00000200162
3	155260297	155260632	155260464	11	15	4	3.068507818	0.0076507		ENSG00000201398
3	155277600	155277819	155277771	8	9	7	1.198635866	0.346278		ENSG00000114790
3	155289997	155290230	155290118	13	14	6	2.054804342	0.0480281		ENSG00000114790
3	155333498	155333863	155333706	19	25	4	4.986325204	4.72E-05		ENSG00000114790
3	155362263	155362531	155362376	11	14	4	2.876726079	0.01219		ENSG00000114790
3	155381965	155382253	155382115	11	13	1	6.712360851	0.000640982		ENSG00000114790
3	155621620	155621879	155621732	8	9	4	1.917817386	0.103282	GPR149	ENSG00000174948
3	156104891	156105227	156105059	10	13	2	4.474907234	0.00269459	MME	ENSG00000196549
3	156223450	156223632	156223580	8	9	3	2.397271733	0.0539397	MME	ENSG00000196549
3	156514443	156514643	156514605	8	8	0	8.630178238	0.00235436		ENSG00000208662
3	156523548	156523787	156523669	9	10	2	3.515998541	0.0136204		ENSG00000208662
3	156543304	156543544	156543443	8	11	0	11.50690432	0.000313206		ENSG00000208662
3	156627303	156627643	156627472	32	33	0	32.60289556	1.18E-10		ENSG00000208662
3	156844141	156844359	156844250	9	11	3	2.876726079	0.0213797	PLCH1	ENSG00000114805
3	156928390	156928683	156928532	12	16	5	2.716907964	0.0109645	PLCH1	ENSG00000114805
3	156931397	156931630	156931543	10	12	14	0.831054201	0.689281	PLCH1	ENSG00000114805
3	156945460	156945747	156945603	8	11	3	2.876726079	0.0213797	C3orf33	ENSG00000174928
3	156983161	156983365	156983263	9	9	9	0.958908693	0.536911	C3orf33	ENSG00000174928
3	157006909	157007149	157007030	9	11	5	1.917817386	0.0843804	C3orf33	ENSG00000174928
3	157054686	157055242	157054979	20	35	11	2.876726079	0.000294022	SLC33A1	ENSG00000169359
3	157196147	157196433	157196290	8	12	11	1.038817751	0.460341		ENSG00000208661

3	157225557	157225763	157225660	9	10	1	5.273997812	0.00391723	CASRL1	ENSG00000174930
3	157352346	157352558	157352440	8	9	6	1.369869562	0.253675	KCNAB1	ENSG00000169282
3	157583006	157583202	157583111	8	10	1	5.273997812	0.00391723	KCNAB1	ENSG00000169282
3	157600728	157600922	157600825	9	10	1	5.273997812	0.00391723	KCNAB1	ENSG00000169282
3	157741602	157741817	157741712	9	11	3	2.876726079	0.0213797	SSR3	ENSG00000114850
3	157774208	157774393	157774300	8	8	2	2.876726079	0.0381137	SSR3	ENSG00000114850
3	157876346	157876738	157876581	11	19	4	3.835634772	0.00108365	TIPARP	ENSG00000163659
3	158013103	158013358	158013232	14	14	10	1.307602763	0.244096		ENSG00000213198
3	158017772	158018305	158018146	16	26	17	1.43836304	0.111326		ENSG00000213198
3	158026345	158026637	158026496	8	10	7	1.318499453	0.269217	LEKR1	ENSG00000197980
3	158289303	158289673	158289482	9	16	3	4.075361945	0.00173346		ENSG00000201778
3	158338017	158338231	158338079	8	10	3	2.636998906	0.034203		ENSG00000201778
3	158375270	158376040	158375565	21	47	11	3.835634772	1.35E-06		ENSG00000208656
3	158404918	158405102	158405010	10	10	1	5.273997812	0.00391723		ENSG00000208656
3	158699865	158700206	158700041	8	13	7	1.678090213	0.11195	VEPH1	ENSG00000197415
3	158827387	158827770	158827562	12	18	6	2.602752167	0.00970422	C3orf55	ENSG00000174899
3	159065878	159066144	159066057	9	12	8	1.385090334	0.219216		ENSG00000208653
3	159288540	159288764	159288604	8	10	0	10.54799562	0.000613541	SHOX2	ENSG00000168779
3	159310490	159310835	159310660	10	15	5	2.557089848	0.0169197	RSRC1	ENSG00000174891
3	159310896	159311203	159311034	8	12	3	3.116453252	0.0131971	RSRC1	ENSG00000174891
3	159434548	159434732	159434643	8	8	4	1.726035648	0.150596	RSRC1	ENSG00000174891
3	160574569	160574817	160574693	9	9	1	4.794543465	0.00708517	SCHIP1	ENSG00000151967
3	161021612	161022044	161021781	11	21	0	21.09599125	3.76E-07		ENSG00000208651
3	161029053	161029306	161029192	17	17	3	4.315089119	0.00102271		ENSG00000208651
3	161029924	161030599	161030214	265	335	7	40.27416511	5.48E-87		ENSG00000208651
3	161082275	161082637	161082452	33	39	3	9.589086931	3.26E-09		ENSG00000208651
3	161220439	161220766	161220602	8	9	1	4.794543465	0.00708517	IL12A	ENSG00000168811
3	161232802	161233033	161232926	8	10	2	3.515998541	0.0136204	IL12A	ENSG00000168811
3	161600097	161600493	161600225	12	19	1	9.589086931	1.56E-05	SMC4	ENSG00000113810
3	161766134	161766326	161766236	8	8	3	2.157544559	0.0836802	KPNA4	ENSG00000186432
3	161867993	161868186	161868089	9	10	0	10.54799562	0.000613541	ARL14	ENSG00000179674
3	161958274	161958488	161958381	8	8	2	2.876726079	0.0381137	PPM1L	ENSG00000163590
3	162302454	162302634	162302542	8	8	1	4.315089119	0.0127267	B3GALNT1	ENSG00000169255
3	162420862	162421101	162420981	8	9	2	3.19636231	0.0229249	NMD3	ENSG00000169251

3	162430772	162431087	162430929	9	11	2	3.835634772	0.00800699	NMD3	ENSG00000169251
3	162501599	162501844	162501721	9	9	2	3.19636231	0.0229249	C3orf57	ENSG00000196542
3	162540122	162540315	162540218	8	8	11	0.71918152	0.777546	C3orf57	ENSG00000196542
3	162571900	162572448	162572079	10	23	10	2.092164421	0.0165595	C3orf57	ENSG00000196542
3	162572515	162572862	162572692	10	14	7	1.797953799	0.0806593	C3orf57	ENSG00000196542
3	162572901	162573084	162572983	8	9	2	3.19636231	0.0229249		ENSG00000179522
3	162573124	162573309	162573242	8	8	4	1.726035648	0.150596		ENSG00000179522
3	162612551	162612909	162612730	14	20	9	2.013708255	0.0279742		ENSG00000129973
3	162616378	162616703	162616540	18	21	11	1.757999271	0.0516118		ENSG00000129973
3	162621268	162621564	162621433	23	26	10	2.353684974	0.00551687		ENSG00000129973
3	162623692	162623930	162623770	9	11	4	2.301380863	0.0459276		ENSG00000129973
3	162709392	162709618	162709505	8	9	3	2.397271733	0.0539397		ENSG00000182447
3	162752139	162752403	162752266	11	12	2	4.155271003	0.0046638		ENSG00000182447
3	162759937	162760208	162760047	15	17	13	1.232882605	0.274309		ENSG00000182447
3	162761556	162761842	162761695	8	10	4	2.109599125	0.0694668		ENSG00000182447
3	162801156	162801388	162801272	9	10	6	1.506856518	0.188853		ENSG00000182447
3	162831320	162831538	162831409	9	9	2	3.19636231	0.0229249		ENSG00000182447
3	163221794	163221973	163221883	8	8	3	2.157544559	0.0836802		
3	163320031	163320324	163320179	10	12	5	2.077635502	0.0577144		
3	163622319	163622788	163622652	19	29	2	9.589086931	2.21E-07		
3	163661721	163661989	163661855	8	8	2	2.876726079	0.0381137		
3	164165740	164165948	164165844	8	8	3	2.157544559	0.0836802		
3	164272271	164272480	164272375	13	13	9	1.34247217	0.232231		ENSG00000221205
3	164340652	164340875	164340749	9	9	0	9.589086931	0.00120187		ENSG00000221205
3	164674607	164674798	164674717	8	8	2	2.876726079	0.0381137		ENSG00000221205
3	164780884	164781195	164781033	8	9	4	1.917817386	0.103282		ENSG00000221205
3	164871788	164871983	164871942	8	9	1	4.794543465	0.00708517		ENSG00000221205
3	164898820	164899036	164898928	13	13	4	2.684944341	0.01921		ENSG00000221205
3	164905758	164905948	164905853	8	8	1	4.315089119	0.0127267		ENSG00000221205
3	165228927	165229175	165228974	8	12	2	4.155271003	0.0046638		ENSG00000214210
3	165400588	165400775	165400723	8	8	2	2.876726079	0.0381137		ENSG00000221251
3	165609637	165609879	165609753	9	11	1	5.753452158	0.00215302		ENSG00000221755
3	166090846	166091072	166090974	8	8	1	4.315089119	0.0127267	SI	ENSG00000090402
3	166407303	166407535	166407442	10	11	11	0.958908693	0.540507	SLITRK3	ENSG00000121871

3	166410632	166410811	166410696	8	8	2	2.876726079	0.0381137	SLITRK3	ENSG00000121871
3	166419468	166419665	166419547	8	8	3	2.157544559	0.0836802	SLITRK3	ENSG00000121871
3	166582800	166582996	166582875	9	9	1	4.794543465	0.00708517	SLITRK3	ENSG00000121871
3	166944957	166945280	166945118	9	10	5	1.757999271	0.121253	BCHE	ENSG00000114200
3	167367369	167367585	167367477	9	9	0	9.589086931	0.00120187		ENSG00000208609
3	167382872	167383051	167382961	8	8	0	8.630178238	0.00235436		ENSG00000208609
3	167486586	167486766	167486657	8	8	1	4.315089119	0.0127267		ENSG00000208601
3	167627207	167627393	167627300	9	9	0	9.589086931	0.00120187		ENSG00000208601
3	167647166	167647411	167647288	8	8	1	4.315089119	0.0127267		ENSG00000208601
3	167935173	167935515	167935372	12	16	3	4.075361945	0.00173346		ENSG00000208599
3	168008651	168008855	168008753	8	10	1	5.273997812	0.00391723		ENSG00000185790
3	168030357	168030662	168030509	16	17	3	4.315089119	0.00102271		ENSG00000185790
3	168038170	168038408	168038292	9	9	1	4.794543465	0.00708517		ENSG00000185790
3	168580499	168581070	168580678	21	37	11	3.036544195	0.00012563	ZBBX	ENSG00000169064
3	168607346	168607651	168607491	13	16	4	3.260289556	0.00475414	ZBBX	ENSG00000169064
3	168934611	168934900	168934755	9	12	3	3.116453252	0.0131971	PDCD10	ENSG00000114209
3	168935378	168935789	168935554	10	16	8	1.811271976	0.0663685	PDCD10	ENSG00000114209
3	168936018	168936306	168936162	8	13	8	1.491635745	0.166708	SERPINI1	ENSG00000163536
3	168950236	168950434	168950335	8	8	1	4.315089119	0.0127267	SERPINI1	ENSG00000163536
3	169128548	169128881	169128714	11	16	2	5.433815927	0.000499302	GOLIM4	ENSG00000173905
3	169140752	169141020	169140886	11	14	3	3.595907599	0.00486913	GOLIM4	ENSG00000173905
3	169178782	169179014	169178914	12	13	6	1.917817386	0.0693353	GOLIM4	ENSG00000173905
3	169296006	169296231	169296171	8	9	2	3.19636231	0.0229249	GOLIM4	ENSG00000173905
3	169296445	169297150	169296721	21	44	5	7.191815198	4.84E-09	GOLIM4	ENSG00000173905
3	169411887	169412165	169412030	10	11	5	1.917817386	0.0843804	GOLIM4	ENSG00000173905
3	169431755	169431980	169431822	9	12	3	3.116453252	0.0131971	GOLIM4	ENSG00000173905
3	169871627	169871919	169871802	8	11	4	2.301380863	0.0459276		ENSG00000207717
3	170071353	170071562	170071465	10	12	5	2.077635502	0.0577144	C3orf50	ENSG00000206120
3	170078380	170078695	170078537	20	23	8	2.557089848	0.00494559	C3orf50	ENSG00000206120
3	170286357	170286664	170286510	18	20	3	5.034270639	0.000202317	EVI1	ENSG00000085276
3	170349874	170350190	170350045	16	19	3	4.794543465	0.000349205	EVI1	ENSG00000085276
3	170355820	170356008	170355922	8	8	2	2.876726079	0.0381137	EVI1	ENSG00000085276
3	170373097	170373353	170373225	11	13	3	3.356180426	0.00805599	EVI1	ENSG00000085276
3	170373693	170374037	170373865	14	19	6	2.739739123	0.00632909	EVI1	ENSG00000085276

3	170425641	170426096	170425814	29	38	3	9.349359757	5.96E-09	EVI1	ENSG00000085276
3	170445202	170445470	170445336	8	8	1	4.315089119	0.0127267	EVI1	ENSG00000085276
3	170590794	170591034	170590914	10	13	2	4.474907234	0.00269459	MDS1	ENSG00000206115
3	170817914	170818233	170818081	11	12	1	6.232906505	0.00117736		ENSG00000184531
3	170857892	170858243	170858067	11	15	9	1.534253909	0.136498		ENSG00000184531
3	170892877	170893077	170892955	8	9	1	4.794543465	0.00708517		ENSG00000184531
3	170963577	170963761	170963657	9	9	2	3.19636231	0.0229249		ENSG00000200182
3	170972051	170972362	170972188	9	13	5	2.237453617	0.038866	MYNN	ENSG00000085274
3	170972405	170972615	170972510	8	11	13	0.821921737	0.693119	MYNN	ENSG00000085274
3	170972934	170973470	170973127	8	19	9	1.917817386	0.0394029	MYNN	ENSG00000085274
3	170973995	170974240	170974117	8	11	6	1.643843474	0.137712	MYNN	ENSG00000085274
3	170974595	170974782	170974609	8	9	5	1.598181155	0.170911	MYNN	ENSG00000085274
3	171107988	171108209	171108098	9	10	2	3.515998541	0.0136204	SAMD7	ENSG00000187033
3	171166782	171167420	171167211	11	29	11	2.397271733	0.00325702	SEC62	ENSG00000008952
3	171246990	171247400	171247280	9	17	6	2.465765211	0.014729	GPR160	ENSG00000173890
3	171360566	171360778	171360672	8	8	4	1.726035648	0.150596		ENSG00000199536
3	171381099	171381390	171381244	8	12	5	2.077635502	0.0577144	PHC3	ENSG00000173889
3	171422630	171422930	171422794	10	14	8	1.598181155	0.124586	PRKCI	ENSG00000163558
3	171508380	171508570	171508425	9	9	3	2.397271733	0.0539397	SKIL	ENSG00000136603
3	171510698	171510917	171510807	8	10	7	1.318499453	0.269217	SKIL	ENSG00000136603
3	171558967	171559222	171559098	8	10	3	2.636998906	0.034203	SKIL	ENSG00000136603
3	171620846	171621025	171620915	8	8	1	4.315089119	0.0127267	CLDN11	ENSG00000013297
3	171652367	171652563	171652492	8	8	4	1.726035648	0.150596	CLDN11	ENSG00000013297
3	171687598	171687781	171687713	8	8	6	1.232882605	0.333038	CLDN11	ENSG00000013297
3	171689341	171689601	171689499	9	11	0	11.50690432	0.000313206	CLDN11	ENSG00000013297
3	171693416	171693633	171693530	11	11	6	1.643843474	0.137712	CLDN11	ENSG00000013297
3	171697888	171698126	171698007	8	10	3	2.636998906	0.034203	CLDN11	ENSG00000013297
3	171707069	171707306	171707195	9	10	3	2.636998906	0.034203	SLC7A14	ENSG00000013293
3	171734764	171734947	171734872	8	8	1	4.315089119	0.0127267	SLC7A14	ENSG00000013293
3	171839073	171839299	171839219	9	10	5	1.757999271	0.121253		ENSG00000213174
3	171889785	171890323	171890069	23	41	4	8.054833022	5.63E-09		ENSG00000213174
3	171952090	171952541	171952291	13	23	9	2.301380863	0.00938618		ENSG00000208537
3	172010039	172010374	172010236	10	14	7	1.797953799	0.0806593		ENSG00000208537
3	172012657	172012950	172012833	10	13	2	4.474907234	0.00269459		ENSG00000208537

3	172070168	172070523	172070345	12	17	15	1.07877228	0.410615	RPL22L1	ENSG00000163584
3	172070560	172070915	172070737	11	17	15	1.07877228	0.410615	RPL22L1	ENSG00000163584
3	172178602	172179015	172178906	10	16	4	3.260289556	0.00475414		ENSG00000199488
3	172193325	172193665	172193495	17	22	3	5.513724985	6.69E-05		ENSG00000199488
3	172250259	172250444	172250351	8	10	6	1.506856518	0.188853	SLC2A2	ENSG00000163581
3	172303233	172303424	172303313	8	9	3	2.397271733	0.0539397		ENSG00000207963
3	172388180	172388367	172388231	8	9	1	4.794543465	0.00708517		ENSG00000207963
3	172421288	172421467	172421337	8	8	2	2.876726079	0.0381137		ENSG00000207963
3	172462100	172462356	172462228	10	13	3	3.356180426	0.00805599		ENSG00000207963
3	172490601	172490790	172490685	8	10	3	2.636998906	0.034203		ENSG00000222506
3	172510630	172510851	172510692	9	11	0	11.50690432	0.000313206		ENSG00000222506
3	172618480	172618752	172618582	9	11	2	3.835634772	0.00800699		ENSG00000222506
3	172628126	172628325	172628225	8	9	2	3.19636231	0.0229249		ENSG00000222506
3	172660823	172661254	172661027	8	18	5	3.036544195	0.0044641	TNIK	ENSG00000154310
3	172681500	172681719	172681625	8	9	1	4.794543465	0.00708517	TNIK	ENSG00000154310
3	172840935	172841355	172841143	35	45	4	8.821959976	5.35E-10		ENSG00000208522
3	172953444	172953746	172953596	8	12	7	1.558226626	0.152813		ENSG00000183657
3	172973004	172973218	172973111	8	11	12	0.885146486	0.620672		ENSG00000183657
3	172990505	172990722	172990613	8	9	1	4.794543465	0.00708517		ENSG00000183657
3	172993205	172993482	172993343	8	10	3	2.636998906	0.034203		ENSG00000183657
3	173009652	173009831	173009743	9	9	5	1.598181155	0.170911		ENSG00000183657
3	173010251	173010468	173010365	8	9	5	1.598181155	0.170911		ENSG00000183657
3	173030502	173030929	173030681	11	20	4	4.027416511	0.000652226	TMEM212	ENSG00000186329
3	173137911	173138098	173137949	8	9	1	4.794543465	0.00708517	TMEM212	ENSG00000186329
3	173151027	173151315	173151171	10	14	7	1.797953799	0.0806593	FNDC3B	ENSG00000075420
3	173235570	173235854	173235700	21	21	6	3.013713035	0.00261913	FNDC3B	ENSG00000075420
3	173239887	173240099	173239992	9	11	7	1.43836304	0.204844	FNDC3B	ENSG00000075420
3	173304232	173304411	173304331	8	8	1	4.315089119	0.0127267	FNDC3B	ENSG00000075420
3	173330426	173331089	173330567	21	40	12	3.024250493	7.54E-05	FNDC3B	ENSG00000075420
3	173339462	173339751	173339606	8	12	3	3.116453252	0.0131971		ENSG00000222342
3	173341112	173341761	173341349	13	32	12	2.434152836	0.00192998		ENSG00000222342
3	173343039	173343259	173343187	10	12	5	2.077635502	0.0577144		ENSG00000222342
3	173356902	173357177	173357039	12	15	7	1.917817386	0.0572317		ENSG00000222342
3	173469592	173469776	173469711	8	9	3	2.397271733	0.0539397		ENSG00000208521

3	173542072	173542267	173542137	8	10	2	3.515998541	0.0136204		ENSG00000208521
3	173588149	173588328	173588242	9	9	0	9.589086931	0.00120187	GHSR	ENSG00000121853
3	173677671	173678141	173677850	12	22	4	4.410979988	0.000231863	GHSR	ENSG00000121853
3	173717309	173717610	173717467	10	12	14	0.831054201	0.689281	TNFSF10	ENSG00000121858
3	173737132	173737937	173737713	23	50	9	4.890434335	3.71E-08	TNFSF10	ENSG00000121858
3	173824313	173824667	173824490	9	14	8	1.598181155	0.124586		ENSG00000208518
3	173840236	173840434	173840335	8	10	1	5.273997812	0.00391723		ENSG00000208518
3	173847306	173847519	173847420	8	10	3	2.636998906	0.034203		ENSG00000208518
3	173873702	173873892	173873767	10	11	4	2.301380863	0.0459276		ENSG00000208518
3	173885814	173886418	173886071	33	67	6	9.315113018	3.89E-14		ENSG00000208518
3	173911588	173911828	173911708	9	12	7	1.558226626	0.152813	AADACL1	ENSG00000144959
3	174199110	174199289	174199201	8	8	1	4.315089119	0.0127267	SPATA16	ENSG00000144962
3	174421567	174421746	174421591	8	8	3	2.157544559	0.0836802	SPATA16	ENSG00000144962
3	174562114	174562293	174562220	8	8	0	8.630178238	0.00235436	SPATA16	ENSG00000144962
3	174595945	174596337	174596124	9	16	4	3.260289556	0.00475414	NLGN1	ENSG00000169760
3	174612209	174612485	174612347	11	12	3	3.116453252	0.0131971	NLGN1	ENSG00000169760
3	174943626	174943930	174943783	9	13	3	3.356180426	0.00805599	NLGN1	ENSG00000169760
3	175057630	175057837	175057761	8	9	2	3.19636231	0.0229249	NLGN1	ENSG00000169760
3	175138677	175138945	175138830	8	11	2	3.835634772	0.00800699	NLGN1	ENSG00000169760
3	175325802	175326100	175325951	10	12	6	1.78083043	0.0985525	NLGN1	ENSG00000169760
3	175329320	175329720	175329477	25	32	0	31.64398687	2.31E-10	NLGN1	ENSG00000169760
3	176059650	176059833	176059715	8	9	1	4.794543465	0.00708517	NAALADL2	ENSG00000177694
3	176062649	176062937	176062793	15	19	4	3.835634772	0.00108365	NAALADL2	ENSG00000177694
3	176064034	176064342	176064188	13	17	6	2.465765211	0.014729	NAALADL2	ENSG00000177694
3	176156063	176156315	176156189	10	13	5	2.237453617	0.038866	NAALADL2	ENSG00000177694
3	176174045	176174309	176174196	10	10	2	3.515998541	0.0136204	NAALADL2	ENSG00000177694
3	176226518	176226755	176226663	8	10	0	10.54799562	0.000613541	NAALADL2	ENSG00000177694
3	176350353	176350565	176350428	8	8	4	1.726035648	0.150596	NAALADL2	ENSG00000177694
3	176351317	176351964	176351655	10	29	10	2.615205527	0.00170492	NAALADL2	ENSG00000177694
3	176425279	176425601	176425440	14	20	0	20.13708255	7.37E-07	NAALADL2	ENSG00000177694
3	176525328	176525515	176525384	9	10	6	1.506856518	0.188853		ENSG00000199792
3	176539267	176539576	176539421	21	24	10	2.179337939	0.011585		ENSG00000199792
3	176539655	176539965	176539818	9	11	9	1.150690432	0.367789		ENSG00000199792
3	176547114	176547351	176547232	8	8	3	2.157544559	0.0836802		ENSG00000199792

3	176547454	176547642	176547548	9	9	4	1.917817386	0.103282		ENSG00000199792
3	176716862	176717041	176716951	8	8	3	2.157544559	0.0836802		ENSG00000201648
3	176771622	176772153	176771801	22	38	6	5.34249129	5.40E-07		ENSG00000201648
3	176773162	176773422	176773308	9	12	5	2.077635502	0.0577144		ENSG00000201648
3	176806431	176806621	176806491	8	9	6	1.369869562	0.253675		ENSG00000201648
3	176839355	176839632	176839500	9	10	1	5.273997812	0.00391723		ENSG00000201648
3	176882934	176883355	176883228	12	21	2	7.031997082	2.73E-05	UBE2V1P2	ENSG00000214192
3	176885960	176886263	176886127	10	15	4	3.068507818	0.0076507	UBE2V1P2	ENSG00000214192
3	177157512	177158012	177157687	11	22	4	4.410979988	0.000231863		ENSG00000201452
3	177367786	177368079	177367935	20	22	13	1.575349996	0.0840573		ENSG00000201452
3	177773706	177773965	177773835	8	9	2	3.19636231	0.0229249		ENSG00000208490
3	177988072	177988476	177988291	26	34	0	33.56180426	6.02E-11		ENSG00000208490
3	178056406	178056637	178056521	8	9	3	2.397271733	0.0539397		ENSG00000208490
3	178117407	178117674	178117531	9	11	2	3.835634772	0.00800699		ENSG00000208490
3	178345425	178345631	178345528	8	8	1	4.315089119	0.0127267		ENSG00000200882
3	178560068	178560310	178560226	8	11	4	2.301380863	0.0459276		ENSG00000208471
3	178560419	178560837	178560590	13	18	3	4.554816292	0.000599415		ENSG00000208471
3	178643905	178644151	178644041	9	9	4	1.917817386	0.103282		ENSG00000208471
3	178648523	178648772	178648627	11	12	3	3.116453252	0.0131971		ENSG00000208471
3	178791549	178791757	178791618	8	8	2	2.876726079	0.0381137		ENSG00000203635
3	178791812	178792181	178792002	9	16	2	5.433815927	0.000499302		ENSG00000203635
3	178797473	178797757	178797610	12	14	10	1.307602763	0.244096		ENSG00000203635
3	179010672	179010884	179010778	8	9	5	1.598181155	0.170911		ENSG00000200288
3	179116929	179117201	179117102	17	19	1	9.589086931	1.56E-05		ENSG00000199858
3	179509254	179509493	179509368	8	10	0	10.54799562	0.000613541		ENSG00000208463
3	179585925	179586120	179586022	8	9	4	1.917817386	0.103282		ENSG00000208463
3	179635057	179635260	179635158	9	10	0	10.54799562	0.000613541		ENSG00000208463
3	180270473	180270924	180270673	134	167	5	26.84944341	3.09E-42	ZMAT3	ENSG00000172667
3	180271336	180271833	180271515	9	20	7	2.517135319	0.00849957	ZMAT3	ENSG00000172667
3	180347604	180348029	180347816	8	17	11	1.43836304	0.15834	PIK3CA	ENSG00000121879
3	180516547	180516871	180516704	10	14	0	14.3836304	4.17E-05	ZNF639	ENSG00000121864
3	180524207	180524451	180524300	9	10	2	3.515998541	0.0136204	ZNF639	ENSG00000121864
3	180548100	180548303	180548257	10	13	6	1.917817386	0.0693353	MFN1	ENSG00000171109
3	180652256	180652475	180652365	8	11	1	5.753452158	0.00215302	GNB4	ENSG00000114450

3	180764110	180764390	180764255	8	10	4	2.109599125	0.0694668	ACTL6A	ENSG00000136518
3	180853825	180854124	180853974	9	13	2	4.474907234	0.00269459	USP13	ENSG00000058056
3	181129572	181129843	181129688	13	15	3	3.835634772	0.00291691	PEX5L	ENSG00000114757
3	181169974	181170564	181170240	122	155	0	149.5897561	2.79E-46	PEX5L	ENSG00000114757
3	181435930	181436228	181436073	11	14	1	7.191815198	0.00034761		ENSG00000213158
3	181803135	181803333	181803202	9	9	1	4.794543465	0.00708517	TTC14	ENSG00000163728
3	182112954	182113133	182113051	8	8	2	2.876726079	0.0381137	FXR1	ENSG00000114416
3	183087245	183087452	183087378	8	9	3	2.397271733	0.0539397		ENSG00000213155
3	183113821	183114117	183113967	13	15	0	15.34253909	2.13E-05		ENSG00000213155
3	183174677	183175047	183174902	35	41	3	10.06854128	9.74E-10		ENSG00000213155
3	183412929	183413339	183413108	18	26	4	5.178106943	2.75E-05		ENSG00000213155
3	183939667	183939912	183939808	10	12	6	1.78083043	0.0985525	ATP11B	ENSG00000058063
3	183993606	183993826	183993691	8	9	4	1.917817386	0.103282	ATP11B	ENSG00000058063
3	184020011	184020271	184020141	8	11	1	5.753452158	0.00215302	ATP11B	ENSG00000058063
3	184300070	184300388	184300229	8	11	8	1.278544924	0.28289	MCCC1	ENSG00000078070
3	184394364	184394625	184394494	10	12	5	2.077635502	0.0577144		ENSG00000208403
3	184492216	184492548	184492382	18	22	9	2.205489994	0.0136443		ENSG00000202502
3	184495729	184496171	184495935	19	32	9	3.164398687	0.000225664		ENSG00000202502
3	184902195	184902569	184902408	10	15	2	5.114179696	0.00088103	YEATS2	ENSG00000163872
3	185013454	185014019	185013633	19	33	6	4.657556509	7.52E-06		ENSG00000212778
3	185045154	185045372	185045247	9	9	0	9.589086931	0.00120187	MAP6D1	ENSG00000180834
3	185079205	185079396	185079286	8	8	3	2.157544559	0.0836802	PARL	ENSG00000175193
3	185085332	185085708	185085511	12	20	7	2.517135319	0.00849957	PARL	ENSG00000175193
3	185112617	185112811	185112714	10	10	1	5.273997812	0.00391723	PARL	ENSG00000175193
3	185138529	185138780	185138622	8	8	1	4.315089119	0.0127267	PARL	ENSG00000175193
3	185206571	185206947	185206750	11	19	8	2.130908207	0.0233014	ABCC5	ENSG00000114770
3	185216548	185216849	185216698	9	12	3	3.116453252	0.0131971	ABCC5	ENSG00000114770
3	185246510	185246689	185246539	11	12	3	3.116453252	0.0131971	HTR3C	ENSG00000178084
3	185334445	185334942	185334621	10	17	5	2.876726079	0.00703033	EIF2B5	ENSG00000145191
3	185335704	185335935	185335814	10	11	5	1.917817386	0.0843804	EIF2B5	ENSG00000145191
3	185450787	185451084	185450962	22	25	5	4.155271003	0.000149583	ECE2	ENSG00000145194
3	185485183	185485478	185485330	11	15	7	1.917817386	0.0572317	ECE2	ENSG00000145194
3	185489871	185490171	185489995	10	14	3	3.595907599	0.00486913	PSMD2	ENSG00000175166
3	185524186	185524384	185524285	8	9	2	3.19636231	0.0229249		ENSG00000212158

3	185529031	185529217	185529124	9	9	1	4.794543465	0.00708517		ENSG00000212158
3	185563555	185564094	185563893	10	22	5	3.675816657	0.000667901	POLR2H	ENSG00000163882
3	185571759	185572001	185571880	9	11	5	1.917817386	0.0843804	THPO	ENSG00000090534
3	185649296	185649624	185649460	12	16	5	2.716907964	0.0109645	CHRD	ENSG00000090539
3	185669849	185670128	185669973	9	11	3	2.876726079	0.0213797	CHRD	ENSG00000090539
3	185671853	185672386	185672231	18	32	2	10.54799562	3.50E-08	CHRD	ENSG00000090539
3	185741589	185741914	185741751	11	17	1	8.630178238	5.44E-05	EPHB3	ENSG00000182580
3	185766245	185766569	185766401	15	17	9	1.726035648	0.0753664	EPHB3	ENSG00000182580
3	185967043	185967515	185967284	75	94	3	22.77408146	3.34E-24	VPS8	ENSG00000156931
3	185978223	185978638	185978459	10	17	3	4.315089119	0.00102271	VPS8	ENSG00000156931
3	185982816	185983178	185982975	22	27	0	26.84944341	6.66E-09	VPS8	ENSG00000156931
3	186003861	186004072	186003966	12	13	2	4.474907234	0.00269459	VPS8	ENSG00000156931
3	186536377	186536640	186536483	8	10	5	1.757999271	0.121253	MAP3K13	ENSG00000073803
3	186661448	186661645	186661546	10	11	1	5.753452158	0.00215302		ENSG00000208382
3	186683761	186683967	186683864	8	8	1	4.315089119	0.0127267	TMEM41A	ENSG00000163900
3	186699278	186699652	186699511	12	18	14	1.214617678	0.282961	TMEM41A	ENSG00000163900
3	186877724	186877984	186877848	12	13	3	3.356180426	0.00805599	C3orf65	ENSG00000163915
3	186918004	186918701	186918505	40	68	4	13.23293996	4.71E-16	C3orf65	ENSG00000163915
3	186934478	186934718	186934572	14	15	4	3.068507818	0.0076507	C3orf65	ENSG00000163915
3	186997142	186997371	186997214	12	12	5	2.077635502	0.0577144	IGF2BP2	ENSG00000073792
3	187137884	187138166	187138004	11	11	1	5.753452158	0.00215302	SFRS10	ENSG00000136527
3	187276015	187276398	187276219	13	19	2	6.39272462	8.83E-05		ENSG00000208376
3	187276419	187276900	187276644	35	47	1	23.01380863	2.36E-13		ENSG00000208376
3	187456466	187456678	187456509	8	9	1	4.794543465	0.00708517	DGKG	ENSG00000058866
3	187676660	187677132	187676908	32	45	3	11.02744997	8.54E-11	CRYGS	ENSG00000213139
3	187770714	187771000	187770833	8	12	8	1.385090334	0.219216	DNAJB11	ENSG00000090520
3	187815437	187815833	187815595	11	18	7	2.277408146	0.0188653	AHSG	ENSG00000145192
3	187817566	187817855	187817711	11	14	8	1.598181155	0.124586	AHSG	ENSG00000145192
3	187841041	187841305	187841145	18	20	1	10.06854128	8.32E-06	FETUB	ENSG00000090512
3	187845326	187845506	187845472	8	8	3	2.157544559	0.0836802	FETUB	ENSG00000090512
3	187983695	187984037	187983866	10	16	7	2.037680973	0.0400399	EIF4A2	ENSG00000156976
3	188006836	188007111	188006987	8	13	4	2.684944341	0.01921	RFC4	ENSG00000163918
3	188123346	188123528	188123483	9	9	3	2.397271733	0.0539397	ST6GAL1	ENSG00000073849
3	188180398	188180794	188180594	10	18	4	3.643853034	0.00178791		ENSG00000203632

3	188313783	188314120	188313951	16	20	1	10.06854128	8.32E-06	RPL39L	ENSG00000163923
3	188383411	188384098	188383867	161	200	4	38.54812946	8.46E-53	RTP1	ENSG00000175077
3	188520265	188520486	188520375	9	11	3	2.876726079	0.0213797	MASP1	ENSG00000127241
3	188604023	188604274	188604148	8	11	6	1.643843474	0.137712		ENSG00000208368
3	188879996	188880421	188880164	8	15	9	1.534253909	0.136498	SST	ENSG00000157005
3	188914971	188915154	188915058	8	9	3	2.397271733	0.0539397	RTP2	ENSG00000198471
3	188950378	188950923	188950726	15	32	6	4.520569553	1.26E-05	BCL6	ENSG00000113916
3	189009506	189009972	189009793	12	21	8	2.343999027	0.0109478	BCL6	ENSG00000113916
3	189261575	189261935	189261773	16	21	12	1.622768557	0.076896		ENSG00000213132
3	189376906	189377160	189377026	8	10	5	1.757999271	0.121253		ENSG00000213132
3	189674763	189675002	189674882	11	12	7	1.558226626	0.152813		ENSG00000207651
3	189784037	189784242	189784139	8	8	2	2.876726079	0.0381137		ENSG00000207651
3	189949474	189949802	189949638	11	17	1	8.630178238	5.44E-05		ENSG00000207651
3	190039691	190040043	190039867	9	14	8	1.598181155	0.124586		ENSG00000207651
3	190148493	190148736	190148647	10	11	3	2.876726079	0.0213797	TPRG1	ENSG00000188001
3	190176462	190176940	190176627	13	22	4	4.410979988	0.000231863	TPRG1	ENSG00000188001
3	190176943	190177303	190177130	28	34	1	16.78090213	1.09E-09	TPRG1	ENSG00000188001
3	190242069	190242276	190242134	9	10	4	2.109599125	0.0694668	TPRG1	ENSG00000188001
3	190282555	190282741	190282651	8	8	3	2.157544559	0.0836802	TPRG1	ENSG00000188001
3	190296570	190297016	190296711	9	17	5	2.876726079	0.00703033	TPRG1	ENSG00000188001
3	190299485	190299830	190299657	11	15	6	2.191791298	0.0328001	TPRG1	ENSG00000188001
3	190348576	190348886	190348746	9	11	7	1.43836304	0.204844	TPRG1	ENSG00000188001
3	190473368	190473570	190473453	8	9	4	1.917817386	0.103282	TPRG1	ENSG00000188001
3	190504841	190505309	190505107	14	24	15	1.498294833	0.0979832	TPRG1	ENSG00000188001
3	190505335	190505602	190505470	10	13	5	2.237453617	0.038866	TPRG1	ENSG00000188001
3	190516843	190517191	190516951	11	15	11	1.278544924	0.254978	TPRG1	ENSG00000188001
3	190521040	190521262	190521151	8	9	1	4.794543465	0.00708517	TPRG1	ENSG00000188001
3	190606643	190606869	190606756	8	9	1	4.794543465	0.00708517		ENSG00000208357
3	190659064	190659352	190659200	10	12	10	1.133255728	0.37674		ENSG00000208357
3	190957195	190957377	190957331	8	9	7	1.198635866	0.346278	TP63	ENSG00000073282
3	190966977	190967194	190967058	11	11	5	1.917817386	0.0843804	TP63	ENSG00000073282
3	191033940	191034120	191034034	9	9	3	2.397271733	0.0539397		ENSG00000216058
3	191144543	191144856	191144682	10	12	2	4.155271003	0.0046638		ENSG00000216058
3	191212857	191213076	191212945	8	9	2	3.19636231	0.0229249	LEPREL1	ENSG00000090530

3	191238294	191238992	191238694	48	68	4	13.23293996	4.71E-16	LEPREL1	ENSG00000090530
3	191317051	191317592	191317362	59	80	8	8.630178238	5.75E-16	LEPREL1	ENSG00000090530
3	191430490	191430982	191430740	17	32	9	3.164398687	0.000225664		ENSG00000212489
3	191526453	191527079	191526704	33	57	3	13.90417605	5.15E-14	CLDN1	ENSG00000163347
3	191560500	191560698	191560614	9	9	0	9.589086931	0.00120187	CLDN16	ENSG00000113946
3	191570201	191570432	191570354	8	9	0	9.589086931	0.00120187	CLDN16	ENSG00000113946
3	191735484	191735701	191735641	8	10	3	2.636998906	0.034203	IL1RAP	ENSG00000196083
3	191735866	191736045	191735954	8	8	1	4.315089119	0.0127267	IL1RAP	ENSG00000196083
3	191791683	191792051	191791827	8	12	3	3.116453252	0.0131971		ENSG00000223117
3	192021927	192022120	192022019	8	8	0	8.630178238	0.00235436		ENSG00000208348
3	192358101	192358531	192358264	23	31	1	15.34253909	7.54E-09	OSTN	ENSG00000188729
3	192520876	192521204	192521086	9	13	0	13.4247217	8.16E-05	CCDC50	ENSG00000152492
3	192700259	192700727	192700604	8	15	6	2.191791298	0.0328001	PYDC2	ENSG00000221856
3	192976474	192976735	192976597	9	10	2	3.515998541	0.0136204		ENSG00000200270
3	193004527	193004752	193004639	8	9	2	3.19636231	0.0229249		ENSG00000200270
3	193331155	193331413	193331246	10	12	6	1.78083043	0.0985525		ENSG00000222583
3	193388803	193389058	193388947	8	10	10	0.958908693	0.538751		ENSG00000222583
3	193474060	193474383	193474221	9	14	4	2.876726079	0.01219	FGF12	ENSG00000114279
3	193667843	193668263	193668021	8	17	8	1.917817386	0.0474153	FGF12	ENSG00000114279
3	193767242	193767620	193767383	14	20	6	2.876726079	0.00408924		ENSG00000208337
3	193771722	193772010	193771866	12	14	10	1.307602763	0.244096		ENSG00000208337
3	193798023	193798397	193798188	21	26	17	1.43836304	0.111326		ENSG00000208337
3	193798695	193798890	193798748	8	11	3	2.876726079	0.0213797		ENSG00000208337
3	193994918	193995099	193995008	8	8	1	4.315089119	0.0127267		ENSG00000200184
3	194013252	194013496	194013370	9	11	5	1.917817386	0.0843804		ENSG00000200184
3	194017040	194017307	194017161	8	10	4	2.109599125	0.0694668		ENSG00000200184
3	194019375	194019676	194019525	13	15	4	3.068507818	0.0076507		ENSG00000200184
3	194026446	194026718	194026582	11	13	5	2.237453617	0.038866	C3orf59	ENSG00000180611
3	194032562	194032784	194032657	8	10	2	3.515998541	0.0136204	C3orf59	ENSG00000180611
3	194052289	194052851	194052565	25	41	16	2.369068536	0.000750719	C3orf59	ENSG00000180611
3	194080277	194080532	194080371	10	12	6	1.78083043	0.0985525	C3orf59	ENSG00000180611
3	194102991	194103181	194103086	8	9	1	4.794543465	0.00708517	C3orf59	ENSG00000180611
3	194107531	194107894	194107689	11	16	7	2.037680973	0.0400399	C3orf59	ENSG00000180611
3	194108250	194108659	194108480	19	27	6	3.835634772	0.000155182	C3orf59	ENSG00000180611

3	194224183	194224365	194224310	8	8	2	2.876726079	0.0381137	C3orf59	ENSG00000180611
3	194391042	194391255	194391148	10	11	8	1.278544924	0.28289		ENSG00000220985
3	194431764	194432106	194431935	14	19	6	2.739739123	0.00632909	HRASLS	ENSG00000127252
3	194447660	194447995	194447827	12	17	1	8.630178238	5.44E-05	HRASLS	ENSG00000127252
3	194489539	194490127	194489948	12	27	6	3.835634772	0.000155182	ATP13A5	ENSG00000187527
3	194582425	194582612	194582518	9	9	4	1.917817386	0.103282	ATP13A5	ENSG00000187527
3	194612236	194612494	194612358	8	12	5	2.077635502	0.0577144	ATP13A5	ENSG00000187527
3	194652866	194653115	194652974	8	9	8	1.065454103	0.442605	ATP13A5	ENSG00000187527
3	194700552	194700907	194700729	12	18	8	2.024362796	0.0334397	ATP13A4	ENSG00000127249
3	194772925	194773225	194773061	11	15	7	1.917817386	0.0572317		ENSG00000221728
3	194793491	194793806	194793644	14	18	3	4.554816292	0.000599415	OPA1	ENSG00000198836
3	194820402	194820652	194820527	8	8	6	1.232882605	0.333038		ENSG00000207370
3	194821249	194821450	194821379	10	10	5	1.757999271	0.121253		ENSG00000207370
3	194944550	194944964	194944728	14	21	7	2.636998906	0.00562102		ENSG00000208326
3	194945974	194946153	194946040	8	8	0	8.630178238	0.00235436		ENSG00000208326
3	194981302	194981807	194981481	11	20	3	5.034270639	0.000202317		ENSG00000208326
3	194988433	194989046	194988718	8	20	4	4.027416511	0.000652226		ENSG00000208326
3	194991926	194992424	194992270	8	16	14	1.086763185	0.404922		ENSG00000208326
3	195006064	195006291	195006177	9	10	15	0.659249726	0.861705		ENSG00000208326
3	195028895	195029529	195029212	11	26	12	1.991579593	0.0165204		ENSG00000208326
3	195030439	195030651	195030545	8	9	5	1.598181155	0.170911		ENSG00000208326
3	195037298	195037661	195037448	8	14	9	1.43836304	0.179537		ENSG00000208326
3	195049522	195049793	195049614	12	15	4	3.068507818	0.0076507		ENSG00000208326
3	195071142	195071367	195071254	10	11	10	1.046082211	0.455063		ENSG00000208326
3	195072587	195073145	195072932	19	31	17	1.704726565	0.0311659		ENSG00000214146
3	195074861	195075111	195074986	8	10	3	2.636998906	0.034203		ENSG00000214146
3	195077776	195077996	195077922	8	10	3	2.636998906	0.034203		ENSG00000214146
3	195110569	195110982	195110844	9	15	2	5.114179696	0.00088103		ENSG00000214146
3	195112423	195112605	195112514	8	8	9	0.863017824	0.627343		ENSG00000214146
3	195122821	195123152	195122999	12	17	8	1.917817386	0.0474153		ENSG00000214146
3	195152419	195152766	195152592	12	18	3	4.554816292	0.000599415		ENSG00000214146
3	195204122	195204368	195204245	8	10	5	1.757999271	0.121253		ENSG00000214146
3	195254904	195255095	195255009	9	9	1	4.794543465	0.00708517		ENSG00000214146
3	195282764	195283002	195282889	8	9	4	1.917817386	0.103282	HES1	ENSG00000114315

3	195290143	195290326	195290284	9	9	2	3.19636231	0.0229249	HES1	ENSG00000114315
3	195333010	195333633	195333185	17	31	8	3.409453131	0.000151231	HES1	ENSG00000114315
3	195335521	195335781	195335683	12	14	5	2.397271733	0.0258078	HES1	ENSG00000114315
3	195336501	195336683	195336621	8	8	8	0.958908693	0.534974	HES1	ENSG00000114315
3	195337948	195338198	195338118	10	12	6	1.78083043	0.0985525	HES1	ENSG00000114315
3	195342175	195342461	195342318	9	13	5	2.237453617	0.038866		ENSG00000223332
3	195359055	195359679	195359500	15	32	13	2.260284776	0.00349245		ENSG00000208323
3	195362459	195362685	195362572	8	8	3	2.157544559	0.0836802		ENSG00000208323
3	195377818	195378112	195377965	19	20	9	2.013708255	0.0279742		ENSG00000208323
3	195382331	195382648	195382488	8	10	2	3.515998541	0.0136204		ENSG00000208323
3	195404885	195405536	195405357	51	83	8	8.949814469	1.00E-16		ENSG00000208323
3	195414716	195414949	195414832	8	10	5	1.757999271	0.121253		ENSG00000208323
3	195500976	195501252	195501127	12	17	2	5.753452158	0.000281509		ENSG00000214145
3	195509345	195509841	195509596	10	20	4	4.027416511	0.000652226		ENSG00000214145
3	195513402	195513740	195513571	8	13	7	1.678090213	0.111195		ENSG00000214145
3	195588568	195589036	195588809	8	19	7	2.397271733	0.0127287	GP5	ENSG00000178732
3	195684644	195684851	195684747	11	11	0	11.50690432	0.000313206	ATP13A3	ENSG00000133657
3	195696402	195696584	195696462	8	9	6	1.369869562	0.253675		ENSG00000198579
3	195716722	195716910	195716816	8	8	4	1.726035648	0.150596		ENSG00000198579
3	195763465	195763731	195763598	9	11	0	11.50690432	0.000313206		ENSG00000208322
3	195874219	195874725	195874491	14	31	14	2.045671879	0.00841532	LSG1	ENSG00000041802
3	195884557	195884953	195884736	16	24	5	3.995452888	0.00024777	FAM43A	ENSG00000185112
3	195887661	195888030	195887866	14	20	4	4.027416511	0.000652226	FAM43A	ENSG00000185112
3	195963661	195963853	195963757	8	8	9	0.863017824	0.627343	FAM43A	ENSG00000185112
3	195971364	195971663	195971494	18	21	10	1.917817386	0.0328292	FAM43A	ENSG00000185112
3	196055339	196055629	196055503	8	8	3	2.157544559	0.0836802	FAM43A	ENSG00000185112
3	196073809	196073999	196073854	8	8	7	1.07877228	0.435076	FAM43A	ENSG00000185112
3	196074691	196074995	196074860	10	13	11	1.118726809	0.38479	FAM43A	ENSG00000185112
3	196136882	196137090	196136986	8	10	3	2.636998906	0.034203	C3orf21	ENSG00000173950
3	196187210	196187447	196187330	13	13	3	3.356180426	0.00805599	C3orf21	ENSG00000173950
3	196232663	196233304	196233074	15	33	10	2.963899597	0.000322893	C3orf21	ENSG00000173950
3	196307326	196307833	196307515	25	39	16	2.256255748	0.00154127	C3orf21	ENSG00000173950
3	196315801	196316029	196315916	10	10	6	1.506856518	0.188853	C3orf21	ENSG00000173950
3	196322477	196322657	196322567	8	8	4	1.726035648	0.150596	C3orf21	ENSG00000173950

3	196389419	196390403	196389818	121	211	5	33.88144049	1.37E-54	C3orf21	ENSG00000173950
3	196440147	196440357	196440252	9	10	3	2.636998906	0.034203		ENSG00000206600
3	196473712	196473993	196473852	13	14	3	3.595907599	0.00486913	C3orf21	ENSG00000173950
3	196525628	196525891	196525759	10	11	0	11.50690432	0.000313206		ENSG00000203631
3	196645342	196645596	196645469	8	12	3	3.116453252	0.0131971	ACAP2	ENSG00000114331
3	196747648	196747938	196747799	14	18	3	4.554816292	0.000599415	PPP1R2P3	ENSG00000184203
3	196751590	196751963	196751711	10	16	11	1.358453982	0.20248	PPP1R2P3	ENSG00000184203
3	196766769	196767039	196766904	9	10	4	2.109599125	0.0694668	PPP1R2P3	ENSG00000184203
3	196792061	196792757	196792469	16	35	3	8.630178238	3.59E-08	APOD	ENSG00000189058
3	196905907	196906205	196906056	9	12	4	2.493162602	0.0299057		ENSG00000207650
3	196911249	196911435	196911346	8	8	4	1.726035648	0.150596		ENSG00000207650
3	196978293	196978521	196978407	8	8	1	4.315089119	0.0127267	MUC4	ENSG00000145113
3	197062109	197062537	197062390	20	30	13	2.12329782	0.0070778	MUC4	ENSG00000145113
3	197126258	197126625	197126446	13	20	3	5.034270639	0.000202317	TNK2	ENSG00000061938
3	197284558	197284964	197284715	9	15	12	1.180195315	0.324974	TFRC	ENSG00000072274
3	197292005	197292234	197292073	11	12	3	3.116453252	0.0131971	TFRC	ENSG00000072274
3	197292478	197292697	197292582	10	11	6	1.643843474	0.137712	TFRC	ENSG00000072274
3	197302882	197303069	197303021	9	9	2	3.19636231	0.0229249	TFRC	ENSG00000072274
3	197324665	197325206	197324843	22	33	2	10.86763185	1.89E-08	TFRC	ENSG00000072274
3	197347282	197348129	197347866	46	96	14	6.200942882	5.28E-16	TFRC	ENSG00000072274
3	197464871	197465142	197465006	11	13	4	2.684944341	0.01921	PCYT1A	ENSG00000161217
3	197489214	197489608	197489362	19	24	1	11.98635866	6.63E-07	PCYT1A	ENSG00000161217
3	197490685	197490901	197490762	12	14	6	2.054804342	0.0480281	PCYT1A	ENSG00000161217
3	197498726	197499069	197498897	9	15	4	3.068507818	0.0076507	PCYT1A	ENSG00000161217
3	197531323	197531890	197531563	32	51	6	7.12332172	4.11E-10	TCTEX1D2	ENSG00000213123
3	197620243	197620525	197620386	10	13	1	6.712360851	0.000640982		ENSG00000208294
3	197642568	197642828	197642675	8	11	3	2.876726079	0.0213797	UBXN7	ENSG00000163960
3	197704404	197704621	197704512	8	8	2	2.876726079	0.0381137	RNF168	ENSG00000163961
3	197714086	197714413	197714249	9	15	2	5.114179696	0.00088103	RNF168	ENSG00000163961
3	197714786	197715103	197714944	14	19	3	4.794543465	0.000349205	RNF168	ENSG00000163961
3	197780607	197780923	197780774	10	15	2	5.114179696	0.00088103	FBXO45	ENSG00000174013
3	197843552	197843754	197843685	8	9	6	1.369869562	0.253675	LRRC33	ENSG00000174004
3	197862068	197862548	197862324	17	29	9	2.876726079	0.000832979	LRRC33	ENSG00000174004
3	197871819	197872015	197871918	8	8	9	0.863017824	0.627343	LRRC33	ENSG00000174004

3	197873227	197873519	197873375	10	12	0	12.46581301	0.000159888	LRRC33	ENSG00000174004
3	197896206	197896432	197896298	9	11	14	0.767126954	0.756447		ENSG00000201441
3	197918861	197919440	197919159	11	24	5	3.995452888	0.00024777		ENSG00000201441
3	197951723	197952160	197951902	10	19	3	4.794543465	0.000349205	PAK2	ENSG00000180370
3	197965779	197966281	197966128	8	18	7	2.277408146	0.0188653		ENSG00000202181
3	197969421	197969600	197969510	8	8	1	4.315089119	0.0127267		ENSG00000202181
3	197999012	197999377	197999198	11	18	15	1.138704073	0.348127		ENSG00000206892
3	198004476	198004900	198004647	42	48	15	2.936657872	2.49E-05		ENSG00000206892
3	198018991	198019283	198019165	22	23	4	4.602761727	0.000137072		ENSG00000206892
3	198055136	198055347	198055240	8	8	0	8.630178238	0.00235436	SENP5	ENSG00000119231
3	198152674	198152853	198152780	8	8	7	1.07877228	0.435076	NCBP2	ENSG00000114503
3	198153321	198153903	198153500	11	24	9	2.397271733	0.00639731	NCBP2	ENSG00000114503
3	198213012	198213268	198213140	9	12	4	2.493162602	0.0299057	MFI2	ENSG00000163975
3	198215149	198215447	198215298	8	11	3	2.876726079	0.0213797	MFI2	ENSG00000163975
3	198242180	198242469	198242330	9	11	5	1.917817386	0.0843804	MFI2	ENSG00000163975
3	198242749	198243102	198242925	12	18	10	1.656296833	0.0841786	MFI2	ENSG00000163975
3	198328400	198328721	198328573	8	11	11	0.958908693	0.540507	MFI2	ENSG00000163975
3	198373396	198373641	198373515	10	11	0	11.50690432	0.000313206	MFI2	ENSG00000163975
3	198454494	198454711	198454602	8	10	3	2.636998906	0.034203	DLG1	ENSG00000075711
3	198528506	198528900	198528721	10	18	4	3.643853034	0.00178791	DLG1	ENSG00000075711
3	198540579	198540785	198540682	8	10	4	2.109599125	0.0694668	DLG1	ENSG00000075711
3	198646416	198646622	198646495	10	10	3	2.636998906	0.034203	BDH1	ENSG00000161267
3	198694638	198695071	198694770	17	24	9	2.397271733	0.00639731	BDH1	ENSG00000161267
3	198699280	198699529	198699376	8	9	5	1.598181155	0.170911	BDH1	ENSG00000161267
3	198739209	198739482	198739345	8	10	4	2.109599125	0.0694668	BDH1	ENSG00000161267
3	198751140	198751454	198751280	11	12	5	2.077635502	0.0577144	BDH1	ENSG00000161267
3	198752424	198752686	198752555	14	15	14	1.022835939	0.473606	BDH1	ENSG00000161267
3	198765852	198766179	198766015	8	13	6	1.917817386	0.0693353	BDH1	ENSG00000161267
3	198786656	198787000	198786832	10	13	7	1.678090213	0.11195	BDH1	ENSG00000161267
3	198870482	198870939	198870650	12	22	13	1.575349996	0.0840573		ENSG00000216042
3	198887872	198888094	198887983	9	9	4	1.917817386	0.103282		ENSG00000216042
3	198892337	198892530	198892465	8	8	1	4.315089119	0.0127267		ENSG00000216042
3	198925925	198926129	198926027	8	9	5	1.598181155	0.170911	KIAA0226	ENSG00000145016
3	198936268	198936447	198936292	8	8	0	8.630178238	0.00235436	KIAA0226	ENSG00000145016

3	198960797	198961048	198960922	9	11	4	2.301380863	0.0459276	FYTTD1	ENSG00000122068
3	198962012	198962261	198962136	8	11	5	1.917817386	0.0843804	FYTTD1	ENSG00000122068
3	199002192	199002503	199002365	10	13	7	1.678090213	0.11195	LRCH3	ENSG00000186001
3	199033388	199033618	199033466	11	12	2	4.155271003	0.0046638	LRCH3	ENSG00000186001
3	199117386	199117632	199117509	8	11	12	0.885146486	0.620672		ENSG00000199306
3	199154294	199154567	199154431	13	16	5	2.716907964	0.0109645	RPL35A	ENSG00000182899
3	199161014	199161687	199161350	11	28	15	1.738022006	0.0334925	RPL35A	ENSG00000182899
3	199161738	199162001	199161846	9	10	2	3.515998541	0.0136204	RPL35A	ENSG00000182899
3	199162063	199162357	199162197	8	11	11	0.958908693	0.540507	RPL35A	ENSG00000182899
3	199275903	199276101	199276002	9	9	5	1.598181155	0.170911		ENSG00000212297
3	199301095	199301299	199301197	8	8	5	1.43836304	0.235762		ENSG00000213114
4	2185	2390	2287	10	12	1	6.232906505	0.00117736	ZNF595	ENSG00000197701
4	6223	6937	6503	351	386	4	74.21953284	5.45E-106	ZNF595	ENSG00000197701
4	19222	19471	19321	8	12	5	2.077635502	0.0577144	ZNF595	ENSG00000197701
4	40737	41038	40879	8	12	4	2.493162602	0.0299057	ZNF595	ENSG00000197701
4	42868	43412	43074	17	35	22	1.500900563	0.0603321	ZNF595	ENSG00000197701
4	49895	50210	50035	10	13	5	2.237453617	0.038866		ENSG00000207643
4	197794	198168	198000	10	15	1	7.671269544	0.000187863	ZNF732	ENSG00000198155
4	226066	226274	226190	9	9	3	2.397271733	0.0539397		ENSG00000186777
4	1526770	1527006	1526888	9	12	5	2.077635502	0.0577144		ENSG00000207009
4	1742303	1742686	1742522	18	25	1	12.46581301	3.51E-07	FGFR3	ENSG00000068078
4	1870839	1871038	1870873	8	8	1	4.315089119	0.0127267	WHSC1	ENSG00000109685
4	1970153	1970332	1970196	8	8	1	4.315089119	0.0127267	WHSC2	ENSG00000185049
4	2194544	2194726	2194645	9	9	2	3.19636231	0.0229249	POLN	ENSG00000130997
4	2407855	2408116	2407968	9	12	4	2.493162602	0.0299057		ENSG00000206113
4	3078153	3078450	3078318	9	11	0	11.50690432	0.000313206	HTT	ENSG00000197386
4	3358082	3358399	3358240	11	14	1	7.191815198	0.00034761	RGS12	ENSG00000159788
4	3359818	3360038	3359916	8	10	1	5.273997812	0.00391723	RGS12	ENSG00000159788
4	3408351	3408934	3408637	106	147	5	23.6530811	1.15E-36	HGFAC	ENSG00000109758
4	3433065	3433278	3433171	10	11	3	2.876726079	0.0213797	DOK7	ENSG00000175920
4	3503148	3503458	3503300	22	23	3	5.753452158	3.82E-05	LRPAP1	ENSG00000163956
4	3756005	3756469	3756203	23	32	1	15.82199344	3.96E-09	ADRA2C	ENSG00000184160
4	3992709	3992984	3992846	24	26	0	25.89053471	1.31E-08		ENSG00000151539
4	4300970	4301174	4301080	8	10	2	3.515998541	0.0136204	TMEM128	ENSG00000132406

4	4541130	4541334	4541232	9	9	2	3.19636231	0.0229249	STX18	ENSG00000168818
4	4594593	4594840	4594715	9	9	5	1.598181155	0.170911	STX18	ENSG00000168818
4	5038545	5038869	5038705	17	18	1	9.109632584	2.91E-05	CYTL1	ENSG00000170891
4	5097130	5097341	5097231	9	10	1	5.273997812	0.00391723	STK32B	ENSG00000152953
4	5825868	5826247	5826040	38	44	0	43.15089119	7.23E-14	EVC	ENSG00000072840
4	5916349	5916539	5916416	8	8	1	4.315089119	0.0127267	CRMP1	ENSG00000072832
4	5965185	5965704	5965456	31	51	7	6.232906505	1.73E-09	CRMP1	ENSG00000072832
4	6051029	6051318	6051191	8	12	2	4.155271003	0.0046638		ENSG00000181215
4	6317272	6317633	6317428	19	25	0	24.93162602	2.56E-08	WFS1	ENSG00000109501
4	6740731	6741010	6740848	9	11	4	2.301380863	0.0459276	S100P	ENSG00000163993
4	6741609	6741825	6741693	9	10	2	3.515998541	0.0136204	S100P	ENSG00000163993
4	6748426	6748660	6748543	10	13	7	1.678090213	0.11195	S100P	ENSG00000163993
4	6938025	6938358	6938191	11	15	3	3.835634772	0.00291691		ENSG00000196377
4	6969298	6969521	6969431	12	12	2	4.155271003	0.0046638	TBC1D14	ENSG00000132405
4	7067287	7067466	7067391	8	8	4	1.726035648	0.150596		ENSG00000202392
4	7188540	7189022	7188843	12	21	1	10.54799562	4.43E-06		ENSG00000200867
4	7308206	7308545	7308373	21	26	0	25.89053471	1.31E-08	SORCS2	ENSG00000184985
4	7754714	7755195	7755017	52	75	0	72.87706067	6.41E-23	AFAP1	ENSG00000196526
4	7759316	7759624	7759470	13	14	1	7.191815198	0.00034761	AFAP1	ENSG00000196526
4	8040116	8040335	8040225	9	10	0	10.54799562	0.000613541		ENSG00000207807
4	8045833	8046078	8045955	8	10	2	3.515998541	0.0136204		ENSG00000207807
4	8116293	8116851	8116495	40	57	1	27.8083521	3.40E-16		ENSG00000207807
4	8160095	8160396	8160245	9	12	1	6.232906505	0.00117736	ABLIM2	ENSG00000163995
4	8294901	8295151	8295026	8	8	0	8.630178238	0.00235436	HTRA3	ENSG00000170801
4	9717227	9717488	9717394	8	9	1	4.794543465	0.00708517		ENSG00000223086
4	9726716	9727008	9726876	9	13	1	6.712360851	0.000640982	WDR1	ENSG00000071127
4	9894606	9894858	9894769	9	13	1	6.712360851	0.000640982	WDR1	ENSG00000071127
4	10909608	10910127	10909948	12	24	2	7.990905775	4.56E-06		ENSG00000207716
4	13271355	13271611	13271483	8	10	1	5.273997812	0.00391723	FAM44A	ENSG00000038219
4	13918943	13919142	13919042	8	8	1	4.315089119	0.0127267		ENSG00000202449
4	14611865	14612333	14612066	62	84	0	81.50723891	1.51E-25	CPEB2	ENSG00000137449
4	15291959	15292431	15292229	46	63	3	15.34253909	1.21E-15	BST1	ENSG00000109743
4	15682364	15682867	15682721	11	23	5	3.835634772	0.000408054	PROM1	ENSG00000007062
4	16492638	16492900	16492769	9	12	0	12.46581301	0.000159888	LDB2	ENSG00000169744

4	16957078	16957257	16957189	8	8	0	8.630178238	0.00235436		ENSG00000206780
4	17124052	17124317	17124193	9	11	1	5.753452158	0.00215302	QDPR	ENSG00000151552
4	18792409	18792708	18792559	21	22	0	22.05489994	1.92E-07		ENSG00000209240
4	23515649	23515882	23515757	11	12	0	12.46581301	0.000159888	PPARGC1A	ENSG00000109819
4	23883925	23884274	23884099	9	14	1	7.191815198	0.00034761		ENSG00000222262
4	24048780	24048959	24048869	8	8	0	8.630178238	0.00235436		ENSG00000222262
4	24080969	24081169	24081069	9	9	2	3.19636231	0.0229249		ENSG00000222262
4	24298167	24298431	24298281	9	13	5	2.237453617	0.038866	DHX15	ENSG00000109606
4	24374270	24375041	24374545	27	47	0	46.02761727	9.62E-15	SOD3	ENSG00000109610
4	24474265	24474593	24474429	12	17	1	8.630178238	5.44E-05	CCDC149	ENSG00000181982
4	24479711	24480094	24479918	20	27	1	13.4247217	9.80E-08	CCDC149	ENSG00000181982
4	24845352	24845587	24845469	9	10	0	10.54799562	0.000613541	PI4K2B	ENSG00000038210
4	25052232	25052635	25052411	9	16	1	8.150723891	0.000101217	ANAPC4	ENSG00000053900
4	25633136	25633406	25633271	15	17	4	3.452071295	0.00292757		ENSG00000180408
4	25672123	25672428	25672253	9	12	4	2.493162602	0.0299057		ENSG00000180408
4	26017376	26017774	26017571	54	65	3	15.82199344	3.44E-16	RBPJ	ENSG00000168214
4	26194619	26194839	26194685	8	9	2	3.19636231	0.0229249	TBC1D19	ENSG00000109680
4	26390572	26390853	26390712	8	10	2	3.515998541	0.0136204		ENSG00000200999
4	26889841	26890112	26889997	9	9	0	9.589086931	0.00120187		ENSG00000222206
4	27693535	27693715	27693625	8	8	0	8.630178238	0.00235436		ENSG00000221807
4	27962536	27962965	27962715	33	41	3	10.06854128	9.74E-10		ENSG00000210070
4	28297515	28297749	28297655	8	9	5	1.598181155	0.170911		ENSG00000210070
4	29110803	29111106	29110962	10	13	1	6.712360851	0.000640982		ENSG00000209052
4	30845213	30845589	30845410	34	43	0	42.19198249	1.42E-13		ENSG00000215248
4	33425071	33425416	33425244	29	33	3	8.150723891	1.18E-07		
4	35178780	35179279	35179040	29	42	1	20.6165369	6.12E-12		ENSG00000206665
4	35198041	35198503	35198299	206	223	4	42.95910945	2.49E-59		ENSG00000206665
4	36925034	36925237	36925103	9	10	2	3.515998541	0.0136204		ENSG00000215243
4	37131012	37131265	37131121	8	10	2	3.515998541	0.0136204	C4orf19	ENSG00000154274
4	38248089	38248460	38248283	15	21	0	21.09599125	3.76E-07		ENSG00000211560
4	38281153	38281417	38281285	15	17	1	8.630178238	5.44E-05	KLF3	ENSG00000109787
4	38351453	38352009	38351842	10	21	2	7.031997082	2.73E-05		ENSG00000196680
4	38550746	38551013	38550920	11	13	11	1.118726809	0.38479		ENSG00000207944
4	38845089	38845590	38845338	26	43	0	42.19198249	1.42E-13	WDR19	ENSG00000157796

4	39136639	39137032	39136867	8	15	4	3.068507818	0.0076507	RPL9	ENSG00000163682
4	39317066	39317262	39317100	9	10	2	3.515998541	0.0136204	C4orf34	ENSG00000163683
4	39735306	39735590	39735437	10	13	1	6.712360851	0.000640982		ENSG00000205794
4	40092642	40092838	40092776	8	9	3	2.397271733	0.0539397	CHRNA9	ENSG00000174343
4	40143588	40144012	40143834	14	22	5	3.675816657	0.000667901		ENSG00000221122
4	40326708	40326899	40326757	8	8	3	2.157544559	0.0836802	RBM47	ENSG00000163694
4	40375333	40375563	40375455	9	12	3	3.116453252	0.0131971	RBM47	ENSG00000163694
4	40415978	40416199	40416088	8	9	1	4.794543465	0.00708517	NSUN7	ENSG00000179299
4	40537785	40538120	40537952	13	17	2	5.753452158	0.000281509		ENSG00000207195
4	40605514	40605803	40605675	8	10	6	1.506856518	0.188853		ENSG00000210261
4	40841413	40842114	40841780	34	62	2	20.13708255	2.06E-16		ENSG00000207198
4	41015568	41015846	41015703	8	11	0	11.50690432	0.000313206		ENSG00000207481
4	41016364	41016644	41016504	9	13	5	2.237453617	0.038866		ENSG00000207481
4	42020630	42020978	42020807	30	32	2	10.54799562	3.50E-08	SHISA3	ENSG00000178343
4	47412888	47413077	47412979	8	8	4	1.726035648	0.150596		ENSG00000210377
4	47818042	47818238	47818121	9	9	2	3.19636231	0.0229249		ENSG00000210391
4	48317732	48317989	48317852	10	12	0	12.46581301	0.000159888	FRYL	ENSG00000075539
4	48423443	48423630	48423565	9	9	1	4.794543465	0.00708517	FRYL	ENSG00000075539
4	48541702	48541918	48541810	12	12	0	12.46581301	0.000159888	OCIAD1	ENSG00000109180
4	48599102	48599395	48599247	12	14	2	4.794543465	0.00154571	OCIAD2	ENSG00000145247
4	48804556	48804887	48804721	17	17	13	1.232882605	0.274309		ENSG00000222437
4	48816076	48816258	48816167	8	10	7	1.318499453	0.269217		ENSG00000222437
4	48846365	48846703	48846534	79	79	73	1.036658047	0.41099		ENSG00000222437
4	48850244	48850582	48850413	39	41	38	1.0326709	0.441606		ENSG00000222437
4	49191700	49192036	49191868	32	32	0	31.64398687	2.31E-10		ENSG00000221256
4	49329212	49329464	49329324	8	8	3	2.157544559	0.0836802		ENSG00000223099
4	49330675	49330857	49330705	13	13	3	3.356180426	0.00805599		ENSG00000223099
4	49336055	49336385	49336220	15	17	10	1.569123316	0.112309		ENSG00000223099
4	49347367	49347701	49347534	35	35	24	1.380828518	0.103941		ENSG00000223099
4	49350420	49350638	49350529	8	10	18	0.555157664	0.945639		ENSG00000223099
4	49354372	49354562	49354408	8	10	9	1.054799562	0.4492		ENSG00000223099
4	52403323	52403562	52403442	9	11	3	2.876726079	0.0213797	DCUN1D4	ENSG00000109184
4	52612635	52613202	52612910	43	63	2	20.45671879	1.09E-16	SPATA18	ENSG00000163071
4	52618249	52618604	52618425	14	19	0	19.17817386	1.44E-06	SPATA18	ENSG00000163071

4	53409126	53409475	53409297	12	15	2	5.114179696	0.00088103	RASL11B	ENSG00000128045
4	53472669	53472982	53472825	10	12	1	6.232906505	0.00117736	RASL11B	ENSG00000128045
4	53529199	53529408	53529313	9	10	1	5.273997812	0.00391723	RASL11B	ENSG00000128045
4	53926974	53927341	53927120	8	13	3	3.356180426	0.00805599	SCFD2	ENSG00000184178
4	54152089	54152751	54152579	10	24	5	3.995452888	0.00024777	LNK1	ENSG00000072201
4	54491007	54491311	54491159	11	15	5	2.557089848	0.0169197		ENSG00000215164
4	54672800	54672979	54672862	8	8	0	8.630178238	0.00235436		ENSG00000221219
4	54980702	54981060	54980881	29	35	1	17.26035648	5.72E-10	PDGFRA	ENSG00000134853
4	54981215	54981413	54981311	9	9	2	3.19636231	0.0229249	PDGFRA	ENSG00000134853
4	55463238	55463444	55463393	9	11	0	11.50690432	0.000313206		ENSG00000210511
4	55578401	55578665	55578533	9	10	1	5.273997812	0.00391723		ENSG00000210511
4	55916499	55916730	55916588	13	15	1	7.671269544	0.000187863	SRD5A3	ENSG00000128039
4	56414512	56414829	56414672	8	13	3	3.356180426	0.00805599	EXOC1	ENSG00000090989
4	56610798	56611051	56610975	8	9	1	4.794543465	0.00708517		ENSG00000200741
4	57242212	57242431	57242321	9	10	3	2.636998906	0.034203	HOPX	ENSG00000171476
4	57285278	57285534	57285406	12	14	0	14.3836304	4.17E-05		ENSG00000145268
4	57293758	57294073	57293936	8	11	1	5.753452158	0.00215302		ENSG00000145268
4	57304679	57304858	57304780	9	9	8	1.065454103	0.442605		ENSG00000145268
4	57521224	57521541	57521383	10	13	1	6.712360851	0.000640982	POLR2B	ENSG00000047315
4	57539822	57540193	57539978	8	14	4	2.876726079	0.01219	POLR2B	ENSG00000047315
4	57598981	57599198	57599111	9	10	1	5.273997812	0.00391723		ENSG00000210626
4	57673058	57673258	57673148	9	12	1	6.232906505	0.00117736	IGFBP7	ENSG00000163453
4	62979842	62980146	62979994	22	25	2	8.310542006	2.50E-06		ENSG00000180673
4	65129785	65130071	65129944	12	15	2	5.114179696	0.00088103		ENSG00000210689
4	66289254	66289511	66289408	9	10	0	10.54799562	0.000613541		ENSG00000222765
4	67655302	67655550	67655441	8	9	2	3.19636231	0.0229249		ENSG00000206629
4	67946748	67947284	67946926	59	95	115	0.793579608	0.953741		ENSG00000206629
4	67947300	67947574	67947450	10	11	14	0.767126954	0.756447		ENSG00000206629
4	67947826	67948726	67948161	110	242	211	1.099126474	0.156685		ENSG00000206629
4	67949172	67949365	67949268	12	12	14	0.831054201	0.689281		ENSG00000206629
4	68678084	68678443	68678236	12	17	0	17.26035648	5.54E-06	TMPRSS11	ENSG00000198092
4	68723040	68723630	68723217	10	22	3	5.513724985	6.69E-05	TMPRSS11	ENSG00000198092
4	69967215	69967535	69967375	19	21	1	10.54799562	4.43E-06	UGT2B7	ENSG00000171234
4	69969418	69969629	69969523	10	10	2	3.515998541	0.0136204	UGT2B7	ENSG00000171234

4	70331252	70331434	70331343	10	10	9	1.054799562	0.4492		ENSG00000210783
4	70549983	70550215	70550112	15	15	0	15.34253909	2.13E-05	UGT2A1	ENSG00000173610
4	70608199	70608485	70608319	14	16	1	8.150723891	0.000101217	SULT1B1	ENSG00000173597
4	70813299	70813576	70813408	8	10	2	3.515998541	0.0136204	CSN1S1	ENSG00000126545
4	70839335	70839616	70839475	8	9	2	3.19636231	0.0229249	CSN1S1	ENSG00000126545
4	71034956	71035135	71035081	8	8	1	4.315089119	0.0127267	C4orf40	ENSG00000187533
4	71484693	71485170	71484902	11	24	5	3.995452888	0.00024777	AMBN	ENSG00000178522
4	71772706	71773071	71772885	13	20	6	2.876726079	0.00408924	UTP3	ENSG00000132467
4	71785865	71786206	71786035	27	32	4	6.328797374	9.93E-07		ENSG00000207448
4	72638301	72638505	72638413	9	9	0	9.589086931	0.00120187		ENSG00000210828
4	72692818	72693317	72692991	9	18	3	4.554816292	0.000599415		ENSG00000210828
4	72738961	72739269	72739105	11	15	1	7.671269544	0.000187863		ENSG00000210828
4	73023360	73023650	73023505	15	17	0	17.26035648	5.54E-06	NPFFR2	ENSG00000056291
4	73197137	73197389	73197212	9	12	0	12.46581301	0.000159888	NPFFR2	ENSG00000056291
4	74020581	74020847	74020706	10	10	1	5.273997812	0.00391723		ENSG00000210833
4	74182863	74183072	74182951	8	9	0	9.589086931	0.00120187		ENSG00000210847
4	74370312	74370690	74370467	8	14	4	2.876726079	0.01219		ENSG00000221639
4	74792616	74792838	74792715	8	10	5	1.757999271	0.121253		ENSG00000210851
4	74824926	74825128	74825027	9	10	3	2.636998906	0.034203	IL8	ENSG00000169429
4	75368284	75368635	75368422	16	21	5	3.515998541	0.00108602	EPGN	ENSG00000182585
4	75498027	75498300	75498163	12	13	0	13.4247217	8.16E-05	AREG	ENSG00000109321
4	75500308	75500525	75500416	9	10	1	5.273997812	0.00391723	AREG	ENSG00000109321
4	76030608	76031143	76030915	122	158	1	76.2332411	2.93E-45		ENSG00000169116
4	76077046	76077260	76077153	8	9	0	9.589086931	0.00120187		ENSG00000169116
4	76262386	76262697	76262544	12	14	1	7.191815198	0.00034761		ENSG00000179272
4	76717768	76717953	76717887	9	10	1	5.273997812	0.00391723	C4orf26	ENSG00000174792
4	77026070	77026397	77026233	16	17	14	1.150690432	0.340986		ENSG00000210905
4	77080266	77080450	77080379	8	8	1	4.315089119	0.0127267	NAAA	ENSG00000138744
4	77131026	77131293	77131128	10	12	1	6.232906505	0.00117736	SDAD1	ENSG00000198301
4	77135999	77136337	77136168	39	43	0	42.19198249	1.42E-13	SDAD1	ENSG00000198301
4	77352260	77352457	77352358	9	9	1	4.794543465	0.00708517	SCARB2	ENSG00000138760
4	77528637	77528979	77528808	13	18	0	18.21926517	2.83E-06		ENSG00000210916
4	77921981	77922494	77922241	36	59	4	11.50690432	1.18E-13	SHROOM3	ENSG00000138771
4	78049970	78050203	78050086	9	11	0	11.50690432	0.000313206	ANKRD56	ENSG00000186212

4	78216119	78216414	78216265	9	9	6	1.369869562	0.253675	CCNI	ENSG00000118816
4	78369726	78370136	78369869	11	16	3	4.075361945	0.00173346	CCNG2	ENSG00000138764
4	78472927	78473518	78473271	127	168	0	162.0555691	4.46E-50	CCNG2	ENSG00000138764
4	78482441	78483090	78482808	85	108	0	104.5210475	1.48E-32	CXCL13	ENSG00000156234
4	78484119	78484805	78484367	92	130	5	20.93617313	5.87E-32	CXCL13	ENSG00000156234
4	78515073	78515350	78515210	8	11	1	5.753452158	0.00215302	CXCL13	ENSG00000156234
4	78958409	78958785	78958550	8	12	4	2.493162602	0.0299057	CNOT6L	ENSG00000138767
4	78961102	78961387	78961244	9	11	3	2.876726079	0.0213797	CNOT6L	ENSG00000138767
4	79002734	79003055	79002894	16	18	8	2.024362796	0.0334397	MRPL1	ENSG00000169288
4	79020971	79021455	79021150	60	78	2	25.25126225	6.80E-21	MRPL1	ENSG00000169288
4	80492541	80492879	80492710	19	24	17	1.331817629	0.172585	ARD1B	ENSG00000156269
4	81062210	81062462	81062336	11	13	0	13.4247217	8.16E-05		ENSG00000212620
4	82612560	82612759	82612608	9	9	1	4.794543465	0.00708517	RASGEF1B	ENSG00000138670
4	82984941	82985171	82985076	11	11	4	2.301380863	0.0459276		ENSG00000202485
4	83187936	83188177	83188044	9	9	0	9.589086931	0.00120187		ENSG00000202485
4	83693326	83693586	83693418	8	11	3	2.876726079	0.0213797		ENSG00000213632
4	84027516	84027843	84027680	18	20	1	10.06854128	8.32E-06	SEC31A	ENSG00000138674
4	84153287	84153555	84153421	8	10	9	1.054799562	0.4492	LIN54	ENSG00000189308
4	84175051	84175533	84175230	9	17	5	2.876726079	0.00703033	COPS4	ENSG00000138663
4	84311016	84311687	84311361	130	185	1	89.17850845	4.46E-53	PLAC8	ENSG00000145287
4	84596024	84596382	84596203	10	16	6	2.328778255	0.0221113	MRPS18C	ENSG00000163319
4	84977419	84977598	84977508	8	8	0	8.630178238	0.00235436		ENSG00000201633
4	85722648	85722909	85722775	8	10	4	2.109599125	0.0694668	CDS1	ENSG00000163624
4	85746845	85747093	85747003	9	9	0	9.589086931	0.00120187	CDS1	ENSG00000163624
4	86461291	86461578	86461434	10	10	1	5.273997812	0.00391723	ARHGAP24	ENSG00000138639
4	87459641	87459947	87459799	16	18	4	3.643853034	0.00178791	MAPK10	ENSG00000109339
4	87726323	87726557	87726413	17	17	3	4.315089119	0.00102271	PTPN13	ENSG00000163629
4	88884532	88884838	88884685	12	15	0	15.34253909	2.13E-05		ENSG00000200024
4	89352068	89352309	89352188	8	9	3	2.397271733	0.0539397		ENSG00000221440
4	89459264	89459460	89459362	10	10	3	2.636998906	0.034203		ENSG00000207480
4	89551716	89551950	89551833	8	9	0	9.589086931	0.00120187	HERC6	ENSG00000138642
4	89595515	89595858	89595690	15	20	0	20.13708255	7.37E-07	HERC5	ENSG00000138646
4	90262828	90263177	90263002	10	15	4	3.068507818	0.0076507		ENSG00000212226
4	90367193	90367729	90367372	15	27	13	1.917817386	0.0192196	GPRIN3	ENSG00000185477

4	90821312	90821880	90821543	125	167	4	32.21933209	1.81E-43	SNCA	ENSG00000145335
4	91054866	91055045	91054931	8	8	0	8.630178238	0.00235436	MMRN1	ENSG00000138722
4	91314962	91315375	91315111	13	20	3	5.034270639	0.000202317		ENSG00000184305
4	91981012	91981392	91981192	33	42	1	20.6165369	6.12E-12	TMSL3	ENSG00000187653
4	93137284	93137577	93137447	17	21	0	21.09599125	3.76E-07		ENSG00000214910
4	94110201	94110407	94110289	8	8	1	4.315089119	0.0127267		ENSG00000211179
4	94725689	94726039	94725864	13	18	0	18.21926517	2.83E-06		ENSG00000209063
4	96331362	96331583	96331447	9	10	1	5.273997812	0.00391723	BMPRI1B	ENSG00000138696
4	96901794	96902075	96901934	10	13	0	13.4247217	8.16E-05	PDHA2	ENSG00000163114
4	97559342	97559598	97559423	8	10	0	10.54799562	0.000613541		ENSG00000201837
4	97883778	97883989	97883946	9	11	0	11.50690432	0.000313206		ENSG00000109238
4	99333876	99334301	99334124	28	34	0	33.56180426	6.02E-11		ENSG00000200658
4	99802031	99802223	99802126	8	9	1	4.794543465	0.00708517	TSPAN5	ENSG00000168785
4	100069098	100069283	100069207	8	9	1	4.794543465	0.00708517	EIF4E	ENSG00000151247
4	100103665	100104012	100103835	24	28	2	9.2694507	4.06E-07	FAM177A2	ENSG00000214886
4	100229020	100229205	100229097	8	8	1	4.315089119	0.0127267	ADH5	ENSG00000197894
4	101233675	101233857	101233766	9	9	1	4.794543465	0.00708517		ENSG00000222196
4	101633996	101634231	101634116	9	9	2	3.19636231	0.0229249	EMCN	ENSG00000164035
4	101721574	101721890	101721732	9	11	2	3.835634772	0.00800699	EMCN	ENSG00000164035
4	101992607	101992810	101992708	13	15	1	7.671269544	0.000187863		ENSG00000214865
4	102309540	102309747	102309610	9	10	1	5.273997812	0.00391723		ENSG00000197473
4	102834017	102834353	102834182	10	14	2	4.794543465	0.00154571		ENSG00000199529
4	103357630	103357970	103357801	9	14	4	2.876726079	0.01219	SLC39A8	ENSG00000138821
4	103484498	103484697	103484597	8	8	2	2.876726079	0.0381137	SLC39A8	ENSG00000138821
4	103677602	103677906	103677754	23	24	1	11.98635866	6.63E-07	NFKB1	ENSG00000109320
4	103761035	103761214	103761091	8	8	2	2.876726079	0.0381137		ENSG00000213538
4	104240303	104240602	104240462	8	11	2	3.835634772	0.00800699	BDH2	ENSG00000164039
4	104565467	104565717	104565575	8	10	7	1.318499453	0.269217		ENSG00000221522
4	104650009	104650297	104650134	17	18	0	18.21926517	2.83E-06		ENSG00000221522
4	105633052	105633285	105633214	9	11	1	5.753452158	0.00215302		ENSG00000222234
4	105911940	105912167	105912075	9	9	2	3.19636231	0.0229249		ENSG00000211278
4	106001185	106001428	106001289	9	10	7	1.318499453	0.269217		ENSG00000211278
4	106107741	106108037	106107888	15	17	1	8.630178238	5.44E-05		ENSG00000211278
4	106112183	106112506	106112344	39	40	1	19.65762821	2.24E-11		ENSG00000211278

4	106163594	106163801	106163757	8	8	2	2.876726079	0.0381137		ENSG00000211278
4	106163955	106164281	106164118	18	21	9	2.109599125	0.0196396		ENSG00000211278
4	106285726	106286352	106286036	19	37	3	9.109632584	1.09E-08	TET2	ENSG00000168769
4	106287552	106287781	106287670	8	9	3	2.397271733	0.0539397	TET2	ENSG00000168769
4	106773965	106774187	106774076	8	8	0	8.630178238	0.00235436	INTS12	ENSG00000138785
4	106823668	106823991	106823814	12	16	2	5.433815927	0.000499302	INTS12	ENSG00000138785
4	106849277	106849468	106849369	8	9	0	9.589086931	0.00120187	GSTCD	ENSG00000138780
4	107034893	107035262	107035072	17	24	3	5.993179332	2.17E-05	NPNT	ENSG00000168743
4	107065249	107065453	107065322	8	8	4	1.726035648	0.150596	NPNT	ENSG00000168743
4	107094761	107095156	107094923	8	14	6	2.054804342	0.0480281	NPNT	ENSG00000168743
4	107106742	107106944	107106843	8	9	1	4.794543465	0.00708517	NPNT	ENSG00000168743
4	107131655	107131922	107131768	9	11	9	1.150690432	0.367789	NPNT	ENSG00000168743
4	107133133	107133415	107133278	13	15	0	15.34253909	2.13E-05	NPNT	ENSG00000168743
4	107134569	107135095	107134918	10	21	7	2.636998906	0.00562102	NPNT	ENSG00000168743
4	107406873	107407055	107406992	8	8	0	8.630178238	0.00235436	SCYE1	ENSG00000164022
4	108519756	108520438	108520135	43	74	1	35.95907599	4.74E-21		ENSG00000211308
4	108521522	108521767	108521644	8	9	1	4.794543465	0.00708517		ENSG00000211308
4	109171012	109171265	109171110	9	10	0	10.54799562	0.000613541	HADH	ENSG00000138796
4	109607859	109608053	109607956	8	9	3	2.397271733	0.0539397	RPL34	ENSG00000109475
4	109761183	109761364	109761273	8	8	2	2.876726079	0.0381137	RPL34	ENSG00000109475
4	110443874	110444185	110444046	9	13	0	13.4247217	8.16E-05	COL25A1	ENSG00000188517
4	111129778	111130037	111129907	9	10	1	5.273997812	0.00391723		ENSG00000207260
4	113100762	113101069	113100918	10	14	1	7.191815198	0.00034761	C4orf32	ENSG00000174749
4	113375888	113376071	113375979	9	9	1	4.794543465	0.00708517	C4orf16	ENSG00000138660
4	114493479	114493952	114493774	21	32	4	6.328797374	9.93E-07		ENSG00000209187
4	114701643	114702163	114701933	28	44	2	14.3836304	1.96E-11		ENSG00000206820
4	115198372	115198739	115198551	11	18	0	18.21926517	2.83E-06	ARSJ	ENSG00000180801
4	116565405	116565782	116565603	11	18	2	6.073088389	0.000157975	NDST4	ENSG00000138653
4	116594116	116594372	116594244	12	13	1	6.712360851	0.000640982	NDST4	ENSG00000138653
4	116643202	116643452	116643327	10	11	1	5.753452158	0.00215302	NDST4	ENSG00000138653
4	117110418	117110782	117110593	58	64	1	31.16453252	3.43E-18		ENSG00000209247
4	118521374	118521661	118521517	14	16	2	5.433815927	0.000499302		ENSG00000218006
4	119364857	119365080	119364990	8	9	1	4.794543465	0.00708517		ENSG00000206823
4	119537774	119538249	119538011	36	48	0	46.98652596	4.91E-15	PRSS12	ENSG00000164099

4	119558049	119558343	119558196	11	13	3	3.356180426	0.00805599	PRSS12	ENSG00000164099
4	119626450	119626702	119626590	10	12	0	12.46581301	0.000159888	CEP170L	ENSG00000154608
4	120005875	120006142	120006008	8	11	2	3.835634772	0.00800699	SYNPO2	ENSG00000172403
4	121984550	121984774	121984662	11	11	3	2.876726079	0.0213797		ENSG00000212359
4	122366989	122367255	122367122	19	22	1	11.02744997	2.36E-06		ENSG00000212169
4	122962385	122962573	122962427	9	10	1	5.273997812	0.00391723	CCNA2	ENSG00000145386
4	122964496	122964770	122964644	10	12	0	12.46581301	0.000159888	CCNA2	ENSG00000145386
4	123743847	123744167	123744011	23	25	1	12.46581301	3.51E-07	IL21	ENSG00000138684
4	123917378	123917927	123917736	41	53	0	51.78106943	1.70E-16	BBS12	ENSG00000181004
4	123938752	123939193	123939001	86	109	3	26.36998906	2.14E-28	FGF2	ENSG00000138685
4	123939343	123939600	123939467	9	10	2	3.515998541	0.0136204	FGF2	ENSG00000138685
4	125772402	125772655	125772501	12	12	4	2.493162602	0.0299057	ANKRD50	ENSG00000151458
4	125774201	125774568	125774380	11	18	4	3.643853034	0.00178791	ANKRD50	ENSG00000151458
4	126053953	126054511	126054282	39	62	0	60.41124766	4.01E-19	ANKRD50	ENSG00000151458
4	126080610	126080847	126080705	8	10	4	2.109599125	0.0694668	ANKRD50	ENSG00000151458
4	126686102	126686331	126686198	10	11	0	11.50690432	0.000313206		ENSG00000213464
4	128402028	128402475	128402286	67	84	1	40.75361945	6.43E-24		ENSG00000199862
4	128796957	128797153	128797122	9	9	0	9.589086931	0.00120187	INTU	ENSG00000164066
4	128923836	128924282	128924103	65	77	1	37.39743903	6.55E-22	HSPA4L	ENSG00000164070
4	129568496	129568689	129568592	9	10	3	2.636998906	0.034203	PGRMC2	ENSG00000164040
4	129666650	129666881	129666765	9	10	0	10.54799562	0.000613541		ENSG00000209148
4	129826637	129827038	129826837	24	33	1	16.30144778	2.08E-09		ENSG00000209148
4	130503329	130503606	130503498	9	11	3	2.876726079	0.0213797	C4orf33	ENSG00000151470
4	132951191	132951530	132951354	21	22	1	11.02744997	2.36E-06		ENSG00000209132
4	133199934	133200159	133200031	10	10	0	10.54799562	0.000613541		ENSG00000209132
4	134316259	134316438	134316348	8	8	1	4.315089119	0.0127267		ENSG00000209007
4	134450256	134450435	134450345	8	8	0	8.630178238	0.00235436		ENSG00000209007
4	134530765	134531136	134530907	17	25	0	24.93162602	2.56E-08		ENSG00000221637
4	136460226	136460538	136460395	27	31	2	10.22835939	6.48E-08		ENSG00000207188
4	137177418	137177679	137177532	21	21	0	21.09599125	3.76E-07		ENSG00000207322
4	140120398	140120724	140120561	11	16	0	16.30144778	1.09E-05		ENSG00000208970
4	140384026	140384404	140384245	25	31	0	30.68507818	4.52E-10		ENSG00000206722
4	140449993	140450204	140450089	10	10	1	5.273997812	0.00391723	NDUFC1	ENSG00000109390
4	140817597	140818045	140817832	35	48	1	23.49326298	1.23E-13		ENSG00000201533

4	141897557	141897807	141897715	10	12	2	4.155271003	0.0046638	TBC1D9	ENSG00000109436
4	143933762	143934072	143933917	9	11	0	11.50690432	0.000313206	INPP4B	ENSG00000109452
4	144441479	144441867	144441641	18	24	1	11.98635866	6.63E-07		ENSG00000200049
4	144914761	144914949	144914848	8	8	1	4.315089119	0.0127267	FREM3	ENSG00000183090
4	146648389	146648770	146648580	43	53	0	51.78106943	1.70E-16	SMAD1	ENSG00000170365
4	147195274	147195589	147195437	9	12	1	6.232906505	0.00117736		ENSG00000216055
4	148824866	148825090	148824962	8	10	4	2.109599125	0.0694668		ENSG00000164169
4	148972443	148972652	148972547	8	9	2	3.19636231	0.0229249		ENSG00000208847
4	149007545	149007749	149007595	8	8	1	4.315089119	0.0127267		ENSG00000208847
4	149188058	149188300	149188191	8	10	2	3.515998541	0.0136204		ENSG00000208847
4	152901585	152901824	152901704	11	12	1	6.232906505	0.00117736	PET112L	ENSG00000059691
4	153399514	153400100	153399766	42	58	0	56.57561289	5.90E-18		ENSG00000208788
4	153405790	153405993	153405891	11	11	2	3.835634772	0.00800699		ENSG00000208788
4	153492938	153493644	153493239	54	97	3	23.49326298	4.87E-25	FBXW7	ENSG00000109670
4	153919484	153919681	153919582	8	9	4	1.917817386	0.103282	TIGD4	ENSG00000169989
4	154627505	154627690	154627561	10	10	2	3.515998541	0.0136204	KIAA0922	ENSG00000121210
4	154932883	154933190	154933036	8	13	1	6.712360851	0.000640982	SFRP2	ENSG00000145423
4	157627704	157627976	157627863	14	15	3	3.835634772	0.00291691		ENSG00000221189
4	157797003	157797205	157797104	8	8	0	8.630178238	0.00235436	PDGFC	ENSG00000145431
4	157911726	157912441	157912262	76	108	3	26.13026189	4.07E-28	PDGFC	ENSG00000145431
4	159311787	159312212	159311966	48	59	1	28.76726079	9.15E-17	C4orf18	ENSG00000164125
4	159351040	159351259	159351179	9	9	1	4.794543465	0.00708517	TMEM144	ENSG00000164124
4	160824757	160825079	160824932	12	15	1	7.671269544	0.000187863		ENSG00000208635
4	161005068	161005247	161005157	8	8	1	4.315089119	0.0127267		ENSG00000208635
4	161459790	161460137	161459963	12	15	9	1.534253909	0.136498		ENSG00000208632
4	163096265	163096682	163096561	9	18	0	18.21926517	2.83E-06	FSTL5	ENSG00000168843
4	163478812	163479208	163479034	19	29	2	9.589086931	2.21E-07		ENSG00000208630
4	163824796	163824985	163824877	12	12	1	6.232906505	0.00117736		ENSG00000208630
4	164691083	164691327	164691154	9	11	0	11.50690432	0.000313206	C4orf43	ENSG00000198498
4	165677366	165677844	165677593	41	53	0	51.78106943	1.70E-16		ENSG00000223037
4	165920448	165920689	165920568	8	10	4	2.109599125	0.0694668		ENSG00000201050
4	166253658	166253988	166253823	10	14	1	7.191815198	0.00034761	TMEM192	ENSG00000170088
4	166969604	166969902	166969753	15	17	0	17.26035648	5.54E-06	TLL1	ENSG00000038295
4	169054818	169055283	169055069	58	72	3	17.50008365	4.15E-18		ENSG00000221576

4	169659158	169659368	169659263	10	10	1	5.273997812	0.00391723	PALLD	ENSG00000129116
4	170191484	170191842	170191663	16	22	5	3.675816657	0.000667901	CBR4	ENSG00000145439
4	170227764	170228009	170227903	10	11	3	2.876726079	0.0213797	CBR4	ENSG00000145439
4	170777376	170777576	170777476	9	9	0	9.589086931	0.00120187	CLCN3	ENSG00000109572
4	171184980	171185292	171185124	10	14	0	14.3836304	4.17E-05	MFAP3L	ENSG00000198948
4	172272728	172272926	172272838	9	9	0	9.589086931	0.00120187		
4	172361215	172361482	172361348	9	12	3	3.116453252	0.0131971		
4	174139924	174140416	174140159	74	91	3	22.05489994	2.29E-23		ENSG00000205182
4	174367330	174367509	174367419	8	8	1	4.315089119	0.0127267		ENSG00000221426
4	177173583	177173790	177173687	10	10	0	10.54799562	0.000613541	GPM6A	ENSG00000150625
4	178182170	178182559	178182348	10	17	3	4.315089119	0.00102271		ENSG00000208515
4	178669795	178670152	178669973	46	51	3	12.46581301	2.13E-12		ENSG00000221499
4	178754194	178754407	178754336	10	12	1	6.232906505	0.00117736		ENSG00000221499
4	181856849	181857234	181857055	13	20	0	20.13708255	7.37E-07		ENSG00000214628
4	187857570	187857893	187857731	19	21	0	21.09599125	3.76E-07	FAT1	ENSG00000083857
4	188078680	188079002	188078835	35	37	0	36.43853034	8.01E-12	FAT1	ENSG00000083857
4	190889449	190889628	190889570	8	8	2	2.876726079	0.0381137		ENSG00000202215
5	67592	67988	67811	62	69	0	67.12360851	3.62E-21	PLEKHG4B	ENSG00000153404
5	477856	478150	478023	10	13	0	13.4247217	8.16E-05		ENSG00000221990
5	1126526	1126850	1126695	14	15	0	15.34253909	2.13E-05	NKD2	ENSG00000145506
5	1221287	1221510	1221398	10	10	3	2.636998906	0.034203	SLC6A19	ENSG00000174358
5	1425015	1425305	1425150	10	13	0	13.4247217	8.16E-05		ENSG00000215245
5	1569256	1569643	1569435	15	22	2	7.351633313	1.51E-05	LPCAT1	ENSG00000153395
5	1861625	1861901	1861765	13	14	0	14.3836304	4.17E-05	NDUFS6	ENSG00000145494
5	2091307	2091518	2091409	8	9	1	4.794543465	0.00708517		ENSG00000201026
5	4072513	4072896	4072717	13	21	0	21.09599125	3.76E-07		ENSG00000221195
5	5324468	5324754	5324616	8	10	2	3.515998541	0.0136204		ENSG00000209884
5	5475394	5475684	5475557	12	14	7	1.797953799	0.0806593		ENSG00000164151
5	5758222	5758601	5758363	16	23	1	11.50690432	1.25E-06		ENSG00000164151
5	5834526	5834811	5834660	16	17	0	17.26035648	5.54E-06		ENSG00000221568
5	6729125	6729680	6729293	21	34	0	33.56180426	6.02E-11	POLS	ENSG00000112941
5	6818785	6819134	6818959	23	29	9	2.876726079	0.000832979	POLS	ENSG00000112941
5	7720400	7720767	7720611	9	15	3	3.835634772	0.00291691	C5orf49	ENSG00000215217
5	10199111	10199290	10199215	8	8	4	1.726035648	0.150596		ENSG00000196193

5	10360471	10361024	10360650	20	39	6	5.479478246	3.16E-07	CMBL	ENSG00000164237
5	10363502	10363779	10363671	8	10	1	5.273997812	0.00391723	CMBL	ENSG00000164237
5	10406223	10406490	10406356	9	12	0	12.46581301	0.000159888	6-Mar	ENSG00000145495
5	10427242	10427422	10427251	9	9	7	1.198635866	0.346278		ENSG00000209963
5	10506820	10507027	10506976	8	8	3	2.157544559	0.0836802	ROPN1L	ENSG00000145491
5	10581477	10581934	10581725	73	93	1	45.06870857	1.67E-26		ENSG00000214179
5	10654540	10654843	10654691	11	14	3	3.595907599	0.00486913	ANKRD33B	ENSG00000164236
5	10680981	10681237	10681072	11	13	3	3.356180426	0.00805599	ANKRD33B	ENSG00000164236
5	10813406	10813666	10813530	8	10	3	2.636998906	0.034203	DAP	ENSG00000112977
5	14317691	14317926	14317808	8	10	3	2.636998906	0.034203	TRIO	ENSG00000038382
5	14321307	14321644	14321475	10	15	2	5.114179696	0.00088103	TRIO	ENSG00000038382
5	14405319	14405516	14405447	8	8	3	2.157544559	0.0836802	TRIO	ENSG00000038382
5	14833138	14833340	14833239	9	9	1	4.794543465	0.00708517		ENSG00000212736
5	14999617	15000265	15000086	63	83	4	16.10966604	4.16E-20		ENSG00000212036
5	15012552	15013013	15012815	8	17	1	8.630178238	5.44E-05		ENSG00000212036
5	15061711	15061945	15061829	8	10	3	2.636998906	0.034203		ENSG00000212036
5	16228310	16228521	16228436	9	13	1	6.712360851	0.000640982	11-Mar	ENSG00000183654
5	16947649	16947910	16947774	9	12	3	3.116453252	0.0131971	MYO10	ENSG00000145555
5	17199024	17199213	17199109	8	8	3	2.157544559	0.0836802		ENSG00000209068
5	17266436	17266637	17266559	8	8	2	2.876726079	0.0381137		ENSG00000215196
5	17355315	17355579	17355443	14	17	3	4.315089119	0.00102271		ENSG00000185296
5	17358915	17359494	17359180	16	36	10	3.225420149	8.71E-05		ENSG00000185296
5	17365548	17365778	17365663	8	8	4	1.726035648	0.150596		ENSG00000185296
5	17394102	17394304	17394178	8	8	6	1.232882605	0.333038		ENSG00000201715
5	17396868	17397105	17396986	9	10	4	2.109599125	0.0694668		ENSG00000201715
5	17428536	17428715	17428610	9	9	1	4.794543465	0.00708517		ENSG00000201715
5	17479584	17479872	17479742	8	10	0	10.54799562	0.000613541		ENSG00000185041
5	17987738	17987936	17987842	10	11	2	3.835634772	0.00800699		ENSG00000212278
5	18430276	18430480	18430376	8	9	4	1.917817386	0.103282		ENSG00000210087
5	18828247	18828426	18828306	8	8	0	8.630178238	0.00235436		ENSG00000210097
5	19358626	19359025	19358801	31	38	2	12.46581301	8.46E-10		ENSG00000210097
5	19436875	19437202	19437038	14	17	4	3.452071295	0.00292757	CDH18	ENSG00000145526
5	19820136	19820443	19820298	29	30	2	9.908723162	1.20E-07	CDH18	ENSG00000145526
5	19927453	19927634	19927602	8	8	2	2.876726079	0.0381137	CDH18	ENSG00000145526

5	19927645	19927839	19927689	8	8	2	2.876726079	0.0381137	CDH18	ENSG00000145526
5	20145291	20145540	20145427	8	8	3	2.157544559	0.0836802	CDH18	ENSG00000145526
5	21595084	21595303	21595193	9	10	2	3.515998541	0.0136204		ENSG00000198014
5	22286353	22286532	22286504	8	8	0	8.630178238	0.00235436	PMCHL1	ENSG00000168967
5	22286534	22286754	22286644	9	11	0	11.50690432	0.000313206	PMCHL1	ENSG00000168967
5	24859598	24859799	24859698	8	8	0	8.630178238	0.00235436		ENSG00000223004
5	27507753	27508286	27507983	66	87	0	84.38396499	2.01E-26		ENSG00000207261
5	28891557	28892065	28891757	15	27	0	26.84944341	6.66E-09		ENSG00000210223
5	29895868	29896051	29895979	8	8	0	8.630178238	0.00235436		ENSG00000223136
5	30901389	30901724	30901556	10	15	1	7.671269544	0.000187863	CDH6	ENSG00000113361
5	31379914	31380103	31380000	9	10	3	2.636998906	0.034203	C5orf22	ENSG00000082213
5	31624647	31625129	31625008	10	20	1	10.06854128	8.32E-06		ENSG00000199765
5	31970132	31970352	31970242	10	10	3	2.636998906	0.034203		ENSG00000214108
5	32841931	32842179	32842075	8	10	1	5.273997812	0.00391723	C5orf23	ENSG00000181495
5	33476468	33476693	33476580	10	11	1	5.753452158	0.00215302	TARS	ENSG00000113407
5	34488192	34488403	34488270	8	9	2	3.19636231	0.0229249		ENSG00000222261
5	34545311	34545504	34545407	8	8	0	8.630178238	0.00235436		ENSG00000222261
5	34994028	34994279	34994150	9	11	5	1.917817386	0.0843804	DNAJC21	ENSG00000168724
5	35125572	35125807	35125689	8	10	5	1.757999271	0.121253	PRLR	ENSG00000113494
5	35223987	35224244	35224081	10	13	6	1.917817386	0.0693353	PRLR	ENSG00000113494
5	35249503	35249831	35249651	11	15	11	1.278544924	0.254978	PRLR	ENSG00000113494
5	35265311	35265509	35265432	8	10	3	2.636998906	0.034203	PRLR	ENSG00000113494
5	35266034	35266512	35266368	8	16	6	2.328778255	0.0221113	PRLR	ENSG00000113494
5	35342585	35342877	35342731	8	11	3	2.876726079	0.0213797	PRLR	ENSG00000113494
5	36077458	36077786	36077622	15	19	0	19.17817386	1.44E-06	UGT3A2	ENSG00000168671
5	36414458	36414864	36414637	26	34	3	8.390451064	6.50E-08	RANBP3L	ENSG00000164188
5	36477937	36478978	36478366	124	203	10	17.78339758	1.00E-46		ENSG00000222178
5	36781095	36781389	36781242	8	12	7	1.558226626	0.152813	NIPBL	ENSG00000164190
5	37448942	37449144	37449043	8	8	4	1.726035648	0.150596	WDR70	ENSG00000082068
5	37753293	37753602	37753447	9	12	2	4.155271003	0.0046638		ENSG00000206743
5	37883607	37884196	37883901	125	169	3	40.75361945	2.31E-45	GDNF	ENSG00000168621
5	37902500	37902768	37902634	12	13	0	13.4247217	8.16E-05	GDNF	ENSG00000168621
5	38463013	38463463	38463229	49	62	2	20.13708255	2.06E-16	EGFLAM	ENSG00000164318
5	39136757	39137087	39136913	9	10	6	1.506856518	0.188853		ENSG00000164327

5	39227162	39227341	39227237	8	8	2	2.876726079	0.0381137	FYB	ENSG00000082074
5	39319300	39319498	39319413	8	8	0	8.630178238	0.00235436	FYB	ENSG00000082074
5	39684688	39684931	39684809	8	10	2	3.515998541	0.0136204	DAB2	ENSG00000153071
5	39752457	39752840	39752599	12	16	3	4.075361945	0.00173346	DAB2	ENSG00000153071
5	40465430	40465714	40465583	14	16	1	8.150723891	0.000101217		ENSG00000199361
5	40554992	40555175	40555090	9	9	1	4.794543465	0.00708517		ENSG00000199552
5	40604477	40604850	40604671	20	28	1	13.90417605	5.17E-08		ENSG00000199552
5	40637052	40637492	40637316	29	44	4	8.630178238	9.65E-10		ENSG00000199552
5	40732992	40733321	40733156	14	14	0	14.3836304	4.17E-05	PTGER4	ENSG00000171522
5	40871085	40871313	40871199	11	12	5	2.077635502	0.0577144	RPL37	ENSG00000145592
5	41158291	41158720	41158545	65	73	3	17.73981082	2.20E-18		ENSG00000171495
5	42619161	42619478	42619301	15	19	4	3.835634772	0.00108365		ENSG00000215083
5	42634094	42634533	42634354	23	34	3	8.390451064	6.50E-08		ENSG00000215083
5	42691902	42692168	42692023	9	12	0	12.46581301	0.000159888	CCDC152	ENSG00000198865
5	42986235	42986544	42986398	8	12	3	3.116453252	0.0131971		ENSG00000177738
5	43042993	43044074	43043533	74	123	5	19.81744632	4.98E-30		ENSG00000177738
5	43076152	43076466	43076306	8	11	1	5.753452158	0.00215302		ENSG00000215068
5	43100744	43101040	43100877	11	15	1	7.671269544	0.000187863	C5orf39	ENSG00000177721
5	43102709	43102903	43102806	8	9	3	2.397271733	0.0539397	C5orf39	ENSG00000177721
5	43141610	43141842	43141720	10	10	6	1.506856518	0.188853	ZNF131	ENSG00000172262
5	43244403	43244846	43244542	21	28	4	5.56167042	9.22E-06		ENSG00000177453
5	43263641	43263847	43263732	8	10	2	3.515998541	0.0136204		ENSG00000177453
5	43464560	43464764	43464696	9	10	0	10.54799562	0.000613541	CCL28	ENSG00000151882
5	43465611	43465987	43465734	9	13	3	3.356180426	0.00805599	CCL28	ENSG00000151882
5	43519123	43519345	43519234	8	9	3	2.397271733	0.0539397	C5orf28	ENSG00000151881
5	43550325	43550574	43550448	8	9	0	9.589086931	0.00120187	C5orf34	ENSG00000172244
5	43662837	43663135	43662998	9	10	4	2.109599125	0.0694668	NNT	ENSG00000112992
5	44038488	44038825	44038651	21	25	3	6.232906505	1.23E-05		ENSG00000212561
5	44764130	44764442	44764286	17	20	0	20.13708255	7.37E-07		ENSG00000222995
5	44786190	44786423	44786316	10	12	3	3.116453252	0.0131971		ENSG00000222995
5	46433321	46433654	46433487	31	31	14	2.045671879	0.00841532		
5	49486215	49486551	49486383	43	43	41	1.004571012	0.490923	EMB	ENSG00000170571
5	49537700	49538028	49537864	12	12	13	0.890415215	0.619237	EMB	ENSG00000170571
5	49755053	49755427	49755173	22	28	0	27.8083521	3.40E-09	EMB	ENSG00000170571

5	50533808	50534233	50533934	9	16	3	4.075361945	0.00173346		ENSG00000206606
5	51929422	51929880	51929597	24	35	0	34.52071295	3.07E-11	PELO	ENSG00000152684
5	52132454	52132776	52132649	14	18	1	9.109632584	2.91E-05	PELO	ENSG00000152684
5	52359701	52359922	52359811	10	10	2	3.515998541	0.0136204	ITGA2	ENSG00000164171
5	52822260	52822843	52822464	84	105	5	16.94072024	4.21E-25	FST	ENSG00000134363
5	53114325	53114631	53114477	11	14	1	7.191815198	0.00034761		ENSG00000222077
5	53198102	53198286	53198211	9	9	1	4.794543465	0.00708517		ENSG00000217791
5	53736114	53736476	53736274	21	27	1	13.4247217	9.80E-08	HSPB3	ENSG00000169271
5	54478268	54478513	54478377	11	14	5	2.397271733	0.0258078	GPX8	ENSG00000164294
5	54639309	54639564	54639436	10	12	2	4.155271003	0.0046638	SKIV2L2	ENSG00000039123
5	54924579	54924954	54924775	16	24	1	11.98635866	6.63E-07	PPAP2A	ENSG00000067113
5	55682132	55682436	55682296	9	12	3	3.116453252	0.0131971		ENSG00000210678
5	56152377	56152715	56152532	14	19	4	3.835634772	0.00108365	MAP3K1	ENSG00000095015
5	56193731	56193985	56193858	12	15	2	5.114179696	0.00088103	C5orf35	ENSG00000155542
5	56399092	56399568	56399311	74	96	0	93.01414323	4.73E-29		ENSG00000218706
5	56505422	56505618	56505520	8	8	2	2.876726079	0.0381137	GPBP1	ENSG00000062194
5	56506316	56506666	56506491	11	13	2	4.474907234	0.00269459	GPBP1	ENSG00000062194
5	56826238	56826826	56826475	50	68	3	16.54117496	5.19E-17	ACTBL2	ENSG00000169067
5	57019541	57019720	57019642	9	9	2	3.19636231	0.0229249	ACTBL2	ENSG00000169067
5	57166722	57167395	57166985	146	200	1	96.37032365	2.01E-57		ENSG00000209041
5	57321082	57321293	57321187	9	9	7	1.198635866	0.346278		ENSG00000209041
5	57412203	57412647	57412368	10	16	3	4.075361945	0.00173346		ENSG00000209041
5	57425694	57425919	57425799	9	10	3	2.636998906	0.034203		ENSG00000209041
5	57793653	57794104	57793869	126	157	0	151.5075735	7.27E-47	PLK2	ENSG00000145632
5	57794277	57794536	57794406	11	12	0	12.46581301	0.000159888	PLK2	ENSG00000145632
5	57857472	57857652	57857554	8	8	2	2.876726079	0.0381137	GAPT	ENSG00000175857
5	57914218	57914397	57914307	8	8	5	1.43836304	0.235762	RAB3C	ENSG00000152932
5	58459285	58459542	58459413	9	12	2	4.155271003	0.0046638	PDE4D	ENSG00000113448
5	58607298	58607571	58607456	8	10	1	5.273997812	0.00391723	PDE4D	ENSG00000113448
5	58633345	58633722	58633543	14	21	2	7.031997082	2.73E-05	PDE4D	ENSG00000113448
5	58648911	58649231	58649067	11	13	3	3.356180426	0.00805599	PDE4D	ENSG00000113448
5	59785201	59785432	59785316	11	12	1	6.232906505	0.00117736		ENSG00000213896
5	60041774	60041974	60041836	8	8	6	1.232882605	0.333038	DEPDC1B	ENSG00000035499
5	60494489	60494751	60494620	9	11	9	1.150690432	0.367789	C5orf43	ENSG00000188725

5	60633360	60633545	60633457	8	9	0	9.589086931	0.00120187	FAM133B	ENSG00000183055
5	60703107	60703396	60703252	8	9	8	1.065454103	0.442605	FAM133B	ENSG00000183055
5	60740213	60740467	60740329	10	11	1	5.753452158	0.00215302		ENSG00000213891
5	61136737	61137037	61136887	26	28	6	3.972621728	9.48E-05		ENSG00000178722
5	61399382	61399568	61399475	8	8	3	2.157544559	0.0836802	KIF2A	ENSG00000068796
5	61611553	61612098	61611858	50	66	1	32.12344122	9.20E-19	KIF2A	ENSG00000068796
5	61799195	61799384	61799289	8	9	2	3.19636231	0.0229249		ENSG00000199279
5	63100117	63100371	63100260	8	11	0	11.50690432	0.000313206	HTR1A	ENSG00000178394
5	65320159	65320338	65320293	8	8	1	4.315089119	0.0127267	ERBB2IP	ENSG00000112851
5	65927430	65927628	65927529	8	8	6	1.232882605	0.333038	MAST4	ENSG00000069020
5	65929005	65929330	65929156	11	16	1	8.150723891	0.000101217	MAST4	ENSG00000069020
5	66336106	66336305	66336266	8	9	5	1.598181155	0.170911	MAST4	ENSG00000069020
5	66426371	66426732	66426550	18	25	0	24.93162602	2.56E-08	MAST4	ENSG00000069020
5	67295867	67296155	67296011	8	10	0	10.54799562	0.000613541		ENSG00000223149
5	67880904	67881136	67881033	9	12	1	6.232906505	0.00117736	PIK3R1	ENSG00000145675
5	71182352	71182846	71182529	93	126	105	1.14888117	0.144676		ENSG00000210845
5	71204934	71205298	71205129	16	22	1	11.02744997	2.36E-06		ENSG00000210845
5	71238683	71239135	71238909	37	52	3	12.70554018	1.15E-12		ENSG00000210845
5	71651662	71651902	71651793	9	11	14	0.767126954	0.756447	MRPS27	ENSG00000113048
5	71694809	71695147	71694981	12	17	2	5.753452158	0.000281509	PTCD2	ENSG00000049883
5	71903958	71904283	71904124	11	16	0	16.30144778	1.09E-05	ZNF366	ENSG00000178175
5	72179568	72179791	72179679	8	10	1	5.273997812	0.00391723	TNPO1	ENSG00000083312
5	72286645	72287538	72286882	44	87	5	14.06399416	3.11E-20	FCHO2	ENSG00000157107
5	72568105	72568510	72568369	27	35	0	34.52071295	3.07E-11	TMEM174	ENSG00000164325
5	72659129	72659311	72659170	8	8	2	2.876726079	0.0381137		ENSG00000183900
5	72896837	72897411	72897103	20	39	2	12.78544924	4.53E-10	ANKRA2	ENSG00000164331
5	73154628	73154834	73154731	9	9	1	4.794543465	0.00708517		ENSG00000184084
5	73531421	73531601	73531503	8	8	1	4.315089119	0.0127267		ENSG00000210914
5	73533078	73533288	73533183	9	11	2	3.835634772	0.00800699		ENSG00000210914
5	73573454	73573633	73573543	8	8	3	2.157544559	0.0836802		ENSG00000222551
5	73978670	73979136	73978845	34	54	1	26.36998906	2.43E-15	ENC1	ENSG00000171617
5	74098650	74098873	74098768	8	9	1	4.794543465	0.00708517	GFM2	ENSG00000164347
5	74287879	74288177	74288028	15	17	0	17.26035648	5.54E-06		ENSG00000182383
5	74377257	74377438	74377373	8	8	1	4.315089119	0.0127267	GCNT4	ENSG00000176928

5	74377903	74378372	74378193	21	32	1	15.82199344	3.96E-09	GCNT4	ENSG00000176928
5	74574757	74575006	74574881	13	13	1	6.712360851	0.000640982	ANKRD31	ENSG00000145700
5	75222139	75222336	75222251	8	10	5	1.757999271	0.121253		ENSG00000214913
5	75381793	75382029	75381882	10	11	0	11.50690432	0.000313206	SV2C	ENSG00000122012
5	75603630	75603832	75603679	8	8	3	2.157544559	0.0836802		ENSG00000176276
5	75704216	75704506	75704328	9	13	4	2.684944341	0.01921		ENSG00000171601
5	76145864	76146100	76145982	8	10	3	2.636998906	0.034203	F2RL1	ENSG00000164251
5	76418990	76419169	76419079	8	8	1	4.315089119	0.0127267	ZBED3	ENSG00000132846
5	76461046	76461310	76461178	8	9	3	2.397271733	0.0539397		ENSG00000222316
5	76500452	76500895	76500625	11	19	8	2.130908207	0.0233014		ENSG00000222316
5	77211474	77211858	77211681	18	25	2	8.310542006	2.50E-06		ENSG00000213763
5	77230042	77230328	77230177	11	12	2	4.155271003	0.0046638		ENSG00000213763
5	77277973	77278304	77278130	11	15	2	5.114179696	0.00088103		ENSG00000222085
5	77536037	77536431	77536203	8	13	5	2.237453617	0.038866	AP3B1	ENSG00000132842
5	77627479	77627745	77627594	9	12	3	3.116453252	0.0131971	AP3B1	ENSG00000132842
5	77677094	77677820	77677494	85	114	5	18.37908328	1.47E-27	SCAMP1	ENSG00000085365
5	77926768	77927020	77926919	8	11	6	1.643843474	0.137712	LHFPL2	ENSG00000145685
5	78031372	78031782	78031551	8	15	2	5.114179696	0.00088103	LHFPL2	ENSG00000145685
5	78296635	78296814	78296724	8	8	3	2.157544559	0.0836802	ARSB	ENSG00000113273
5	78356585	78356936	78356761	10	15	1	7.671269544	0.000187863		ENSG00000214890
5	78465210	78465389	78465326	8	9	6	1.369869562	0.253675	BHMT	ENSG00000145692
5	78465403	78465730	78465566	8	14	7	1.797953799	0.0806593	BHMT	ENSG00000145692
5	78505376	78505597	78505486	9	11	2	3.835634772	0.00800699		ENSG00000201955
5	78525373	78525620	78525529	13	15	3	3.835634772	0.00291691		ENSG00000201955
5	78635889	78636093	78635991	9	9	2	3.19636231	0.0229249		ENSG00000213757
5	78637310	78637620	78637465	15	18	0	18.21926517	2.83E-06		ENSG00000213757
5	78879663	78879897	78879742	9	10	9	1.054799562	0.4492		ENSG00000207391
5	78887858	78888039	78887936	8	8	2	2.876726079	0.0381137		ENSG00000207391
5	78910524	78910793	78910658	10	11	1	5.753452158	0.00215302	PAPD4	ENSG00000164329
5	79021718	79022070	79021894	11	17	3	4.315089119	0.00102271	CMYA5	ENSG00000164309
5	79269967	79270510	79270351	18	31	1	15.34253909	7.54E-09	MTX3	ENSG00000177034
5	79287987	79288302	79288134	14	18	3	4.554816292	0.000599415	MTX3	ENSG00000177034
5	79519995	79520268	79520143	8	8	2	2.876726079	0.0381137	SERINC5	ENSG00000164300
5	79586556	79586979	79586779	15	23	2	7.671269544	8.30E-06		ENSG00000211056

5	79739199	79739514	79739343	9	13	0	13.4247217	8.16E-05	ZFYVE16	ENSG00000039319
5	79740140	79740365	79740251	8	11	1	5.753452158	0.00215302	ZFYVE16	ENSG00000039319
5	79798630	79799231	79798974	26	41	3	10.06854128	9.74E-10	FAM151B	ENSG00000152380
5	79819944	79820240	79820112	17	19	3	4.794543465	0.000349205	FAM151B	ENSG00000152380
5	79821644	79821905	79821740	8	10	3	2.636998906	0.034203	FAM151B	ENSG00000152380
5	80578467	80578646	80578556	8	8	0	8.630178238	0.00235436	CKMT2	ENSG00000131730
5	80989087	80989316	80989189	9	10	4	2.109599125	0.0694668	SSBP2	ENSG00000145687
5	81082878	81083076	81082948	10	11	1	5.753452158	0.00215302	SSBP2	ENSG00000145687
5	81100855	81101096	81100975	10	10	1	5.273997812	0.00391723	SSBP2	ENSG00000145687
5	81151692	81151871	81151800	9	9	3	2.397271733	0.0539397	SSBP2	ENSG00000145687
5	81174473	81174884	81174705	10	17	4	3.452071295	0.00292757		ENSG00000214857
5	81187191	81187511	81187351	28	31	1	15.34253909	7.54E-09		ENSG00000214857
5	81496195	81496442	81496317	8	9	0	9.589086931	0.00120187		ENSG00000222962
5	81497557	81497756	81497616	8	9	2	3.19636231	0.0229249		ENSG00000222962
5	81544897	81545076	81544947	8	8	0	8.630178238	0.00235436	RPS23	ENSG00000186468
5	81972944	81973255	81973087	10	13	6	1.917817386	0.0693353		ENSG00000205462
5	82416632	82417011	82416844	17	23	0	23.01380863	9.81E-08	XRCC4	ENSG00000152422
5	82596821	82597072	82596969	8	11	1	5.753452158	0.00215302	XRCC4	ENSG00000152422
5	82804979	82805348	82805193	11	17	6	2.465765211	0.014729	VCAN	ENSG00000038427
5	82838841	82839275	82839108	12	17	8	1.917817386	0.0474153	VCAN	ENSG00000038427
5	82895295	82895496	82895395	8	9	3	2.397271733	0.0539397	VCAN	ENSG00000038427
5	82915481	82915731	82915606	10	11	1	5.753452158	0.00215302	HAPLN1	ENSG00000145681
5	83319495	83319758	83319626	11	11	2	3.835634772	0.00800699		ENSG00000216125
5	83416266	83416446	83416405	8	8	2	2.876726079	0.0381137		ENSG00000216125
5	83713066	83713443	83713264	17	24	1	11.98635866	6.63E-07	EDIL3	ENSG00000164176
5	83713811	83714039	83713946	8	10	2	3.515998541	0.0136204	EDIL3	ENSG00000164176
5	83743435	83743673	83743582	8	10	4	2.109599125	0.0694668	EDIL3	ENSG00000164176
5	84652211	84652447	84652329	10	11	2	3.835634772	0.00800699		ENSG00000215953
5	85949430	85949753	85949608	8	12	3	3.116453252	0.0131971	COX7C	ENSG00000127184
5	86573787	86574243	86573966	45	53	2	17.26035648	6.53E-14		ENSG00000196836
5	87722809	87723006	87722986	8	9	5	1.598181155	0.170911		ENSG00000206958
5	88343965	88344320	88344168	12	17	0	17.26035648	5.54E-06	MEF2C	ENSG00000081189
5	88752602	88752845	88752723	9	10	4	2.109599125	0.0694668		
5	89596820	89597137	89596978	10	14	7	1.797953799	0.0806593	CETN3	ENSG00000153140

5	89742048	89742319	89742181	9	10	2	3.515998541	0.0136204		ENSG00000176265
5	89771388	89771591	89771489	9	11	2	3.835634772	0.00800699		ENSG00000176265
5	89804899	89805096	89805003	8	8	0	8.630178238	0.00235436		ENSG00000176055
5	89861251	89861775	89861505	8	19	7	2.397271733	0.0127287	LYSMD3	ENSG00000176018
5	89890150	89890407	89890278	10	12	8	1.385090334	0.219216	GPR98	ENSG00000164199
5	90040987	90041205	90041120	8	10	2	3.515998541	0.0136204	GPR98	ENSG00000164199
5	90326380	90326629	90326483	9	10	2	3.515998541	0.0136204		ENSG00000199643
5	90433346	90433534	90433440	8	8	1	4.315089119	0.0127267		ENSG00000199643
5	90611965	90612346	90612144	10	17	5	2.876726079	0.00703033		ENSG00000211248
5	90711442	90711758	90711602	17	19	0	19.17817386	1.44E-06	ARRDC3	ENSG00000113369
5	90715240	90715458	90715324	8	10	4	2.109599125	0.0694668	ARRDC3	ENSG00000113369
5	90751214	90751426	90751320	8	8	0	8.630178238	0.00235436	ARRDC3	ENSG00000113369
5	91175601	91175915	91175758	9	14	4	2.876726079	0.01219		ENSG00000213731
5	91180115	91180345	91180230	13	14	8	1.598181155	0.124586		ENSG00000213731
5	92450210	92450413	92450311	9	9	3	2.397271733	0.0539397		ENSG00000213730
5	93038888	93039174	93039031	9	13	3	3.356180426	0.00805599		ENSG00000205434
5	93505122	93505409	93505265	14	16	2	5.433815927	0.000499302	FAM172A	ENSG00000113391
5	93728268	93728707	93728433	12	19	2	6.39272462	8.83E-05		ENSG00000218494
5	94211917	94212109	94211994	8	8	1	4.315089119	0.0127267	MCTP1	ENSG00000175471
5	94215394	94215650	94215547	15	18	2	6.073088389	0.000157975	MCTP1	ENSG00000175471
5	94452451	94452630	94452520	8	8	0	8.630178238	0.00235436	MCTP1	ENSG00000175471
5	94644925	94645153	94645039	9	11	2	3.835634772	0.00800699	MCTP1	ENSG00000175471
5	94916304	94916579	94916450	11	14	11	1.198635866	0.315918	TTC37	ENSG00000198677
5	95026059	95026286	95026176	8	9	0	9.589086931	0.00120187	RFESD	ENSG00000175449
5	95073896	95074252	95074074	10	15	5	2.557089848	0.0169197	RHOBTB3	ENSG00000164292
5	95079891	95080072	95079981	8	8	1	4.315089119	0.0127267	RHOBTB3	ENSG00000164292
5	95142462	95142816	95142590	8	13	6	1.917817386	0.0693353	GLRX	ENSG00000173221
5	95208211	95208763	95208577	39	63	8	6.818906262	9.24E-12	GLRX	ENSG00000173221
5	95220250	95220539	95220456	9	13	7	1.678090213	0.11195	GLRX	ENSG00000173221
5	95222736	95223087	95222974	10	15	3	3.835634772	0.00291691	GLRX	ENSG00000173221
5	95286211	95286511	95286361	13	14	0	14.3836304	4.17E-05	ELL2	ENSG00000118985
5	95336542	95336721	95336631	8	8	5	1.43836304	0.235762		ENSG00000213716
5	95437226	95437444	95437339	8	10	5	1.757999271	0.121253		ENSG00000207578
5	95455831	95456012	95455921	8	8	0	8.630178238	0.00235436		ENSG00000207578

5	95511063	95511364	95511214	13	14	2	4.794543465	0.00154571		ENSG00000206997
5	95706189	95706514	95706349	12	13	2	4.474907234	0.00269459	PCSK1	ENSG00000175426
5	95975666	95976046	95975845	9	16	1	8.150723891	0.000101217	CAST	ENSG00000153113
5	96169588	96170102	96169801	18	29	5	4.794543465	1.89E-05	ERAP1	ENSG00000164307
5	96295933	96296529	96296172	16	29	6	4.109608685	5.77E-05	LNPEP	ENSG00000113441
5	96297082	96297578	96297255	9	17	5	2.876726079	0.00703033	LNPEP	ENSG00000113441
5	96544716	96545124	96544849	14	21	4	4.219198249	0.000390041	RIOK2	ENSG00000058729
5	98138164	98138387	98138286	9	11	2	3.835634772	0.00800699	RGMB	ENSG00000174136
5	98203366	98203608	98203463	13	15	0	15.34253909	2.13E-05		ENSG00000211353
5	98210134	98210536	98210350	30	43	1	21.09599125	3.19E-12		ENSG00000211353
5	98293356	98293535	98293445	8	8	1	4.315089119	0.0127267	CHD1	ENSG00000153922
5	98813259	98813678	98813391	13	21	3	5.273997812	0.00011662		
5	99545501	99545979	99545749	44	61	5	9.908723162	2.32E-13		ENSG00000207077
5	99998601	99998927	99998764	11	15	1	7.671269544	0.000187863		ENSG00000207269
5	100001749	100002120	100001914	20	25	2	8.310542006	2.50E-06		ENSG00000207269
5	100243319	100243504	100243411	8	8	2	2.876726079	0.0381137	ST8SIA4	ENSG00000113532
5	100264024	100264203	100264062	8	8	5	1.43836304	0.235762	ST8SIA4	ENSG00000113532
5	100670501	100670748	100670575	8	10	6	1.506856518	0.188853		ENSG00000222929
5	100854382	100854778	100854530	15	21	0	21.09599125	3.76E-07		ENSG00000222929
5	100881412	100881734	100881575	22	26	1	12.94526736	1.86E-07		ENSG00000222929
5	101013956	101014172	101014045	9	10	0	10.54799562	0.000613541		ENSG00000222929
5	101027030	101027509	101027293	22	34	3	8.390451064	6.50E-08		ENSG00000222929
5	101040384	101040848	101040687	10	18	8	2.024362796	0.0334397		ENSG00000222929
5	101359293	101359546	101359433	12	13	5	2.237453617	0.038866		ENSG00000199786
5	101396123	101396433	101396278	8	14	1	7.191815198	0.00034761		ENSG00000199786
5	101587402	101587581	101587495	8	8	2	2.876726079	0.0381137	SLCO4C1	ENSG00000173930
5	102309620	102309907	102309763	10	12	4	2.493162602	0.0299057	PAM	ENSG00000145730
5	102377886	102378096	102377956	8	9	7	1.198635866	0.346278		ENSG00000175749
5	102483622	102483956	102483790	25	29	14	1.917817386	0.0161307	GIN1	ENSG00000145723
5	102621954	102622282	102622118	8	14	4	2.876726079	0.01219	C5orf30	ENSG00000181751
5	102711253	102711544	102711398	10	12	4	2.493162602	0.0299057	C5orf30	ENSG00000181751
5	102808030	102808357	102808181	14	17	9	1.726035648	0.0753664	NUDT12	ENSG00000112874
5	103680101	103680617	103680442	14	28	1	13.90417605	5.17E-08		ENSG00000209151
5	103904244	103904460	103904340	8	9	2	3.19636231	0.0229249		ENSG00000209193

5	105246601	105246920	105246771	15	19	8	2.130908207	0.0233014	ENSG00000201790
5	105457842	105458060	105457950	10	10	6	1.506856518	0.188853	ENSG00000201790
5	105605034	105605213	105605123	8	8	4	1.726035648	0.150596	ENSG00000209251
5	106820082	106820285	106820175	8	9	2	3.19636231	0.0229249	EFNA5 ENSG00000184349
5	106920990	106921169	106921064	8	8	4	1.726035648	0.150596	EFNA5 ENSG00000184349
5	106931838	106932274	106932056	17	28	0	27.8083521	3.40E-09	EFNA5 ENSG00000184349
5	106935683	106935947	106935827	9	12	6	1.78083043	0.0985525	EFNA5 ENSG00000184349
5	107906561	107906804	107906657	9	10	0	10.54799562	0.000613541	FBXL17 ENSG00000145743
5	108091843	108092085	108091964	8	11	4	2.301380863	0.0459276	FER ENSG00000151422
5	108112125	108112512	108112251	8	13	2	4.474907234	0.00269459	FER ENSG00000151422
5	108726347	108726574	108726418	8	9	0	9.589086931	0.00120187	PJA2 ENSG00000198961
5	108815200	108815381	108815290	8	8	1	4.315089119	0.0127267	PJA2 ENSG00000198961
5	108832321	108832588	108832454	8	9	3	2.397271733	0.0539397	PJA2 ENSG00000198961
5	108893532	108894006	108893829	15	24	2	7.990905775	4.56E-06	ENSG00000214794
5	109052425	109052650	109052513	8	8	9	0.863017824	0.627343	MAN2A1 ENSG00000112893
5	109054781	109055020	109054919	8	10	3	2.636998906	0.034203	MAN2A1 ENSG00000112893
5	109421742	109422049	109421901	8	12	7	1.558226626	0.152813	ENSG00000202512
5	110455582	110455997	110455847	13	20	4	4.027416511	0.000652226	WDR36 ENSG00000134987
5	110630071	110630391	110630216	24	28	1	13.90417605	5.17E-08	CAMK4 ENSG00000152495
5	110642405	110642736	110642562	11	14	3	3.595907599	0.00486913	CAMK4 ENSG00000152495
5	110835077	110835528	110835300	21	32	5	5.273997812	3.82E-06	STARD4 ENSG00000164211
5	110857968	110858816	110858365	170	234	4	45.06870857	1.84E-62	STARD4 ENSG00000164211
5	110914306	110914495	110914400	8	8	0	8.630178238	0.00235436	ENSG00000221310
5	111034601	111034785	111034667	8	9	1	4.794543465	0.00708517	ENSG00000209164
5	111044375	111044588	111044481	9	10	1	5.273997812	0.00391723	ENSG00000209164
5	111346610	111346868	111346743	8	12	1	6.232906505	0.00117736	C5orf13 ENSG00000134986
5	111843050	111843435	111843229	82	91	4	17.64391995	2.72E-22	EPB41L4A ENSG00000129595
5	112055379	112055588	112055504	11	12	2	4.155271003	0.0046638	APC ENSG00000134982
5	112322136	112322390	112322263	12	14	4	2.876726079	0.01219	DCP2 ENSG00000172795
5	112344547	112344886	112344772	8	13	1	6.712360851	0.000640982	DCP2 ENSG00000172795
5	112408404	112408763	112408561	10	14	4	2.876726079	0.01219	DCP2 ENSG00000172795
5	112531546	112532119	112531796	27	41	4	8.054833022	5.63E-09	MCC ENSG00000171444
5	112709210	112709479	112709316	8	8	1	4.315089119	0.0127267	MCC ENSG00000171444
5	112852014	112852251	112852140	9	10	4	2.109599125	0.0694668	MCC ENSG00000171444

5	113038744	113039162	113038919	31	45	7	5.513724985	4.52E-08	YTHDC2	ENSG00000047188
5	113210661	113210864	113210790	9	9	4	1.917817386	0.103282	YTHDC2	ENSG00000047188
5	113316701	113316969	113316822	8	10	3	2.636998906	0.034203		ENSG00000222706
5	113725529	113725708	113725620	8	8	2	2.876726079	0.0381137	KCNN2	ENSG00000080709
5	114288374	114288805	114288583	32	44	4	8.630178238	9.65E-10	TRIM36	ENSG00000152503
5	114396156	114396724	114396484	30	41	1	20.13708255	1.17E-11	TRIM36	ENSG00000152503
5	114432965	114433204	114433084	10	11	9	1.150690432	0.367789	TRIM36	ENSG00000152503
5	114729798	114730347	114730074	17	29	6	4.109608685	5.77E-05		ENSG00000177962
5	115029748	115030007	115029880	10	12	0	12.46581301	0.000159888	TICAM2	ENSG00000134970
5	115112626	115113028	115112805	38	47	1	23.01380863	2.36E-13		ENSG00000222598
5	115221634	115221926	115221780	9	11	3	2.876726079	0.0213797	AP3S1	ENSG00000177879
5	115768331	115768544	115768438	8	9	2	3.19636231	0.0229249	SEMA6A	ENSG00000092421
5	115855861	115856070	115855965	9	10	4	2.109599125	0.0694668	SEMA6A	ENSG00000092421
5	115882052	115882454	115882193	20	27	3	6.712360851	3.92E-06	SEMA6A	ENSG00000092421
5	115938363	115938552	115938442	8	9	5	1.598181155	0.170911	SEMA6A	ENSG00000092421
5	116098289	116098588	116098441	9	9	3	2.397271733	0.0539397	RPS17P2	ENSG00000197575
5	116311424	116311811	116311657	27	34	7	4.195225532	1.36E-05	RPS17P2	ENSG00000197575
5	116818397	116818707	116818552	11	14	2	4.794543465	0.00154571		ENSG00000182152
5	116850615	116850988	116850809	12	18	12	1.401481936	0.168368		ENSG00000182152
5	117357609	117357978	117357848	11	17	4	3.452071295	0.00292757		ENSG00000182152
5	117370847	117371109	117370978	11	14	4	2.876726079	0.01219		ENSG00000182152
5	117373591	117373899	117373745	9	12	5	2.077635502	0.0577144		ENSG00000182152
5	118163367	118163723	118163545	20	25	3	6.232906505	1.23E-05		ENSG00000197744
5	118351614	118351849	118351731	8	10	3	2.636998906	0.034203	DTWD2	ENSG00000169570
5	118352549	118352782	118352656	8	9	2	3.19636231	0.0229249	DTWD2	ENSG00000169570
5	118418908	118419211	118419059	24	25	2	8.310542006	2.50E-06		ENSG00000209207
5	118434171	118434427	118434299	8	10	4	2.109599125	0.0694668	DMXL1	ENSG00000172869
5	118434508	118434897	118434759	10	16	6	2.328778255	0.0221113	DMXL1	ENSG00000172869
5	118632892	118633239	118633065	18	23	5	3.835634772	0.000408054		ENSG00000222450
5	118687145	118687865	118687421	111	158	4	30.49329644	6.20E-41		ENSG00000222450
5	118687889	118688170	118688043	9	13	6	1.917817386	0.0693353		ENSG00000222450
5	118698590	118698893	118698741	10	15	6	2.191791298	0.0328001		ENSG00000222450
5	118751498	118751845	118751674	16	20	0	20.13708255	7.37E-07	TNFAIP8	ENSG00000145779
5	119011456	119011711	119011565	13	15	2	5.114179696	0.00088103	FAM170A	ENSG00000164334

5	121842664	121842923	121842793	12	14	8	1.598181155	0.124586		ENSG00000197462
5	121879790	121880018	121879907	10	11	6	1.643843474	0.137712		ENSG00000197462
5	122138725	122139031	122138884	10	13	3	3.356180426	0.00805599	SNX2	ENSG00000205302
5	122363670	122363854	122363785	8	8	6	1.232882605	0.333038		ENSG00000208997
5	122484257	122484513	122484385	9	9	1	4.794543465	0.00708517	PRDM6	ENSG00000061455
5	122786691	122787196	122787050	10	21	3	5.273997812	0.00011662	CEP120	ENSG00000168944
5	123377568	123377855	123377692	10	13	1	6.712360851	0.000640982		ENSG00000214750
5	123491114	123491435	123491277	9	12	3	3.116453252	0.0131971		ENSG00000214750
5	123496331	123496775	123496542	24	36	3	8.869905411	1.98E-08		ENSG00000214750
5	123605974	123606409	123606230	12	22	1	11.02744997	2.36E-06		ENSG00000214750
5	124009988	124010444	124010203	43	58	4	11.31512258	2.17E-13	ZNF608	ENSG00000168916
5	124019577	124019944	124019745	13	18	9	1.821926517	0.0548428	ZNF608	ENSG00000168916
5	124170037	124170293	124170165	11	12	6	1.78083043	0.0985525		ENSG00000214748
5	124407401	124407623	124407512	8	9	1	4.794543465	0.00708517		ENSG00000214748
5	124413318	124413512	124413415	9	9	10	0.871735176	0.624623		ENSG00000214748
5	124641276	124641490	124641378	9	11	1	5.753452158	0.00215302		ENSG00000208973
5	124774697	124774953	124774825	9	12	3	3.116453252	0.0131971		ENSG00000208973
5	124845597	124845975	124845796	10	16	4	3.260289556	0.00475414		ENSG00000208973
5	125468532	125468764	125468626	8	8	6	1.232882605	0.333038	GRAMD3	ENSG00000155324
5	125472068	125472387	125472227	22	27	1	13.4247217	9.80E-08	GRAMD3	ENSG00000155324
5	125729110	125729367	125729238	10	10	0	10.54799562	0.000613541	GRAMD3	ENSG00000155324
5	125731938	125732430	125732184	22	35	9	3.452071295	5.81E-05	GRAMD3	ENSG00000155324
5	125786698	125787033	125786866	12	15	8	1.704726565	0.0916153	GRAMD3	ENSG00000155324
5	125856519	125856810	125856664	12	13	2	4.474907234	0.00269459		ENSG00000200347
5	125879711	125880100	125879875	13	20	6	2.876726079	0.00408924		ENSG00000200347
5	125880522	125880751	125880636	10	11	6	1.643843474	0.137712		ENSG00000200347
5	125883287	125883493	125883411	8	10	3	2.636998906	0.034203		ENSG00000200347
5	125900129	125900375	125900243	9	11	2	3.835634772	0.00800699		ENSG00000200347
5	125902705	125903025	125902865	13	16	8	1.811271976	0.0663685		ENSG00000200347
5	125957571	125957974	125957843	8	16	5	2.716907964	0.0109645	ALDH7A1	ENSG00000164904
5	125958735	125959074	125958897	9	12	11	1.038817751	0.460341	ALDH7A1	ENSG00000164904
5	126040801	126041181	126041023	23	27	8	2.98327149	0.000913494		ENSG00000213630
5	126140081	126140478	126140260	12	19	11	1.598181155	0.0927758	LMNB1	ENSG00000113368
5	126325347	126325538	126325494	8	8	2	2.876726079	0.0381137	3-Mar	ENSG00000173926

5	126405838	126406115	126405986	8	11	2	3.835634772	0.00800699	3-Mar	ENSG00000173926
5	126475915	126476295	126476087	17	24	2	7.990905775	4.56E-06		ENSG00000214743
5	126653478	126653692	126653585	10	11	3	2.876726079	0.0213797	MEGF10	ENSG00000145794
5	126925813	126926103	126925941	8	9	2	3.19636231	0.0229249	PRRC1	ENSG00000164244
5	126927831	126928046	126927938	9	10	4	2.109599125	0.0694668	PRRC1	ENSG00000164244
5	126988408	126988597	126988502	8	9	1	4.794543465	0.00708517	CTXN3	ENSG00000205279
5	127298479	127298858	127298679	16	23	6	3.287686948	0.00104919	SLC12A2	ENSG00000064651
5	127379571	127379817	127379705	8	8	3	2.157544559	0.0836802	SLC12A2	ENSG00000064651
5	127485382	127485613	127485561	9	12	7	1.558226626	0.152813	SLC12A2	ENSG00000064651
5	127517594	127517908	127517742	15	20	0	20.13708255	7.37E-07	SLC12A2	ENSG00000064651
5	127564696	127565093	127564956	12	19	6	2.739739123	0.00632909	SLC12A2	ENSG00000064651
5	128490029	128490429	128490261	14	21	7	2.636998906	0.00562102	ISOC1	ENSG00000066583
5	128541148	128541548	128541349	39	49	11	3.995452888	5.19E-07	ISOC1	ENSG00000066583
5	129562543	129562816	129562679	9	11	3	2.876726079	0.0213797		ENSG00000199455
5	129859798	129860143	129859974	9	13	4	2.684944341	0.01921		ENSG00000199455
5	130534356	130534551	130534453	8	8	4	1.726035648	0.150596	LYRM7	ENSG00000186687
5	130998961	130999204	130999041	8	11	5	1.917817386	0.0843804	RAPGEF6	ENSG00000158987
5	131105491	131105671	131105553	8	8	1	4.315089119	0.0127267	FNIP1	ENSG00000217128
5	131457498	131457805	131457658	11	14	0	14.3836304	4.17E-05	CSF2	ENSG00000164400
5	131466816	131467031	131466923	8	10	0	10.54799562	0.000613541	CSF2	ENSG00000164400
5	131650927	131651223	131651075	11	12	4	2.493162602	0.0299057		ENSG00000196303
5	131742254	131742448	131742353	10	10	8	1.171999514	0.35773	SLC22A5	ENSG00000197375
5	131753274	131753697	131753444	12	20	4	4.027416511	0.000652226	SLC22A5	ENSG00000197375
5	131783179	131783643	131783358	10	18	4	3.643853034	0.00178791		ENSG00000197536
5	131814183	131814449	131814319	10	12	1	6.232906505	0.00117736		ENSG00000202533
5	131859979	131860175	131860077	8	9	4	1.917817386	0.103282	IRF1	ENSG00000125347
5	131890411	131890746	131890578	9	11	3	2.876726079	0.0213797	IL5	ENSG00000113525
5	132101308	132101530	132101393	9	10	4	2.109599125	0.0694668	KIF3A	ENSG00000131437
5	132163023	132163366	132163194	11	16	5	2.716907964	0.0109645	ANKRD43	ENSG00000198944
5	132208520	132208891	132208750	11	17	7	2.157544559	0.0276499		ENSG00000201274
5	132327568	132327782	132327675	9	10	5	1.757999271	0.121253	AFF4	ENSG00000072364
5	132404234	132404485	132404314	8	10	5	1.757999271	0.121253	HSPA4	ENSG00000170606
5	132404818	132405115	132404966	10	13	0	13.4247217	8.16E-05	HSPA4	ENSG00000170606
5	132413207	132413507	132413353	11	15	1	7.671269544	0.000187863	HSPA4	ENSG00000170606

5	132415431	132415611	132415536	9	9	5	1.598181155	0.170911	HSPA4	ENSG00000170606
5	132416153	132416627	132416290	15	24	7	2.996589666	0.00154378	HSPA4	ENSG00000170606
5	132604245	132604499	132604372	9	12	1	6.232906505	0.00117736		ENSG00000221287
5	132609230	132609455	132609359	12	13	3	3.356180426	0.00805599		ENSG00000221287
5	132785060	132785270	132785214	8	9	0	9.589086931	0.00120187		ENSG00000221287
5	132787319	132787641	132787480	29	32	3	7.910996718	2.12E-07		ENSG00000221287
5	132916491	132916930	132916622	10	17	4	3.452071295	0.00292757	FSTL4	ENSG00000053108
5	133211949	133212178	133212063	8	9	3	2.397271733	0.0539397		ENSG00000208898
5	133367025	133367222	133367131	9	9	7	1.198635866	0.346278	VDAC1	ENSG00000213585
5	133452603	133452868	133452735	9	13	2	4.474907234	0.00269459	TCF7	ENSG00000081059
5	133539660	133539996	133539828	10	15	4	3.068507818	0.0076507	SKP1	ENSG00000113558
5	133653177	133653358	133653267	9	9	7	1.198635866	0.346278	PPP2CA	ENSG00000113575
5	133709777	133710007	133709883	8	8	1	4.315089119	0.0127267	CDKL3	ENSG00000006837
5	133734324	133734613	133734468	8	12	7	1.558226626	0.152813	UBE2B	ENSG00000119048
5	133850797	133851046	133850909	9	11	3	2.876726079	0.0213797		ENSG00000207222
5	133874460	133874746	133874587	8	8	0	8.630178238	0.00235436		ENSG00000208888
5	134122153	134122500	134122326	10	16	10	1.481949798	0.147733	DDX46	ENSG00000145833
5	134288001	134288336	134288168	31	31	54	0.557910512	0.996394		ENSG00000208861
5	134290486	134290817	134290651	13	14	22	0.625375235	0.925815		ENSG00000208849
5	134396966	134397270	134397118	10	11	4	2.301380863	0.0459276	PITX1	ENSG00000069011
5	134700690	134701129	134700841	30	39	2	12.78544924	4.53E-10	H2AFY	ENSG00000113648
5	134701199	134701417	134701318	10	10	0	10.54799562	0.000613541	H2AFY	ENSG00000113648
5	134728351	134728604	134728477	8	10	1	5.273997812	0.00391723	H2AFY	ENSG00000113648
5	134764465	134764831	134764672	8	14	1	7.191815198	0.00034761	H2AFY	ENSG00000113648
5	134767438	134767622	134767553	8	8	0	8.630178238	0.00235436	H2AFY	ENSG00000113648
5	134826004	134826214	134826109	9	9	5	1.598181155	0.170911	TIFAB	ENSG00000214707
5	134855606	134855857	134855700	8	10	4	2.109599125	0.0694668	TIFAB	ENSG00000214707
5	135047269	135047453	135047427	9	9	2	3.19636231	0.0229249	CXCL14	ENSG00000145824
5	135193661	135193945	135193822	8	9	11	0.799090578	0.702688		ENSG00000145832
5	135221580	135221798	135221689	9	10	4	2.109599125	0.0694668		ENSG00000145832
5	135397432	135397727	135397603	16	18	1	9.109632584	2.91E-05	TGFBI	ENSG00000120708
5	135471669	135472502	135472029	53	121	5	19.49781009	1.77E-29	SMAD5	ENSG00000113658
5	135495771	135496057	135495907	12	14	7	1.797953799	0.0806593	SMAD5	ENSG00000113658
5	135496194	135496431	135496346	9	11	2	3.835634772	0.00800699	SMAD5	ENSG00000113658

5	135497123	135497327	135497266	8	9	5	1.598181155	0.170911	SMAD5	ENSG00000113658
5	135728767	135728982	135728868	9	9	11	0.799090578	0.702688	TRPC7	ENSG00000069018
5	135811297	135811518	135811420	9	11	0	11.50690432	0.000313206		ENSG00000213568
5	136445667	136445850	136445754	8	8	0	8.630178238	0.00235436		ENSG00000222285
5	136684043	136684418	136684177	8	13	2	4.474907234	0.00269459	SPOCK1	ENSG00000152377
5	136993249	136993445	136993346	9	11	3	2.876726079	0.0213797		ENSG00000216009
5	137197069	137197312	137197186	11	13	6	1.917817386	0.0693353	NPY6R	ENSG00000159279
5	137399578	137399855	137399730	10	13	3	3.356180426	0.00805599	FAM13B1	ENSG00000031003
5	137432515	137432704	137432636	8	10	1	5.273997812	0.00391723		ENSG00000222924
5	137542532	137542797	137542622	10	13	3	3.356180426	0.00805599	KIF20A	ENSG00000112984
5	137586511	137586700	137586605	8	8	3	2.157544559	0.0836802	CDC23	ENSG00000094880
5	137669405	137669807	137669599	35	46	4	9.013741715	2.96E-10	CDC25C	ENSG00000158402
5	137695133	137695379	137695234	9	12	3	3.116453252	0.0131971	CDC25C	ENSG00000158402
5	137827862	137828053	137827933	8	9	7	1.198635866	0.346278	EGR1	ENSG00000120738
5	137939306	137939684	137939535	10	16	3	4.075361945	0.00173346	HSPA9	ENSG00000113013
5	137973053	137973390	137973221	16	22	5	3.675816657	0.000667901		ENSG00000208810
5	137973516	137973750	137973633	8	10	0	10.54799562	0.000613541		ENSG00000208810
5	138088690	138089141	138088909	16	29	4	5.753452158	5.31E-06	CTNNA1	ENSG00000044115
5	138116547	138116842	138116694	10	14	3	3.595907599	0.00486913	CTNNA1	ENSG00000044115
5	138234263	138234655	138234428	18	25	3	6.232906505	1.23E-05	LRRTM2	ENSG00000146006
5	138235185	138235412	138235284	8	9	3	2.397271733	0.0539397	LRRTM2	ENSG00000146006
5	138239277	138239459	138239352	9	9	3	2.397271733	0.0539397	LRRTM2	ENSG00000146006
5	138428252	138428485	138428369	9	12	7	1.558226626	0.152813		ENSG00000201532
5	138464533	138464800	138464666	8	11	4	2.301380863	0.0459276		ENSG00000201532
5	138511977	138512345	138512075	14	19	3	4.794543465	0.000349205	SIL1	ENSG00000120725
5	138542504	138542887	138542739	10	15	2	5.114179696	0.00088103	SIL1	ENSG00000120725
5	138595619	138596234	138595979	118	157	0	151.5075735	7.27E-47		ENSG00000208799
5	138626245	138626586	138626428	10	15	5	2.557089848	0.0169197	MATR3	ENSG00000015479
5	138640153	138640351	138640252	8	9	3	2.397271733	0.0539397		ENSG00000200959
5	138657984	138658512	138658336	8	19	2	6.39272462	8.83E-05	MATR3	ENSG00000015479
5	138767447	138767679	138767540	8	9	9	0.958908693	0.536911		ENSG00000170469
5	138921997	138922305	138922150	9	12	2	4.155271003	0.0046638	UBE2D2	ENSG00000131508
5	139030491	139030670	139030576	8	9	1	4.794543465	0.00708517	CXXC5	ENSG00000171604
5	139098892	139099282	139099070	24	31	3	7.671269544	3.82E-07		ENSG00000200756

5	139147920	139148243	139148094	14	18	2	6.073088389	0.000157975	PSD2	ENSG00000146005
5	139662442	139663022	139662732	12	26	8	2.876726079	0.00140919	PFDN1	ENSG00000113068
5	139711619	139711827	139711749	8	8	3	2.157544559	0.0836802	HBEGF	ENSG00000113070
5	139917071	139917571	139917321	38	53	4	10.35621389	4.48E-12	SRA1	ENSG00000213523
5	140050875	140051119	140050960	9	13	1	6.712360851	0.000640982	HARS	ENSG00000170445
5	140051198	140051433	140051301	8	10	7	1.318499453	0.269217		ENSG00000112855
5	140070703	140070921	140070820	8	9	5	1.598181155	0.170911		ENSG00000199990
5	140070960	140071335	140071139	9	16	6	2.328778255	0.0221113		ENSG00000199990
5	140078428	140078922	140078607	10	21	12	1.622768557	0.076896		ENSG00000202111
5	140085790	140086069	140085929	8	13	4	2.684944341	0.01921		ENSG00000202515
5	140137814	140138250	140137993	23	32	3	7.910996718	2.12E-07	PCDHA1	ENSG00000204970
5	140187556	140187922	140187772	11	15	1	7.671269544	0.000187863	PCDHA6	ENSG00000204964
5	140362848	140363061	140362954	9	9	0	9.589086931	0.00120187	PCDHA10	ENSG00000081842
5	140399900	140400144	140399997	8	10	6	1.506856518	0.188853	PCDHB1	ENSG00000171815
5	140400757	140401252	140401002	13	22	15	1.378431246	0.157106	PCDHB1	ENSG00000171815
5	140444282	140444593	140444429	10	12	6	1.78083043	0.0985525	PCDHB2	ENSG00000112852
5	140510372	140510625	140510498	8	10	2	3.515998541	0.0136204	PCDHB6	ENSG00000113211
5	140835392	140835960	140835604	8	22	4	4.410979988	0.000231863	PCDHGC4	ENSG00000081853
5	140884521	140884792	140884656	9	13	1	6.712360851	0.000640982	PCDHGC4	ENSG00000081853
5	140923944	140924229	140924086	12	15	2	5.114179696	0.00088103	DIAPH1	ENSG00000131504
5	140951822	140952095	140951958	11	11	1	5.753452158	0.00215302	DIAPH1	ENSG00000131504
5	140977911	140978146	140978028	9	11	3	2.876726079	0.0213797	DIAPH1	ENSG00000131504
5	141060019	141060224	141060121	8	8	1	4.315089119	0.0127267	ARAP3	ENSG00000120318
5	141073750	141074158	141073910	21	28	5	4.63472535	3.19E-05	ARAP3	ENSG00000120318
5	141093878	141094065	141094019	8	8	1	4.315089119	0.0127267	ARAP3	ENSG00000120318
5	141181282	141181702	141181492	20	29	3	7.191815198	1.23E-06	PCDH1	ENSG00000156453
5	141225803	141226107	141225962	15	18	2	6.073088389	0.000157975	PCDH1	ENSG00000156453
5	141320659	141320876	141320770	8	9	5	1.598181155	0.170911	PCDH12	ENSG00000113555
5	141363213	141363399	141363335	8	8	0	8.630178238	0.00235436	GNPDA1	ENSG00000113552
5	141363690	141364439	141364038	14	38	6	5.34249129	5.40E-07	GNPDA1	ENSG00000113552
5	141374883	141375164	141374994	8	12	2	4.155271003	0.0046638	GNPDA1	ENSG00000113552
5	141722536	141722750	141722643	8	9	2	3.19636231	0.0229249	SPRY4	ENSG00000187678
5	141763394	141763676	141763535	15	17	3	4.315089119	0.00102271	SPRY4	ENSG00000187678
5	141867418	141867736	141867585	11	14	2	4.794543465	0.00154571		ENSG00000222534

5	141908591	141908905	141908742	14	15	7	1.917817386	0.0572317		ENSG00000222534
5	141928846	141929080	141929012	13	16	0	16.30144778	1.09E-05		ENSG00000219227
5	142100143	142100535	142100363	15	22	6	3.150699991	0.00166398	ARHGAP26	ENSG00000145819
5	142130082	142130266	142130174	8	9	0	9.589086931	0.00120187	ARHGAP26	ENSG00000145819
5	142151831	142152107	142151969	10	12	4	2.493162602	0.0299057	ARHGAP26	ENSG00000145819
5	142264300	142264482	142264452	8	8	1	4.315089119	0.0127267	ARHGAP26	ENSG00000145819
5	142434271	142434867	142434549	68	100	5	16.14162967	9.63E-24	ARHGAP26	ENSG00000145819
5	142502695	142503143	142502968	22	31	10	2.789552562	0.000751584	NR3C1	ENSG00000113580
5	142542402	142542629	142542515	9	10	0	10.54799562	0.000613541	NR3C1	ENSG00000113580
5	142542863	142543158	142543037	11	14	8	1.598181155	0.124586	NR3C1	ENSG00000113580
5	142560463	142560984	142560701	33	48	1	23.49326298	1.23E-13	NR3C1	ENSG00000113580
5	142582599	142582946	142582771	14	18	11	1.518272097	0.122037	NR3C1	ENSG00000113580
5	142603801	142604014	142603899	8	9	2	3.19636231	0.0229249	NR3C1	ENSG00000113580
5	142605742	142606029	142605885	11	15	5	2.557089848	0.0169197	NR3C1	ENSG00000113580
5	142715546	142715808	142715703	10	12	6	1.78083043	0.0985525	NR3C1	ENSG00000113580
5	142954630	142955512	142954833	30	91	13	6.301399983	2.06E-15	NR3C1	ENSG00000113580
5	142956000	142956360	142956195	17	22	3	5.513724985	6.69E-05	NR3C1	ENSG00000113580
5	143019486	143019685	143019596	8	9	6	1.369869562	0.253675	HMHB1	ENSG00000158497
5	143142564	143142779	143142709	10	10	4	2.109599125	0.0694668	HMHB1	ENSG00000158497
5	143337724	143337983	143337819	9	12	3	3.116453252	0.0131971		ENSG00000208708
5	143693251	143693634	143693455	27	36	0	35.47962164	1.57E-11	KCTD16	ENSG00000183775
5	143780654	143781087	143780908	13	22	1	11.02744997	2.36E-06		ENSG00000213488
5	143941911	143942189	143942050	11	14	1	7.191815198	0.00034761		ENSG00000201423
5	144607230	144607582	144607406	14	18	1	9.109632584	2.91E-05		ENSG00000213487
5	144891233	144891414	144891323	8	8	3	2.157544559	0.0836802		ENSG00000213487
5	145193783	145194128	145193956	8	10	3	2.636998906	0.034203	PRELID2	ENSG00000186314
5	145425913	145426174	145426040	10	10	0	10.54799562	0.000613541	PLAC8L1	ENSG00000173261
5	145431428	145431803	145431646	26	33	2	10.86763185	1.89E-08	PLAC8L1	ENSG00000173261
5	145542219	145542685	145542386	12	23	11	1.917817386	0.0274129	LARS	ENSG00000133706
5	145562763	145563525	145563346	10	26	20	1.232882605	0.232568	RBM27	ENSG00000091009
5	145652399	145652721	145652560	17	22	0	22.05489994	1.92E-07	POU4F3	ENSG00000091010
5	145653061	145653292	145653159	8	10	1	5.273997812	0.00391723	POU4F3	ENSG00000091010
5	145806637	145807014	145806790	12	17	9	1.726035648	0.0753664	TCERG1	ENSG00000113649
5	145925625	145925827	145925726	9	10	2	3.515998541	0.0136204		ENSG00000208688

5	146780499	146780750	146780634	9	11	2	3.835634772	0.00800699	DPYSL3	ENSG00000113657
5	147050556	147050756	147050656	8	9	2	3.19636231	0.0229249	JAKMIP2	ENSG00000176049
5	147309022	147309201	147309032	8	8	0	8.630178238	0.00235436	C5orf46	ENSG00000178776
5	147505783	147506055	147505919	11	14	1	7.191815198	0.00034761		ENSG00000196800
5	147743534	147743817	147743675	9	12	2	4.155271003	0.0046638	FBXO38	ENSG00000145868
5	147758159	147758627	147758448	9	17	5	2.876726079	0.00703033	FBXO38	ENSG00000145868
5	147881930	147882318	147882139	32	38	0	37.39743903	4.09E-12	HTR4	ENSG00000164270
5	148180755	148180967	148180804	8	10	4	2.109599125	0.0694668	ADRB2	ENSG00000169252
5	148185722	148186293	148186019	37	58	2	18.85853763	2.68E-15	ADRB2	ENSG00000169252
5	148489019	148489364	148489191	11	14	8	1.598181155	0.124586	ABLIM3	ENSG00000173210
5	148494358	148494573	148494460	8	9	0	9.589086931	0.00120187	ABLIM3	ENSG00000173210
5	148644467	148644669	148644571	9	10	1	5.273997812	0.00391723	AFAP1L1	ENSG00000157510
5	148684787	148685287	148685066	12	24	5	3.995452888	0.00024777	GRPEL2	ENSG00000164284
5	148705055	148705268	148705161	9	11	9	1.150690432	0.367789	GRPEL2	ENSG00000164284
5	148781839	148782023	148781879	8	9	3	2.397271733	0.0539397		ENSG00000208035
5	148788736	148789057	148788896	9	13	0	13.4247217	8.16E-05		ENSG00000208035
5	148846151	148846367	148846259	8	9	0	9.589086931	0.00120187		ENSG00000207700
5	148853146	148853347	148853246	9	9	5	1.598181155	0.170911		ENSG00000214490
5	148906705	148907086	148906932	13	19	4	3.835634772	0.00108365		ENSG00000214490
5	148909319	148909680	148909441	11	16	7	2.037680973	0.0400399	CSNK1A1	ENSG00000113712
5	148910271	148910488	148910379	8	10	0	10.54799562	0.000613541	CSNK1A1	ENSG00000113712
5	148911395	148911644	148911519	8	10	5	1.757999271	0.121253	CSNK1A1	ENSG00000113712
5	149124803	149125194	149124982	29	39	0	38.35634772	2.09E-12	PPARGC1B	ENSG00000155846
5	149188312	149188533	149188422	8	9	8	1.065454103	0.442605	PPARGC1B	ENSG00000155846
5	149240730	149241209	149241048	22	29	0	28.76726079	1.74E-09		ENSG00000200334
5	149275509	149275694	149275617	9	9	3	2.397271733	0.0539397		ENSG00000200334
5	149487754	149488470	149488128	30	54	5	8.789996353	1.47E-11	CSF1R	ENSG00000182578
5	149489728	149490024	149489863	14	17	5	2.876726079	0.00703033	CSF1R	ENSG00000182578
5	149560670	149560849	149560745	8	8	2	2.876726079	0.0381137	SLC6A7	ENSG00000011083
5	149678589	149678768	149678685	8	9	0	9.589086931	0.00120187	ARSI	ENSG00000183876
5	149703904	149704321	149704144	17	24	2	7.990905775	4.56E-06	TCOF1	ENSG00000070814
5	149710276	149710500	149710374	8	11	5	1.917817386	0.0843804	TCOF1	ENSG00000070814
5	149809272	149809487	149809379	8	9	5	1.598181155	0.170911	RPS14	ENSG00000164587
5	149809576	149809975	149809797	11	18	10	1.656296833	0.0841786	RPS14	ENSG00000164587

5	149846373	149846712	149846542	8	12	1	6.232906505	0.00117736	NDST1	ENSG00000070614
5	149904493	149904726	149904617	9	10	2	3.515998541	0.0136204		ENSG00000208629
5	150138203	150138454	150138328	8	10	3	2.636998906	0.034203		ENSG00000181368
5	150143394	150143587	150143490	9	9	2	3.19636231	0.0229249		ENSG00000181368
5	150150082	150150456	150150309	11	15	6	2.191791298	0.0328001		ENSG00000181368
5	150524625	150524882	150524758	10	12	4	2.493162602	0.0299057	ANXA6	ENSG00000197043
5	150562522	150562881	150562737	20	25	2	8.310542006	2.50E-06	CCDC69	ENSG00000198624
5	150583840	150584025	150583932	9	9	0	9.589086931	0.00120187	CCDC69	ENSG00000198624
5	150623784	150624064	150623924	15	16	2	5.433815927	0.000499302	GM2A	ENSG00000196743
5	150634508	150634808	150634658	11	13	3	3.356180426	0.00805599	GM2A	ENSG00000196743
5	150647895	150648271	150648153	9	13	2	4.474907234	0.00269459	SLC36A3	ENSG00000186334
5	150731646	150731833	150731773	8	8	3	2.157544559	0.0836802	SLC36A2	ENSG00000186335
5	150930299	150930567	150930433	14	16	4	3.260289556	0.00475414	FAT2	ENSG00000086570
5	150975257	150975464	150975360	8	9	0	9.589086931	0.00120187	FAT2	ENSG00000086570
5	150977834	150978070	150977952	11	12	9	1.246581301	0.295061	FAT2	ENSG00000086570
5	151284362	151284562	151284466	8	8	3	2.157544559	0.0836802	GLRA1	ENSG00000145888
5	151578457	151578701	151578579	9	11	5	1.917817386	0.0843804	NMUR2	ENSG00000132911
5	151589897	151590182	151590039	14	16	1	8.150723891	0.000101217	NMUR2	ENSG00000132911
5	151762808	151762997	151762902	8	8	0	8.630178238	0.00235436	NMUR2	ENSG00000132911
5	152171715	152172271	152171903	94	124	6	17.12336952	2.85E-29	NMUR2	ENSG00000132911
5	152287216	152287485	152287350	9	11	1	5.753452158	0.00215302		
5	153251433	153251737	153251585	9	10	1	5.273997812	0.00391723		ENSG00000208592
5	153301046	153301368	153301204	8	12	3	3.116453252	0.0131971	FAM114A2	ENSG00000055147
5	153634542	153634751	153634591	8	8	3	2.157544559	0.0836802		ENSG00000221070
5	153656610	153656882	153656754	11	12	7	1.558226626	0.152813		ENSG00000221070
5	153755623	153755819	153755682	8	9	1	4.794543465	0.00708517		ENSG00000216873
5	153770324	153770557	153770450	11	12	0	12.46581301	0.000159888	GALNT10	ENSG00000164574
5	153943673	153944103	153943775	12	20	5	3.356180426	0.0017534		ENSG00000221552
5	154060937	154061230	154061083	9	12	8	1.385090334	0.219216		ENSG00000208575
5	154169113	154169475	154169311	13	18	0	18.21926517	2.83E-06	C5orf4	ENSG00000170271
5	154204670	154205103	154204849	15	25	7	3.116453252	0.000988074	C5orf4	ENSG00000170271
5	154217994	154218448	154218169	12	21	3	5.273997812	0.00011662	CNOT8	ENSG00000155508
5	154237750	154238107	154237932	30	35	4	6.90414259	1.81E-07	CNOT8	ENSG00000155508
5	154409667	154409892	154409829	8	10	3	2.636998906	0.034203		ENSG00000221131

5	154445440	154445707	154445573	9	11	0	11.50690432	0.000313206		ENSG00000221131
5	154944347	154944674	154944513	19	22	0	22.05489994	1.92E-07		ENSG00000208570
5	155114213	155114392	155114255	8	8	2	2.876726079	0.0381137		ENSG00000200275
5	156386696	156386925	156386790	9	9	1	4.794543465	0.00708517	HAVCR1	ENSG00000113249
5	156510647	156510842	156510744	8	8	2	2.876726079	0.0381137	MED7	ENSG00000155868
5	156824119	156824410	156824264	15	18	1	9.109632584	2.91E-05		ENSG00000172548
5	156971787	156972121	156971945	11	16	1	8.150723891	0.000101217		ENSG00000208540
5	157091211	157091436	157091323	8	9	4	1.917817386	0.103282	THG1L	ENSG00000113272
5	157102442	157102663	157102552	10	13	0	13.4247217	8.16E-05	LSM11	ENSG00000155858
5	157308461	157308641	157308551	8	9	4	1.917817386	0.103282		ENSG00000214374
5	157711607	157711903	157711740	10	12	1	6.232906505	0.00117736		ENSG00000213414
5	157954515	157954857	157954687	12	16	5	2.716907964	0.0109645		ENSG00000212796
5	158055145	158055333	158055257	9	10	4	2.109599125	0.0694668		ENSG00000212796
5	158061066	158061329	158061176	11	13	2	4.474907234	0.00269459		ENSG00000212796
5	158459149	158459353	158459213	9	9	3	2.397271733	0.0539397	EBF1	ENSG00000164330
5	158462510	158462714	158462669	9	9	2	3.19636231	0.0229249	EBF1	ENSG00000164330
5	158535226	158535449	158535337	8	11	5	1.917817386	0.0843804	RNF145	ENSG00000145860
5	158701521	158701781	158701642	15	16	0	16.30144778	1.09E-05	IL12B	ENSG00000113302
5	158870001	158870250	158870103	9	11	6	1.643843474	0.137712	IL12B	ENSG00000113302
5	159160427	159160679	159160564	8	11	1	5.753452158	0.00215302	ADRA1B	ENSG00000170214
5	159424863	159425166	159425009	10	14	0	14.3836304	4.17E-05	PWWP2A	ENSG00000170234
5	159564770	159565170	159564991	12	20	1	10.06854128	8.32E-06	FABP6	ENSG00000170231
5	159675590	159675836	159675724	8	10	0	10.54799562	0.000613541	CCNJL	ENSG00000135083
5	159694900	159695120	159695010	10	10	0	10.54799562	0.000613541	CCNJL	ENSG00000135083
5	159703547	159703817	159703682	8	12	5	2.077635502	0.0577144	CCNJL	ENSG00000135083
5	159704877	159705228	159705052	13	17	2	5.753452158	0.000281509	CCNJL	ENSG00000135083
5	159778581	159778912	159778753	11	15	1	7.671269544	0.000187863	SLU7	ENSG00000164609
5	159798055	159798241	159798148	8	8	2	2.876726079	0.0381137	PTTG2	ENSG00000164611
5	159868590	159868820	159868696	8	10	4	2.109599125	0.0694668		ENSG00000207936
5	159993525	159993719	159993592	9	9	1	4.794543465	0.00708517	ATP10B	ENSG00000118322
5	162796896	162797778	162797518	76	144	4	27.8083521	5.30E-37	CCNG1	ENSG00000113328
5	162819449	162819687	162819555	9	11	4	2.301380863	0.0459276	NUDCD2	ENSG00000170584
5	162827328	162827550	162827439	8	8	2	2.876726079	0.0381137	HMMR	ENSG00000072571
5	162868886	162869311	162869061	31	40	7	4.914407052	6.35E-07	MAT2B	ENSG00000038274

5	163479341	163479987	163479648	107	157	2	50.5025245	2.25E-43	ENSG00000208477
5	164328174	164328423	164328274	11	12	0	12.46581301	0.000159888	ENSG00000206845
5	167082949	167083146	167083047	10	10	3	2.636998906	0.034203	ENSG00000221741
5	167445922	167446165	167446043	9	11	7	1.43836304	0.204844	ENSG00000208456
5	167567413	167567593	167567493	8	8	1	4.315089119	0.0127267	WWC1 ENSG00000113645
5	167648032	167648219	167648083	8	8	4	1.726035648	0.150596	WWC1 ENSG00000113645
5	167674423	167674854	167674675	9	15	4	3.068507818	0.0076507	WWC1 ENSG00000113645
5	167808812	167809179	167808972	9	13	3	3.356180426	0.00805599	RARS ENSG00000113643
5	167845709	167845970	167845860	9	12	6	1.78083043	0.0985525	RARS ENSG00000113643
5	167846016	167846234	167846065	8	10	5	1.757999271	0.121253	RARS ENSG00000113643
5	167851934	167852255	167852094	11	15	2	5.114179696	0.00088103	RARS ENSG00000113643
5	167959939	167960340	167960165	10	16	9	1.630144778	0.102169	PANK3 ENSG00000120137
5	168017961	168018543	168018328	23	42	7	5.154134225	2.23E-07	PANK3 ENSG00000120137
5	168056910	168057275	168057089	10	16	11	1.358453982	0.20248	ENSG00000207739
5	168662131	168662310	168662220	8	8	4	1.726035648	0.150596	SLIT3 ENSG00000184347
5	168715754	168716009	168715881	9	11	1	5.753452158	0.00215302	SLIT3 ENSG00000184347
5	169191028	169191340	169191199	8	10	2	3.515998541	0.0136204	ENSG00000204767
5	169202489	169202718	169202603	8	8	2	2.876726079	0.0381137	ENSG00000204767
5	169340130	169340362	169340227	8	10	5	1.757999271	0.121253	ENSG00000204767
5	169377393	169377695	169377517	9	11	6	1.643843474	0.137712	ENSG00000204767
5	169460022	169460516	169460337	9	18	8	2.024362796	0.0334397	FOXI1 ENSG00000168269
5	169532932	169533111	169533059	8	8	4	1.726035648	0.150596	ENSG00000203776
5	169627381	169627761	169627584	9	15	6	2.191791298	0.0328001	ENSG00000198424
5	169633409	169633700	169633575	10	12	2	4.155271003	0.0046638	ENSG00000198424
5	169788617	169789022	169788843	18	23	0	23.01380863	9.81E-08	KCNMB1 ENSG00000145936
5	169802469	169802680	169802537	10	10	11	0.878999635	0.622439	KCNMB1 ENSG00000145936
5	169997874	169998149	169998035	8	10	3	2.636998906	0.034203	KCNIP1 ENSG00000182132
5	170080063	170080253	170080158	8	9	3	2.397271733	0.0539397	GABRP ENSG00000094755
5	170109450	170109670	170109558	8	11	0	11.50690432	0.000313206	GABRP ENSG00000094755
5	170632977	170633219	170633098	11	14	2	4.794543465	0.00154571	TLX3 ENSG00000164438
5	170701972	170702245	170702089	11	13	1	6.712360851	0.000640982	ENSG00000213393
5	170746805	170747148	170746976	11	17	9	1.726035648	0.0753664	NPM1 ENSG00000181163
5	170778384	170778587	170778504	8	9	2	3.19636231	0.0229249	FGF18 ENSG00000156427
5	170836249	170836465	170836357	9	9	4	1.917817386	0.103282	FGF18 ENSG00000156427

5	171001686	171001975	171001815	8	8	4	1.726035648	0.150596	C5orf50	ENSG00000185662
5	171106808	171107060	171106983	8	11	1	5.753452158	0.00215302	C5orf50	ENSG00000185662
5	1711117621	1711117830	1711117725	8	8	1	4.315089119	0.0127267	C5orf50	ENSG00000185662
5	171144238	171144458	171144365	8	10	1	5.273997812	0.00391723	C5orf50	ENSG00000185662
5	171304999	171305306	171305172	10	14	2	4.794543465	0.00154571	FBXW11	ENSG00000072803
5	171314378	171314626	171314479	9	12	4	2.493162602	0.0299057	FBXW11	ENSG00000072803
5	171436574	171436825	171436699	11	13	2	4.474907234	0.00269459	FBXW11	ENSG00000072803
5	171471674	171471911	171471739	10	13	2	4.474907234	0.00269459	STK10	ENSG00000072786
5	171652991	171653170	171653084	8	8	1	4.315089119	0.0127267		ENSG00000204762
5	171996490	171997039	171996794	60	96	5	15.5023572	1.17E-22		ENSG00000214357
5	172019358	172019853	172019674	9	18	4	3.643853034	0.00178791		ENSG00000214357
5	172057301	172057531	172057416	8	10	8	1.171999514	0.35773		ENSG00000214357
5	172076342	172076581	172076458	9	9	6	1.369869562	0.253675		ENSG00000213386
5	172128131	172128310	172128269	8	8	1	4.315089119	0.0127267	DUSP1	ENSG00000120129
5	172263490	172263869	172263665	12	18	6	2.602752167	0.00970422	ERGIC1	ENSG00000113719
5	172411426	172411680	172411556	8	11	1	5.753452158	0.00215302		ENSG00000207210
5	172503911	172504298	172504086	16	22	11	1.837908328	0.0378204	BNIP1	ENSG00000113734
5	172508177	172508356	172508271	8	8	3	2.157544559	0.0836802	BNIP1	ENSG00000113734
5	172561667	172562169	172561763	12	23	2	7.671269544	8.30E-06		ENSG00000208401
5	172643274	172643816	172643654	11	23	11	1.917817386	0.0274129		ENSG00000208394
5	172651793	172652420	172652173	69	89	4	17.26035648	9.60E-22		ENSG00000208394
5	172653634	172654005	172653826	9	16	5	2.716907964	0.0109645		ENSG00000208394
5	172662084	172662334	172662169	11	12	7	1.558226626	0.152813		ENSG00000208394
5	172662492	172662703	172662597	8	8	2	2.876726079	0.0381137		ENSG00000208394
5	172675102	172675299	172675208	8	9	5	1.598181155	0.170911	STC2	ENSG00000113739
5	172852864	172853049	172852982	8	10	1	5.273997812	0.00391723	FAM44B	ENSG00000145919
5	172927085	172927542	172927384	14	23	5	3.835634772	0.000408054	FAM44B	ENSG00000145919
5	172929269	172929607	172929438	28	30	3	7.431542371	6.87E-07	FAM44B	ENSG00000145919
5	172975514	172975840	172975677	12	18	7	2.277408146	0.0188653	FAM44B	ENSG00000145919
5	172976211	172976441	172976329	10	10	0	10.54799562	0.000613541	FAM44B	ENSG00000145919
5	172983346	172983539	172983499	8	8	2	2.876726079	0.0381137	FAM44B	ENSG00000145919
5	173088064	173088378	173088222	12	15	4	3.068507818	0.0076507	FAM44B	ENSG00000145919
5	173243591	173244350	173243978	32	59	5	9.589086931	7.64E-13	CPEB4	ENSG00000113742
5	173404937	173405409	173405181	13	26	6	3.698647816	0.00025253		ENSG00000170091

5	173686979	173687506	173687264	19	36	5	5.913270274	4.32E-07		ENSG00000213376
5	173687894	173689330	173688465	336	508	9	48.80845248	2.63E-133		ENSG00000213376
5	173779225	173779574	173779399	18	23	13	1.643843474	0.0639146		ENSG00000213376
5	173784930	173785258	173785094	20	24	1	11.98635866	6.63E-07		ENSG00000213376
5	173892121	173892506	173892313	25	33	7	4.075361945	2.23E-05		ENSG00000213376
5	173966642	173966839	173966740	8	9	1	4.794543465	0.00708517		ENSG00000213376
5	174080200	174080408	174080284	8	9	1	4.794543465	0.00708517	MSX2	ENSG00000120149
5	174130520	174130769	174130641	8	9	0	9.589086931	0.00120187		ENSG00000222422
5	174188638	174188823	174188729	8	9	0	9.589086931	0.00120187		ENSG00000222422
5	174295534	174295827	174295648	13	17	2	5.753452158	0.000281509		ENSG00000204754
5	174310901	174311096	174310998	8	9	1	4.794543465	0.00708517		ENSG00000204754
5	174331955	174332241	174332100	10	12	4	2.493162602	0.0299057		ENSG00000204754
5	174474240	174474537	174474388	10	11	12	0.885146486	0.620672		ENSG00000204754
5	174531728	174531909	174531879	8	8	1	4.315089119	0.0127267		ENSG00000204754
5	174563675	174564100	174563921	18	29	0	28.76726079	1.74E-09		ENSG00000204754
5	174586385	174586672	174586533	11	13	1	6.712360851	0.000640982	DRD1	ENSG00000184845
5	174646348	174646668	174646523	13	17	0	17.26035648	5.54E-06	DRD1	ENSG00000184845
5	174738181	174738457	174738317	8	12	2	4.155271003	0.0046638	DRD1	ENSG00000184845
5	174819758	174820118	174820010	9	15	4	3.068507818	0.0076507		ENSG00000208388
5	174853887	174854207	174854047	9	13	9	1.34247217	0.232231	SFXN1	ENSG00000164466
5	174893767	174894223	174893897	10	19	10	1.743470351	0.0622604	SFXN1	ENSG00000164466
5	174983689	174983922	174983776	9	9	3	2.397271733	0.0539397		ENSG00000222111
5	175078380	175078785	175078631	11	18	1	9.109632584	2.91E-05		ENSG00000200648
5	175112429	175112713	175112571	15	19	4	3.835634772	0.00108365	CPLX2	ENSG00000145920
5	175169324	175169727	175169548	10	17	3	4.315089119	0.00102271	CPLX2	ENSG00000145920
5	175189723	175190156	175189977	13	23	2	7.671269544	8.30E-06	CPLX2	ENSG00000145920
5	175365747	175365944	175365802	9	9	2	3.19636231	0.0229249		ENSG00000214351
5	175506452	175506730	175506595	10	12	2	4.155271003	0.0046638	FAM153B	ENSG00000182230
5	175747975	175748306	175748146	8	12	3	3.116453252	0.0131971	NOP16	ENSG00000048162
5	175748406	175748842	175748585	11	22	4	4.410979988	0.000231863	HIGD2A	ENSG00000146066
5	175798666	175798938	175798786	9	13	1	6.712360851	0.000640982	FAF2	ENSG00000113194
5	175807522	175807889	175807700	15	21	10	1.917817386	0.0328292	FAF2	ENSG00000113194
5	175832410	175832592	175832463	8	9	3	2.397271733	0.0539397		ENSG00000221373
5	175896989	175897194	175897091	10	12	3	3.116453252	0.0131971	RNF44	ENSG00000146083

5	175897533	175897904	175897712	8	15	6	2.191791298	0.0328001	RNF44	ENSG00000146083
5	175938114	175938500	175938237	9	14	3	3.595907599	0.00486913		ENSG00000204738
5	175971083	175971338	175971210	8	11	2	3.835634772	0.00800699	GPRIN1	ENSG00000169258
5	176075283	176075541	176075412	9	12	2	4.155271003	0.0046638	TSPAN17	ENSG00000048140
5	176229758	176229941	176229855	8	8	3	2.157544559	0.0836802	UNC5A	ENSG00000113763
5	176244509	176244715	176244638	10	10	0	10.54799562	0.000613541	HK3	ENSG00000160883
5	176363390	176363728	176363558	8	12	2	4.155271003	0.0046638	UIMC1	ENSG00000087206
5	176366430	176366721	176366575	11	15	4	3.068507818	0.0076507	UIMC1	ENSG00000087206
5	176381530	176381709	176381656	8	8	7	1.07877228	0.435076	ZNF346	ENSG00000113761
5	176382900	176383153	176383026	9	12	0	12.46581301	0.000159888	ZNF346	ENSG00000113761
5	176431570	176431768	176431671	8	9	2	3.19636231	0.0229249	FGFR4	ENSG00000160867
5	176629622	176629984	176629799	12	18	6	2.602752167	0.00970422		ENSG00000213350
5	176660939	176661137	176661016	8	9	6	1.369869562	0.253675	RAB24	ENSG00000169228
5	176661226	176661843	176661562	10	27	12	2.0653418	0.0117911	RAB24	ENSG00000169228
5	176664033	176664253	176664093	8	10	1	5.273997812	0.00391723	PRELID1	ENSG00000169230
5	176711115	176711539	176711364	14	21	13	1.506856518	0.109266	LMAN2	ENSG00000169223
5	176730374	176730589	176730460	9	9	5	1.598181155	0.170911	RGS14	ENSG00000169220
5	176761989	176762475	176762307	10	22	18	1.160784207	0.312473	PFN3	ENSG00000196570
5	176786937	176787181	176787011	11	14	5	2.397271733	0.0258078	GRK6	ENSG00000198055
5	176876528	176876998	176876788	10	23	9	2.301380863	0.00938618	DDX41	ENSG00000183258
5	176914203	176914433	176914318	9	9	0	9.589086931	0.00120187		ENSG00000146067
5	176935753	176936273	176935972	63	80	2	25.89053471	1.86E-21	TMED9	ENSG00000184840
5	177217295	177217490	177217448	19	19	1	9.589086931	1.56E-05		ENSG00000170089
5	177421697	177422022	177421858	12	15	7	1.917817386	0.0572317		ENSG00000218227
5	177435045	177435281	177435195	8	10	10	0.958908693	0.538751		ENSG00000218227
5	177435664	177436014	177435839	19	25	18	1.312190843	0.179876		ENSG00000218227
5	177437954	177438176	177438120	9	11	14	0.767126954	0.756447		ENSG00000218227
5	177440344	177440640	177440488	12	13	2	4.474907234	0.00269459		ENSG00000218227
5	177465767	177465987	177465877	8	9	2	3.19636231	0.0229249		ENSG00000145911
5	177480565	177480942	177480744	9	16	13	1.164389127	0.333296		ENSG00000145911
5	177483249	177483483	177483402	9	9	5	1.598181155	0.170911	RMND5B	ENSG00000145916
5	177483669	177484166	177483995	11	22	24	0.882195998	0.668517	RMND5B	ENSG00000145916
5	177495955	177496234	177496091	9	13	5	2.237453617	0.038866	RMND5B	ENSG00000145916
5	177505259	177505452	177505351	8	10	4	2.109599125	0.0694668	NHP2	ENSG00000145912

5	177512723	177512926	177512875	8	9	3	2.397271733	0.0539397	NHP2	ENSG00000145912
5	177513476	177513719	177513592	11	13	9	1.34247217	0.232231	NHP2	ENSG00000145912
5	177563715	177564230	177563888	13	24	3	5.993179332	2.17E-05	HNRNPAB	ENSG00000197451
5	177639624	177639849	177639698	8	10	5	1.757999271	0.121253	AGXT2L2	ENSG00000175309
5	177670537	177670825	177670681	9	9	4	1.917817386	0.103282		ENSG00000223150
5	177890760	177891013	177890922	12	14	1	7.191815198	0.00034761	COL23A1	ENSG00000050767
5	178002131	178002450	178002290	12	15	9	1.534253909	0.136498	CLK4	ENSG00000113240
5	178035677	178035911	178035797	14	14	2	4.794543465	0.00154571	CLK4	ENSG00000113240
5	178090404	178090618	178090490	9	10	2	3.515998541	0.0136204	ZNF354A	ENSG00000169131
5	178198987	178199381	178199162	13	20	2	6.712360851	4.91E-05	ZNF354B	ENSG00000178338
5	178467220	178467603	178467451	19	25	1	12.46581301	3.51E-07	ZNF354C	ENSG00000177932
5	178853774	178854045	178853869	14	16	4	3.260289556	0.00475414		ENSG00000202120
5	178983347	178983618	178983482	8	11	3	2.876726079	0.0213797	HNRNPH1	ENSG00000169045
5	178984084	178984263	178984173	8	9	1	4.794543465	0.00708517	HNRNPH1	ENSG00000169045
5	179028054	179028352	179028203	9	12	3	3.116453252	0.0131971	CBY3	ENSG00000204659
5	179057538	179057972	179057778	10	18	3	4.554816292	0.000599415	CANX	ENSG00000127022
5	179092156	179092488	179092310	10	14	12	1.106433107	0.392094	MAML1	ENSG00000161021
5	179122875	179123064	179122972	9	10	5	1.757999271	0.121253	MAML1	ENSG00000161021
5	179154833	179155013	179154917	8	8	4	1.726035648	0.150596	LTC4S	ENSG00000213316
5	179367852	179368040	179367945	8	9	6	1.369869562	0.253675		ENSG00000198995
5	179617392	179617684	179617538	19	20	5	3.356180426	0.0017534	MAPK9	ENSG00000050748
5	179653245	179653454	179653313	8	10	0	10.54799562	0.000613541	MAPK9	ENSG00000050748
5	179855642	179856109	179855817	12	19	6	2.739739123	0.00632909	CNOT6	ENSG00000113300
5	180030285	180030503	180030425	8	9	6	1.369869562	0.253675	FLT4	ENSG00000037280
5	180078434	180078733	180078583	11	14	1	7.191815198	0.00034761		ENSG00000199892
5	180158889	180159083	180159007	8	9	5	1.598181155	0.170911	MGAT1	ENSG00000131446
5	180220992	180221205	180221122	8	8	6	1.232882605	0.333038		ENSG00000214302
5	180258133	180258384	180258216	8	10	5	1.757999271	0.121253	BTNL8	ENSG00000113303
5	180474640	180474917	180474755	8	11	5	1.917817386	0.0843804		ENSG00000214293
5	180518927	180519204	180519074	10	12	6	1.78083043	0.0985525	OR2V2	ENSG00000182613
5	180527338	180527624	180527481	10	13	3	3.356180426	0.00805599		ENSG00000208343
5	180533310	180533568	180533473	11	15	5	2.557089848	0.0169197		ENSG00000208343
5	180547185	180547625	180547405	10	22	14	1.470326663	0.117149	TRIM7	ENSG00000146054
5	180548288	180548594	180548442	13	16	10	1.481949798	0.147733	TRIM7	ENSG00000146054

5	180551199	180551546	180551372	9	13	7	1.678090213	0.11195	TRIM7	ENSG00000146054
5	180560254	180560469	180560383	8	9	1	4.794543465	0.00708517	TRIM7	ENSG00000146054
5	180565867	180566214	180566039	8	11	3	2.876726079	0.0213797	TRIM7	ENSG00000146054
5	180566395	180566734	180566564	14	20	8	2.237453617	0.0160557	TRIM7	ENSG00000146054
5	180567276	180567746	180567440	8	17	20	0.821921737	0.731032	TRIM7	ENSG00000146054
5	180577214	180578032	180577708	13	39	19	1.917817386	0.00683587	TRIM41	ENSG00000146063
5	180581355	180582279	180581710	13	43	23	1.757999271	0.011069	TRIM41	ENSG00000146063
5	180603600	180603835	180603710	8	9	9	0.958908693	0.536911	GNB2L1	ENSG00000204628
5	180619951	180620230	180620114	8	11	1	5.753452158	0.00215302	TRIM52	ENSG00000183718
6	236654	236920	236754	9	11	0	11.50690432	0.000313206	DUSP22	ENSG00000112679
6	562560	562767	562663	11	11	7	1.43836304	0.204844	HUS1B	ENSG00000188996
6	625576	626050	625820	12	23	0	23.01380863	9.81E-08		ENSG00000219712
6	1270953	1271290	1271126	8	11	1	5.753452158	0.00215302	FOXQ1	ENSG00000164379
6	1342311	1342495	1342403	8	8	3	2.157544559	0.0836802	FOXF2	ENSG00000137273
6	2452265	2452692	2452458	31	41	0	40.27416511	5.44E-13		ENSG00000203564
6	2897818	2898152	2897996	16	19	0	19.17817386	1.44E-06	SERPINB6	ENSG00000124570
6	2934754	2934984	2934894	11	13	5	2.237453617	0.038866		ENSG00000215076
6	2935128	2935307	2935226	8	8	4	1.726035648	0.150596		ENSG00000215076
6	3415382	3415823	3415602	24	35	5	5.753452158	7.49E-07	SLC22A23	ENSG00000137266
6	3463626	3463836	3463731	8	8	5	1.43836304	0.235762	SLC22A23	ENSG00000137266
6	3530668	3530847	3530752	8	8	3	2.157544559	0.0836802	SLC22A23	ENSG00000137266
6	3558007	3558281	3558153	13	14	2	4.794543465	0.00154571	C6orf145	ENSG00000168994
6	3660600	3660809	3660736	9	10	3	2.636998906	0.034203	C6orf145	ENSG00000168994
6	3750933	3751161	3751038	8	8	0	8.630178238	0.00235436	FAM50B	ENSG00000145945
6	3963910	3964182	3964046	11	15	4	3.068507818	0.0076507		ENSG00000215066
6	4264596	4264785	4264690	9	9	2	3.19636231	0.0229249		ENSG00000201185
6	4268205	4268401	4268303	9	10	6	1.506856518	0.188853		ENSG00000201185
6	4304032	4304229	4304114	8	9	4	1.917817386	0.103282		ENSG00000201185
6	4329015	4329458	4329234	39	53	2	17.26035648	6.53E-14		ENSG00000201185
6	4497618	4497875	4497746	9	9	0	9.589086931	0.00120187		ENSG00000205444
6	4593003	4593182	4593092	8	8	2	2.876726079	0.0381137		ENSG00000205444
6	4755320	4755519	4755455	9	10	5	1.757999271	0.121253	CDYL	ENSG00000153046
6	4980041	4980301	4980171	11	11	5	1.917817386	0.0843804		ENSG00000209924
6	5851157	5851622	5851472	29	38	0	37.39743903	4.09E-12		ENSG00000222735

6	7012623	7012841	7012734	10	10	1	5.273997812	0.00391723	RREB1	ENSG00000124782
6	7146492	7146730	7146611	11	12	1	6.232906505	0.00117736	RREB1	ENSG00000124782
6	7188750	7188940	7188785	8	8	4	1.726035648	0.150596	RREB1	ENSG00000124782
6	7206407	7206635	7206483	10	12	0	12.46581301	0.000159888	RREB1	ENSG00000124782
6	7207409	7207768	7207589	22	28	3	6.952088025	2.20E-06	RREB1	ENSG00000124782
6	7212701	7213089	7212913	19	25	3	6.232906505	1.23E-05	RREB1	ENSG00000124782
6	7268398	7268787	7268608	30	37	2	12.14617678	1.58E-09	ATP5GP1	ENSG00000219375
6	7363446	7363725	7363585	13	15	6	2.191791298	0.0328001	RIOK1	ENSG00000124784
6	7408923	7409358	7409185	23	30	2	9.908723162	1.20E-07		ENSG00000215042
6	7450517	7450860	7450689	11	16	3	4.075361945	0.00173346		ENSG00000219993
6	7450894	7451181	7451037	9	12	1	6.232906505	0.00117736		ENSG00000219993
6	7469423	7469602	7469512	8	8	2	2.876726079	0.0381137		ENSG00000168929
6	7477540	7477790	7477665	8	11	0	11.50690432	0.000313206	DSP	ENSG00000096696
6	7495686	7496001	7495845	25	27	0	26.84944341	6.66E-09	DSP	ENSG00000096696
6	7535207	7535454	7535330	9	12	4	2.493162602	0.0299057	SNRNP48	ENSG00000168566
6	7920279	7920550	7920390	9	12	5	2.077635502	0.0577144		ENSG00000219294
6	7993190	7993418	7993281	10	11	2	3.835634772	0.00800699		ENSG00000221663
6	8047279	8047510	8047394	8	9	1	4.794543465	0.00708517	EEF1E1	ENSG00000124802
6	8557467	8557760	8557626	9	9	1	4.794543465	0.00708517	SLC35B3	ENSG00000124786
6	8653237	8653423	8653348	9	9	5	1.598181155	0.170911	SLC35B3	ENSG00000124786
6	9590367	9590624	9590495	10	12	4	2.493162602	0.0299057		ENSG00000222597
6	9619437	9619695	9619566	13	15	2	5.114179696	0.00088103		ENSG00000222597
6	9949042	9949221	9949131	8	8	0	8.630178238	0.00235436	OFCC1	ENSG00000181355
6	10235542	10235729	10235654	8	9	3	2.397271733	0.0539397		ENSG00000216368
6	10255174	10255353	10255326	8	8	0	8.630178238	0.00235436		ENSG00000216368
6	10271342	10271873	10271612	24	39	3	9.589086931	3.26E-09		ENSG00000216368
6	10539538	10539928	10539749	14	22	0	22.05489994	1.92E-07	C6orf218	ENSG00000183674
6	10618832	10619038	10618992	8	8	3	2.157544559	0.0836802		ENSG00000216359
6	10802939	10803191	10803074	10	11	5	1.917817386	0.0843804	PAK1IP1	ENSG00000111845
6	10826740	10827346	10827089	55	81	3	19.65762821	1.37E-20	TMEM14C	ENSG00000111843
6	10867582	10867851	10867712	8	10	1	5.273997812	0.00391723		ENSG00000209246
6	11338058	11338331	11338187	8	11	2	3.835634772	0.00800699	NEDD9	ENSG00000111859
6	12116537	12116717	12116680	8	8	4	1.726035648	0.150596	HIVEP1	ENSG00000095951
6	12342318	12342577	12342403	10	13	5	2.237453617	0.038866	EDN1	ENSG00000078401

6	12432522	12432747	12432652	9	11	2	3.835634772	0.00800699		ENSG00000218893
6	12480650	12480851	12480733	9	9	3	2.397271733	0.0539397		ENSG00000223321
6	12580962	12581196	12581029	9	11	1	5.753452158	0.00215302	RPL15P3	ENSG00000212802
6	12593667	12593847	12593701	8	10	5	1.757999271	0.121253	RPL15P3	ENSG00000212802
6	12614441	12614631	12614547	8	8	2	2.876726079	0.0381137	RPL15P3	ENSG00000212802
6	13356202	13356649	13356457	44	53	0	51.78106943	1.70E-16	PHACTR1	ENSG00000112137
6	13683093	13683436	13683264	11	16	3	4.075361945	0.00173346	SIRT5	ENSG00000124523
6	13722873	13723181	13723027	10	14	0	14.3836304	4.17E-05	NOL7	ENSG00000137420
6	14175045	14175312	14175178	9	9	4	1.917817386	0.103282	CD83	ENSG00000112149
6	14213606	14214082	14213841	19	31	4	6.137015636	1.74E-06	CD83	ENSG00000112149
6	14226830	14227041	14226935	8	8	3	2.157544559	0.0836802	CD83	ENSG00000112149
6	14871322	14871542	14871432	8	9	2	3.19636231	0.0229249		ENSG00000206960
6	15174893	15175253	15175054	23	28	1	13.90417605	5.17E-08		ENSG00000216754
6	15564005	15564193	15564099	8	8	2	2.876726079	0.0381137	JARID2	ENSG00000008083
6	15799582	15799791	15799659	9	10	4	2.109599125	0.0694668	DTNBP1	ENSG00000047579
6	16016388	16016658	16016523	13	14	6	2.054804342	0.0480281		ENSG00000214027
6	16238718	16238988	16238869	11	12	2	4.155271003	0.0046638	MYLIP	ENSG00000007944
6	16359929	16360302	16360104	14	20	2	6.712360851	4.91E-05	GMPR	ENSG00000137198
6	16877466	16877679	16877564	8	9	2	3.19636231	0.0229249		ENSG00000215019
6	17055824	17056031	17055927	8	8	4	1.726035648	0.150596		ENSG00000215019
6	17264413	17264681	17264547	8	9	4	1.917817386	0.103282		ENSG00000209103
6	17341790	17342042	17341887	10	12	2	4.155271003	0.0046638		ENSG00000209103
6	18096414	18096688	18096555	10	13	5	2.237453617	0.038866	KIF13A	ENSG00000137177
6	18136510	18136810	18136684	15	18	0	18.21926517	2.83E-06		ENSG00000210163
6	18198524	18198942	18198707	24	35	1	17.26035648	5.72E-10	NHLRC1	ENSG00000187566
6	18388410	18388612	18388548	8	9	5	1.598181155	0.170911		ENSG00000199715
6	18434254	18434662	18434433	35	41	2	13.4247217	1.29E-10		ENSG00000200681
6	18601838	18602034	18601941	9	10	4	2.109599125	0.0694668		ENSG00000207775
6	18612246	18612478	18612341	8	9	5	1.598181155	0.170911		ENSG00000207775
6	18953918	18954513	18954261	61	86	0	83.4250563	3.93E-26		ENSG00000207775
6	20000511	20000826	20000672	9	13	4	2.684944341	0.01921	ID4	ENSG00000172201
6	20096807	20097131	20096969	13	18	2	6.073088389	0.000157975		ENSG00000177246
6	20296964	20297174	20297077	10	11	0	11.50690432	0.000313206	MBOAT1	ENSG00000172197
6	20479021	20479353	20479197	16	18	4	3.643853034	0.00178791	E2F3	ENSG00000112242

6	20512920	20513142	20513029	10	10	3	2.636998906	0.034203	E2F3	ENSG00000112242
6	20642531	20642781	20642631	11	11	2	3.835634772	0.00800699	CDKAL1	ENSG00000145996
6	20658640	20658880	20658709	8	9	0	9.589086931	0.00120187	CDKAL1	ENSG00000145996
6	20943524	20943892	20943723	20	25	1	12.46581301	3.51E-07		ENSG00000216591
6	20974850	20975424	20975087	57	91	7	11.02744997	1.48E-19		ENSG00000216591
6	21041395	21041588	21041514	9	9	3	2.397271733	0.0539397	CXorf29	ENSG00000205147
6	21296707	21297066	21296884	19	25	1	12.46581301	3.51E-07	CXorf29	ENSG00000205147
6	21489823	21490075	21489949	10	12	4	2.493162602	0.0299057	SOX4	ENSG00000124766
6	21847077	21847364	21847220	11	14	1	7.191815198	0.00034761		ENSG00000220771
6	21873310	21873493	21873401	8	8	1	4.315089119	0.0127267		ENSG00000220771
6	22544379	22544584	22544457	8	8	1	4.315089119	0.0127267	HDGFL1	ENSG00000112273
6	22551004	22551536	22551263	85	116	0	112.1923171	6.83E-35	HDGFL1	ENSG00000112273
6	24871816	24872148	24871994	16	19	0	19.17817386	1.44E-06	GMNN	ENSG00000112312
6	24935398	24935870	24935574	70	86	4	16.68501126	6.33E-21	FAM65B	ENSG00000111913
6	24935880	24936082	24935951	9	9	0	9.589086931	0.00120187	FAM65B	ENSG00000111913
6	25027872	25028160	25028002	8	8	0	8.630178238	0.00235436	FAM65B	ENSG00000111913
6	25093588	25093976	25093797	22	31	5	5.114179696	6.54E-06		ENSG00000214975
6	25557402	25557725	25557568	27	30	2	9.908723162	1.20E-07		ENSG00000210368
6	26066915	26067250	26067082	14	18	0	18.21926517	2.83E-06	TRIM38	ENSG00000112343
6	26134573	26134897	26134730	12	14	3	3.595907599	0.00486913	HIST1H4B	ENSG00000124529
6	26264297	26264678	26264499	9	17	4	3.452071295	0.00292757	HIST1H1E	ENSG00000168298
6	26297154	26297424	26297268	9	10	10	0.958908693	0.538751	HIST1H4D	ENSG00000188987
6	26303603	26303843	26303730	11	13	3	3.356180426	0.00805599	HIST1H1P	ENSG00000216331
6	26307725	26307930	26307827	8	9	3	2.397271733	0.0539397	HIST1H2Bf	ENSG00000197846
6	26312668	26312858	26312769	8	8	9	0.863017824	0.627343	HIST1H4E	ENSG00000198518
6	26324689	26324886	26324799	10	10	5	1.757999271	0.121253	HIST1H2Bc	ENSG00000187990
6	26325084	26325295	26325189	8	10	2	3.515998541	0.0136204	HIST1H2Ae	ENSG00000168274
6	26327247	26327478	26327332	8	9	1	4.794543465	0.00708517	HIST1H2Ae	ENSG00000168274
6	26381123	26381342	26381248	10	12	3	3.116453252	0.0131971	HIST1H2Bi	ENSG00000168242
6	26393702	26394146	26393967	8	16	9	1.630144778	0.102169	HIST1H4H	ENSG00000158406
6	26421038	26421424	26421245	11	18	12	1.401481936	0.168368	H3F3AP1	ENSG00000220875
6	26430954	26431281	26431104	10	14	4	2.876726079	0.01219	H3F3AP1	ENSG00000220875
6	26436283	26436507	26436351	9	9	4	1.917817386	0.103282	H3F3AP1	ENSG00000220875
6	26629398	26629690	26629550	9	12	7	1.558226626	0.152813		ENSG00000199289

6	26640941	26641164	26641072	9	10	6	1.506856518	0.188853	HMGN4	ENSG00000182952
6	26641315	26641496	26641430	8	8	5	1.43836304	0.235762	HMGN4	ENSG00000182952
6	26645456	26646128	26645718	11	27	12	2.0653418	0.0117911	HMGN4	ENSG00000182952
6	26662042	26662579	26662414	13	24	5	3.995452888	0.00024777		ENSG00000210390
6	26663460	26663757	26663608	9	12	4	2.493162602	0.0299057		ENSG00000210390
6	26664780	26665014	26664897	9	9	7	1.198635866	0.346278		ENSG00000210392
6	26665026	26665244	26665135	10	13	4	2.684944341	0.01921		ENSG00000210392
6	26676899	26677263	26677155	12	16	5	2.716907964	0.0109645		ENSG00000210392
6	26680079	26680346	26680197	8	10	2	3.515998541	0.0136204		ENSG00000210392
6	26703073	26703309	26703191	10	12	10	1.133255728	0.37674	ABT1	ENSG00000146109
6	26795034	26795469	26795213	33	43	0	42.19198249	1.42E-13		ENSG00000210409
6	26813093	26813486	26813316	13	19	2	6.39272462	8.83E-05		ENSG00000210409
6	27167454	27167875	27167696	8	16	7	2.037680973	0.0400399		ENSG00000219770
6	27207580	27208030	27207780	47	58	3	14.14390322	2.76E-14	HIST1H2BJ	ENSG00000124635
6	27355834	27356137	27355985	9	13	4	2.684944341	0.01921		ENSG00000210450
6	27388459	27388679	27388569	8	10	1	5.273997812	0.00391723	POM121L2	ENSG00000158553
6	27408525	27408808	27408638	9	12	8	1.385090334	0.219216		ENSG00000220758
6	27410681	27411069	27410806	9	16	3	4.075361945	0.00173346		ENSG00000220758
6	27464493	27464808	27464648	12	15	2	5.114179696	0.00088103	ZNF391	ENSG00000124613
6	27549009	27549214	27549111	8	8	1	4.315089119	0.0127267	ZNF184	ENSG00000096654
6	27554478	27554742	27554584	14	16	3	4.075361945	0.00173346	ZNF184	ENSG00000096654
6	27571542	27571733	27571660	8	9	5	1.598181155	0.170911	ZNF184	ENSG00000096654
6	27578723	27578926	27578784	9	10	2	3.515998541	0.0136204		ENSG00000218347
6	27579418	27579653	27579492	8	11	5	1.917817386	0.0843804		ENSG00000218347
6	27581274	27581682	27581511	11	17	13	1.232882605	0.274309		ENSG00000218347
6	27594482	27594825	27594680	8	12	6	1.78083043	0.0985525		ENSG00000218347
6	27595192	27595430	27595290	11	12	6	1.78083043	0.0985525		ENSG00000218347
6	27608209	27608506	27608357	8	10	6	1.506856518	0.188853		ENSG00000218347
6	27621594	27621782	27621631	8	8	3	2.157544559	0.0836802		ENSG00000219738
6	27624193	27624399	27624311	8	9	3	2.397271733	0.0539397		ENSG00000219738
6	27629007	27629504	27629255	13	22	3	5.513724985	6.69E-05		ENSG00000219738
6	27667433	27667654	27667529	8	9	2	3.19636231	0.0229249		ENSG00000206671
6	27668370	27668668	27668505	11	13	8	1.491635745	0.166708		ENSG00000206671
6	27677690	27678008	27677861	9	12	4	2.493162602	0.0299057		ENSG00000206671

6	27726620	27726818	27726741	9	10	4	2.109599125	0.0694668		ENSG00000216676
6	27748117	27748383	27748229	15	17	7	2.157544559	0.0276499		ENSG00000216676
6	27760080	27760567	27760391	13	23	10	2.092164421	0.0165595		ENSG00000216676
6	27763372	27763581	27763489	8	10	2	3.515998541	0.0136204		ENSG00000216676
6	27763699	27764206	27764041	12	22	8	2.450544438	0.0073921		ENSG00000216676
6	27796691	27797062	27796905	9	13	5	2.237453617	0.038866		ENSG00000216915
6	27802415	27802723	27802569	9	12	7	1.558226626	0.152813		ENSG00000216915
6	27829040	27829287	27829151	10	11	13	0.821921737	0.693119		ENSG00000216915
6	27848124	27848433	27848278	8	11	6	1.643843474	0.137712		ENSG00000218069
6	27867104	27867523	27867353	8	17	6	2.465765211	0.014729		ENSG00000218069
6	27867908	27868375	27868087	9	18	4	3.643853034	0.00178791		ENSG00000218069
6	27966439	27966683	27966561	8	9	5	1.598181155	0.170911	HIST1H3J	ENSG00000197153
6	27978414	27978937	27978675	10	19	14	1.278544924	0.231514	OR2B2	ENSG00000168131
6	28156534	28156799	28156666	17	19	1	9.589086931	1.56E-05	ZNF165	ENSG00000197279
6	28212515	28212818	28212686	11	13	1	6.712360851	0.000640982	ZNF192	ENSG00000198315
6	28288119	28288358	28288238	9	11	2	3.835634772	0.00800699		ENSG00000176933
6	28342547	28342908	28342762	8	13	10	1.220429246	0.306001	ZNF187	ENSG00000197062
6	28425512	28425780	28425644	8	9	7	1.198635866	0.346278	ZKSCAN3	ENSG00000189298
6	28459133	28459709	28459301	16	27	3	6.712360851	3.92E-06	ZSCAN12	ENSG00000158691
6	28487846	28488093	28487969	12	12	1	6.232906505	0.00117736	ZSCAN12	ENSG00000158691
6	28550223	28550552	28550387	11	15	4	3.068507818	0.0076507		ENSG00000210498
6	28618307	28619053	28618719	13	34	10	3.051073114	0.000209762	GPX6	ENSG00000198704
6	33819960	33820645	33820447	18	38	0	37.39743903	4.09E-12	IHPK3	ENSG00000161896
6	33910432	33910649	33910526	8	8	0	8.630178238	0.00235436	MLN	ENSG00000096395
6	33915860	33916271	33916035	13	22	5	3.675816657	0.000667901	MLN	ENSG00000096395
6	34300181	34300460	34300287	8	11	3	2.876726079	0.0213797		ENSG00000214810
6	34620810	34621165	34620988	8	12	5	2.077635502	0.0577144	SPDEF	ENSG00000124664
6	34833079	34833470	34833341	9	15	5	2.557089848	0.0169197	SNRPC	ENSG00000124562
6	34963585	34963954	34963781	12	18	7	2.277408146	0.0188653	TAF11	ENSG00000064995
6	34964757	34965084	34964927	10	15	3	3.835634772	0.00291691	ANKS1A	ENSG00000064999
6	35417881	35418242	35418032	14	19	5	3.19636231	0.00280933	PPARD	ENSG00000112033
6	35491144	35491364	35491219	8	9	4	1.917817386	0.103282	MKRNP2	ENSG00000218225
6	35561882	35562202	35562052	8	11	2	3.835634772	0.00800699	TEAD3	ENSG00000007866
6	35567522	35567721	35567593	8	8	2	2.876726079	0.0381137	TEAD3	ENSG00000007866

6	35571479	35571721	35571622	8	10	1	5.273997812	0.00391723	TEAD3	ENSG00000007866
6	36171034	36171223	36171073	8	8	6	1.232882605	0.333038		ENSG00000204135
6	36230118	36230389	36230253	10	14	2	4.794543465	0.00154571		ENSG00000221743
6	36321518	36321733	36321645	8	9	2	3.19636231	0.0229249	PNPLA1	ENSG00000180316
6	36387791	36388024	36387892	9	10	1	5.273997812	0.00391723	C6orf222	ENSG00000189325
6	36498973	36499152	36499062	8	8	2	2.876726079	0.0381137	KCTD20	ENSG00000112078
6	36531273	36531470	36531371	9	10	2	3.515998541	0.0136204		ENSG00000222599
6	36683835	36684373	36683980	15	27	2	8.949814469	7.46E-07	SFRS3	ENSG00000112081
6	36742712	36743268	36743019	187	237	3	57.05506724	8.67E-65		ENSG00000213500
6	36744477	36744727	36744606	8	9	0	9.589086931	0.00120187		ENSG00000213500
6	36751765	36753463	36752212	340	726	15	43.57041374	8.69E-187	CDKN1A	ENSG00000124762
6	36753484	36753783	36753655	11	15	2	5.114179696	0.00088103	CDKN1A	ENSG00000124762
6	36753934	36754407	36754190	14	26	8	2.876726079	0.00140919	CDKN1A	ENSG00000124762
6	36758029	36758895	36758428	162	222	6	30.54809122	2.02E-56	CDKN1A	ENSG00000124762
6	36950378	36950747	36950611	8	14	6	2.054804342	0.0480281	PPIL1	ENSG00000137168
6	37320591	37321109	37320761	26	34	2	11.18726809	1.02E-08		ENSG00000210733
6	37549213	37549587	37549410	9	15	6	2.191791298	0.0328001	C6orf129	ENSG00000198937
6	37867088	37867479	37867300	16	23	4	4.602761727	0.000137072	ZFAND3	ENSG00000156639
6	37883906	37884289	37884085	13	20	6	2.876726079	0.00408924	ZFAND3	ENSG00000156639
6	37965337	37965561	37965441	8	9	1	4.794543465	0.00708517		ENSG00000200597
6	37965575	37965868	37965721	13	17	1	8.630178238	5.44E-05		ENSG00000200597
6	38144682	38144935	38144807	9	9	7	1.198635866	0.346278		ENSG00000218521
6	38180929	38181173	38181051	10	10	2	3.515998541	0.0136204		ENSG00000200706
6	38470084	38470389	38470236	8	11	1	5.753452158	0.00215302	BTBD9	ENSG00000183826
6	38831767	38831975	38831897	8	8	0	8.630178238	0.00235436		ENSG00000219273
6	39080339	39080628	39080481	8	10	1	5.273997812	0.00391723		ENSG00000220556
6	39437815	39438047	39437931	10	11	3	2.876726079	0.0213797		ENSG00000218986
6	40259561	40260087	40259908	22	38	3	9.349359757	5.96E-09		ENSG00000204092
6	40472310	40472829	40472607	43	64	9	6.232906505	2.17E-11		ENSG00000210787
6	40599187	40599742	40599364	22	41	1	20.13708255	1.17E-11	LRFN2	ENSG00000156564
6	40724799	40725039	40724919	8	11	1	5.753452158	0.00215302	LRFN2	ENSG00000156564
6	40921418	40921682	40921593	8	11	4	2.301380863	0.0459276	UNC5CL	ENSG00000124602
6	41265242	41265482	41265350	8	11	2	3.835634772	0.00800699	TREML2	ENSG00000112195
6	41265515	41265968	41265764	31	41	3	10.06854128	9.74E-10	TREML2	ENSG00000112195

6	41382057	41382242	41382217	8	8	1	4.315089119	0.0127267		ENSG00000213461
6	41612672	41612873	41612819	11	11	1	5.753452158	0.00215302	FOXP4	ENSG00000137166
6	41621745	41622041	41621893	10	14	1	7.191815198	0.00034761	FOXP4	ENSG00000137166
6	41689296	41689703	41689475	23	32	2	10.54799562	3.50E-08		ENSG00000214738
6	41726939	41727295	41727117	13	19	4	3.835634772	0.00108365	MDFI	ENSG00000112559
6	41728996	41729345	41729170	9	15	2	5.114179696	0.00088103		ENSG00000220573
6	41843024	41843322	41843173	10	14	5	2.397271733	0.0258078	FRS3	ENSG00000137218
6	41844395	41844837	41844568	27	36	0	35.47962164	1.57E-11	FRS3	ENSG00000137218
6	41922163	41922771	41922550	52	87	4	16.876793	3.38E-21		ENSG00000206977
6	41996576	41996862	41996692	10	11	3	2.876726079	0.0213797	MED20	ENSG00000124641
6	42286402	42286613	42286507	9	10	2	3.515998541	0.0136204	MRPS10	ENSG00000048544
6	42356931	42357190	42357022	8	10	2	3.515998541	0.0136204	MRPS10	ENSG00000048544
6	42524905	42525183	42525068	10	11	0	11.50690432	0.000313206	TRERF1	ENSG00000124496
6	42623304	42623634	42623455	9	14	2	4.794543465	0.00154571	UBR2	ENSG00000024048
6	42639897	42640085	42639991	9	9	3	2.397271733	0.0539397	UBR2	ENSG00000024048
6	42965950	42966277	42966104	12	16	4	3.260289556	0.00475414		ENSG00000221821
6	43171989	43172758	43172477	92	157	4	30.3015147	1.19E-40		ENSG00000223079
6	43262488	43262727	43262573	12	13	4	2.684944341	0.01921		ENSG00000112659
6	43339084	43339468	43339345	9	15	4	3.068507818	0.0076507	TTBK1	ENSG00000146216
6	43558354	43558549	43558414	8	8	1	4.315089119	0.0127267		ENSG00000137221
6	43572375	43572597	43572467	10	11	1	5.753452158	0.00215302	C6orf154	ENSG00000204052
6	43592418	43592657	43592552	11	15	2	5.114179696	0.00088103	YIPF3	ENSG00000137207
6	43651802	43652638	43652016	52	82	2	26.52980717	5.08E-22	POLH	ENSG00000170734
6	43744148	43744521	43744321	13	19	1	9.589086931	1.56E-05		ENSG00000210930
6	43763433	43763654	43763562	8	10	5	1.757999271	0.121253	MRPS18A	ENSG00000096080
6	44042178	44042455	44042319	12	15	2	5.114179696	0.00088103	C6orf223	ENSG00000181577
6	44313228	44313540	44313363	10	14	0	14.3836304	4.17E-05	HSP90AB1	ENSG00000096384
6	44388996	44389180	44389085	8	8	4	1.726035648	0.150596	AARS2	ENSG00000124608
6	44551527	44551752	44551670	8	11	2	3.835634772	0.00800699	CDC5L	ENSG00000096401
6	44760932	44761374	44761143	63	78	2	25.25126225	6.80E-21	SUPT3H	ENSG00000196284
6	44860800	44861182	44861040	14	21	1	10.54799562	4.43E-06	SUPT3H	ENSG00000196284
6	45495372	45495587	45495479	9	9	5	1.598181155	0.170911	RUNX2	ENSG00000124813
6	45521601	45521859	45521730	12	13	1	6.712360851	0.000640982	RUNX2	ENSG00000124813
6	45786138	45786522	45786283	9	13	3	3.356180426	0.00805599		ENSG00000210937

6	45940933	45941117	45941019	8	9	1	4.794543465	0.00708517	CLIC5	ENSG00000112782
6	46486066	46486245	46486233	9	10	1	5.273997812	0.00391723	RCAN2	ENSG00000172348
6	46897129	46897627	46897448	21	36	3	8.869905411	1.98E-08	MEP1A	ENSG00000112818
6	47055965	47056158	47056061	8	8	0	8.630178238	0.00235436	GPR116	ENSG00000069122
6	47173104	47173359	47173231	15	15	2	5.114179696	0.00088103	GPR110	ENSG00000153292
6	47557529	47557812	47557670	15	17	4	3.452071295	0.00292757	CD2AP	ENSG00000198087
6	47647630	47647809	47647719	8	8	1	4.315089119	0.0127267		ENSG00000216813
6	47740875	47741122	47740998	11	13	4	2.684944341	0.01921	GPR111	ENSG00000164393
6	47745665	47746037	47745872	19	24	3	5.993179332	2.17E-05	GPR111	ENSG00000164393
6	47774039	47774259	47774158	11	12	0	12.46581301	0.000159888	GPR115	ENSG00000153294
6	48186680	48187143	48186939	57	82	1	39.79471076	2.41E-23		ENSG00000214653
6	49340545	49340825	49340685	13	14	0	14.3836304	4.17E-05		ENSG00000217631
6	50106681	50106913	50106784	8	10	2	3.515998541	0.0136204	DEFB110	ENSG00000203970
6	51445867	51446322	51446045	16	24	7	2.996589666	0.00154378		ENSG00000212532
6	51765113	51765345	51765226	13	15	0	15.34253909	2.13E-05		ENSG00000211003
6	52036341	52036719	52036520	20	28	2	9.2694507	4.06E-07	PKHD1	ENSG00000170927
6	52105367	52105575	52105459	8	9	4	1.917817386	0.103282		ENSG00000207604
6	52472018	52472213	52472146	8	9	3	2.397271733	0.0539397	TRAM2	ENSG00000065308
6	52476696	52476909	52476867	10	12	2	4.155271003	0.0046638	TRAM2	ENSG00000065308
6	52477101	52477476	52477266	8	14	2	4.794543465	0.00154571	TRAM2	ENSG00000065308
6	52524190	52524485	52524341	12	13	9	1.34247217	0.232231	TRAM2	ENSG00000065308
6	52855215	52855399	52855307	9	9	2	3.19636231	0.0229249		ENSG00000216211
6	53034457	53034730	53034593	8	10	3	2.636998906	0.034203	ICK	ENSG00000112144
6	53085319	53085565	53085439	9	11	1	5.753452158	0.00215302		ENSG00000211047
6	53144721	53144946	53144833	10	10	2	3.515998541	0.0136204	GCM1	ENSG00000137270
6	53268965	53269144	53269027	8	8	1	4.315089119	0.0127267		ENSG00000217527
6	53299289	53299748	53299508	12	22	6	3.150699991	0.00166398		ENSG00000217527
6	53438564	53438838	53438701	10	14	7	1.797953799	0.0806593		ENSG00000212065
6	53445748	53446250	53445915	20	29	1	14.3836304	2.72E-08		ENSG00000212065
6	53717212	53717416	53717314	10	11	6	1.643843474	0.137712	LRRC1	ENSG00000137269
6	53783923	53784225	53784074	14	15	1	7.671269544	0.000187863	LRRC1	ENSG00000137269
6	53842659	53842967	53842810	9	11	4	2.301380863	0.0459276	LRRC1	ENSG00000137269
6	54088720	54089171	54088954	59	74	3	17.97953799	1.17E-18	C6orf142	ENSG00000146147
6	54334530	54334763	54334664	11	13	2	4.474907234	0.00269459	TINAG	ENSG00000137251

6	54635402	54635685	54635547	10	13	0	13.4247217	8.16E-05		ENSG00000220773
6	54819085	54819453	54819282	9	15	7	1.917817386	0.0572317	FAM83B	ENSG00000168143
6	55184950	55185280	55185114	18	22	1	11.02744997	2.36E-06	HCRTR2	ENSG00000137252
6	55609232	55609486	55609321	9	12	2	4.155271003	0.0046638		ENSG00000220725
6	55651825	55652006	55651915	8	8	5	1.43836304	0.235762		ENSG00000220725
6	55731419	55731614	55731542	8	8	5	1.43836304	0.235762		ENSG00000220725
6	56215179	56215376	56215293	8	8	1	4.315089119	0.0127267	COL21A1	ENSG00000124749
6	56343431	56343610	56343547	8	8	5	1.43836304	0.235762	COL21A1	ENSG00000124749
6	56389851	56390030	56389940	8	8	0	8.630178238	0.00235436		ENSG00000220666
6	56515107	56515297	56515231	8	8	3	2.157544559	0.0836802	DST	ENSG00000151914
6	56515610	56515794	56515656	8	10	0	10.54799562	0.000613541	DST	ENSG00000151914
6	56625710	56626028	56625869	13	16	1	8.150723891	0.000101217	DST	ENSG00000151914
6	56632839	56633155	56632980	10	13	1	6.712360851	0.000640982	DST	ENSG00000151914
6	56636101	56636310	56636246	10	11	5	1.917817386	0.0843804	DST	ENSG00000151914
6	56714985	56715222	56715103	8	8	2	2.876726079	0.0381137	DST	ENSG00000151914
6	56971903	56972243	56972073	20	24	6	3.424673904	0.000656885		ENSG00000218980
6	57002528	57002845	57002674	11	14	2	4.794543465	0.00154571	KIAA1586	ENSG00000168116
6	57255928	57256226	57256070	13	15	1	7.671269544	0.000187863	PRIM2	ENSG00000146143
6	57289285	57289533	57289409	12	14	4	2.876726079	0.01219	PRIM2	ENSG00000146143
6	57290056	57290402	57290229	8	13	2	4.474907234	0.00269459	PRIM2	ENSG00000146143
6	57464668	57464997	57464830	10	13	1	6.712360851	0.000640982	PRIM2	ENSG00000146143
6	57489026	57489205	57489063	8	8	2	2.876726079	0.0381137	PRIM2	ENSG00000146143
6	57564308	57564507	57564356	8	9	0	9.589086931	0.00120187		ENSG00000214566
6	57572576	57572793	57572732	8	9	5	1.598181155	0.170911		ENSG00000214566
6	57573543	57574271	57573900	30	53	3	12.94526736	6.19E-13		ENSG00000214566
6	57607926	57608105	57608019	8	9	0	9.589086931	0.00120187		ENSG00000214566
6	58881682	58882028	58881859	27	29	37	0.757033179	0.874819		ENSG00000214561
6	58882333	58882677	58882505	39	39	44	0.852363283	0.769733		ENSG00000214561
6	58882797	58883132	58882964	30	31	19	1.534253909	0.0623199		ENSG00000214561
6	58884051	58887389	58886886	255	2161	2308	0.897860803	0.999842		ENSG00000214561
6	58887620	58887957	58887788	29	33	22	1.417517198	0.0941994		ENSG00000214561
6	61958642	61958973	61958807	31	31	44	0.681890626	0.95316		ENSG00000220030
6	61967595	61967921	61967758	12	12	15	0.779113313	0.750998		ENSG00000220030
6	63767274	63767526	63767369	10	12	0	12.46581301	0.000159888		ENSG00000217477

6	63767615	63767795	63767705	8	8	0	8.630178238	0.00235436		ENSG00000217477
6	64328861	64329073	64328967	8	9	1	4.794543465	0.00708517	PTP4A1	ENSG00000112245
6	64333408	64333627	64333519	12	12	5	2.077635502	0.0577144	PTP4A1	ENSG00000112245
6	64341396	64341828	64341581	101	118	4	22.82202689	9.61E-30	PTP4A1	ENSG00000112245
6	64342187	64342513	64342336	12	16	2	5.433815927	0.000499302	PTP4A1	ENSG00000112245
6	65517550	65517855	65517702	13	17	0	17.26035648	5.54E-06		ENSG00000219332
6	67826299	67826537	67826407	13	15	3	3.835634772	0.00291691		ENSG00000220995
6	69006047	69006352	69006199	14	15	0	15.34253909	2.13E-05		ENSG00000218834
6	72133981	72134867	72134340	136	183	6	25.20559993	1.60E-45		ENSG00000199094
6	73553997	73554332	73554164	13	16	2	5.433815927	0.000499302	KCNQ5	ENSG00000185760
6	74470645	74471113	74470810	10	18	3	4.554816292	0.000599415	CD109	ENSG00000156535
6	74873369	74873550	74873461	8	8	0	8.630178238	0.00235436		ENSG00000217268
6	76038576	76039044	76038783	32	45	2	14.70326663	1.04E-11	TMEM30A	ENSG00000112697
6	76051377	76051843	76051706	8	16	5	2.716907964	0.0109645	TMEM30A	ENSG00000112697
6	76368766	76368976	76368871	9	9	0	9.589086931	0.00120187	SENP6	ENSG00000112701
6	79019526	79019748	79019604	12	12	0	12.46581301	0.000159888		
6	80219947	80220423	80220214	16	27	0	26.84944341	6.66E-09		ENSG00000218748
6	80311427	80311865	80311646	24	36	3	8.869905411	1.98E-08	LCA5	ENSG00000135338
6	81302479	81303260	81302863	47	85	2	27.48871587	7.24E-23		ENSG00000216352
6	82526331	82526706	82526510	33	41	0	40.27416511	5.44E-13		ENSG00000206886
6	83905192	83905530	83905361	11	12	0	12.46581301	0.000159888	DOPEY1	ENSG00000083097
6	85602648	85603075	85602852	19	30	2	9.908723162	1.20E-07	TBX18	ENSG00000112837
6	88188117	88188316	88188235	8	8	4	1.726035648	0.150596		ENSG00000216324
6	88238860	88239054	88238957	8	8	3	2.157544559	0.0836802	SLC35A1	ENSG00000164414
6	89729972	89730161	89730036	8	8	2	2.876726079	0.0381137	RNGTT	ENSG00000111880
6	90202681	90202886	90202783	8	8	1	4.315089119	0.0127267	ANKRD6	ENSG00000135299
6	94911185	94911724	94911444	57	78	3	18.93844669	9.21E-20		ENSG00000220370
6	96278377	96278593	96278479	8	10	1	5.273997812	0.00391723		ENSG00000219549
6	96711010	96711386	96711207	25	32	4	6.328797374	9.93E-07		ENSG00000223167
6	96859769	96860055	96859912	10	10	1	5.273997812	0.00391723		ENSG00000209313
6	99676423	99676640	99676576	12	13	1	6.712360851	0.000640982		ENSG00000168768
6	99980054	99980265	99980159	8	9	0	9.589086931	0.00120187	SFRS18	ENSG00000132424
6	100377381	100377601	100377472	9	10	3	2.636998906	0.034203	MCHR2	ENSG00000152034
6	100391088	100391437	100391266	58	63	2	20.45671879	1.09E-16	MCHR2	ENSG00000152034

6	100551793	100552070	100551931	8	12	1	6.232906505	0.00117736	MCHR2	ENSG00000152034
6	101034142	101034360	101034240	8	9	2	3.19636231	0.0229249	SIM1	ENSG00000112246
6	101047764	101048199	101047913	16	22	5	3.675816657	0.000667901	SIM1	ENSG00000112246
6	101435334	101435680	101435507	13	19	7	2.397271733	0.0127287	ASCC3	ENSG00000112249
6	102953530	102953988	102953761	32	47	0	46.02761727	9.62E-15		ENSG00000219757
6	106546130	106546333	106546231	11	11	0	11.50690432	0.000313206		ENSG00000200198
6	106653000	106653383	106653204	22	29	2	9.589086931	2.21E-07	PRDM1	ENSG00000057657
6	107656710	107657046	107656879	22	24	0	23.97271733	5.01E-08		ENSG00000203285
6	107658352	107658821	107658557	37	49	5	7.990905775	2.72E-10		ENSG00000220237
6	107846141	107846320	107846230	8	8	1	4.315089119	0.0127267	PDSS2	ENSG00000164494
6	107887371	107887579	107887456	8	9	2	3.19636231	0.0229249	PDSS2	ENSG00000164494
6	109167456	109167684	109167570	8	9	5	1.598181155	0.170911		ENSG00000203801
6	109325214	109325737	109325475	143	172	1	82.94560195	2.60E-49		ENSG00000185796
6	109369266	109369451	109369319	8	8	0	8.630178238	0.00235436		ENSG00000185796
6	109375517	109375771	109375613	8	11	2	3.835634772	0.00800699		ENSG00000185796
6	109436619	109437259	109436945	49	83	6	11.50690432	2.73E-18	SESN1	ENSG00000080546
6	109443262	109443498	109443380	8	9	1	4.794543465	0.00708517		ENSG00000208908
6	110309796	110310017	110309861	9	12	1	6.232906505	0.00117736	GPR6	ENSG00000146360
6	110310020	110310433	110310226	33	44	1	21.57544559	1.67E-12	GPR6	ENSG00000146360
6	110493285	110493597	110493441	11	15	0	15.34253909	2.13E-05	GPR6	ENSG00000146360
6	110606596	110606869	110606732	10	11	1	5.753452158	0.00215302	WASF1	ENSG00000112290
6	111534787	111535375	111535146	55	74	0	71.91815198	1.26E-22		ENSG00000200926
6	111911746	111912431	111912042	133	195	3	46.98652596	8.98E-53	REV3L	ENSG00000009413
6	112001036	112001292	112001164	9	11	2	3.835634772	0.00800699	TRAF3IP2	ENSG00000056972
6	112415217	112415674	112415427	56	68	2	22.05489994	4.35E-18	WISP3	ENSG00000112761
6	113861463	113861697	113861615	8	9	2	3.19636231	0.0229249		ENSG00000222677
6	114071046	114071230	114071138	8	8	2	2.876726079	0.0381137		ENSG00000221559
6	115498705	115499156	115498936	44	57	1	27.8083521	3.40E-16		ENSG00000208800
6	116780470	116780812	116780641	15	20	1	10.06854128	8.32E-06	DSE	ENSG00000111817
6	118640769	118641072	118640920	12	15	0	15.34253909	2.13E-05		ENSG00000216809
6	119001814	119002213	119002034	42	51	1	24.93162602	1.73E-14		ENSG00000217330
6	119076919	119077227	119077073	10	16	0	16.30144778	1.09E-05	C6orf204	ENSG00000111860
6	119600139	119600549	119600371	196	237	167	1.358453982	0.00108802		ENSG00000216316
6	120127882	120128125	120127988	15	18	0	18.21926517	2.83E-06	MAN1A1	ENSG00000111885

6	123059738	123060014	123059879	8	11	3	2.876726079	0.0213797	PKIB	ENSG00000135549
6	125408926	125409324	125409074	20	24	1	11.98635866	6.63E-07	RNF217	ENSG00000146373
6	125516446	125516639	125516548	8	8	0	8.630178238	0.00235436	TPD52L1	ENSG00000111907
6	125616842	125617111	125616976	18	19	4	3.835634772	0.00108365	TPD52L1	ENSG00000111907
6	125947381	125947766	125947514	12	18	2	6.073088389	0.000157975	HEY2	ENSG00000135547
6	126143056	126143280	126143158	11	12	3	3.116453252	0.0131971	NCOA7	ENSG00000111912
6	127949164	127949571	127949336	37	47	0	46.02761727	9.62E-15	C6orf58	ENSG00000184530
6	129509738	129509986	129509862	9	12	0	12.46581301	0.000159888		ENSG00000219642
6	131220368	131220682	131220539	10	14	0	14.3836304	4.17E-05	EPB41L2	ENSG00000079819
6	132366481	132366730	132366611	11	13	0	13.4247217	8.16E-05	CTGF	ENSG00000118523
6	132615026	132615336	132615181	8	12	2	4.155271003	0.0046638		ENSG00000220956
6	133635621	133635956	133635788	18	21	22	0.917217011	0.614252		ENSG00000208647
6	134200664	134200894	134200797	11	11	4	2.301380863	0.0459276	TCF21	ENSG00000118526
6	134420301	134420561	134420473	8	10	0	10.54799562	0.000613541	SLC2A12	ENSG00000146411
6	134537247	134537471	134537414	8	9	0	9.589086931	0.00120187	SGK1	ENSG00000118515
6	135548441	135548629	135548534	11	12	1	6.232906505	0.00117736	MYB	ENSG00000118513
6	137520444	137520759	137520606	12	15	2	5.114179696	0.00088103	IL22RA2	ENSG00000164485
6	137654351	137654589	137654470	8	8	1	4.315089119	0.0127267	IFNGR1	ENSG00000027697
6	137839442	137839669	137839512	11	13	2	4.474907234	0.00269459	OLIG3	ENSG00000177468
6	138176349	138176560	138176454	10	10	3	2.636998906	0.034203		ENSG00000207300
6	138397817	138398250	138398045	73	88	3	21.33571842	1.56E-22		ENSG00000219463
6	138451172	138451420	138451267	9	10	1	5.273997812	0.00391723	PERP	ENSG00000112378
6	139180662	139180932	139180797	10	12	1	6.232906505	0.00117736		ENSG00000218003
6	139582147	139582378	139582262	9	11	2	3.835634772	0.00800699	TXLNB	ENSG00000164440
6	139794130	139794352	139794244	13	15	3	3.835634772	0.00291691	CITED2	ENSG00000164442
6	142509760	142510209	142509939	10	17	2	5.753452158	0.000281509	VTA1	ENSG00000009844
6	142810245	142810441	142810343	8	8	0	8.630178238	0.00235436	GPR126	ENSG00000112414
6	143205607	143205875	143205741	10	11	3	2.876726079	0.0213797	HIVEP2	ENSG00000010818
6	143216281	143216541	143216410	8	10	2	3.515998541	0.0136204	HIVEP2	ENSG00000010818
6	143691784	143691993	143691927	8	8	2	2.876726079	0.0381137		ENSG00000216642
6	143813444	143813696	143813600	10	13	1	6.712360851	0.000640982	PEX3	ENSG00000034693
6	144706939	144707203	144707087	11	15	5	2.557089848	0.0169197	UTRN	ENSG00000152818
6	145020462	145020659	145020560	8	9	0	9.589086931	0.00120187	UTRN	ENSG00000152818
6	145876009	145876233	145876121	9	9	0	9.589086931	0.00120187		ENSG00000217612

6	147407083	147407609	147407245	44	58	0	56.57561289	5.90E-18		ENSG00000216063
6	147585502	147585760	147585631	8	10	2	3.515998541	0.0136204	STXBP5	ENSG00000164506
6	148538746	148538945	148538845	9	9	2	3.19636231	0.0229249	SASH1	ENSG00000111961
6	148737013	148737254	148737148	8	10	1	5.273997812	0.00391723	SASH1	ENSG00000111961
6	149248818	149249158	149248988	14	19	4	3.835634772	0.00108365		ENSG00000203725
6	149442641	149442998	149442819	29	35	6	4.931530421	2.65E-06		ENSG00000219487
6	149699426	149699806	149699638	69	77	2	24.93162602	1.30E-20	MAP3K7IP2	ENSG00000055208
6	149741844	149742236	149742022	18	26	1	12.94526736	1.86E-07	SUMO4	ENSG00000177688
6	149841581	149841899	149841740	16	22	0	22.05489994	1.92E-07	ZC3H12D	ENSG00000178199
6	149908892	149909072	149908982	8	9	3	2.397271733	0.0539397	PPIL4	ENSG00000131013
6	150210522	150210767	150210644	8	11	1	5.753452158	0.00215302	LRP11	ENSG00000120256
6	150613701	150613962	150613848	15	17	2	5.753452158	0.000281509		ENSG00000201628
6	151219795	151220605	151220201	76	107	0	103.5621389	2.90E-32	MTHFD1L	ENSG00000120254
6	151367558	151367834	151367696	8	9	4	1.917817386	0.103282		ENSG00000221469
6	151815018	151815272	151815145	8	11	3	2.876726079	0.0213797	C6orf211	ENSG00000146476
6	151886855	151887290	151887104	17	28	0	27.8083521	3.40E-09	C6orf97	ENSG00000120262
6	151920815	151921204	151920994	10	18	0	18.21926517	2.83E-06		ENSG00000207422
6	152020822	152021184	152020993	10	16	6	2.328778255	0.0221113	ESR1	ENSG00000091831
6	152045933	152046160	152046046	8	9	1	4.794543465	0.00708517	ESR1	ENSG00000091831
6	152058020	152058254	152058145	9	11	3	2.876726079	0.0213797	ESR1	ENSG00000091831
6	152128293	152128836	152128493	60	82	2	26.52980717	5.08E-22	ESR1	ENSG00000091831
6	152458072	152458327	152458199	11	12	2	4.155271003	0.0046638	C6orf98	ENSG00000222029
6	152584574	152585015	152584803	53	66	0	64.24688243	2.72E-20	SYNE1	ENSG00000131018
6	152676800	152677206	152677003	43	53	0	51.78106943	1.70E-16	SYNE1	ENSG00000131018
6	152938693	152939003	152938849	20	24	0	23.97271733	5.01E-08	SYNE1	ENSG00000131018
6	153934572	153934801	153934745	10	12	0	12.46581301	0.000159888		ENSG00000208470
6	154090896	154091083	154090989	9	9	1	4.794543465	0.00708517		ENSG00000199246
6	154655869	154656095	154655982	9	11	3	2.876726079	0.0213797		ENSG00000074706
6	154873476	154873655	154873544	8	8	1	4.315089119	0.0127267	CNKSR3	ENSG00000153721
6	155038428	155038689	155038564	15	17	3	4.315089119	0.00102271		ENSG00000205625
6	155291236	155291415	155291325	8	8	3	2.157544559	0.0836802		ENSG00000223286
6	157143223	157143452	157143354	9	11	3	2.876726079	0.0213797	ARID1B	ENSG00000049618
6	157897795	157897993	157897869	9	9	0	9.589086931	0.00120187		ENSG00000219448
6	157938481	157938751	157938607	9	10	2	3.515998541	0.0136204	ZDHHC14	ENSG00000175048

6	157989542	157989926	157989717	27	33	0	32.60289556	1.18E-10	ZDHHC14	ENSG00000175048
6	158104487	158104749	158104618	9	10	2	3.515998541	0.0136204		ENSG00000208440
6	158105496	158105777	158105636	8	12	2	4.155271003	0.0046638		ENSG00000208440
6	158349301	158349503	158349402	8	9	1	4.794543465	0.00708517	SYNJ2	ENSG00000078269
6	158381266	158381665	158381445	9	16	4	3.260289556	0.00475414	SYNJ2	ENSG00000078269
6	158383292	158383576	158383446	8	10	0	10.54799562	0.000613541	SYNJ2	ENSG00000078269
6	158390561	158391128	158390709	11	24	5	3.995452888	0.00024777	SYNJ2	ENSG00000078269
6	158463134	158463488	158463313	31	36	3	8.869905411	1.98E-08	SYNJ2	ENSG00000078269
6	159078801	159079072	159078936	10	13	3	3.356180426	0.00805599		ENSG00000219249
6	159190935	159191159	159191083	8	9	2	3.19636231	0.0229249		ENSG00000213077
6	159238276	159238662	159238483	20	27	0	26.84944341	6.66E-09		ENSG00000213076
6	159593924	159594515	159594148	42	59	4	11.50690432	1.18E-13	FNDC1	ENSG00000164694
6	161734989	161735179	161735084	8	8	0	8.630178238	0.00235436	AGPAT4	ENSG00000026652
6	163728381	163728759	163728560	28	35	0	34.52071295	3.07E-11		ENSG00000217514
6	163975567	163976226	163975845	70	110	1	53.21943246	2.14E-31		ENSG00000222470
6	165714071	165714540	165714388	12	23	0	23.01380863	9.81E-08		ENSG00000199523
6	166223601	166223844	166223722	9	9	1	4.794543465	0.00708517		ENSG00000222214
6	166362794	166363002	166362842	8	9	1	4.794543465	0.00708517		ENSG00000216624
6	166681431	166681709	166681559	17	20	2	6.712360851	4.91E-05	SFT2D1	ENSG00000198818
6	167894570	167894840	167894705	8	10	1	5.273997812	0.00391723		ENSG00000213065
6	168513844	168514097	168513924	8	9	1	4.794543465	0.00708517	DACT2	ENSG00000164488
6	169366236	169366459	169366384	9	9	0	9.589086931	0.00120187	THBS2	ENSG00000186340
6	169851051	169851284	169851163	9	11	0	11.50690432	0.000313206	C6orf120	ENSG00000185127
6	170183536	170183715	170183637	8	8	8	0.958908693	0.534974		ENSG00000218716
6	170183717	170183897	170183780	9	10	3	2.636998906	0.034203		ENSG00000218716
6	170383550	170383849	170383700	15	17	0	17.26035648	5.54E-06		ENSG00000218716
7	244316	244604	244453	9	11	3	2.876726079	0.0213797	FAM20C	ENSG00000177706
7	545961	546628	546180	74	101	5	16.30144778	5.16E-24	PDGFA	ENSG00000197461
7	624926	625105	625015	9	9	1	4.794543465	0.00708517	PRKAR1B	ENSG00000188191
7	647532	647754	647613	8	10	0	10.54799562	0.000613541	PRKAR1B	ENSG00000188191
7	708180	708359	708251	8	8	0	8.630178238	0.00235436	PRKAR1B	ENSG00000188191
7	711699	711937	711856	10	12	3	3.116453252	0.0131971	PRKAR1B	ENSG00000188191
7	792591	792942	792717	8	13	3	3.356180426	0.00805599		ENSG00000206016
7	837908	838185	838056	11	11	3	2.876726079	0.0213797	UNC84A	ENSG00000164828

7	999343	999579	999461	11	12	2	4.155271003	0.0046638	CYP2W1	ENSG00000073067
7	1143365	1143659	1143512	19	22	3	5.513724985	6.69E-05	C7orf50	ENSG00000146540
7	1308924	1309505	1309238	41	74	0	71.91815198	1.26E-22	UNCX	ENSG00000164853
7	1513160	1513400	1513280	11	13	4	2.684944341	0.01921	INTS1	ENSG00000164880
7	1519488	1519761	1519637	11	13	3	3.356180426	0.00805599	INTS1	ENSG00000164880
7	1543338	1543625	1543477	9	11	3	2.876726079	0.0213797	MAFK	ENSG00000198517
7	1585727	1585967	1585837	8	10	6	1.506856518	0.188853	PSMG3	ENSG00000157778
7	1716048	1716279	1716183	9	10	3	2.636998906	0.034203		ENSG00000205971
7	1818304	1818576	1818457	9	11	4	2.301380863	0.0459276		ENSG00000176349
7	1889430	1889654	1889557	8	8	0	8.630178238	0.00235436		ENSG00000215135
7	1902484	1902986	1902716	26	43	0	42.19198249	1.42E-13		ENSG00000215135
7	1944589	1944951	1944772	21	28	3	6.952088025	2.20E-06		ENSG00000215135
7	1986224	1986724	1986474	18	30	2	9.908723162	1.20E-07		ENSG00000215135
7	2176072	2176626	2176316	129	175	4	33.753586	1.00E-45	MAD1L1	ENSG00000002822
7	2179097	2179364	2179228	14	15	5	2.557089848	0.0169197	MAD1L1	ENSG00000002822
7	2431534	2431856	2431695	11	14	2	4.794543465	0.00154571		ENSG00000175873
7	2533945	2534170	2534057	12	12	2	4.155271003	0.0046638	LFNG	ENSG00000106003
7	2639518	2639808	2639639	11	13	1	6.712360851	0.000640982	TTYH3	ENSG00000136295
7	2763757	2764054	2763961	8	12	6	1.78083043	0.0985525	GNA12	ENSG00000146535
7	2764136	2764455	2764288	13	17	5	2.876726079	0.00703033	GNA12	ENSG00000146535
7	2792305	2792551	2792428	9	9	5	1.598181155	0.170911	GNA12	ENSG00000146535
7	2808817	2809031	2808968	10	11	3	2.876726079	0.0213797	GNA12	ENSG00000146535
7	2850871	2851050	2850940	8	8	6	1.232882605	0.333038	GNA12	ENSG00000146535
7	2871870	2872088	2871979	10	12	3	3.116453252	0.0131971	GNA12	ENSG00000146535
7	3004378	3004719	3004557	15	18	0	18.21926517	2.83E-06		ENSG00000201794
7	3222194	3222426	3222299	12	12	7	1.558226626	0.152813		ENSG00000217455
7	3381268	3381600	3381434	9	15	1	7.671269544	0.000187863		ENSG00000211544
7	3410654	3410918	3410757	10	13	1	6.712360851	0.000640982		ENSG00000211544
7	3488771	3488955	3488863	8	8	4	1.726035648	0.150596		ENSG00000211544
7	3634855	3635118	3634968	10	13	1	6.712360851	0.000640982		ENSG00000211544
7	3658395	3658659	3658527	8	10	1	5.273997812	0.00391723		ENSG00000211544
7	4160037	4160224	4160153	8	9	2	3.19636231	0.0229249	SDK1	ENSG00000146555
7	4632252	4632498	4632375	8	9	5	1.598181155	0.170911	FOXK1	ENSG00000164916
7	4637851	4638110	4637992	13	17	5	2.876726079	0.00703033	FOXK1	ENSG00000164916

7	4648007	4648189	4648098	8	8	3	2.157544559	0.0836802	FO XK1	ENSG00000164916
7	4661503	4661834	4661663	9	13	0	13.4247217	8.16E-05	FO XK1	ENSG00000164916
7	4690197	4690898	4690532	19	38	8	4.155271003	5.31E-06	FO XK1	ENSG00000164916
7	4855681	4855975	4855828	10	11	2	3.835634772	0.00800699	PAPOLB	ENSG00000218823
7	4979868	4980159	4980012	12	12	2	4.155271003	0.0046638	RNF216L	ENSG00000196204
7	5402549	5402845	5402682	11	13	4	2.684944341	0.01921		ENSG00000182095
7	5403291	5403762	5403597	17	25	4	4.986325204	4.72E-05		ENSG00000182095
7	5424515	5424895	5424694	9	16	3	4.075361945	0.00173346		ENSG00000188365
7	5428818	5429019	5428870	8	8	0	8.630178238	0.00235436		ENSG00000188365
7	5431758	5432000	5431914	8	9	4	1.917817386	0.103282		ENSG00000182095
7	5432378	5432561	5432469	9	9	9	0.958908693	0.536911		ENSG00000182095
7	5474922	5475227	5475081	10	11	3	2.876726079	0.0213797		ENSG00000210024
7	5500766	5501004	5500915	9	11	2	3.835634772	0.00800699		ENSG00000207973
7	5532100	5532727	5532366	33	52	2	16.94072024	1.23E-13	ACTB	ENSG00000075624
7	5565084	5565309	5565189	9	11	9	1.150690432	0.367789		ENSG00000169549
7	5568940	5569151	5568993	8	10	3	2.636998906	0.034203		ENSG00000169549
7	5652904	5653375	5653197	48	65	1	31.64398687	1.78E-18		ENSG00000215059
7	5684211	5684469	5684332	9	11	4	2.301380863	0.0459276		ENSG00000215059
7	5698934	5699233	5699054	14	16	7	2.037680973	0.0400399		ENSG00000215059
7	6001691	6002181	6001884	15	26	10	2.353684974	0.00551687		ENSG00000201990
7	6064703	6064980	6064869	9	12	4	2.493162602	0.0299057	EIF2AK1	ENSG00000086232
7	6233547	6233726	6233651	8	8	1	4.315089119	0.0127267		ENSG00000202273
7	6338273	6338490	6338323	8	9	1	4.794543465	0.00708517		ENSG00000178397
7	6391564	6391853	6391699	10	14	5	2.397271733	0.0258078	RAC1	ENSG00000136238
7	6454732	6454948	6454840	8	8	0	8.630178238	0.00235436	DAGLB	ENSG00000164535
7	6565109	6565337	6565246	9	10	4	2.109599125	0.0694668	GRID2IP	ENSG00000215045
7	6580201	6580380	6580336	8	8	0	8.630178238	0.00235436	ZDHHC4	ENSG00000136247
7	6608498	6608726	6608631	9	10	3	2.636998906	0.034203	C7orf26	ENSG00000146576
7	6713141	6713414	6713270	20	21	8	2.343999027	0.0109478	ZNF12	ENSG00000164631
7	6735645	6735867	6735783	8	8	4	1.726035648	0.150596	PMS2CL	ENSG00000187953
7	7105571	7106042	7105846	17	31	5	5.114179696	6.54E-06		ENSG00000201218
7	7120993	7121241	7121083	8	10	5	1.757999271	0.121253		ENSG00000201218
7	7183119	7183356	7183237	8	8	1	4.315089119	0.0127267	C1GALT1	ENSG00000106392
7	7188100	7188394	7188267	10	14	5	2.397271733	0.0258078	C1GALT1	ENSG00000106392

7	7333614	7333930	7333772	21	24	2	7.990905775	4.56E-06		ENSG00000218370
7	7335524	7335868	7335698	20	25	2	8.310542006	2.50E-06		ENSG00000218370
7	7360876	7361159	7361008	10	11	7	1.43836304	0.204844		ENSG00000218370
7	7445080	7445604	7445356	12	22	1	11.02744997	2.36E-06	COL28A1	ENSG00000215018
7	7452795	7453171	7452961	20	26	1	12.94526736	1.86E-07	COL28A1	ENSG00000215018
7	7570564	7570864	7570714	13	15	7	1.917817386	0.0572317		ENSG00000164654
7	7572199	7572551	7572375	12	17	7	2.157544559	0.0276499		ENSG00000164654
7	7786147	7786327	7786286	8	8	2	2.876726079	0.0381137		ENSG00000219545
7	7805329	7805605	7805492	19	20	1	10.06854128	8.32E-06		ENSG00000219545
7	7814387	7814586	7814486	10	10	3	2.636998906	0.034203		ENSG00000219545
7	8002690	8002977	8002864	18	19	3	4.794543465	0.000349205		ENSG00000217142
7	8266960	8267230	8267090	14	14	2	4.794543465	0.00154571	ICA1	ENSG00000003147
7	8267371	8267571	8267443	8	9	2	3.19636231	0.0229249	ICA1	ENSG00000003147
7	8297186	8297383	8297284	8	8	11	0.71918152	0.777546	ICA1	ENSG00000003147
7	8302325	8302531	8302390	10	10	4	2.109599125	0.0694668	ICA1	ENSG00000003147
7	8332163	8332415	8332258	16	18	7	2.277408146	0.0188653	ICA1	ENSG00000003147
7	8443171	8443353	8443287	8	8	8	0.958908693	0.534974	NXPH1	ENSG00000122584
7	8499521	8499711	8499616	8	8	2	2.876726079	0.0381137	NXPH1	ENSG00000122584
7	8764563	8764794	8764678	8	9	0	9.589086931	0.00120187	NXPH1	ENSG00000122584
7	10605291	10605599	10605421	8	11	1	5.753452158	0.00215302		ENSG00000216737
7	10765441	10765885	10765719	12	17	5	2.876726079	0.00703033		ENSG00000201774
7	11088735	11089336	11089101	85	119	0	115.0690432	9.08E-36		ENSG00000219777
7	12415295	12415474	12415384	8	8	0	8.630178238	0.00235436		ENSG00000178459
7	12501069	12501308	12501147	8	9	0	9.589086931	0.00120187		ENSG00000203523
7	12563478	12564152	12563800	106	135	1	65.20579113	1.31E-38	SCIN	ENSG00000006747
7	12653849	12654120	12653984	13	16	6	2.328778255	0.0221113	ARL4A	ENSG00000122644
7	12811503	12811926	12811671	8	14	1	7.191815198	0.00034761		ENSG00000222974
7	12815589	12815979	12815819	18	25	1	12.46581301	3.51E-07		ENSG00000222974
7	12899427	12899757	12899592	11	14	1	7.191815198	0.00034761		ENSG00000222974
7	13037703	13037908	13037805	9	9	4	1.917817386	0.103282		ENSG00000216374
7	14108236	14108510	14108373	8	11	0	11.50690432	0.000313206		ENSG00000220499
7	16427863	16428335	16428112	28	39	1	19.17817386	4.29E-11		ENSG00000214960
7	16438350	16438578	16438419	8	11	5	1.917817386	0.0843804		ENSG00000214960
7	16659018	16659428	16659223	24	33	2	10.86763185	1.89E-08	BZW2	ENSG00000136261

7	16674212	16674561	16674375	15	20	5	3.356180426	0.0017534	BZW2	ENSG00000136261
7	16776852	16777212	16776998	9	13	4	2.684944341	0.01921	TSPAN13	ENSG00000106537
7	16897644	16897863	16897800	8	9	1	4.794543465	0.00708517		ENSG00000217531
7	16996110	16996450	16996269	10	15	6	2.191791298	0.0328001		ENSG00000219142
7	17212552	17212759	17212655	8	9	1	4.794543465	0.00708517		ENSG00000209101
7	17496174	17496535	17496353	34	41	2	13.4247217	1.29E-10		ENSG00000199473
7	17565255	17565453	17565354	9	9	8	1.065454103	0.442605		ENSG00000199473
7	17775977	17776270	17776123	11	14	2	4.794543465	0.00154571	SNX13	ENSG00000071189
7	17777148	17777537	17777358	23	31	0	30.68507818	4.52E-10	SNX13	ENSG00000071189
7	17938939	17939131	17939022	8	8	0	8.630178238	0.00235436	SNX13	ENSG00000071189
7	18426875	18427318	18427104	53	68	4	13.23293996	4.71E-16	HDAC9	ENSG00000048052
7	19241867	19242054	19241996	8	8	0	8.630178238	0.00235436	FERD3L	ENSG00000146618
7	20314244	20314423	20314333	8	8	3	2.157544559	0.0836802	ITGB8	ENSG00000105855
7	21586313	21586585	21586431	18	21	2	7.031997082	2.73E-05	DNAH11	ENSG00000105877
7	21721297	21721488	21721392	8	8	2	2.876726079	0.0381137	DNAH11	ENSG00000105877
7	22357031	22357246	22357138	8	9	2	3.19636231	0.0229249	RAPGEF5	ENSG00000136237
7	22363765	22364058	22363901	11	14	1	7.191815198	0.00034761	RAPGEF5	ENSG00000136237
7	22674075	22674283	22674197	10	11	0	11.50690432	0.000313206		ENSG00000179460
7	22679570	22679970	22679744	8	14	12	1.106433107	0.392094		ENSG00000179460
7	22752656	22753066	22752828	17	25	0	24.93162602	2.56E-08		ENSG00000210285
7	23092272	23092459	23092405	8	9	0	9.589086931	0.00120187	KLHL7	ENSG00000122550
7	23197225	23197420	23197325	8	9	4	1.917817386	0.103282	NUPL2	ENSG00000136243
7	23340804	23341081	23340943	10	15	2	5.114179696	0.00088103	C7orf30	ENSG00000156928
7	23553166	23553406	23553331	9	10	2	3.515998541	0.0136204		ENSG00000164548
7	24977418	24977814	24977597	15	24	1	11.98635866	6.63E-07	OSBPL3	ENSG00000070882
7	25131467	25131747	25131580	8	10	3	2.636998906	0.034203	CYCS	ENSG00000172115
7	25405588	25405767	25405679	8	8	0	8.630178238	0.00235436		ENSG00000202233
7	25574785	25575225	25575051	11	19	6	2.739739123	0.00632909		ENSG00000222101
7	25589083	25589367	25589251	9	11	3	2.876726079	0.0213797		ENSG00000222101
7	25810330	25810645	25810487	41	42	3	10.30826845	5.31E-10		ENSG00000199085
7	25810936	25811170	25811011	11	11	3	2.876726079	0.0213797		ENSG00000199085
7	25899240	25899493	25899366	8	9	0	9.589086931	0.00120187		ENSG00000199085
7	26193724	26193962	26193843	9	10	1	5.273997812	0.00391723	HNRNPA2B	ENSG00000122566
7	26205819	26206105	26205956	11	13	2	4.474907234	0.00269459	HNRNPA2B	ENSG00000122566

7	26291142	26291465	26291306	12	15	2	5.114179696	0.00088103	SNX10	ENSG00000086300
7	26375817	26376039	26375922	8	9	2	3.19636231	0.0229249	SNX10	ENSG00000086300
7	26673686	26673977	26673848	13	15	3	3.835634772	0.00291691		ENSG00000222004
7	26698377	26698556	26698466	9	9	2	3.19636231	0.0229249		ENSG00000222004
7	26720060	26720334	26720198	12	14	0	14.3836304	4.17E-05		ENSG00000222004
7	27148686	27148886	27148782	9	9	1	4.794543465	0.00708517	HOXA5	ENSG00000106004
7	27430446	27430630	27430546	9	10	3	2.636998906	0.034203		ENSG00000177093
7	27561493	27561731	27561610	11	11	1	5.753452158	0.00215302		ENSG00000203508
7	27669213	27669423	27669318	15	16	6	2.328778255	0.0221113	HIBADH	ENSG00000106049
7	27790513	27790716	27790589	10	11	4	2.301380863	0.0459276	TAX1BP1	ENSG00000106052
7	28026582	28026797	28026689	13	13	5	2.237453617	0.038866		ENSG00000206623
7	28043430	28043715	28043598	10	12	1	6.232906505	0.00117736		ENSG00000206623
7	28064359	28064627	28064493	8	9	1	4.794543465	0.00708517		ENSG00000206623
7	28110494	28110868	28110699	9	15	5	2.557089848	0.0169197		ENSG00000206623
7	28513756	28514058	28513907	9	10	1	5.273997812	0.00391723	CREB5	ENSG00000146592
7	28624666	28624906	28624736	8	9	0	9.589086931	0.00120187		ENSG00000205786
7	28632787	28633025	28632966	8	11	1	5.753452158	0.00215302		ENSG00000205786
7	28995006	28995223	28995086	8	9	0	9.589086931	0.00120187		ENSG00000176734
7	29219198	29219424	29219273	9	9	0	9.589086931	0.00120187	CHN2	ENSG00000106069
7	29334780	29335105	29334942	12	16	1	8.150723891	0.000101217	CHN2	ENSG00000106069
7	29456170	29456359	29456236	9	9	2	3.19636231	0.0229249	CHN2	ENSG00000106069
7	30032435	30032643	30032568	10	10	2	3.515998541	0.0136204	FKBP14	ENSG00000106080
7	30143184	30143441	30143340	8	10	0	10.54799562	0.000613541	C7orf41	ENSG00000180354
7	30172379	30172670	30172524	9	12	4	2.493162602	0.0299057	C7orf41	ENSG00000180354
7	30409731	30410081	30409904	18	21	1	10.54799562	4.43E-06	NOD1	ENSG00000106100
7	30511175	30511490	30511334	11	15	3	3.835634772	0.00291691	GGCT	ENSG00000006625
7	30511505	30511684	30511584	8	9	2	3.19636231	0.0229249	GGCT	ENSG00000006625
7	30557235	30557813	30557578	26	45	9	4.410979988	4.70E-07		ENSG00000196295
7	30600833	30601035	30600865	8	9	4	1.917817386	0.103282	GARS	ENSG00000106105
7	30998505	30998960	30998684	23	32	2	10.54799562	3.50E-08	GHRHR	ENSG00000106128
7	31379543	31379760	31379651	8	10	1	5.273997812	0.00391723	NEUROD6	ENSG00000164600
7	32003600	32003779	32003735	8	8	1	4.315089119	0.0127267	PDE1C	ENSG00000154678
7	32040377	32040643	32040467	8	10	1	5.273997812	0.00391723	PDE1C	ENSG00000154678
7	32124958	32125152	32125055	10	10	0	10.54799562	0.000613541	PDE1C	ENSG00000154678

7	32210569	32210827	32210711	12	12	0	12.46581301	0.000159888	PDE1C	ENSG00000154678
7	32394854	32395107	32394977	8	10	2	3.515998541	0.0136204		ENSG00000177329
7	32496087	32496752	32496577	12	35	17	1.917817386	0.00960758	LSM5	ENSG00000106355
7	32822582	32822785	32822682	8	10	4	2.109599125	0.0694668		ENSG00000210417
7	33114735	33114931	33114849	8	8	4	1.726035648	0.150596	RP9	ENSG00000164610
7	33191895	33192142	33192015	10	12	3	3.116453252	0.0131971		ENSG00000222741
7	33293876	33294655	33294186	251	334	4	64.24688243	4.71E-91		ENSG00000222741
7	33340572	33340887	33340729	8	12	2	4.155271003	0.0046638		ENSG00000222741
7	33357765	33358339	33358019	50	74	3	17.97953799	1.17E-18		ENSG00000222741
7	33675508	33675912	33675733	8	15	2	5.114179696	0.00088103		ENSG00000173862
7	33679221	33679461	33679341	9	9	2	3.19636231	0.0229249		ENSG00000173862
7	33814092	33814511	33814224	12	19	7	2.397271733	0.0127287		ENSG00000203495
7	33889164	33889402	33889283	8	10	0	10.54799562	0.000613541	BMPER	ENSG00000164619
7	33939070	33939390	33939230	12	15	12	1.180195315	0.324974	BMPER	ENSG00000164619
7	33993540	33993731	33993635	10	10	4	2.109599125	0.0694668	BMPER	ENSG00000164619
7	34040791	34041397	34041099	30	53	9	5.178106943	7.80E-09	BMPER	ENSG00000164619
7	34106929	34107145	34107037	8	10	3	2.636998906	0.034203	BMPER	ENSG00000164619
7	34140370	34140673	34140533	9	12	3	3.116453252	0.0131971		ENSG00000202431
7	34327094	34327420	34327257	8	12	5	2.077635502	0.0577144		ENSG00000202431
7	34327463	34327957	34327732	8	18	5	3.036544195	0.0044641		ENSG00000202431
7	34754601	34754848	34754724	8	9	8	1.065454103	0.442605		ENSG00000210454
7	34765515	34765941	34765762	13	21	6	3.013713035	0.00261913		ENSG00000197085
7	35031695	35032116	35031824	8	16	9	1.630144778	0.102169	DPY19L1	ENSG00000173852
7	36043432	36043847	36043591	8	15	5	2.557089848	0.0169197		ENSG00000205745
7	36054305	36054580	36054434	11	14	5	2.397271733	0.0258078		ENSG00000205745
7	36325209	36325411	36325310	11	11	5	1.917817386	0.0843804		ENSG00000201432
7	37038070	37038376	37038231	11	14	4	2.876726079	0.01219	ELMO1	ENSG00000155849
7	37494621	37495220	37494800	44	65	2	21.09599125	3.00E-17	ELMO1	ENSG00000155849
7	37598432	37598849	37598677	20	26	2	8.630178238	1.37E-06		ENSG00000178503
7	38221900	38222181	38222037	10	13	1	6.712360851	0.000640982	TRG@	ENSG00000211686
7	38564447	38564626	38564536	8	9	6	1.369869562	0.253675		ENSG00000223296
7	38860448	38860711	38860579	10	10	3	2.636998906	0.034203	VPS41	ENSG00000006715
7	39022638	39022818	39022717	8	8	0	8.630178238	0.00235436	POU6F2	ENSG00000106536
7	39706338	39706655	39706494	12	16	3	4.075361945	0.00173346		ENSG00000221013

7	39817058	39817304	39817181	8	11	5	1.917817386	0.0843804		ENSG00000213727
7	40140701	40140978	40140814	8	12	6	1.78083043	0.0985525	C7orf11	ENSG00000168303
7	40723404	40724003	40723616	245	301	1	144.7952127	9.65E-87		
7	40821499	40821825	40821662	9	12	3	3.116453252	0.0131971		
7	40849775	40850096	40849935	19	21	1	10.54799562	4.43E-06		
7	41962039	41962218	41962128	8	8	2	2.876726079	0.0381137		ENSG00000213721
7	42500929	42501215	42501067	11	14	0	14.3836304	4.17E-05	GLI3	ENSG00000106571
7	42603271	42604006	42603628	41	59	4	11.50690432	1.18E-13	C7orf25	ENSG00000136197
7	42781423	42781665	42781544	9	9	1	4.794543465	0.00708517	C7orf25	ENSG00000136197
7	42875570	42875841	42875707	9	13	4	2.684944341	0.01921	C7orf25	ENSG00000136197
7	43245763	43246122	43245921	10	16	0	16.30144778	1.09E-05		ENSG00000223258
7	43583378	43583560	43583496	8	8	0	8.630178238	0.00235436	STK17A	ENSG00000164543
7	43583607	43583959	43583783	116	121	4	23.39737211	1.41E-30	STK17A	ENSG00000164543
7	43680863	43681169	43681038	8	11	1	5.753452158	0.00215302	C7orf44	ENSG00000106603
7	43725813	43726029	43725921	9	9	0	9.589086931	0.00120187	C7orf44	ENSG00000106603
7	43735558	43735908	43735733	10	16	3	4.075361945	0.00173346	C7orf44	ENSG00000106603
7	43771091	43771409	43771217	12	16	4	3.260289556	0.00475414	BLVRA	ENSG00000106605
7	43805763	43806062	43805912	17	18	0	18.21926517	2.83E-06	BLVRA	ENSG00000106605
7	44252468	44252862	44252631	25	34	1	16.78090213	1.09E-09	YKT6	ENSG00000106636
7	44549490	44549697	44549593	8	8	0	8.630178238	0.00235436	NPC1L1	ENSG00000015520
7	44550101	44550673	44550411	23	35	4	6.90414259	1.81E-07	NPC1L1	ENSG00000015520
7	44708254	44708529	44708414	14	15	1	7.671269544	0.000187863		ENSG00000203476
7	44817246	44817428	44817337	8	8	4	1.726035648	0.150596	PPIA	ENSG00000196262
7	45039979	45040338	45040158	32	39	1	19.17817386	4.29E-11	CCM2	ENSG00000136280
7	45354004	45354259	45354149	11	12	5	2.077635502	0.0577144	RAMP3	ENSG00000122679
7	45489952	45490154	45490055	8	9	1	4.794543465	0.00708517	ADCY1	ENSG00000164742
7	45984170	45984553	45984348	15	22	4	4.410979988	0.000231863	IGFBP3	ENSG00000146674
7	47208327	47208646	47208486	12	17	3	4.315089119	0.00102271		ENSG00000214754
7	48120288	48120563	48120413	9	11	0	11.50690432	0.000313206	UPP1	ENSG00000183696
7	48573490	48573814	48573652	18	23	4	4.602761727	0.000137072		ENSG00000218305
7	49025016	49025342	49025179	36	38	0	37.39743903	4.09E-12		ENSG00000218305
7	49811830	49812127	49811978	11	14	0	14.3836304	4.17E-05	VWC2	ENSG00000188730
7	51348712	51348891	51348859	9	9	0	9.589086931	0.00120187	COBL	ENSG00000106078
7	51360316	51360710	51360513	38	47	1	23.01380863	2.36E-13	COBL	ENSG00000106078

7	52218996	52219205	52219100	9	9	0	9.589086931	0.00120187		ENSG00000210739
7	52219258	52219545	52219401	28	30	1	14.86308474	1.43E-08		ENSG00000210739
7	54804428	54804627	54804527	8	8	1	4.315089119	0.0127267	SEC61G	ENSG00000132432
7	55609607	55609909	55609756	14	17	0	17.26035648	5.54E-06		ENSG00000154978
7	55809845	55810206	55809998	20	24	1	11.98635866	6.63E-07		ENSG00000206729
7	56826890	56827071	56826916	9	9	0	9.589086931	0.00120187		ENSG00000188639
7	61083018	61083199	61083124	8	8	2	2.876726079	0.0381137		
7	61083415	61083598	61083506	12	13	13	0.958908693	0.543805		
7	61255162	61255492	61255327	14	15	15	0.958908693	0.546868		
7	61268290	61268624	61268457	35	36	30	1.144503924	0.287619		
7	61285220	61285548	61285384	14	14	9	1.43836304	0.179537		
7	61425783	61425968	61425848	8	9	1	4.794543465	0.00708517		
7	61431884	61432205	61432044	10	10	11	0.878999635	0.622439		
7	61606234	61607135	61606786	201	310	329	0.903698799	0.900065		
7	61607655	61607987	61607821	16	17	13	1.232882605	0.274309		
7	61613096	61613328	61613245	11	12	6	1.78083043	0.0985525		ENSG00000207443
7	61614571	61614899	61614735	14	15	14	1.022835939	0.473606		ENSG00000207443
7	61623503	61623809	61623656	9	10	5	1.757999271	0.121253		ENSG00000207443
7	61628205	61628483	61628329	8	8	11	0.71918152	0.777546		ENSG00000207443
7	61632299	61632628	61632463	10	10	11	0.878999635	0.622439		ENSG00000207443
7	62113509	62113707	62113591	9	9	4	1.917817386	0.103282		ENSG00000207443
7	63736714	63736950	63736837	11	13	4	2.684944341	0.01921	ZNF107	ENSG00000196247
7	63737023	63737247	63737135	9	9	0	9.589086931	0.00120187	ZNF107	ENSG00000196247
7	63784453	63784675	63784564	10	11	4	2.301380863	0.0459276	ZNF107	ENSG00000196247
7	64843554	64843760	64843661	10	10	0	10.54799562	0.000613541		ENSG00000203448
7	66447228	66447599	66447407	14	21	0	21.09599125	3.76E-07	STAG3L4	ENSG00000106610
7	68036031	68036416	68036177	10	17	1	8.630178238	5.44E-05		ENSG00000211270
7	68883365	68883551	68883458	8	8	5	1.43836304	0.235762	AUTS2	ENSG00000158321
7	68885876	68886070	68885971	8	8	1	4.315089119	0.0127267	AUTS2	ENSG00000158321
7	69424059	69424303	69424181	11	11	0	11.50690432	0.000313206		
7	69939218	69939673	69939365	13	21	2	7.031997082	2.73E-05	WBSCR17	ENSG00000185274
7	69952276	69953021	69952665	61	96	3	23.25353581	9.26E-25	WBSCR17	ENSG00000185274
7	69959900	69960113	69960018	10	10	4	2.109599125	0.0694668	WBSCR17	ENSG00000185274
7	70591242	70591624	70591472	21	26	0	25.89053471	1.31E-08		ENSG00000199940

7	71429323	71429546	71429406	10	11	3	2.876726079	0.0213797	CALN1	ENSG00000183166
7	71508285	71508606	71508442	14	18	1	9.109632584	2.91E-05	CALN1	ENSG00000183166
7	72586080	72586259	72586169	8	8	0	8.630178238	0.00235436	BAZ1B	ENSG00000009954
7	72767898	72768135	72768016	8	10	0	10.54799562	0.000613541	STX1A	ENSG00000106089
7	72787013	72787417	72787238	11	18	2	6.073088389	0.000157975		ENSG00000209048
7	72874952	72875167	72875059	9	11	2	3.835634772	0.00800699		ENSG00000212838
7	72883112	72883436	72883274	9	13	7	1.678090213	0.11195	CLDN4	ENSG00000189143
7	72890904	72891132	72891018	8	8	1	4.315089119	0.0127267	WBSCR27	ENSG00000165171
7	72907648	72908136	72907827	32	42	3	10.30826845	5.31E-10	WBSCR28	ENSG00000175877
7	73322191	73322370	73322280	8	8	4	1.726035648	0.150596	RFC2	ENSG00000049541
7	73364906	73365304	73365146	19	25	5	4.155271003	0.000149583	CLIP2	ENSG00000106665
7	73407508	73407695	73407567	8	8	1	4.315089119	0.0127267	CLIP2	ENSG00000106665
7	73578187	73578486	73578336	11	13	0	13.4247217	8.16E-05	GTF2IRD1	ENSG00000006704
7	73618903	73619282	73619105	10	17	1	8.630178238	5.44E-05	GTF2I	ENSG00000077809
7	73687856	73688215	73688023	10	15	6	2.191791298	0.0328001	GTF2I	ENSG00000077809
7	73728655	73728850	73728727	8	8	1	4.315089119	0.0127267	GTF2I	ENSG00000077809
7	74995311	74995686	74995490	10	17	6	2.465765211	0.014729	PMS2L3	ENSG00000127957
7	75195541	75195812	75195691	9	11	2	3.835634772	0.00800699	HIP1	ENSG00000127946
7	75196271	75196622	75196449	14	18	1	9.109632584	2.91E-05	HIP1	ENSG00000127946
7	75487492	75487672	75487537	9	9	1	4.794543465	0.00708517	TMEM120A	ENSG00000189077
7	75758818	75759261	75758963	16	25	14	1.662108401	0.053254		ENSG00000177679
7	75781615	75781840	75781727	10	12	10	1.133255728	0.37674	HSPB1	ENSG00000106211
7	76589417	76589709	76589563	8	10	1	5.273997812	0.00391723		ENSG00000214439
7	76836209	76836408	76836307	9	10	4	2.109599125	0.0694668	PION	ENSG00000186088
7	77211252	77211622	77211444	24	29	0	28.76726079	1.74E-09	RSBN1L	ENSG00000187257
7	77381553	77381812	77381682	9	10	1	5.273997812	0.00391723		ENSG00000222432
7	77552427	77552617	77552481	10	10	0	10.54799562	0.000613541		ENSG00000211483
7	77977878	77978126	77978002	8	9	3	2.397271733	0.0539397		ENSG00000209138
7	78201759	78202100	78201929	15	20	1	10.06854128	8.32E-06		ENSG00000209138
7	78255085	78255562	78255322	63	84	1	40.75361945	6.43E-24		ENSG00000209138
7	78703931	78704281	78704106	13	17	2	5.753452158	0.000281509		ENSG00000212482
7	78784963	78785215	78785089	13	15	2	5.114179696	0.00088103		ENSG00000212482
7	79600517	79600984	79600821	28	35	2	11.50690432	5.48E-09	GNAI1	ENSG00000127955
7	79606587	79606849	79606681	11	13	1	6.712360851	0.000640982	GNAI1	ENSG00000127955

7	79618238	79618654	79618473	36	48	3	11.74663149	1.36E-11	GNAI1	ENSG00000127955
7	79667033	79667250	79667141	8	8	3	2.157544559	0.0836802		ENSG00000209287
7	79966681	79966950	79966808	9	10	5	1.757999271	0.121253	GNAT3	ENSG00000214415
7	80005194	80005913	80005550	96	130	5	20.93617313	5.87E-32	GNAT3	ENSG00000214415
7	80009703	80010117	80009859	16	24	8	2.663635258	0.00328036	GNAT3	ENSG00000214415
7	80079108	80079427	80079249	12	15	10	1.394776281	0.191426	CD36	ENSG00000135218
7	80110810	80111059	80110934	10	12	6	1.78083043	0.0985525	CD36	ENSG00000135218
7	80132848	80133310	80133027	40	51	0	49.86325204	6.54E-16	CD36	ENSG00000135218
7	80199932	80200196	80200021	8	11	5	1.917817386	0.0843804	CD36	ENSG00000135218
7	80202740	80202987	80202863	13	16	0	16.30144778	1.09E-05	CD36	ENSG00000135218
7	80240983	80241273	80241132	10	12	2	4.155271003	0.0046638	CD36	ENSG00000135218
7	80241318	80241523	80241420	8	9	4	1.917817386	0.103282	CD36	ENSG00000135218
7	80248863	80249066	80248958	8	10	5	1.757999271	0.121253	SEMA3C	ENSG00000075223
7	80258752	80258954	80258853	8	10	2	3.515998541	0.0136204	SEMA3C	ENSG00000075223
7	80350672	80351102	80350912	12	22	8	2.450544438	0.0073921	SEMA3C	ENSG00000075223
7	80363931	80364239	80364084	8	10	3	2.636998906	0.034203	SEMA3C	ENSG00000075223
7	80378604	80379019	80378840	21	29	3	7.191815198	1.23E-06	SEMA3C	ENSG00000075223
7	80389569	80389880	80389702	10	13	6	1.917817386	0.0693353	SEMA3C	ENSG00000075223
7	80407847	80408083	80407955	11	12	8	1.385090334	0.219216	SEMA3C	ENSG00000075223
7	80408740	80408964	80408903	10	10	4	2.109599125	0.0694668	SEMA3C	ENSG00000075223
7	80409403	80410316	80409660	40	72	13	5.0000239	4.74E-11	SEMA3C	ENSG00000075223
7	80540886	80541161	80541023	11	13	5	2.237453617	0.038866	SEMA3C	ENSG00000075223
7	80600586	80601063	80600892	11	21	1	10.54799562	4.43E-06		ENSG00000209303
7	80626685	80626933	80626809	14	15	2	5.114179696	0.00088103		ENSG00000209303
7	80751921	80752100	80752010	8	8	0	8.630178238	0.00235436		ENSG00000209303
7	80967101	80967280	80967148	8	8	1	4.315089119	0.0127267		ENSG00000209220
7	81062217	81062403	81062281	8	8	6	1.232882605	0.333038	HGF	ENSG00000019991
7	81071457	81071670	81071563	8	8	1	4.315089119	0.0127267	HGF	ENSG00000019991
7	81090194	81091122	81090712	75	129	3	31.16453252	5.03E-34	HGF	ENSG00000019991
7	81152318	81152550	81152434	10	11	3	2.876726079	0.0213797	HGF	ENSG00000019991
7	81183349	81183561	81183455	8	8	2	2.876726079	0.0381137	HGF	ENSG00000019991
7	81599690	81599923	81599832	10	11	2	3.835634772	0.00800699		ENSG00000221262
7	82039562	82039767	82039664	10	10	3	2.636998906	0.034203		ENSG00000213530
7	82167043	82167255	82167149	12	13	2	4.474907234	0.00269459		ENSG00000213530

7	82913706	82913973	82913813	8	8	3	2.157544559	0.0836802	SEMA3E	ENSG00000170381
7	82935579	82935859	82935738	10	14	4	2.876726079	0.01219	SEMA3E	ENSG00000170381
7	83079741	83080167	83079954	29	43	3	10.54799562	2.89E-10	SEMA3E	ENSG00000170381
7	83111152	83111394	83111215	10	13	2	4.474907234	0.00269459	SEMA3E	ENSG00000170381
7	83144445	83144883	83144624	9	18	1	9.109632584	2.91E-05	SEMA3E	ENSG00000170381
7	83175943	83176517	83176304	37	57	4	11.12334084	3.98E-13	SEMA3E	ENSG00000170381
7	83428500	83428745	83428622	9	10	2	3.515998541	0.0136204		ENSG00000222994
7	83674208	83674634	83674360	15	24	3	5.993179332	2.17E-05	SEMA3A	ENSG00000075213
7	84056328	84056622	84056468	13	15	2	5.114179696	0.00088103		ENSG00000146736
7	84508994	84509189	84509109	8	9	5	1.598181155	0.170911		ENSG00000197029
7	85162993	85163179	85163033	9	9	2	3.19636231	0.0229249		
7	86282343	86282596	86282449	8	10	11	0.878999635	0.622439	KIAA1324L	ENSG00000164659
7	86558899	86559097	86558998	10	11	10	1.046082211	0.455063		ENSG00000214406
7	86619680	86619895	86619775	10	10	1	5.273997812	0.00391723	DMTF1	ENSG00000135164
7	86620694	86620919	86620806	8	10	4	2.109599125	0.0694668	DMTF1	ENSG00000135164
7	86686170	86686460	86686322	9	11	6	1.643843474	0.137712		ENSG00000200397
7	86686925	86687244	86687077	10	14	5	2.397271733	0.0258078	C7orf23	ENSG00000135185
7	86687903	86688105	86688004	8	9	9	0.958908693	0.536911	C7orf23	ENSG00000135185
7	86688118	86688371	86688244	10	13	5	2.237453617	0.038866	C7orf23	ENSG00000135185
7	86779603	86779799	86779719	8	8	5	1.43836304	0.235762	TP53AP1	ENSG00000182165
7	86784113	86784692	86784281	13	27	7	3.356180426	0.000396559	TP53AP1	ENSG00000182165
7	86790287	86790665	86790457	15	20	5	3.356180426	0.0017534	TP53AP1	ENSG00000182165
7	86798182	86798634	86798356	23	34	0	33.56180426	6.02E-11	TP53AP1	ENSG00000182165
7	86811693	86812201	86811920	41	54	7	6.592497265	3.30E-10	TP53AP1	ENSG00000182165
7	86812234	86812750	86812420	18	33	10	2.963899597	0.000322893	TP53AP1	ENSG00000182165
7	87084889	87085068	87084996	8	8	3	2.157544559	0.0836802		ENSG00000209318
7	87169558	87169885	87169721	16	19	6	2.739739123	0.00632909	ABCB1	ENSG00000085563
7	87265151	87265456	87265291	8	11	3	2.876726079	0.0213797	DBF4	ENSG00000006634
7	87344379	87344643	87344533	10	13	1	6.712360851	0.000640982	SLC25A40	ENSG00000075303
7	87687731	87687944	87687812	8	9	4	1.917817386	0.103282	SRI	ENSG00000075142
7	87694213	87694604	87694426	8	15	9	1.534253909	0.136498	SRI	ENSG00000075142
7	87759074	87759421	87759247	20	26	2	8.630178238	1.37E-06	STEAP4	ENSG00000127954
7	88497300	88497507	88497403	9	9	1	4.794543465	0.00708517		ENSG00000209282
7	89712215	89712528	89712357	11	14	5	2.397271733	0.0258078	C7orf63	ENSG00000105792

7	89813662	89814044	89813865	8	14	9	1.43836304	0.179537	GTPBP10	ENSG00000105793
7	90490286	90490580	90490407	8	13	1	6.712360851	0.000640982		ENSG00000220307
7	90710524	90710844	90710677	8	12	4	2.493162602	0.0299057	FZD1	ENSG00000157240
7	90731056	90731735	90731580	12	27	11	2.237453617	0.00685906	FZD1	ENSG00000157240
7	90732635	90732856	90732725	9	10	2	3.515998541	0.0136204	FZD1	ENSG00000157240
7	90782274	90782524	90782399	9	10	1	5.273997812	0.00391723	FZD1	ENSG00000157240
7	91072825	91073635	91073281	26	48	0	46.98652596	4.91E-15	MTERF	ENSG00000127989
7	91248866	91249087	91248959	8	9	0	9.589086931	0.00120187	MTERF	ENSG00000127989
7	91347685	91348238	91348050	14	28	14	1.85389014	0.0220495	MTERF	ENSG00000127989
7	91348342	91348555	91348456	11	13	2	4.474907234	0.00269459	MTERF	ENSG00000127989
7	91515329	91516034	91515729	64	133	3	32.12344122	3.73E-35	AKAP9	ENSG00000127914
7	91524599	91524849	91524724	8	10	11	0.878999635	0.622439	AKAP9	ENSG00000127914
7	91543571	91544101	91543922	18	30	8	3.302907721	0.000239229	AKAP9	ENSG00000127914
7	91601707	91602095	91601916	13	20	7	2.517135319	0.00849957	CYP51A1	ENSG00000001630
7	91631905	91632148	91632026	9	10	7	1.318499453	0.269217		ENSG00000188693
7	91633411	91633623	91633465	8	10	0	10.54799562	0.000613541		ENSG00000188693
7	91712470	91713423	91713099	12	40	22	1.709358975	0.0172316	KRIT1	ENSG00000001631
7	91891368	91891912	91891491	8	20	1	10.06854128	8.32E-06	GATAD1	ENSG00000157259
7	91914435	91914806	91914597	10	16	6	2.328778255	0.0221113	GATAD1	ENSG00000157259
7	91994998	91995318	91995176	8	12	4	2.493162602	0.0299057	PEX1	ENSG00000127980
7	91995823	91996135	91995968	13	18	6	2.602752167	0.00970422	C7orf64	ENSG00000127993
7	92056942	92057323	92057234	9	15	5	2.557089848	0.0169197	C7orf64	ENSG00000127993
7	92057422	92057855	92057710	10	17	11	1.43836304	0.15834	C7orf64	ENSG00000127993
7	92230923	92231110	92231022	10	10	2	3.515998541	0.0136204		ENSG00000206763
7	92401384	92401666	92401531	10	12	6	1.78083043	0.0985525		ENSG00000222576
7	92455356	92455593	92455474	8	9	4	1.917817386	0.103282		ENSG00000222576
7	92496317	92496547	92496432	8	10	1	5.273997812	0.00391723		ENSG00000222576
7	93029410	93029803	93029624	13	22	2	7.351633313	1.51E-05	CALCR	ENSG00000004948
7	93042622	93042874	93042736	9	10	1	5.273997812	0.00391723	CALCR	ENSG00000004948
7	93267129	93267333	93267231	8	8	2	2.876726079	0.0381137		ENSG00000213483
7	93578238	93578623	93578417	37	47	2	15.34253909	2.95E-12	BET1	ENSG00000105829
7	94124371	94124683	94124519	8	12	10	1.133255728	0.37674	PEG10	ENSG00000217473
7	94124775	94124975	94124875	8	9	7	1.198635866	0.346278	PEG10	ENSG00000217473
7	94164586	94164863	94164710	10	12	7	1.558226626	0.152813	PEG10	ENSG00000217473

7	94288599	94288791	94288695	8	8	1	4.315089119	0.0127267		ENSG00000219807
7	94301700	94302172	94301873	9	15	5	2.557089848	0.0169197		ENSG00000219807
7	94821142	94821326	94821234	11	11	0	11.50690432	0.000313206	PON1	ENSG00000005421
7	94842740	94843670	94843291	37	75	4	14.57541213	6.15E-18	PON3	ENSG00000105852
7	94994742	94994999	94994859	9	11	3	2.876726079	0.0213797	ASB4	ENSG00000005981
7	95052475	95052725	95052600	8	9	3	2.397271733	0.0539397	PDK4	ENSG00000004799
7	95108317	95108712	95108483	8	14	2	4.794543465	0.00154571	PDK4	ENSG00000004799
7	95158715	95159127	95158955	12	20	1	10.06854128	8.32E-06	DYNC1I1	ENSG00000158560
7	95543676	95543867	95543698	8	10	4	2.109599125	0.0694668		ENSG00000208025
7	95645855	95646134	95645972	14	15	2	5.114179696	0.00088103		ENSG00000208025
7	95679814	95680146	95679979	11	15	7	1.917817386	0.0572317		ENSG00000208025
7	95691952	95692131	95692041	8	8	3	2.157544559	0.0836802		ENSG00000208025
7	95770402	95770775	95770581	13	20	8	2.237453617	0.0160557		ENSG00000220987
7	95788448	95788835	95788592	9	14	2	4.794543465	0.00154571	SLC25A13	ENSG00000004864
7	95797279	95797834	95797635	71	102	2	32.92253179	1.12E-27		ENSG00000207045
7	95798468	95798764	95798612	12	14	1	7.191815198	0.00034761		ENSG00000207045
7	95882268	95882487	95882345	10	11	3	2.876726079	0.0213797		ENSG00000197851
7	95963112	95963414	95963263	14	17	4	3.452071295	0.00292757		ENSG00000197851
7	96015852	96016136	96015994	12	14	8	1.598181155	0.124586		ENSG00000197851
7	96176875	96177215	96177045	9	14	7	1.797953799	0.0806593	SHFM1	ENSG00000127922
7	96245579	96245785	96245668	8	8	4	1.726035648	0.150596	SHFM1	ENSG00000127922
7	96417076	96417451	96417338	9	17	3	4.315089119	0.00102271		ENSG00000222415
7	96492102	96492298	96492207	8	8	1	4.315089119	0.0127267	DLX5	ENSG00000105880
7	96635008	96635549	96635201	27	44	7	5.393861398	7.71E-08		ENSG00000208926
7	96639369	96639589	96639479	8	8	5	1.43836304	0.235762		ENSG00000208926
7	96885720	96885929	96885828	8	8	0	8.630178238	0.00235436		ENSG00000221192
7	97439558	97439899	97439720	9	13	2	4.474907234	0.00269459		ENSG00000183444
7	97553518	97553977	97553739	14	22	3	5.513724985	6.69E-05	LMTK2	ENSG00000164715
7	97561943	97562158	97562050	10	11	0	11.50690432	0.000313206	LMTK2	ENSG00000164715
7	97633861	97634131	97633996	9	11	0	11.50690432	0.000313206		ENSG00000208904
7	97686453	97686667	97686556	9	11	0	11.50690432	0.000313206	BHLHB8	ENSG00000180535
7	97718840	97719022	97718968	8	8	1	4.315089119	0.0127267		ENSG00000205356
7	97762175	97762399	97762306	8	9	5	1.598181155	0.170911	BRI3	ENSG00000164713
7	97821476	97822073	97821880	17	33	14	2.173526371	0.00425345		ENSG00000205871

7	97888348	97888545	97888446	8	9	4	1.917817386	0.103282	BAIAP2L1	ENSG00000006453
7	97900631	97900849	97900703	8	10	1	5.273997812	0.00391723		ENSG00000213455
7	97992869	97993205	97993037	10	12	7	1.558226626	0.152813		ENSG00000213455
7	98200500	98200723	98200611	11	12	6	1.78083043	0.0985525		ENSG00000207204
7	98272468	98272757	98272612	8	9	9	0.958908693	0.536911	TMEM130	ENSG00000166448
7	98315169	98315443	98315344	11	14	4	2.876726079	0.01219	TRRAP	ENSG00000196367
7	98534660	98534902	98534786	13	15	6	2.191791298	0.0328001	SMURF1	ENSG00000198742
7	98547609	98547830	98547719	8	9	1	4.794543465	0.00708517	SMURF1	ENSG00000198742
7	98560941	98561144	98560988	8	9	1	4.794543465	0.00708517	SMURF1	ENSG00000198742
7	98592228	98592500	98592364	10	12	1	6.232906505	0.00117736	SMURF1	ENSG00000198742
7	98632746	98632930	98632838	8	8	6	1.232882605	0.333038		ENSG00000185467
7	98844346	98844712	98844538	8	14	6	2.054804342	0.0480281	BUD31	ENSG00000106245
7	98874825	98875054	98874939	8	9	3	2.397271733	0.0539397	CPSF4	ENSG00000160917
7	98875791	98876225	98876070	14	22	1	11.02744997	2.36E-06	CPSF4	ENSG00000160917
7	98901528	98901987	98901751	11	20	5	3.356180426	0.0017534	ATP5J2	ENSG00000160916
7	98908322	98908517	98908445	8	8	2	2.876726079	0.0381137	ZNF789	ENSG00000198556
7	98935036	98935332	98935199	8	13	4	2.684944341	0.01921	ZNF394	ENSG00000160908
7	98940606	98941055	98940857	8	17	6	2.465765211	0.014729	ZKSCAN5	ENSG00000196652
7	98961312	98961521	98961413	8	10	8	1.171999514	0.35773	ZKSCAN5	ENSG00000196652
7	98963731	98963919	98963817	8	9	1	4.794543465	0.00708517		ENSG00000221909
7	98996937	98997462	98997103	27	36	3	8.869905411	1.98E-08	ZNF655	ENSG00000197343
7	98998197	98998472	98998334	9	12	1	6.232906505	0.00117736	ZNF655	ENSG00000197343
7	98998507	98998729	98998573	9	10	2	3.515998541	0.0136204	ZNF655	ENSG00000197343
7	99173203	99173713	99173472	88	110	6	15.20555213	1.76E-25	CYP3A7	ENSG00000160870
7	99222247	99222680	99222414	12	22	2	7.351633313	1.51E-05	CYP3A4	ENSG00000160868
7	99253017	99253345	99253181	16	18	5	3.036544195	0.0044641	CYP3A43	ENSG0000021461
7	99429776	99430094	99429932	20	23	3	5.753452158	3.82E-05		ENSG00000214313
7	99480316	99480653	99480445	16	20	4	4.027416511	0.000652226	ZSCAN21	ENSG00000166529
7	99517221	99517506	99517366	12	15	6	2.191791298	0.0328001	ZNF3	ENSG00000166526
7	99535981	99536332	99536156	11	17	3	4.315089119	0.00102271	MCM7	ENSG00000166508
7	99555166	99555430	99555317	8	9	5	1.598181155	0.170911	CNPY4	ENSG00000166997
7	99584103	99584316	99584209	8	11	0	11.50690432	0.000313206	C7orf59	ENSG00000188186
7	99584539	99584826	99584682	9	12	8	1.385090334	0.219216	C7orf59	ENSG00000188186
7	99682916	99683187	99683053	9	11	0	11.50690432	0.000313206		ENSG00000160844

7	99863910	99864167	99864049	10	13	9	1.34247217	0.232231	ZCWPW1	ENSG00000078487
7	99864389	99864729	99864558	10	15	12	1.180195315	0.324974	ZCWPW1	ENSG00000078487
7	99864773	99865205	99864925	11	21	14	1.406399416	0.148881	MEPCE	ENSG00000146834
7	99871885	99872064	99871991	8	9	4	1.917817386	0.103282	C7orf47	ENSG00000160813
7	99872067	99872297	99872189	8	11	6	1.643843474	0.137712	C7orf47	ENSG00000160813
7	99886360	99886680	99886533	9	14	7	1.797953799	0.0806593	C7orf61	ENSG00000185955
7	99980399	99980746	99980572	8	12	3	3.116453252	0.0131971	AGFG2	ENSG00000106351
7	100004751	100004982	100004866	8	10	3	2.636998906	0.034203		ENSG00000184414
7	100021611	100021796	100021703	9	9	3	2.397271733	0.0539397	LRCH4	ENSG00000077454
7	100109079	100109295	100109187	9	9	7	1.198635866	0.346278	GNB2	ENSG00000172354
7	100111237	100111622	100111387	11	17	2	5.753452158	0.000281509	GNB2	ENSG00000172354
7	100160816	100161074	100160945	8	9	7	1.198635866	0.346278	EPO	ENSG00000130427
7	100205407	100205699	100205553	11	14	5	2.397271733	0.0258078	ZAN	ENSG00000146839
7	100237362	100238125	100237623	63	132	14	8.502323745	9.84E-25	EPHB4	ENSG00000196411
7	100249731	100250250	100250084	13	23	0	23.01380863	9.81E-08	EPHB4	ENSG00000196411
7	100287542	100287965	100287799	10	16	5	2.716907964	0.0109645	SLC12A9	ENSG00000146828
7	100303737	100304025	100303909	10	14	5	2.397271733	0.0258078	TRIP6	ENSG00000087077
7	100310458	100310743	100310600	12	15	8	1.704726565	0.0916153		ENSG00000087087
7	100325394	100325606	100325478	10	10	4	2.109599125	0.0694668	UFSP1	ENSG00000176125
7	100325775	100326226	100325953	10	18	4	3.643853034	0.00178791	UFSP1	ENSG00000176125
7	100329943	100330177	100330048	9	11	10	1.046082211	0.455063	ACHE	ENSG00000087085
7	100331717	100331940	100331855	8	9	2	3.19636231	0.0229249	ACHE	ENSG00000087085
7	100365094	100365445	100365269	11	17	3	4.315089119	0.00102271	MUC3B	ENSG00000169894
7	100388554	100388927	100388753	10	16	11	1.358453982	0.20248	MUC3B	ENSG00000169894
7	100396068	100396264	100396166	9	10	5	1.757999271	0.121253	MUC3B	ENSG00000169894
7	100507475	100507901	100507722	11	20	5	3.356180426	0.0017534	TRIM56	ENSG00000169871
7	100524978	100525163	100525076	10	10	2	3.515998541	0.0136204	TRIM56	ENSG00000169871
7	100530225	100530517	100530371	15	18	0	18.21926517	2.83E-06	TRIM56	ENSG00000169871
7	100556712	100557143	100556962	11	21	2	7.031997082	2.73E-05	SERPINE1	ENSG00000106366
7	100568442	100568801	100568666	17	22	9	2.205489994	0.0136443	SERPINE1	ENSG00000106366
7	100570899	100571297	100571103	9	17	4	3.452071295	0.00292757	AP1S1	ENSG00000106367
7	100574076	100574360	100574218	12	14	3	3.595907599	0.00486913	AP1S1	ENSG00000106367
7	100585166	100585460	100585307	10	13	3	3.356180426	0.00805599	AP1S1	ENSG00000106367
7	100587373	100587552	100587389	8	8	3	2.157544559	0.0836802	AP1S1	ENSG00000106367

7	100604087	100604324	100604244	9	11	3	2.876726079	0.0213797	C7orf52	ENSG00000167011
7	100647962	100648230	100648096	14	16	3	4.075361945	0.00173346		ENSG00000219716
7	100682167	100682498	100682332	8	13	9	1.34247217	0.232231	FIS1	ENSG00000214253
7	100793993	100794291	100794142	9	13	6	1.917817386	0.0693353	EMID2	ENSG00000160963
7	100804009	100804255	100804113	10	13	4	2.684944341	0.01921	EMID2	ENSG00000160963
7	100817038	100817254	100817146	9	10	3	2.636998906	0.034203	EMID2	ENSG00000160963
7	100918977	100919242	100919109	9	11	5	1.917817386	0.0843804		ENSG00000214248
7	100937750	100938156	100937998	10	18	4	3.643853034	0.00178791		ENSG00000214248
7	101013489	101013761	101013665	10	13	0	13.4247217	8.16E-05		ENSG00000106436
7	101038854	101039126	101038955	12	15	10	1.394776281	0.191426		ENSG00000106436
7	101065631	101065871	101065751	11	11	1	5.753452158	0.00215302		ENSG00000214247
7	101243861	101244050	101243955	8	8	1	4.315089119	0.0127267	CUX1	ENSG00000160967
7	101300671	101300972	101300821	11	13	3	3.356180426	0.00805599	CUX1	ENSG00000160967
7	101312640	101312945	101312774	9	13	3	3.356180426	0.00805599	CUX1	ENSG00000160967
7	101312979	101313535	101313251	11	27	15	1.678090213	0.0444653	CUX1	ENSG00000160967
7	101333010	101333189	101333099	8	8	0	8.630178238	0.00235436	CUX1	ENSG00000160967
7	101356613	101356802	101356706	9	9	0	9.589086931	0.00120187	CUX1	ENSG00000160967
7	101443826	101444107	101443969	9	11	5	1.917817386	0.0843804		ENSG00000203383
7	101626318	101626539	101626427	10	12	2	4.155271003	0.0046638		ENSG00000208808
7	101674703	101674888	101674856	8	8	6	1.232882605	0.333038		ENSG00000160999
7	101717848	101718070	101717983	8	10	6	1.506856518	0.188853		ENSG00000160999
7	101823193	101823508	101823356	10	14	6	2.054804342	0.0480281	PRKRIP1	ENSG00000128563
7	101823657	101823867	101823772	9	10	9	1.054799562	0.4492	PRKRIP1	ENSG00000128563
7	102176177	102176383	102176273	8	9	3	2.397271733	0.0539397		ENSG00000222011
7	102303532	102303882	102303707	10	16	0	16.30144778	1.09E-05		ENSG00000208781
7	102306607	102306840	102306723	9	11	3	2.876726079	0.0213797		ENSG00000208781
7	102503483	102503719	102503601	10	12	4	2.493162602	0.0299057	ARMC10	ENSG00000170632
7	102577122	102577450	102577271	12	15	9	1.534253909	0.136498	NAPEPLD	ENSG00000161048
7	102724935	102725221	102725049	10	14	6	2.054804342	0.0480281	PMPCB	ENSG00000105819
7	102771434	102771654	102771529	10	11	9	1.150690432	0.367789	DNAJC2	ENSG00000105821
7	102772286	102772754	102772575	16	26	9	2.589053471	0.00289627	DNAJC2	ENSG00000105821
7	102775213	102775420	102775267	9	11	7	1.43836304	0.204844	PSMC2	ENSG00000161057
7	102775498	102775730	102775614	9	10	4	2.109599125	0.0694668	PSMC2	ENSG00000161057
7	102834601	102834850	102834687	13	15	9	1.534253909	0.136498	SLC26A5	ENSG00000170615

7	102874953	102875175	102875064	9	11	4	2.301380863	0.0459276	SLC26A5	ENSG00000170615
7	103088338	103088684	103088426	8	12	3	3.116453252	0.0131971		ENSG00000222386
7	103200304	103200495	103200399	8	10	2	3.515998541	0.0136204	RELN	ENSG00000189056
7	103222910	103223113	103222983	8	8	2	2.876726079	0.0381137	RELN	ENSG00000189056
7	103424975	103425184	103425127	8	8	1	4.315089119	0.0127267	RELN	ENSG00000189056
7	103521440	103521721	103521542	8	12	0	12.46581301	0.000159888	RELN	ENSG00000189056
7	103524419	103524772	103524595	13	19	8	2.130908207	0.0233014	RELN	ENSG00000189056
7	103635852	103636076	103635931	8	10	6	1.506856518	0.188853	ORC5L	ENSG00000164815
7	103700548	103700805	103700687	8	9	1	4.794543465	0.00708517	LHFPL3	ENSG00000187416
7	103720274	103720526	103720400	11	11	0	11.50690432	0.000313206	LHFPL3	ENSG00000187416
7	103779442	103779653	103779531	8	8	2	2.876726079	0.0381137	LHFPL3	ENSG00000187416
7	103865020	103865275	103865139	8	10	4	2.109599125	0.0694668	LHFPL3	ENSG00000187416
7	103979620	103979964	103979792	8	13	8	1.491635745	0.166708		ENSG00000197258
7	103997399	103997702	103997550	15	18	7	2.277408146	0.0188653		ENSG00000197258
7	104188126	104188336	104188238	8	8	3	2.157544559	0.0836802		ENSG00000197258
7	104207367	104207546	104207493	8	8	9	0.863017824	0.627343		ENSG00000197258
7	104276087	104276388	104276237	8	12	10	1.133255728	0.37674		ENSG00000208761
7	104315506	104315692	104315585	8	8	7	1.07877228	0.435076		ENSG00000208761
7	104323945	104324136	104324040	8	9	2	3.19636231	0.0229249		ENSG00000208761
7	104378259	104378518	104378388	9	12	5	2.077635502	0.0577144		ENSG00000208757
7	104407295	104407686	104407517	11	16	13	1.164389127	0.333296		ENSG00000208754
7	104408660	104409080	104408774	8	16	7	2.037680973	0.0400399		ENSG00000208754
7	104415202	104415483	104415342	8	9	1	4.794543465	0.00708517		ENSG00000208754
7	104434384	104434607	104434495	9	12	3	3.116453252	0.0131971	MLL5	ENSG00000005483
7	104440001	104440491	104440312	11	20	7	2.517135319	0.00849957	MLL5	ENSG00000005483
7	104440565	104440797	104440681	10	11	3	2.876726079	0.0213797	MLL5	ENSG00000005483
7	104440961	104441166	104441070	8	8	3	2.157544559	0.0836802	MLL5	ENSG00000005483
7	104441607	104441811	104441709	9	10	4	2.109599125	0.0694668	MLL5	ENSG00000005483
7	104441905	104442084	104441994	8	8	2	2.876726079	0.0381137	MLL5	ENSG00000005483
7	104442360	104442546	104442453	9	10	7	1.318499453	0.269217	MLL5	ENSG00000005483
7	104458001	104458285	104458143	9	13	5	2.237453617	0.038866	MLL5	ENSG00000005483
7	104462110	104462291	104462200	9	10	2	3.515998541	0.0136204	MLL5	ENSG00000005483
7	104524157	104524374	104524275	8	9	3	2.397271733	0.0539397	MLL5	ENSG00000005483
7	104626113	104626292	104626149	8	8	3	2.157544559	0.0836802	SRPK2	ENSG00000135250

7	104657837	104658048	104657973	9	10	1	5.273997812	0.00391723		ENSG00000213361
7	104685238	104685476	104685308	9	13	5	2.237453617	0.038866	SRPK2	ENSG00000135250
7	104732094	104732385	104732221	15	19	4	3.835634772	0.00108365		ENSG00000208751
7	104748359	104748547	104748434	8	9	0	9.589086931	0.00120187		ENSG00000208751
7	104815307	104815562	104815425	11	12	1	6.232906505	0.00117736	SRPK2	ENSG00000135250
7	104857448	104857732	104857565	9	11	9	1.150690432	0.367789		ENSG00000208745
7	104870781	104870960	104870870	8	8	1	4.315089119	0.0127267		ENSG00000208745
7	104915819	104916100	104915938	10	11	2	3.835634772	0.00800699	PUS7	ENSG00000091127
7	104949160	104949389	104949283	8	9	2	3.19636231	0.0229249	PUS7	ENSG00000091127
7	105009035	105009535	105009317	63	82	7	9.94867769	3.19E-17	EFCAB10	ENSG00000185055
7	105016914	105017413	105017079	11	18	10	1.656296833	0.0841786	EFCAB10	ENSG00000185055
7	105076399	105077105	105076652	13	32	14	2.109599125	0.00600552	EFCAB10	ENSG00000185055
7	105084620	105084977	105084798	12	17	2	5.753452158	0.000281509	EFCAB10	ENSG00000185055
7	105092586	105092794	105092690	9	10	5	1.757999271	0.121253	EFCAB10	ENSG00000185055
7	105113397	105113576	105113489	8	8	5	1.43836304	0.235762	EFCAB10	ENSG00000185055
7	105119331	105119840	105119615	13	27	5	4.474907234	5.37E-05	EFCAB10	ENSG00000185055
7	105131726	105131969	105131863	8	9	7	1.198635866	0.346278	EFCAB10	ENSG00000185055
7	105192714	105193193	105192953	14	23	3	5.753452158	3.82E-05	ATXN7L1	ENSG00000146776
7	105197996	105198322	105198159	11	15	7	1.917817386	0.0572317	ATXN7L1	ENSG00000146776
7	105304887	105305224	105305055	15	20	4	4.027416511	0.000652226	ATXN7L1	ENSG00000146776
7	105437059	105437483	105437238	10	19	7	2.397271733	0.0127287		ENSG00000128536
7	105454994	105455666	105455387	31	51	3	12.46581301	2.13E-12		ENSG00000128536
7	105455943	105456151	105456046	8	9	1	4.794543465	0.00708517		ENSG00000128536
7	105458109	105458428	105458268	8	11	0	11.50690432	0.000313206		ENSG00000128536
7	105486148	105486451	105486318	12	16	9	1.630144778	0.102169	SYPL1	ENSG00000008282
7	105492683	105493223	105492833	10	23	6	3.287686948	0.00104919	SYPL1	ENSG00000008282
7	105496703	105497141	105497040	10	18	10	1.656296833	0.0841786	SYPL1	ENSG00000008282
7	105497984	105498165	105498020	8	9	4	1.917817386	0.103282	SYPL1	ENSG00000008282
7	105499489	105500203	105499948	14	33	14	2.173526371	0.00425345	SYPL1	ENSG00000008282
7	105511035	105511225	105511149	9	9	2	3.19636231	0.0229249	SYPL1	ENSG00000008282
7	105539117	105539325	105539241	9	10	9	1.054799562	0.4492	SYPL1	ENSG00000008282
7	105543633	105543841	105543737	8	9	2	3.19636231	0.0229249	SYPL1	ENSG00000008282
7	105581571	105581820	105581743	11	14	6	2.054804342	0.0480281	SYPL1	ENSG00000008282
7	105594319	105594751	105594498	9	18	10	1.656296833	0.0841786		ENSG00000201796

7	105604414	105604692	105604536	13	16	10	1.481949798	0.147733		ENSG00000201796
7	105607452	105607686	105607569	9	12	4	2.493162602	0.0299057		ENSG00000201796
7	105624160	105624411	105624285	9	10	6	1.506856518	0.188853		ENSG00000201796
7	105667181	105667418	105667293	8	10	4	2.109599125	0.0694668		ENSG00000201796
7	105713075	105713304	105713189	8	12	5	2.077635502	0.0577144	NAMPT	ENSG00000105835
7	105733304	105733587	105733445	12	15	5	2.557089848	0.0169197	NAMPT	ENSG00000105835
7	105890277	105890466	105890337	8	8	7	1.07877228	0.435076	NAMPT	ENSG00000105835
7	105996579	105996829	105996658	9	13	9	1.34247217	0.232231		ENSG00000177820
7	106087700	106087942	106087821	8	9	2	3.19636231	0.0229249		ENSG00000177820
7	106088746	106088977	106088845	9	11	0	11.50690432	0.000313206		ENSG00000177820
7	106169760	106170033	106169897	12	13	2	4.474907234	0.00269459		ENSG00000177820
7	106338890	106339085	106338966	9	9	3	2.397271733	0.0539397	PIK3CG	ENSG00000105851
7	106418787	106418989	106418859	8	10	1	5.273997812	0.00391723	PRKAR2B	ENSG00000005249
7	106596237	106596607	106596416	10	16	9	1.630144778	0.102169	HBP1	ENSG00000105856
7	106597224	106597734	106597538	11	21	10	1.917817386	0.0328292	HBP1	ENSG00000105856
7	106629542	106629755	106629648	9	9	4	1.917817386	0.103282	HBP1	ENSG00000105856
7	106776539	106776859	106776699	24	28	1	13.90417605	5.17E-08		ENSG00000208728
7	106890939	106891135	106891037	9	9	3	2.397271733	0.0539397	GPR22	ENSG00000172209
7	106934213	106934502	106934357	8	11	10	1.046082211	0.455063	GPR22	ENSG00000172209
7	106991446	106991702	106991547	9	9	2	3.19636231	0.0229249	DUS4L	ENSG00000105865
7	107002802	107002996	107002899	8	9	2	3.19636231	0.0229249	BCAP29	ENSG00000075790
7	107140401	107141070	107140794	29	48	5	7.83108766	4.86E-10	CBLL1	ENSG00000105879
7	107145749	107145977	107145913	8	8	1	4.315089119	0.0127267	CBLL1	ENSG00000105879
7	107171109	107171409	107171240	15	18	9	1.821926517	0.0548428	CBLL1	ENSG00000105879
7	107171481	107171818	107171654	10	15	7	1.917817386	0.0572317	CBLL1	ENSG00000105879
7	107319137	107319435	107319269	8	11	7	1.43836304	0.204844	DLD	ENSG00000091140
7	107319654	107319833	107319743	9	9	9	0.958908693	0.536911	DLD	ENSG00000091140
7	107368347	107368560	107368457	9	10	8	1.171999514	0.35773	DLD	ENSG00000091140
7	107380146	107380510	107380316	20	26	12	1.991579593	0.0165204		ENSG00000208718
7	107423455	107423755	107423582	8	13	6	1.917817386	0.0693353		ENSG00000208718
7	107428622	107428801	107428716	8	8	3	2.157544559	0.0836802	LAMB1	ENSG00000091136
7	107454522	107454701	107454611	8	8	3	2.157544559	0.0836802		ENSG00000216085
7	107474625	107475088	107474852	22	31	1	15.34253909	7.54E-09		ENSG00000216085
7	107482181	107482578	107482408	11	16	7	2.037680973	0.0400399		ENSG00000216085

7	107491379	107491558	107491468	8	8	5	1.43836304	0.235762		ENSG00000216085
7	107531050	107531259	107531117	8	8	4	1.726035648	0.150596	LAMB4	ENSG00000091128
7	107541969	107542228	107542123	9	11	1	5.753452158	0.00215302	LAMB4	ENSG00000091128
7	107573997	107574337	107574168	10	13	3	3.356180426	0.00805599	NRCAM	ENSG00000091129
7	107627698	107628033	107627865	10	15	5	2.557089848	0.0169197	NRCAM	ENSG00000091129
7	107629468	107629876	107629647	16	25	3	6.232906505	1.23E-05	NRCAM	ENSG00000091129
7	107834300	107834498	107834398	8	10	1	5.273997812	0.00391723	NRCAM	ENSG00000091129
7	107849523	107849712	107849577	8	9	2	3.19636231	0.0229249	NRCAM	ENSG00000091129
7	107887804	107888104	107887954	8	13	6	1.917817386	0.0693353	NRCAM	ENSG00000091129
7	107924846	107925071	107924964	11	11	2	3.835634772	0.00800699	PNPLA8	ENSG00000135241
7	107953802	107954222	107954051	10	16	8	1.811271976	0.0663685	PNPLA8	ENSG00000135241
7	107996695	107996911	107996803	8	10	3	2.636998906	0.034203	THAP5	ENSG00000177683
7	107997054	107997304	107997156	12	13	3	3.356180426	0.00805599	THAP5	ENSG00000177683
7	107998093	107998319	107998197	10	11	3	2.876726079	0.0213797	DNAJB9	ENSG00000128590
7	108039030	108039245	108039137	12	13	4	2.684944341	0.01921	DNAJB9	ENSG00000128590
7	108041555	108041917	108041738	10	17	15	1.07877228	0.410615	DNAJB9	ENSG00000128590
7	108233600	108233878	108233704	12	15	4	3.068507818	0.0076507		ENSG00000205174
7	108437069	108437283	108437176	8	8	2	2.876726079	0.0381137		ENSG00000205174
7	108770354	108770549	108770451	8	8	1	4.315089119	0.0127267		ENSG00000205174
7	108804682	108804861	108804792	8	9	0	9.589086931	0.00120187		ENSG00000205174
7	109434555	109435327	109434810	60	84	7	10.18840486	9.72E-18		
7	109710157	109710773	109710478	18	34	8	3.729089362	3.70E-05		
7	109754303	109754488	109754398	9	9	3	2.397271733	0.0539397		
7	109790637	109790904	109790786	8	8	6	1.232882605	0.333038		
7	109869620	109869917	109869745	8	11	7	1.43836304	0.204844		ENSG00000221279
7	109950099	109950499	109950320	21	27	8	2.98327149	0.000913494		ENSG00000221279
7	109961368	109962522	109962021	362	499	25	18.44055179	6.63E-112		ENSG00000221279
7	110001284	110001463	110001373	8	9	6	1.369869562	0.253675		ENSG00000221279
7	110030732	110030929	110030829	9	9	2	3.19636231	0.0229249		ENSG00000221279
7	110104737	110104950	110104841	8	8	5	1.43836304	0.235762		ENSG00000221279
7	110161996	110162273	110162153	15	18	1	9.109632584	2.91E-05		ENSG00000221279
7	110785019	110785377	110785217	17	22	4	4.410979988	0.000231863	IMMP2L	ENSG00000184903
7	110842196	110842378	110842276	8	9	5	1.598181155	0.170911	IMMP2L	ENSG00000184903
7	110913957	110914223	110914131	9	12	9	1.246581301	0.295061	IMMP2L	ENSG00000184903

7	110926360	110926748	110926539	14	20	10	1.830643869	0.0454769	IMMP2L	ENSG00000184903
7	110939262	110939593	110939422	8	12	10	1.133255728	0.37674	IMMP2L	ENSG00000184903
7	110957219	110957584	110957323	9	14	14	0.958908693	0.545362	IMMP2L	ENSG00000184903
7	110984688	110984874	110984801	9	10	5	1.757999271	0.121253	IMMP2L	ENSG00000184903
7	110988123	110988315	110988217	8	9	11	0.799090578	0.702688	IMMP2L	ENSG00000184903
7	110988414	110988728	110988590	10	13	9	1.34247217	0.232231	IMMP2L	ENSG00000184903
7	110989886	110990075	110989960	8	8	12	0.663859864	0.833689	IMMP2L	ENSG00000184903
7	111137982	111138161	111138107	8	8	12	0.663859864	0.833689	IMMP2L	ENSG00000184903
7	111146257	111146573	111146413	8	11	4	2.301380863	0.0459276	IMMP2L	ENSG00000184903
7	111157975	111158226	111158100	8	9	1	4.794543465	0.00708517	IMMP2L	ENSG00000184903
7	111162901	111163289	111163142	10	15	9	1.534253909	0.136498	IMMP2L	ENSG00000184903
7	111177756	111178065	111177904	9	12	9	1.246581301	0.295061	IMMP2L	ENSG00000184903
7	111212334	111212540	111212437	12	12	5	2.077635502	0.0577144		ENSG00000208691
7	111275650	111275861	111275745	8	9	2	3.19636231	0.0229249		ENSG00000208691
7	111280969	111281175	111281072	8	8	3	2.157544559	0.0836802		ENSG00000208691
7	111282488	111282846	111282667	10	16	7	2.037680973	0.0400399		ENSG00000208691
7	111296676	111296908	111296819	8	10	3	2.636998906	0.034203		ENSG00000208691
7	111300620	111300816	111300718	9	9	4	1.917817386	0.103282		ENSG00000208691
7	111386343	111386624	111386489	12	15	3	3.835634772	0.00291691		ENSG00000208691
7	111415981	111416160	111416103	8	9	4	1.917817386	0.103282	DOCK4	ENSG00000128512
7	111610759	111610938	111610848	8	8	4	1.726035648	0.150596	ZNF277	ENSG00000198839
7	111633609	111633940	111633781	9	12	1	6.232906505	0.00117736	ZNF277	ENSG00000198839
7	111676072	111676557	111676363	14	26	3	6.472633678	6.96E-06		ENSG00000202406
7	111681494	111681707	111681592	8	10	5	1.757999271	0.121253		ENSG00000202406
7	111811203	111811444	111811321	10	12	4	2.493162602	0.0299057		ENSG00000208671
7	111841595	111841813	111841708	9	9	7	1.198635866	0.346278	IFRD1	ENSG00000006652
7	111842254	111842553	111842400	13	16	6	2.328778255	0.0221113	IFRD1	ENSG00000006652
7	111847618	111848275	111847886	11	30	10	2.702379044	0.00113582	IFRD1	ENSG00000006652
7	111850272	111850506	111850389	10	13	4	2.684944341	0.01921	IFRD1	ENSG00000006652
7	111876666	111877100	111876813	11	18	3	4.554816292	0.000599415	IFRD1	ENSG00000006652
7	111878094	111878439	111878266	10	16	4	3.260289556	0.00475414	IFRD1	ENSG00000006652
7	111908999	111909554	111909281	13	26	18	1.362659722	0.14632	C7orf53	ENSG00000181016
7	111911825	111912171	111911998	10	15	1	7.671269544	0.000187863	C7orf53	ENSG00000181016
7	111923179	111923536	111923357	14	20	17	1.118726809	0.361026	C7orf53	ENSG00000181016

7	111977810	111978016	111977925	13	13	5	2.237453617	0.038866	ENSG00000182965
7	112000087	112000374	112000223	14	16	5	2.716907964	0.0109645	ENSG00000182965
7	112001082	112001272	112001177	8	9	6	1.369869562	0.253675	ENSG00000182965
7	112011450	112012240	112011785	107	141	9	13.61650344	5.21E-31	ENSG00000182965
7	112043806	112044084	112043945	12	12	8	1.385090334	0.219216	ENSG00000182965
7	112171204	112171425	112171331	9	10	2	3.515998541	0.0136204	TMEM168 ENSG00000146802
7	112195894	112196158	112195998	10	12	7	1.558226626	0.152813	TMEM168 ENSG00000146802
7	112197324	112197747	112197585	37	50	10	4.445849395	1.13E-07	TMEM168 ENSG00000146802
7	112209723	112210323	112209915	38	53	4	10.35621389	4.48E-12	TMEM168 ENSG00000146802
7	112217525	112217808	112217648	10	13	6	1.917817386	0.0693353	TMEM168 ENSG00000146802
7	112279609	112279802	112279697	9	9	5	1.598181155	0.170911	TMEM168 ENSG00000146802
7	112402411	112402592	112402501	8	8	0	8.630178238	0.00235436	C7orf60 ENSG00000164603
7	112442299	112442512	112442392	8	10	4	2.109599125	0.0694668	GPR85 ENSG00000164604
7	112493713	112494057	112493887	9	11	3	2.876726079	0.0213797	GPR85 ENSG00000164604
7	112545579	112546052	112545879	12	21	14	1.406399416	0.148881	ENSG00000214194
7	112583553	112583732	112583642	8	8	6	1.232882605	0.333038	ENSG00000214194
7	112846890	112847126	112847051	8	10	4	2.109599125	0.0694668	ENSG00000214194
7	112849101	112849352	112849236	10	13	9	1.34247217	0.232231	ENSG00000214194
7	112918648	112918845	112918750	9	9	1	4.794543465	0.00708517	ENSG00000214194
7	113063595	113063835	113063691	9	9	4	1.917817386	0.103282	PPP1R3A ENSG00000154415
7	113190473	113190950	113190683	19	31	17	1.704726565	0.0311659	PPP1R3A ENSG00000154415
7	113191862	113192194	113192042	9	14	7	1.797953799	0.0806593	PPP1R3A ENSG00000154415
7	113220903	113221111	113220978	8	8	1	4.315089119	0.0127267	PPP1R3A ENSG00000154415
7	113325888	113326069	113325978	8	8	7	1.07877228	0.435076	PPP1R3A ENSG00000154415
7	113439188	113439367	113439288	8	8	0	8.630178238	0.00235436	PPP1R3A ENSG00000154415
7	113439711	113439964	113439862	10	10	3	2.636998906	0.034203	PPP1R3A ENSG00000154415
7	113448630	113448905	113448767	12	14	7	1.797953799	0.0806593	PPP1R3A ENSG00000154415
7	113510954	113511148	113511051	9	9	2	3.19636231	0.0229249	ENSG00000208668
7	113512797	113513364	113513103	20	33	12	2.507915043	0.00131447	ENSG00000208668
7	113515550	113515835	113515664	10	14	3	3.595907599	0.00486913	ENSG00000208668
7	113578373	113578569	113578471	8	9	4	1.917817386	0.103282	ENSG00000208668
7	113603265	113603642	113603463	28	35	2	11.50690432	5.48E-09	ENSG00000208668
7	113603774	113604024	113603899	10	10	1	5.273997812	0.00391723	ENSG00000208668
7	113608687	113608903	113608795	8	10	3	2.636998906	0.034203	ENSG00000208668

7	113610668	113610913	113610790	10	11	0	11.50690432	0.000313206		ENSG00000208668
7	113631686	113631873	113631760	8	8	2	2.876726079	0.0381137		ENSG00000208668
7	113725380	113725597	113725488	9	11	1	5.753452158	0.00215302		ENSG00000218695
7	113804884	113805089	113804957	10	10	11	0.878999635	0.622439	FOXP2	ENSG00000128573
7	115489266	115489501	115489383	9	9	0	9.589086931	0.00120187	TFEC	ENSG00000105967
7	116228448	116228633	116228565	8	8	1	4.315089119	0.0127267	CAPZA2	ENSG00000198898
7	116701232	116701470	116701331	9	10	0	10.54799562	0.000613541		ENSG00000220630
7	117057734	117058295	117058014	68	105	1	50.82216073	5.89E-30		ENSG00000216672
7	117145263	117145600	117145431	12	17	2	5.753452158	0.000281509		ENSG00000216672
7	117611756	117611986	117611817	8	9	1	4.794543465	0.00708517	LSM8	ENSG00000128534
7	118624607	118624851	118624733	8	8	0	8.630178238	0.00235436		ENSG00000203365
7	120176661	120176840	120176750	8	8	1	4.315089119	0.0127267		ENSG00000208634
7	120379452	120379674	120379563	9	10	1	5.273997812	0.00391723	ING3	ENSG00000071243
7	120932930	120933491	120933289	89	108	2	34.84034918	2.21E-29		ENSG00000221690
7	120938288	120938822	120938572	64	83	0	80.54833022	2.96E-25		ENSG00000221690
7	122192308	122192539	122192436	9	11	1	5.753452158	0.00215302	RNF133	ENSG00000188050
7	122581618	122581822	122581720	8	9	0	9.589086931	0.00120187	SLC13A1	ENSG00000081800
7	122999064	122999268	122999217	9	9	0	9.589086931	0.00120187	NDUFA5	ENSG00000128609
7	123607342	123607815	123607662	11	19	0	19.17817386	1.44E-06	SPAM1	ENSG00000106304
7	123673466	123674134	123673892	107	148	1	71.43869763	2.28E-42		ENSG00000213296
7	124099296	124099611	124099444	15	18	2	6.073088389	0.000157975		ENSG00000207214
7	126535052	126535253	126535152	8	9	3	2.397271733	0.0539397		ENSG00000207692
7	127447499	127447678	127447599	8	8	1	4.315089119	0.0127267	LRRC4	ENSG00000128594
7	127448710	127449169	127448882	10	17	4	3.452071295	0.00292757	LRRC4	ENSG00000128594
7	127563293	127563519	127563381	12	12	3	3.116453252	0.0131971		ENSG00000207588
7	127771082	127771398	127771227	15	19	2	6.39272462	8.83E-05	RBM28	ENSG00000106344
7	127862646	127862901	127862773	10	12	4	2.493162602	0.0299057		ENSG00000135245
7	127884713	127885010	127884883	15	18	1	9.109632584	2.91E-05		ENSG00000214175
7	128481530	128481805	128481662	9	12	2	4.155271003	0.0046638	TNPO3	ENSG00000064419
7	128482204	128482640	128482383	12	22	4	4.410979988	0.000231863	TNPO3	ENSG00000064419
7	129280937	129281340	129281073	10	18	0	18.21926517	2.83E-06		ENSG00000207691
7	129376082	129376308	129376188	9	10	4	2.109599125	0.0694668	UBE2H	ENSG00000186591
7	129396888	129397168	129397040	11	12	7	1.558226626	0.152813		ENSG00000207184
7	129437923	129438184	129438062	9	10	5	1.757999271	0.121253		ENSG00000201109

7	129478378	129478643	129478504	10	12	8	1.385090334	0.219216	ZC3HC1	ENSG00000091732
7	129497212	129497685	129497515	9	18	8	2.024362796	0.0334397	KLHDC10	ENSG00000128607
7	129699483	129699747	129699610	9	11	0	11.50690432	0.000313206	CPA2	ENSG00000158516
7	129801007	129801196	129801101	8	8	3	2.157544559	0.0836802	CPA1	ENSG00000091704
7	129913181	129913525	129913354	8	13	1	6.712360851	0.000640982	MEST	ENSG00000106484
7	130489551	130489903	130489727	13	18	0	18.21926517	2.83E-06		ENSG00000199627
7	130523738	130524127	130523884	10	16	0	16.30144778	1.09E-05		ENSG00000199627
7	131109955	131110424	131110206	48	63	0	61.37015636	2.05E-19		ENSG00000172400
7	131214098	131214367	131214241	8	9	1	4.794543465	0.00708517		ENSG00000172400
7	131363800	131364106	131363957	10	13	6	1.917817386	0.0693353		ENSG00000205067
7	131451793	131452130	131451940	9	13	4	2.684944341	0.01921		ENSG00000205067
7	131465417	131465632	131465580	8	8	3	2.157544559	0.0836802		ENSG00000205067
7	131591255	131591554	131591403	11	13	1	6.712360851	0.000640982	PLXNA4	ENSG00000221866
7	131654102	131654370	131654229	13	16	4	3.260289556	0.00475414	PLXNA4	ENSG00000221866
7	132045422	132045601	132045511	8	8	2	2.876726079	0.0381137		ENSG00000201009
7	132925304	132925523	132925399	8	9	1	4.794543465	0.00708517		ENSG00000208439
7	133779614	133779794	133779657	8	9	2	3.19636231	0.0229249	AKR1B1	ENSG00000085662
7	133855132	133855344	133855245	8	8	1	4.315089119	0.0127267	AKR1B10	ENSG00000198074
7	133881380	133881779	133881619	25	35	0	34.52071295	3.07E-11	AKR1B10	ENSG00000198074
7	133882705	133883098	133883011	8	14	4	2.876726079	0.01219	AKR1B10	ENSG00000198074
7	133958515	133958844	133958669	17	21	0	21.09599125	3.76E-07	BPGM	ENSG00000172331
7	134106969	134107462	134107283	21	31	5	5.114179696	6.54E-06	CALD1	ENSG00000122786
7	134180552	134181125	134180889	135	162	6	22.32887385	1.07E-39	CALD1	ENSG00000122786
7	134616826	134617059	134616921	9	11	2	3.835634772	0.00800699	STRA8	ENSG00000146857
7	134624777	134625189	134625010	13	19	1	9.589086931	1.56E-05	STRA8	ENSG00000146857
7	134670950	134671323	134671176	15	21	3	5.273997812	0.00011662	STRA8	ENSG00000146857
7	134671408	134671739	134671597	9	13	2	4.474907234	0.00269459	STRA8	ENSG00000146857
7	135143648	135143911	135143779	8	8	1	4.315089119	0.0127267		ENSG00000222219
7	135627845	135628067	135627942	8	9	3	2.397271733	0.0539397		ENSG00000220982
7	137499653	137500462	137500180	71	108	2	34.84034918	2.21E-29		ENSG00000222912
7	137523768	137524165	137523986	13	20	0	20.13708255	7.37E-07		ENSG00000201465
7	137766720	137767196	137766978	47	66	1	32.12344122	9.20E-19		ENSG00000202072
7	137863011	137863234	137863122	9	10	2	3.515998541	0.0136204		ENSG00000208395
7	138074096	138074469	138074252	28	34	4	6.712360851	3.20E-07	ATP6V0A4	ENSG00000105929

7	138453440	138453691	138453565	11	13	1	6.712360851	0.000640982	ZC3HAV1	ENSG00000105939
7	138643734	138644069	138643930	19	23	0	23.01380863	9.81E-08		ENSG00000206843
7	138676460	138676679	138676569	8	10	3	2.636998906	0.034203	FMC1	ENSG00000164898
7	138695747	138695991	138695860	11	13	4	2.684944341	0.01921	LUC7L2	ENSG00000146963
7	138696024	138696352	138696192	24	27	1	13.4247217	9.80E-08	LUC7L2	ENSG00000146963
7	138967027	138967217	138967064	8	10	2	3.515998541	0.0136204	HIPK2	ENSG00000064393
7	139997378	139997597	139997477	9	9	1	4.794543465	0.00708517		ENSG00000208351
7	140214147	140214455	140214301	16	20	0	20.13708255	7.37E-07		ENSG00000207040
7	141000794	141000978	141000886	8	8	3	2.157544559	0.0836802		ENSG00000219583
7	141009432	141009822	141009651	9	16	10	1.481949798	0.147733		ENSG00000219583
7	141084360	141084773	141084594	8	15	6	2.191791298	0.0328001	SSBP1	ENSG00000106028
7	141322666	141322952	141322883	8	13	5	2.237453617	0.038866	TAS2R38	ENSG00000183609
7	141644454	141644667	141644554	8	9	1	4.794543465	0.00708517		ENSG00000211702
7	141945406	141945622	141945514	9	10	1	5.273997812	0.00391723		ENSG00000211738
7	142191158	142191531	142191326	10	16	5	2.716907964	0.0109645		ENSG00000211755
7	142294808	142295060	142294934	14	15	2	5.114179696	0.00088103	TRPV6	ENSG00000165125
7	142351097	142351471	142351295	20	27	3	6.712360851	3.92E-06	C7orf34	ENSG00000165131
7	143719739	143720060	143719895	8	12	2	4.155271003	0.0046638	NOBOX	ENSG00000106410
7	143999315	143999895	143999683	61	79	2	25.57089848	3.56E-21		ENSG00000214036
7	144115239	144115472	144115355	8	9	1	4.794543465	0.00708517	TPK1	ENSG00000196511
7	144364726	144364968	144364900	9	12	2	4.155271003	0.0046638		ENSG00000214035
7	146749887	146750066	146749976	8	8	0	8.630178238	0.00235436		ENSG00000221442
7	147570376	147570606	147570491	8	8	5	1.43836304	0.235762		ENSG00000199370
7	147730102	147730611	147730409	50	71	0	69.0414259	9.44E-22		ENSG00000199370
7	147903638	147904042	147903863	11	17	5	2.876726079	0.00703033		ENSG00000213210
7	148000130	148000465	148000297	43	47	0	46.02761727	9.62E-15	CUL1	ENSG00000055130
7	148028190	148028369	148028289	8	8	2	2.876726079	0.0381137	CUL1	ENSG00000055130
7	148193394	148193585	148193498	9	10	2	3.515998541	0.0136204	EZH2	ENSG00000106462
7	148229380	148229674	148229527	16	20	1	10.06854128	8.32E-06		ENSG00000208292
7	148266183	148266537	148266304	9	14	1	7.191815198	0.00034761		ENSG00000208290
7	148269033	148269248	148269137	9	11	2	3.835634772	0.00800699		ENSG00000208290
7	148294770	148295130	148294959	9	15	6	2.191791298	0.0328001		ENSG00000202442
7	148315123	148315432	148315278	10	14	4	2.876726079	0.01219		ENSG00000201098
7	148451440	148451676	148451558	11	11	1	5.753452158	0.00215302		ENSG00000208283

7	148455781	148456025	148455903	8	8	7	1.07877228	0.435076	ZNF425	ENSG00000204947
7	148473114	148473566	148473290	13	21	7	2.636998906	0.00562102	ZNF398	ENSG00000197024
7	148475174	148475413	148475241	10	11	6	1.643843474	0.137712	ZNF398	ENSG00000197024
7	148495048	148495498	148495319	11	20	8	2.237453617	0.0160557	ZNF398	ENSG00000197024
7	148509350	148509643	148509496	10	13	2	4.474907234	0.00269459	ZNF282	ENSG00000170265
7	148524466	148524808	148524637	8	14	1	7.191815198	0.00034761	ZNF282	ENSG00000170265
7	148537596	148537851	148537710	11	13	2	4.474907234	0.00269459	ZNF282	ENSG00000170265
7	148557825	148558030	148557927	8	8	5	1.43836304	0.235762	ZNF212	ENSG00000170260
7	148567392	148567765	148567657	14	20	6	2.876726079	0.00408924	ZNF212	ENSG00000170260
7	148567913	148568185	148568049	10	13	1	6.712360851	0.000640982	ZNF212	ENSG00000170260
7	148589547	148589871	148589715	11	14	7	1.797953799	0.0806593	ZNF783	ENSG00000204946
7	148612872	148613052	148612962	8	8	6	1.232882605	0.333038	ZNF783	ENSG00000204946
7	148638215	148638470	148638342	8	10	5	1.757999271	0.121253		ENSG00000219420
7	148722125	148722649	148722369	43	69	1	33.56180426	1.28E-19		ENSG00000208277
7	148863308	148863587	148863447	9	10	0	10.54799562	0.000613541	ZNF746	ENSG00000181220
7	148886071	148886335	148886203	8	10	2	3.515998541	0.0136204		ENSG00000208274
7	148951854	148952337	148952033	25	36	4	7.095924329	1.02E-07	ZNF767	ENSG00000133624
7	149018941	149019348	149019183	10	18	7	2.277408146	0.0188653	KRBA1	ENSG00000133619
7	149070129	149070425	149070276	8	9	7	1.198635866	0.346278	ZNF467	ENSG00000181444
7	149121835	149122543	149122136	25	45	4	8.821959976	5.35E-10		ENSG00000197558
7	149166258	149166564	149166411	9	12	4	2.493162602	0.0299057	ZNF862	ENSG00000106479
7	149166968	149167220	149167113	8	10	6	1.506856518	0.188853	ZNF862	ENSG00000106479
7	149200783	149201006	149200900	8	8	0	8.630178238	0.00235436		ENSG00000171130
7	149695993	149696190	149696101	8	9	8	1.065454103	0.442605	REPIN1	ENSG00000214022
7	149749129	149749354	149749262	9	9	3	2.397271733	0.0539397	GIMAP8	ENSG00000171115
7	150272761	150273078	150272914	10	13	4	2.684944341	0.01921	KCNH2	ENSG00000055118
7	150356658	150356852	150356755	8	9	0	9.589086931	0.00120187	ABCB8	ENSG00000197150
7	150386210	150386444	150386297	8	10	3	2.636998906	0.034203	CDK5	ENSG00000164885
7	150500675	150500939	150500819	9	12	4	2.493162602	0.0299057	GBX1	ENSG00000164900
7	150522978	150523157	150523067	8	8	3	2.157544559	0.0836802	ASB10	ENSG00000146926
7	150529315	150529538	150529406	9	9	0	9.589086931	0.00120187		ENSG00000183016
7	150696118	150696374	150696265	8	10	4	2.109599125	0.0694668	NUB1	ENSG00000013374
7	150880478	150880804	150880636	15	16	5	2.716907964	0.0109645	RHEB	ENSG00000106615
7	151016059	151016506	151016248	66	89	1	43.15089119	2.36E-25	PRKAG2	ENSG00000106617

7	151016524	151016710	151016617	9	10	1	5.273997812	0.00391723	PRKAG2	ENSG00000106617
7	151055841	151056059	151055953	9	10	2	3.515998541	0.0136204	PRKAG2	ENSG00000106617
7	151064531	151064721	151064632	9	10	1	5.273997812	0.00391723	PRKAG2	ENSG00000106617
7	151082091	151082556	151082377	16	24	1	11.98635866	6.63E-07	PRKAG2	ENSG00000106617
7	151147118	151147378	151147219	9	10	7	1.318499453	0.269217	PRKAG2	ENSG00000106617
7	151179140	151179439	151179288	13	15	5	2.557089848	0.0169197	PRKAG2	ENSG00000106617
7	151320477	151320778	151320627	11	14	3	3.595907599	0.00486913		ENSG00000208257
7	151400047	151400380	151400213	12	15	0	15.34253909	2.13E-05		ENSG00000208254
7	151400424	151400975	151400655	106	139	2	44.74907234	3.19E-38		ENSG00000208254
7	151404305	151404621	151404483	11	15	6	2.191791298	0.0328001	GALNT11	ENSG00000178234
7	151429181	151429360	151429260	8	8	4	1.726035648	0.150596	GALNT11	ENSG00000178234
7	151664752	151664933	151664884	10	10	0	10.54799562	0.000613541		ENSG00000204894
7	151739443	151739690	151739562	9	11	2	3.835634772	0.00800699	MLL3	ENSG00000055609
7	152061540	152062082	152061793	61	76	1	36.91798468	1.27E-21		ENSG00000214003
7	152317681	152318280	152317994	46	75	6	10.41100867	3.36E-16		ENSG00000217267
7	153801186	153801405	153801245	8	8	1	4.315089119	0.0127267	DPP6	ENSG00000130226
7	153841239	153841422	153841302	8	9	3	2.397271733	0.0539397		ENSG00000221099
7	154116457	154116653	154116534	9	9	0	9.589086931	0.00120187		ENSG00000221099
7	154351094	154351434	154351264	10	16	3	4.075361945	0.00173346		ENSG00000214106
7	154646850	154647478	154647299	23	39	4	7.671269544	1.80E-08		ENSG00000217825
7	154967630	154968293	154968056	18	41	0	40.27416511	5.44E-13	EN2	ENSG00000164778
7	155129664	155129909	155129804	11	12	6	1.78083043	0.0985525		ENSG00000216895
7	155144246	155144432	155144380	8	9	3	2.397271733	0.0539397	RBM33	ENSG00000184863
7	155300809	155301019	155300914	11	12	1	6.232906505	0.00117736	SHH	ENSG00000164690
7	155337321	155337664	155337552	8	13	0	13.4247217	8.16E-05		ENSG00000221113
7	155346347	155346656	155346501	13	15	10	1.394776281	0.191426		ENSG00000221113
7	155515720	155515964	155515839	8	10	0	10.54799562	0.000613541		ENSG00000204876
7	155832672	155832914	155832792	11	12	1	6.232906505	0.00117736		ENSG00000207061
7	155886766	155887061	155886914	9	9	4	1.917817386	0.103282		ENSG00000207061
7	155928112	155928298	155928188	9	9	1	4.794543465	0.00708517	RNF32	ENSG00000105982
7	156249586	156249797	156249670	10	11	2	3.835634772	0.00800699		ENSG00000206938
7	156394375	156394633	156394469	10	11	3	2.876726079	0.0213797	LMBR1	ENSG00000105983
7	156440270	156440667	156440492	9	16	1	8.150723891	0.000101217	NOM1	ENSG00000146909
7	156774903	156775252	156775077	11	15	4	3.068507818	0.0076507		ENSG00000208243

7	156803531	156803787	156803663	8	10	6	1.506856518	0.188853		ENSG00000208243
7	156825469	156825872	156825693	9	17	5	2.876726079	0.00703033	DNAJB6	ENSG00000105993
7	156841188	156841962	156841577	20	47	9	4.602761727	1.72E-07	DNAJB6	ENSG00000105993
7	156883446	156883673	156883547	8	9	6	1.369869562	0.253675	DNAJB6	ENSG00000105993
7	156890578	156890883	156890743	10	13	2	4.474907234	0.00269459	DNAJB6	ENSG00000105993
7	156978535	156978771	156978653	9	11	1	5.753452158	0.00215302		ENSG00000178158
7	157810140	157810734	157810404	22	36	0	35.47962164	1.57E-11		ENSG00000208234
7	157882976	157883283	157883134	13	16	0	16.30144778	1.09E-05		ENSG00000208234
7	158019979	158020217	158020132	14	14	1	7.191815198	0.00034761		ENSG00000207637
7	158057709	158058049	158057879	9	10	5	1.757999271	0.121253	PTPRN2	ENSG00000155093
7	158080549	158080733	158080641	9	9	13	0.684934781	0.824961	PTPRN2	ENSG00000155093
7	158132707	158133174	158132912	16	25	8	2.770180669	0.00215826		ENSG00000186921
7	158293044	158293328	158293160	8	10	0	10.54799562	0.000613541	FAM62B	ENSG00000117868
7	158303901	158304605	158304329	14	37	5	6.073088389	2.49E-07	FAM62B	ENSG00000117868
7	158306886	158307137	158307036	8	12	4	2.493162602	0.0299057	FAM62B	ENSG00000117868
7	158682624	158682818	158682667	8	8	7	1.07877228	0.435076		ENSG00000220691
7	158703840	158704078	158703959	9	12	4	2.493162602	0.0299057		ENSG00000220691
7	158796239	158796800	158796493	41	60	0	58.49343028	1.54E-18		ENSG00000220691
8	154526	154828	154695	73	77	1	37.39743903	6.55E-22	ZNF596	ENSG00000172748
8	201252	201489	201357	10	13	0	13.4247217	8.16E-05	ZNF596	ENSG00000172748
8	634243	634483	634363	8	9	3	2.397271733	0.0539397		ENSG00000206100
8	1591254	1591614	1591449	9	14	2	4.794543465	0.00154571	CLN8	ENSG00000182372
8	2339702	2340066	2339915	18	22	0	22.05489994	1.92E-07	MYOM2	ENSG00000036448
8	2374513	2374762	2374642	13	14	2	4.794543465	0.00154571	MYOM2	ENSG00000036448
8	3044487	3044720	3044636	8	10	0	10.54799562	0.000613541	CSMD1	ENSG00000183117
8	5166338	5166732	5166553	37	47	1	23.01380863	2.36E-13		ENSG00000209245
8	6183884	6184279	6184079	35	45	0	44.10979988	3.69E-14	MCPH1	ENSG00000147316
8	8253708	8254023	8253869	15	18	1	9.109632584	2.91E-05		ENSG00000182319
8	8257571	8258089	8257909	106	127	2	40.91343757	8.56E-35		ENSG00000182319
8	8281916	8282214	8282065	10	12	2	4.155271003	0.0046638		ENSG00000182319
8	8301736	8302781	8302390	77	123	4	23.78093559	3.91E-31		ENSG00000182319
8	9021423	9021706	9021564	16	18	0	18.21926517	2.83E-06	PPP1R3B	ENSG00000173281
8	14610329	14610632	14610479	13	15	2	5.114179696	0.00088103		ENSG00000199127
8	17668126	17668386	17668277	9	10	2	3.515998541	0.0136204		ENSG00000212280

8	17824264	17824587	17824425	9	14	1	7.191815198	0.00034761	PCM1	ENSG00000078674
8	18856612	18856860	18856690	9	11	3	2.876726079	0.0213797		ENSG00000201157
8	18943160	18944122	18943532	144	192	5	30.84489629	3.05E-49	PSD3	ENSG00000156011
8	19323425	19323636	19323530	8	10	1	5.273997812	0.00391723	CSGALNAC	ENSG00000147408
8	19759851	19760070	19759989	9	9	3	2.397271733	0.0539397		ENSG00000210316
8	20030754	20030943	20030840	9	10	3	2.636998906	0.034203	SLC18A1	ENSG00000036565
8	20061527	20061777	20061638	10	10	3	2.636998906	0.034203	SLC18A1	ENSG00000036565
8	20278063	20278248	20278155	10	10	0	10.54799562	0.000613541	LZTS1	ENSG00000061337
8	20329831	20330208	20330029	29	39	0	38.35634772	2.09E-12		ENSG00000210340
8	21505936	21506264	21506100	11	16	1	8.150723891	0.000101217		ENSG00000210349
8	21965554	21965961	21965733	9	16	0	16.30144778	1.09E-05	EPB49	ENSG00000158856
8	22266057	22266269	22266186	9	10	0	10.54799562	0.000613541	SLC39A14	ENSG00000104635
8	22517935	22518194	22518080	10	12	5	2.077635502	0.0577144	KIAA1967	ENSG00000158941
8	22927800	22928161	22927979	28	35	2	11.50690432	5.48E-09	RHOBTB2	ENSG00000008853
8	22981806	22982646	22982075	69	118	1	57.05506724	1.05E-33	TNFRSF10E	ENSG00000120889
8	23137998	23138383	23138218	13	20	0	20.13708255	7.37E-07	TNFRSF10A	ENSG00000104689
8	23836114	23836332	23836157	8	11	2	3.835634772	0.00800699	STC1	ENSG00000159167
8	24916484	24916753	24916618	11	15	1	7.671269544	0.000187863	NEFL	ENSG00000104725
8	25088440	25088730	25088585	9	11	0	11.50690432	0.000313206		ENSG00000210447
8	26179408	26179664	26179563	9	10	0	10.54799562	0.000613541	PPP2R2A	ENSG00000221914
8	26706902	26707145	26707068	8	11	0	11.50690432	0.000313206	ADRA1A	ENSG00000120907
8	26772771	26772988	26772857	8	8	2	2.876726079	0.0381137	ADRA1A	ENSG00000120907
8	27339733	27340010	27339871	8	11	2	3.835634772	0.00800699	PTK2B	ENSG00000120899
8	27527371	27527564	27527453	8	8	4	1.726035648	0.150596	CLU	ENSG00000120885
8	27530390	27530818	27530641	8	16	2	5.433815927	0.000499302	CLU	ENSG00000120885
8	28608338	28608666	28608502	21	23	0	23.01380863	9.81E-08	EXTL3	ENSG00000012232
8	29200308	29200807	29200467	13	22	2	7.351633313	1.51E-05		ENSG00000212034
8	29495474	29495687	29495549	8	8	0	8.630178238	0.00235436	DUSP4	ENSG00000120875
8	29683846	29684361	29684078	289	336	3	80.78805739	3.00E-93		ENSG00000221003
8	30134648	30134925	30134772	8	12	4	2.493162602	0.0299057	DCTN6	ENSG00000104671
8	30531386	30531566	30531495	8	9	0	9.589086931	0.00120187		ENSG00000200319
8	30700052	30700259	30700136	8	8	2	2.876726079	0.0381137	GSR	ENSG00000104687
8	30780481	30780804	30780647	24	25	3	6.232906505	1.23E-05	PPP2CB	ENSG00000104695
8	31149500	31149850	31149675	19	24	0	23.97271733	5.01E-08	PURG	ENSG00000172733

8	32762127	32762564	32762385	55	68	3	16.54117496	5.19E-17		ENSG00000210559
8	33106595	33106889	33106751	21	23	1	11.50690432	1.25E-06		ENSG00000210596
8	36839402	36839617	36839495	9	11	0	11.50690432	0.000313206		ENSG00000219491
8	36900491	36900740	36900611	11	12	0	12.46581301	0.000159888		ENSG00000219491
8	37121521	37121821	37121686	10	13	3	3.356180426	0.00805599		ENSG00000219491
8	37571632	37571912	37571772	13	14	3	3.595907599	0.00486913		ENSG00000223215
8	38161141	38161338	38161239	9	9	1	4.794543465	0.00708517	BAG4	ENSG00000156735
8	38507463	38507708	38507585	8	10	1	5.273997812	0.00391723		ENSG00000196166
8	38594705	38594957	38594836	9	10	0	10.54799562	0.000613541		ENSG00000205408
8	38769836	38770089	38769962	18	20	6	2.876726079	0.00408924	TACC1	ENSG00000147526
8	39927424	39927759	39927591	13	18	0	18.21926517	2.83E-06	INDOL1	ENSG00000188676
8	40031437	40031648	40031542	10	10	1	5.273997812	0.00391723	C8orf4	ENSG00000176907
8	40441187	40441473	40441330	14	17	0	17.26035648	5.54E-06	C8orf4	ENSG00000176907
8	40836226	40836474	40836361	8	10	1	5.273997812	0.00391723	ZMAT4	ENSG00000165061
8	41132962	41133287	41133124	17	22	1	11.02744997	2.36E-06		ENSG00000206867
8	41747194	41747551	41747372	13	18	1	9.109632584	2.91E-05	ANK1	ENSG00000029534
8	41795340	41795825	41795610	77	94	0	91.09632584	1.81E-28		ENSG00000207101
8	42548220	42548520	42548370	10	13	0	13.4247217	8.16E-05	SLC20A2	ENSG00000168575
8	42726223	42726560	42726391	23	25	0	24.93162602	2.56E-08	CHRNA6	ENSG00000147434
8	42817692	42817934	42817786	8	10	2	3.515998541	0.0136204	THAP1	ENSG00000131931
8	43211905	43212804	43212075	125	192	164	1.121632592	0.138756	A26A1	ENSG00000188877
8	43213789	43214037	43213928	9	10	13	0.753428259	0.762589	A26A1	ENSG00000188877
8	43214079	43214530	43214258	25	35	27	1.232882605	0.200179	A26A1	ENSG00000188877
8	43214832	43215368	43215110	95	111	104	1.022835939	0.433485	A26A1	ENSG00000188877
8	43215441	43215920	43215619	48	64	55	1.113019019	0.277181	A26A1	ENSG00000188877
8	43880933	43881271	43881102	30	30	28	1.025040327	0.460877		ENSG00000221295
8	43887389	43887720	43887554	18	19	33	0.564063937	0.981419		ENSG00000221295
8	43939553	43939884	43939718	15	16	18	0.857970936	0.678066		ENSG00000221295
8	43943405	43943734	43943569	20	20	14	1.34247217	0.186867		ENSG00000221295
8	46964426	46964768	46964597	87	87	48	1.722121734	0.000896726		ENSG00000210854
8	46971494	46971825	46971659	28	28	24	1.112334084	0.346253		ENSG00000210854
8	46988338	46988517	46988369	8	8	9	0.863017824	0.627343		ENSG00000210854
8	46995799	46996117	46995958	11	11	6	1.643843474	0.137712		ENSG00000210854
8	47066979	47067165	47067009	12	12	1	6.232906505	0.00117736		ENSG00000210854

8	48998819	48999096	48998952	9	13	6	1.917817386	0.0693353		ENSG00000211562
8	49017081	49017522	49017298	15	24	2	7.990905775	4.56E-06	PRKDC	ENSG00000121031
8	49035569	49036011	49035934	10	18	5	3.036544195	0.0044641	MCM4	ENSG00000104738
8	49036457	49036680	49036613	12	12	3	3.116453252	0.0131971	MCM4	ENSG00000104738
8	49329248	49329564	49329404	11	14	7	1.797953799	0.0806593		ENSG00000210964
8	50000797	50001012	50000904	8	10	0	10.54799562	0.000613541	SNAI2	ENSG00000019549
8	50178945	50179149	50179064	8	9	0	9.589086931	0.00120187	C8orf22	ENSG00000168333
8	50179281	50179522	50179355	8	9	0	9.589086931	0.00120187	C8orf22	ENSG00000168333
8	50185389	50185963	50185703	48	74	2	23.97271733	9.05E-20	C8orf22	ENSG00000168333
8	50247078	50247266	50247172	8	8	0	8.630178238	0.00235436	C8orf22	ENSG00000168333
8	53000193	53000747	53000435	140	172	0	165.8912039	3.03E-51	PCMTD1	ENSG00000168300
8	53542154	53542427	53542287	9	11	9	1.150690432	0.367789	ST18	ENSG00000147488
8	53571345	53571622	53571483	10	12	0	12.46581301	0.000159888	FAM150A	ENSG00000196711
8	53621134	53621766	53621596	31	45	0	44.10979988	3.69E-14	FAM150A	ENSG00000196711
8	53704504	53705014	53704672	19	28	3	6.952088025	2.20E-06	FAM150A	ENSG00000196711
8	53828232	53828454	53828321	8	9	0	9.589086931	0.00120187	RB1CC1	ENSG00000023287
8	54348053	54348566	54348251	66	80	1	38.83580207	9.03E-23	OPRK1	ENSG00000082556
8	55020119	55020299	55020209	8	9	0	9.589086931	0.00120187	RGS20	ENSG00000147509
8	55020302	55020733	55020554	8	17	1	8.630178238	5.44E-05	RGS20	ENSG00000147509
8	55020762	55020951	55020855	8	8	2	2.876726079	0.0381137	RGS20	ENSG00000147509
8	55833974	55834189	55834081	8	10	0	10.54799562	0.000613541	RP1	ENSG00000104237
8	56290132	56290533	56290354	34	44	3	10.7877228	1.57E-10	XKR4	ENSG00000206579
8	56820271	56820497	56820384	9	10	1	5.273997812	0.00391723		ENSG00000222955
8	56847117	56847718	56847480	29	48	2	15.66217532	1.56E-12	TGS1	ENSG00000137574
8	56848228	56848645	56848403	11	16	6	2.328778255	0.0221113	TMEM68	ENSG00000167904
8	56917592	56917936	56917764	21	23	16	1.353753449	0.165001		ENSG00000211045
8	57064146	57064330	57064238	8	8	1	4.315089119	0.0127267		ENSG00000222746
8	57085762	57086013	57085887	12	13	1	6.712360851	0.000640982		ENSG00000211063
8	57329879	57330165	57330039	24	25	0	24.93162602	2.56E-08	CHCHD7	ENSG00000170791
8	57676180	57676423	57676342	9	12	0	12.46581301	0.000159888	PENK	ENSG00000181195
8	57693145	57693324	57693234	8	9	1	4.794543465	0.00708517	PENK	ENSG00000181195
8	57981096	57981439	57981261	36	41	1	20.13708255	1.17E-11		ENSG00000206975
8	58027506	58027844	58027675	21	23	1	11.50690432	1.25E-06		ENSG00000197334
8	58418408	58418588	58418541	10	10	1	5.273997812	0.00391723		ENSG00000202265

8	59331545	59331735	59331640	8	9	0	9.589086931	0.00120187	UBXN2B	ENSG00000215114
8	59470426	59470776	59470600	11	14	2	4.794543465	0.00154571	UBXN2B	ENSG00000215114
8	59683793	59683983	59683937	8	9	2	3.19636231	0.0229249	NSMAF	ENSG00000035681
8	60011030	60011561	60011279	27	37	0	36.43853034	8.01E-12		ENSG00000201231
8	60028669	60028937	60028777	9	12	1	6.232906505	0.00117736		ENSG00000201231
8	61413881	61414223	61414052	12	17	5	2.876726079	0.00703033	CA8	ENSG00000178538
8	62129654	62129959	62129813	12	15	7	1.917817386	0.0572317		ENSG00000213881
8	62171249	62171523	62171410	9	10	2	3.515998541	0.0136204		ENSG00000213881
8	62543949	62544189	62544087	9	10	2	3.515998541	0.0136204		ENSG00000222898
8	62812727	62813051	62812902	10	15	0	15.34253909	2.13E-05	ASPH	ENSG00000198363
8	64757258	64757437	64757338	9	9	1	4.794543465	0.00708517		ENSG00000211148
8	66709035	66709337	66709200	18	21	5	3.515998541	0.00108602	ARMC1	ENSG00000104442
8	66711568	66711776	66711672	9	9	1	4.794543465	0.00708517	ARMC1	ENSG00000104442
8	66792229	66792482	66792355	10	11	3	2.876726079	0.0213797	PDE7A	ENSG00000205268
8	67023288	67023649	67023434	15	20	5	3.356180426	0.0017534	DNAJC5B	ENSG00000147570
8	67095737	67095934	67095835	8	9	5	1.598181155	0.170911	DNAJC5B	ENSG00000147570
8	67101237	67101525	67101378	17	18	9	1.821926517	0.0548428	DNAJC5B	ENSG00000147570
8	67111426	67111694	67111565	8	11	1	5.753452158	0.00215302	DNAJC5B	ENSG00000147570
8	67174718	67174961	67174815	10	11	0	11.50690432	0.000313206		ENSG00000209078
8	67188004	67189287	67188420	145	251	13	17.26035648	9.58E-57		ENSG00000209078
8	67198708	67199380	67199262	19	39	2	12.78544924	4.53E-10	TRIM55	ENSG00000147573
8	67513808	67514113	67513960	10	14	11	1.198635866	0.315918	ADHFE1	ENSG00000147576
8	67664975	67665435	67665262	21	31	1	15.34253909	7.54E-09		ENSG00000219180
8	67684197	67684387	67684269	8	8	0	8.630178238	0.00235436		ENSG00000219180
8	67977760	67977946	67977774	8	10	2	3.515998541	0.0136204		ENSG00000201719
8	67999661	67999885	67999773	8	9	1	4.794543465	0.00708517		ENSG00000201719
8	68537555	68537772	68537663	8	8	0	8.630178238	0.00235436		ENSG00000211224
8	69705533	69705802	69705659	16	19	0	19.17817386	1.44E-06	C8orf34	ENSG00000165084
8	70771247	70771426	70771336	8	8	2	2.876726079	0.0381137		ENSG00000211324
8	71017363	71017640	71017501	8	11	3	2.876726079	0.0213797		ENSG00000223293
8	71568068	71568292	71568142	8	9	3	2.397271733	0.0539397		ENSG00000222928
8	71743251	71743519	71743386	8	11	0	11.50690432	0.000313206	LACTB2	ENSG00000147592
8	72036115	72036341	72036210	9	9	2	3.19636231	0.0229249		ENSG00000223220
8	72182166	72182437	72182301	9	11	1	5.753452158	0.00215302	EYA1	ENSG00000104313

8	73177170	73177364	73177267	8	8	0	8.630178238	0.00235436	TRPA1	ENSG00000104321
8	73198136	73198385	73198268	9	9	1	4.794543465	0.00708517	TRPA1	ENSG00000104321
8	74250068	74250749	74250409	23	44	5	7.191815198	4.84E-09		ENSG00000164764
8	74299049	74299436	74299224	8	15	3	3.835634772	0.00291691	RPL7	ENSG00000147604
8	74367773	74367999	74367886	8	9	4	1.917817386	0.103282	RPL7	ENSG00000147604
8	74431203	74431480	74431341	9	13	6	1.917817386	0.0693353	RPL7	ENSG00000147604
8	74642965	74643144	74643054	8	8	1	4.315089119	0.0127267		ENSG00000215037
8	74953856	74954183	74954072	9	14	2	4.794543465	0.00154571	UBE2W	ENSG00000104343
8	75035275	75035454	75035364	8	8	5	1.43836304	0.235762	TCEB1	ENSG00000154582
8	75379165	75379487	75379325	20	22	1	11.02744997	2.36E-06	JPH1	ENSG00000104369
8	76151642	76151833	76151737	9	9	2	3.19636231	0.0229249	CRISPLD1	ENSG00000121005
8	76300674	76300923	76300779	10	11	2	3.835634772	0.00800699	HNF4G	ENSG00000164749
8	76794060	76794269	76794124	9	11	0	11.50690432	0.000313206		ENSG00000221029
8	78066435	78066618	78066497	9	9	1	4.794543465	0.00708517	PXMP3	ENSG00000164751
8	78074779	78074992	78074885	8	9	7	1.198635866	0.346278	PXMP3	ENSG00000164751
8	78625437	78625726	78625568	18	19	3	4.794543465	0.000349205		
8	79635450	79635657	79635553	8	9	2	3.19636231	0.0229249	PKIA	ENSG00000171033
8	79672145	79672405	79672262	9	9	5	1.598181155	0.170911	FAM164A	ENSG00000104427
8	80194746	80195121	80194858	19	24	2	7.990905775	4.56E-06	IL7	ENSG00000104432
8	80199011	80199399	80199235	21	30	0	29.72616948	8.86E-10	IL7	ENSG00000104432
8	81027338	81027517	81027430	8	8	2	2.876726079	0.0381137	MRPS28	ENSG00000147586
8	81098452	81098660	81098524	10	11	3	2.876726079	0.0213797	MRPS28	ENSG00000147586
8	81104323	81104653	81104452	9	13	2	4.474907234	0.00269459	MRPS28	ENSG00000147586
8	81143094	81143753	81143432	86	125	2	40.27416511	3.18E-34	TPD52	ENSG00000076554
8	81153184	81153497	81153353	12	15	2	5.114179696	0.00088103	TPD52	ENSG00000076554
8	81158881	81159101	81158985	9	11	3	2.876726079	0.0213797	TPD52	ENSG00000076554
8	81159122	81159629	81159301	12	24	5	3.995452888	0.00024777	TPD52	ENSG00000076554
8	81162346	81162624	81162496	10	13	1	6.712360851	0.000640982	TPD52	ENSG00000076554
8	81166540	81166741	81166640	9	10	3	2.636998906	0.034203	TPD52	ENSG00000076554
8	81220757	81220965	81220852	8	9	1	4.794543465	0.00708517		ENSG00000209175
8	81305641	81305910	81305775	11	14	2	4.794543465	0.00154571		ENSG00000209175
8	81315324	81315651	81315487	8	14	6	2.054804342	0.0480281		ENSG00000209175
8	81331764	81332173	81331994	12	20	3	5.034270639	0.000202317		ENSG00000213791
8	81441576	81441924	81441750	14	19	12	1.475244143	0.131365		ENSG00000206649

8	81560075	81560407	81560241	13	17	8	1.917817386	0.0474153	ZBTB10	ENSG00000205189
8	81573172	81573393	81573299	8	8	1	4.315089119	0.0127267	ZBTB10	ENSG00000205189
8	81576037	81576533	81576234	22	33	2	10.86763185	1.89E-08	ZBTB10	ENSG00000205189
8	81609218	81609403	81609310	9	9	7	1.198635866	0.346278		ENSG00000188856
8	81643206	81643692	81643394	15	23	3	5.753452158	3.82E-05		ENSG00000188856
8	81656366	81656747	81656568	19	26	4	5.178106943	2.75E-05		ENSG00000223327
8	81762131	81762463	81762304	13	17	3	4.315089119	0.00102271		ENSG00000212429
8	81827897	81828424	81828183	21	36	5	5.913270274	4.32E-07		ENSG00000212429
8	81842725	81843006	81842896	11	15	6	2.191791298	0.0328001		ENSG00000209154
8	81882667	81882958	81882821	11	13	4	2.684944341	0.01921		ENSG00000209154
8	82040181	82040564	82040356	17	24	3	5.993179332	2.17E-05		ENSG00000215844
8	82066726	82067042	82066900	11	14	2	4.794543465	0.00154571		ENSG00000215844
8	82125500	82125721	82125610	9	13	4	2.684944341	0.01921	PAG1	ENSG00000076641
8	82125756	82126057	82125906	9	12	3	3.116453252	0.0131971	PAG1	ENSG00000076641
8	82152675	82152854	82152819	8	8	4	1.726035648	0.150596	PAG1	ENSG00000076641
8	82302323	82302544	82302466	11	12	0	12.46581301	0.000159888	FABP5L3	ENSG00000164687
8	82583245	82583424	82583316	8	10	0	10.54799562	0.000613541		ENSG00000219507
8	82917156	82917503	82917329	32	37	25	1.401481936	0.0888599	SNX16	ENSG00000104497
8	83237322	83237653	83237487	19	23	2	7.671269544	8.30E-06	HNRNPA1P	ENSG00000206228
8	86454205	86454395	86454270	8	9	1	4.794543465	0.00708517	CA1	ENSG00000133742
8	86534781	86534960	86534875	8	8	5	1.43836304	0.235762	CA3	ENSG00000164879
8	86551113	86551313	86551213	8	8	4	1.726035648	0.150596	CA2	ENSG00000104267
8	86551972	86552583	86552277	12	27	5	4.474907234	5.37E-05	CA2	ENSG00000104267
8	86562668	86562938	86562837	15	17	5	2.876726079	0.00703033	CA2	ENSG00000104267
8	86669117	86669342	86669229	9	10	5	1.757999271	0.121253		ENSG00000205178
8	86672404	86672614	86672531	8	8	3	2.157544559	0.0836802		ENSG00000205178
8	86714337	86714550	86714443	9	10	1	5.273997812	0.00391723		ENSG00000205178
8	86734564	86734791	86734652	10	12	2	4.155271003	0.0046638		ENSG00000205178
8	86739696	86740112	86739827	15	24	0	23.97271733	5.01E-08		ENSG00000205178
8	86918426	86918620	86918509	9	9	3	2.397271733	0.0539397		ENSG00000205162
8	86948146	86948374	86948297	9	9	0	9.589086931	0.00120187		ENSG00000205162
8	86964249	86964432	86964343	8	9	3	2.397271733	0.0539397		ENSG00000205162
8	87054652	87055024	87054798	11	17	4	3.452071295	0.00292757	PSKH2	ENSG00000147613
8	87068598	87068936	87068767	10	15	12	1.180195315	0.324974	PSKH2	ENSG00000147613

8	87083584	87083763	87083673	9	9	2	3.19636231	0.0229249	PSKH2	ENSG00000147613
8	87098936	87099145	87099073	9	10	2	3.515998541	0.0136204	PSKH2	ENSG00000147613
8	87114804	87115019	87114911	9	10	11	0.878999635	0.622439	PSKH2	ENSG00000147613
8	87125549	87125836	87125692	8	10	4	2.109599125	0.0694668	PSKH2	ENSG00000147613
8	87223090	87223320	87223235	8	9	5	1.598181155	0.170911	ATP6V0D2	ENSG00000147614
8	87338700	87338963	87338824	8	8	6	1.232882605	0.333038	SLC7A13	ENSG00000164893
8	87339938	87340207	87340072	9	12	11	1.038817751	0.460341	SLC7A13	ENSG00000164893
8	87343331	87343510	87343393	8	8	7	1.07877228	0.435076	SLC7A13	ENSG00000164893
8	87386766	87386989	87386815	8	10	2	3.515998541	0.0136204	WWP1	ENSG00000123124
8	87402645	87403032	87402923	8	14	8	1.598181155	0.124586	WWP1	ENSG00000123124
8	87423130	87423361	87423247	8	10	10	0.958908693	0.538751	WWP1	ENSG00000123124
8	87423452	87423975	87423572	16	32	13	2.260284776	0.00349245	WWP1	ENSG00000123124
8	87424504	87424739	87424590	10	11	3	2.876726079	0.0213797	WWP1	ENSG00000123124
8	87424810	87425019	87424914	9	10	10	0.958908693	0.538751	WWP1	ENSG00000123124
8	87509528	87509719	87509701	9	10	4	2.109599125	0.0694668	WWP1	ENSG00000123124
8	87511555	87512067	87511786	33	53	3	12.94526736	6.19E-13		ENSG00000214965
8	87590081	87590383	87590223	11	15	10	1.394776281	0.191426	FAM82B	ENSG00000176623
8	87643702	87643941	87643864	8	10	4	2.109599125	0.0694668		ENSG00000209264
8	87700245	87700676	87700453	12	22	5	3.675816657	0.000667901		ENSG00000221137
8	87741346	87741601	87741456	9	9	5	1.598181155	0.170911		ENSG00000221137
8	87816662	87816950	87816810	9	12	2	4.155271003	0.0046638	CNGB3	ENSG00000170289
8	87952459	87952768	87952603	12	16	6	2.328778255	0.0221113	CNBD1	ENSG00000176571
8	88000752	88001071	88000911	8	11	9	1.150690432	0.367789	CNBD1	ENSG00000176571
8	88092535	88092758	88092646	10	11	3	2.876726079	0.0213797	CNBD1	ENSG00000176571
8	88191644	88191824	88191673	8	9	2	3.19636231	0.0229249	CNBD1	ENSG00000176571
8	88247691	88248123	88247944	12	21	5	3.515998541	0.00108602	CNBD1	ENSG00000176571
8	88396728	88396907	88396791	8	8	0	8.630178238	0.00235436	CNBD1	ENSG00000176571
8	88662258	88662443	88662350	9	10	6	1.506856518	0.188853	WDR21C	ENSG00000176566
8	88664448	88664627	88664537	9	9	1	4.794543465	0.00708517	WDR21C	ENSG00000176566
8	88670493	88670718	88670605	8	11	2	3.835634772	0.00800699	WDR21C	ENSG00000176566
8	88738967	88739270	88739118	9	10	5	1.757999271	0.121253	WDR21C	ENSG00000176566
8	88823193	88823451	88823322	9	10	3	2.636998906	0.034203	WDR21C	ENSG00000176566
8	88959401	88959631	88959482	8	8	3	2.157544559	0.0836802	WDR21C	ENSG00000176566
8	89022642	89022821	89022725	8	8	1	4.315089119	0.0127267	WDR21C	ENSG00000176566

8	89054721	89054921	89054821	8	9	1	4.794543465	0.00708517		ENSG00000176562
8	89277605	89277898	89277751	8	10	4	2.109599125	0.0694668	MMP16	ENSG00000156103
8	89296927	89297168	89297082	8	8	1	4.315089119	0.0127267	MMP16	ENSG00000156103
8	89324933	89325254	89325106	9	12	5	2.077635502	0.0577144	MMP16	ENSG00000156103
8	89325357	89325598	89325477	9	11	8	1.278544924	0.28289	MMP16	ENSG00000156103
8	89365961	89366202	89366081	8	9	1	4.794543465	0.00708517	MMP16	ENSG00000156103
8	89371077	89371338	89371207	8	10	5	1.757999271	0.121253	MMP16	ENSG00000156103
8	89401934	89402287	89402110	10	15	15	0.958908693	0.546868	MMP16	ENSG00000156103
8	89407625	89407833	89407729	11	12	4	2.493162602	0.0299057	MMP16	ENSG00000156103
8	89408016	89408320	89408168	8	12	4	2.493162602	0.0299057	MMP16	ENSG00000156103
8	89408943	89409302	89409055	12	17	8	1.917817386	0.0474153	MMP16	ENSG00000156103
8	89409911	89410460	89410130	17	28	14	1.85389014	0.0220495	MMP16	ENSG00000156103
8	89420331	89420510	89420391	8	8	5	1.43836304	0.235762	MMP16	ENSG00000156103
8	89496274	89496530	89496429	8	10	6	1.506856518	0.188853		ENSG00000209292
8	89496811	89497160	89496989	18	21	16	1.240940662	0.248103		ENSG00000209292
8	89635991	89636261	89636118	8	10	6	1.506856518	0.188853		ENSG00000209292
8	89647030	89647314	89647167	8	10	2	3.515998541	0.0136204		ENSG00000209292
8	89672451	89672649	89672550	8	8	2	2.876726079	0.0381137		ENSG00000209292
8	89679973	89680328	89680150	21	27	6	3.835634772	0.000155182		ENSG00000209292
8	89717793	89718102	89717948	8	10	1	5.273997812	0.00391723		ENSG00000209292
8	89722071	89722380	89722221	9	12	1	6.232906505	0.00117736		ENSG00000209292
8	89760058	89760906	89760483	8	27	7	3.356180426	0.000396559		ENSG00000209292
8	89832624	89832814	89832719	8	8	2	2.876726079	0.0381137		ENSG00000209292
8	89833355	89833681	89833518	19	24	6	3.424673904	0.000656885		ENSG00000209292
8	89972614	89972856	89972778	9	11	4	2.301380863	0.0459276		ENSG00000209292
8	90064553	90064819	90064647	12	14	5	2.397271733	0.0258078		ENSG00000213771
8	90547650	90547979	90547881	8	12	11	1.038817751	0.460341		ENSG00000213771
8	90553044	90553316	90553180	8	10	4	2.109599125	0.0694668		ENSG00000213771
8	90578811	90579038	90578900	8	9	3	2.397271733	0.0539397		ENSG00000213771
8	90640703	90640896	90640794	8	8	0	8.630178238	0.00235436		ENSG00000213771
8	90743611	90743828	90743651	8	10	2	3.515998541	0.0136204	RIPK2	ENSG00000104312
8	90839724	90839955	90839865	9	12	7	1.558226626	0.152813	RIPK2	ENSG00000104312
8	90840501	90840721	90840617	9	10	8	1.171999514	0.35773	RIPK2	ENSG00000104312
8	90880874	90881154	90881014	9	9	2	3.19636231	0.0229249	RIPK2	ENSG00000104312

8	90882470	90882663	90882503	8	9	7	1.198635866	0.346278	RIPK2	ENSG00000104312
8	90896292	90896573	90896452	8	13	5	2.237453617	0.038866	RIPK2	ENSG00000104312
8	90964093	90964362	90964227	10	13	9	1.34247217	0.232231		ENSG00000207359
8	90966535	90966722	90966628	8	8	4	1.726035648	0.150596		ENSG00000207359
8	90983185	90983440	90983319	9	11	15	0.71918152	0.81018	OSGIN2	ENSG00000164823
8	91020570	91020762	91020626	8	10	4	2.109599125	0.0694668	OSGIN2	ENSG00000164823
8	91029801	91030103	91029952	21	24	1	11.98635866	6.63E-07	NBN	ENSG00000104320
8	91065229	91065846	91065380	13	29	18	1.514066357	0.0740168	NBN	ENSG00000104320
8	91066030	91066336	91066193	14	16	8	1.811271976	0.0663685	NBN	ENSG00000104320
8	91082118	91082610	91082289	17	28	2	9.2694507	4.06E-07	DECR1	ENSG00000104325
8	91164081	91164414	91164247	11	14	12	1.106433107	0.392094	CALB1	ENSG00000104327
8	91297443	91297684	91297563	8	9	2	3.19636231	0.0229249		ENSG00000209140
8	91675044	91675276	91675176	8	11	6	1.643843474	0.137712		ENSG00000209319
8	91685853	91686041	91685971	8	8	2	2.876726079	0.0381137		ENSG00000209319
8	91692052	91692320	91692147	8	10	0	10.54799562	0.000613541		ENSG00000209319
8	91725906	91726605	91726247	20	45	7	5.513724985	4.52E-08	TMEM64	ENSG00000180694
8	91726673	91726869	91726786	8	9	8	1.065454103	0.442605	TMEM64	ENSG00000180694
8	91850317	91850496	91850461	8	8	4	1.726035648	0.150596	NECAB1	ENSG00000123119
8	92151076	92151695	92151418	11	23	3	5.753452158	3.82E-05	OTUD6B	ENSG00000155100
8	92405629	92406007	92405839	17	23	9	2.301380863	0.00938618	SLC26A7	ENSG00000147606
8	92845908	92846225	92846084	9	13	0	13.4247217	8.16E-05		ENSG00000200151
8	93552038	93552260	93552170	8	10	3	2.636998906	0.034203		ENSG00000221172
8	93591355	93591534	93591495	8	9	2	3.19636231	0.0229249		ENSG00000221172
8	93616634	93617096	93616867	35	52	3	12.70554018	1.15E-12		ENSG00000221172
8	93617168	93617348	93617258	10	11	2	3.835634772	0.00800699		ENSG00000221172
8	93917456	93917795	93917634	9	14	5	2.397271733	0.0258078		ENSG00000212999
8	94046150	94046575	94046326	24	32	10	2.876726079	0.00049414	C8orf83	ENSG00000205133
8	94168117	94168314	94168187	8	9	1	4.794543465	0.00708517	C8orf83	ENSG00000205133
8	94485982	94486179	94486080	8	8	1	4.315089119	0.0127267		ENSG00000209199
8	94524949	94525222	94525085	11	12	2	4.155271003	0.0046638		ENSG00000209199
8	94600658	94600989	94600823	17	20	3	5.034270639	0.000202317		ENSG00000209199
8	94816503	94816795	94816662	13	15	0	15.34253909	2.13E-05	RBM12B	ENSG00000183808
8	94822087	94822773	94822539	11	29	13	2.054804342	0.00995827	RBM12B	ENSG00000183808
8	94832344	94832828	94832636	40	50	2	16.30144778	4.40E-13	TMEM67	ENSG00000164953

8	95056602	95056844	95056766	10	12	16	0.733283118	0.803868	PPM2C	ENSG00000164951
8	95060301	95060488	95060394	8	8	0	8.630178238	0.00235436	PPM2C	ENSG00000164951
8	95072188	95073178	95072462	72	135	12	10.03166017	5.87E-27	PPM2C	ENSG00000164951
8	95161124	95161467	95161295	8	14	4	2.876726079	0.01219	CDH17	ENSG00000079112
8	95248350	95248944	95248680	20	38	1	18.69871951	8.21E-11	CDH17	ENSG00000079112
8	95374281	95374503	95374392	8	8	0	8.630178238	0.00235436	GEM	ENSG00000164949
8	95438488	95438773	95438630	9	11	5	1.917817386	0.0843804		ENSG00000197065
8	95439182	95439397	95439269	11	11	2	3.835634772	0.00800699		ENSG00000197065
8	95454599	95454866	95454732	8	9	7	1.198635866	0.346278		ENSG00000197065
8	95486667	95487017	95486842	10	15	3	3.835634772	0.00291691		ENSG00000197065
8	95499214	95499444	95499329	11	12	2	4.155271003	0.0046638		ENSG00000197065
8	95634860	95635273	95635097	15	24	9	2.397271733	0.00639731	KIAA1429	ENSG00000164944
8	95649012	95649272	95649134	8	10	2	3.515998541	0.0136204	KIAA1429	ENSG00000164944
8	95655615	95655843	95655729	8	9	1	4.794543465	0.00708517	KIAA1429	ENSG00000164944
8	95721205	95721532	95721368	8	13	10	1.220429246	0.306001	RBM35A	ENSG00000104413
8	95721936	95722401	95722115	8	18	16	1.07172148	0.415914	RBM35A	ENSG00000104413
8	95723807	95724010	95723926	8	9	5	1.598181155	0.170911	RBM35A	ENSG00000104413
8	95724183	95724398	95724222	8	10	3	2.636998906	0.034203	RBM35A	ENSG00000104413
8	95738405	95739340	95739015	146	225	16	12.74784498	4.72E-47		ENSG00000209267
8	95800934	95801305	95801113	10	17	4	3.452071295	0.00292757	DPY19L4	ENSG00000156162
8	95904294	95904763	95904473	9	18	12	1.401481936	0.168368	INTS8	ENSG00000164941
8	95905187	95905384	95905222	9	11	0	11.50690432	0.000313206	INTS8	ENSG00000164941
8	95977783	95977992	95977892	8	8	2	2.876726079	0.0381137	C8orf38	ENSG00000156170
8	96028493	96028843	96028666	9	14	4	2.876726079	0.01219	TP53INP1	ENSG00000164938
8	96030817	96031385	96031009	57	74	1	35.95907599	4.74E-21	TP53INP1	ENSG00000164938
8	96032902	96033110	96033004	9	11	4	2.301380863	0.0459276	TP53INP1	ENSG00000164938
8	96033170	96033392	96033235	10	10	5	1.757999271	0.121253	TP53INP1	ENSG00000164938
8	96069659	96069903	96069781	13	13	2	4.474907234	0.00269459	C8orf38	ENSG00000156170
8	96072288	96072856	96072695	13	23	13	1.643843474	0.0639146	C8orf38	ENSG00000156170
8	96110229	96110465	96110347	8	8	4	1.726035648	0.150596	C8orf38	ENSG00000156170
8	96138407	96138874	96138538	13	22	5	3.675816657	0.000667901		ENSG00000200525
8	96171790	96172009	96171899	8	10	1	5.273997812	0.00391723		ENSG00000200525
8	96194026	96194550	96194221	15	28	19	1.390417605	0.124062	PLEKHF2	ENSG00000175895
8	96194612	96194851	96194731	8	10	7	1.318499453	0.269217	PLEKHF2	ENSG00000175895

8	96214636	96214933	96214792	12	15	5	2.557089848	0.0169197	PLEKHF2	ENSG00000175895
8	96221383	96221590	96221488	9	9	4	1.917817386	0.103282	PLEKHF2	ENSG00000175895
8	96274335	96274808	96274571	12	22	21	1.002495452	0.4958	PLEKHF2	ENSG00000175895
8	96300973	96301217	96301095	9	10	5	1.757999271	0.121253	C8orf37	ENSG00000156172
8	96306801	96307404	96307122	38	60	9	5.849343028	1.90E-10	C8orf37	ENSG00000156172
8	96330098	96330426	96330262	14	20	5	3.356180426	0.0017534	C8orf37	ENSG00000156172
8	96350802	96351571	96351045	24	46	21	2.048577662	0.00191286	C8orf37	ENSG00000156172
8	96386764	96387002	96386890	9	10	7	1.318499453	0.269217	C8orf37	ENSG00000156172
8	96467979	96468248	96468113	13	16	4	3.260289556	0.00475414	C8orf37	ENSG00000156172
8	96794984	96795201	96795100	9	11	3	2.876726079	0.0213797		ENSG00000223297
8	96854370	96854930	96854634	111	149	13	10.27402171	9.04E-30		ENSG00000223297
8	97090742	97090946	97090833	8	8	3	2.157544559	0.0836802		ENSG00000183663
8	97111165	97111356	97111260	8	8	6	1.232882605	0.333038		ENSG00000183663
8	97394550	97394782	97394619	9	11	2	3.835634772	0.00800699		ENSG00000199732
8	97446866	97447137	97447001	10	12	0	12.46581301	0.000159888		ENSG00000199732
8	97574985	97575177	97575056	8	11	8	1.278544924	0.28289	SDC2	ENSG00000169439
8	98252119	98252469	98252297	13	17	3	4.315089119	0.00102271	TSPYL5	ENSG00000180543
8	98359429	98359637	98359546	8	10	2	3.515998541	0.0136204	TSPYL5	ENSG00000180543
8	98505461	98505770	98505616	19	21	3	5.273997812	0.00011662		ENSG00000207215
8	98634924	98635218	98635071	9	11	8	1.278544924	0.28289		ENSG00000208981
8	98641562	98641788	98641682	8	10	7	1.318499453	0.269217		ENSG00000208981
8	98663897	98664189	98664057	9	12	5	2.077635502	0.0577144		ENSG00000208981
8	98698592	98698892	98698742	8	11	3	2.876726079	0.0213797		ENSG00000213750
8	98724894	98725162	98725011	8	12	8	1.385090334	0.219216	MTDH	ENSG00000147649
8	98877833	98878162	98877994	8	11	3	2.876726079	0.0213797	LAPTM4B	ENSG00000104341
8	98921316	98921576	98921472	9	11	0	11.50690432	0.000313206	MATN2	ENSG00000132561
8	99126785	99127129	99126957	8	13	6	1.917817386	0.0693353	RPL30	ENSG00000156482
8	99127601	99127841	99127765	9	12	2	4.155271003	0.0046638	RPL30	ENSG00000156482
8	99170965	99171154	99171020	8	8	4	1.726035648	0.150596	C8orf47	ENSG00000177459
8	99198426	99198711	99198605	8	11	3	2.876726079	0.0213797	HRSP12	ENSG00000132541
8	99198890	99199286	99199069	9	16	5	2.716907964	0.0109645	POP1	ENSG00000104356
8	99245197	99245452	99245318	8	10	4	2.109599125	0.0694668		ENSG00000208954
8	99246091	99246479	99246270	9	17	11	1.43836304	0.15834		ENSG00000208954
8	99321452	99321719	99321585	11	14	1	7.191815198	0.00034761	NPAL2	ENSG00000104361

8	99340924	99341254	99341089	21	25	6	3.56166086	0.000408555	NPAL2	ENSG00000104361
8	99387540	99387722	99387695	8	8	1	4.315089119	0.0127267	NPAL2	ENSG00000104361
8	99628424	99628628	99628572	8	8	2	2.876726079	0.0381137		ENSG00000207378
8	100094307	100094763	100094584	11	18	9	1.821926517	0.0548428	VPS13B	ENSG00000132549
8	100249580	100249775	100249736	8	8	4	1.726035648	0.150596		ENSG00000217401
8	100440034	100440223	100440160	8	9	3	2.397271733	0.0539397		ENSG00000220743
8	100456333	100456540	100456436	8	8	2	2.876726079	0.0381137		ENSG00000220743
8	100577134	100577468	100577301	22	24	23	0.998863222	0.500802		ENSG00000206699
8	100592288	100592601	100592439	9	11	1	5.753452158	0.00215302		ENSG00000206699
8	100787220	100787503	100787368	13	15	9	1.534253909	0.136498		ENSG00000220387
8	100835841	100836021	100835931	8	8	1	4.315089119	0.0127267		ENSG00000220387
8	100880659	100880910	100880780	8	12	6	1.78083043	0.0985525	COX6C	ENSG00000164919
8	100880980	100881324	100881148	10	15	3	3.835634772	0.00291691	COX6C	ENSG00000164919
8	100919504	100919684	100919620	8	10	8	1.171999514	0.35773	COX6C	ENSG00000164919
8	100975112	100975380	100975284	9	12	5	2.077635502	0.0577144	COX6C	ENSG00000164919
8	101088651	101089123	101088889	25	40	3	9.828814104	1.78E-09		ENSG00000212414
8	101230469	101230656	101230562	8	8	3	2.157544559	0.0836802	POLR2K	ENSG00000147669
8	101231739	101232060	101231899	14	18	14	1.214617678	0.282961	POLR2K	ENSG00000147669
8	101232077	101232265	101232113	8	9	8	1.065454103	0.442605	POLR2K	ENSG00000147669
8	101294929	101295235	101295069	10	14	2	4.794543465	0.00154571		ENSG00000199667
8	101319957	101320161	101320081	9	10	1	5.273997812	0.00391723	RNF19A	ENSG00000034677
8	101343589	101343893	101343741	9	12	3	3.116453252	0.0131971	RNF19A	ENSG00000034677
8	101447329	101447607	101447468	10	10	3	2.636998906	0.034203	RNF19A	ENSG00000034677
8	101498810	101499008	101498915	9	10	3	2.636998906	0.034203	RNF19A	ENSG00000034677
8	101526170	101526707	101526325	10	20	5	3.356180426	0.0017534	ANKRD46	ENSG00000186106
8	101530475	101530654	101530579	8	8	2	2.876726079	0.0381137	ANKRD46	ENSG00000186106
8	101569172	101569710	101569474	46	69	8	7.458178724	3.17E-13	ANKRD46	ENSG00000186106
8	101591586	101591883	101591756	12	17	4	3.452071295	0.00292757	ANKRD46	ENSG00000186106
8	101641099	101641461	101641213	12	17	5	2.876726079	0.00703033	ANKRD46	ENSG00000186106
8	101645456	101645717	101645587	12	15	1	7.671269544	0.000187863	ANKRD46	ENSG00000186106
8	101723702	101723986	101723849	10	13	7	1.678090213	0.11195	SNX31	ENSG00000174226
8	101754834	101755286	101755076	31	45	2	14.70326663	1.04E-11		ENSG00000208885
8	101758103	101758351	101758224	9	10	3	2.636998906	0.034203		ENSG00000208885
8	101762254	101762526	101762393	10	13	2	4.474907234	0.00269459		ENSG00000208885

8	101762841	101763078	101762953	9	10	8	1.171999514	0.35773		ENSG00000208885
8	101801062	101801333	101801230	8	10	0	10.54799562	0.000613541	PABPC1	ENSG00000070756
8	101801508	101801855	101801681	8	13	6	1.917817386	0.0693353	PABPC1	ENSG00000070756
8	101802155	101802385	101802270	8	13	8	1.491635745	0.166708	PABPC1	ENSG00000070756
8	101804397	101804626	101804518	9	11	4	2.301380863	0.0459276	PABPC1	ENSG00000070756
8	101827744	101828147	101827894	8	16	8	1.811271976	0.0663685		ENSG00000208882
8	101829460	101829726	101829611	12	14	9	1.43836304	0.179537		ENSG00000202001
8	101837390	101837664	101837527	8	11	3	2.876726079	0.0213797		ENSG00000202001
8	101916960	101917285	101917122	8	13	8	1.491635745	0.166708		ENSG00000222795
8	101928527	101928876	101928701	8	14	7	1.797953799	0.0806593		ENSG00000222795
8	101981882	101982306	101982015	15	23	4	4.602761727	0.000137072	RPS26P6	ENSG00000212994
8	101989945	101990374	101990195	8	18	4	3.643853034	0.00178791	RPS26P6	ENSG00000212994
8	102019946	102020252	102020099	9	12	10	1.133255728	0.37674	YWHAZ	ENSG00000164924
8	102031774	102032062	102031915	11	14	4	2.876726079	0.01219	YWHAZ	ENSG00000164924
8	102033696	102033978	102033810	11	13	7	1.678090213	0.11195	YWHAZ	ENSG00000164924
8	102034692	102035048	102034870	8	13	10	1.220429246	0.306001	YWHAZ	ENSG00000164924
8	102045924	102046113	102046066	8	9	3	2.397271733	0.0539397		ENSG00000207080
8	102061383	102061647	102061515	11	12	3	3.116453252	0.0131971		ENSG00000207080
8	102085054	102085313	102085185	8	9	4	1.917817386	0.103282		ENSG00000207080
8	102123519	102123777	102123680	9	9	1	4.794543465	0.00708517		ENSG00000207080
8	102132922	102133316	102133137	8	16	19	0.815072389	0.734271		ENSG00000202360
8	102134628	102135090	102134822	9	20	2	6.712360851	4.91E-05		ENSG00000202360
8	102135123	102135715	102135539	36	54	3	13.18499453	3.33E-13		ENSG00000202360
8	102135746	102135952	102135874	8	10	0	10.54799562	0.000613541		ENSG00000202360
8	102282073	102282340	102282206	8	11	2	3.835634772	0.00800699	ZNF706	ENSG00000120963
8	102286373	102286613	102286448	8	10	2	3.515998541	0.0136204	ZNF706	ENSG00000120963
8	102326765	102327150	102326960	17	25	6	3.56166086	0.000408555	ZNF706	ENSG00000120963
8	102340178	102340362	102340229	8	9	4	1.917817386	0.103282	ZNF706	ENSG00000120963
8	102382954	102383214	102383047	9	11	2	3.835634772	0.00800699		ENSG00000180230
8	102414307	102414707	102414528	9	17	6	2.465765211	0.014729		ENSG00000180230
8	102442247	102442747	102442471	16	28	17	1.54490845	0.0688567		ENSG00000180230
8	102457529	102458129	102457702	12	27	12	2.0653418	0.0117911		ENSG00000180230
8	102516750	102516978	102516860	9	11	8	1.278544924	0.28289		ENSG00000222841
8	102518464	102518993	102518659	15	31	17	1.704726565	0.0311659		ENSG00000222841

8	102519764	102520110	102519937	12	17	10	1.569123316	0.112309		ENSG00000222841
8	102532700	102532958	102532829	10	11	4	2.301380863	0.0459276	GRHL2	ENSG00000083307
8	102536453	102536680	102536585	10	10	5	1.757999271	0.121253	GRHL2	ENSG00000083307
8	102540373	102540552	102540462	8	8	2	2.876726079	0.0381137	GRHL2	ENSG00000083307
8	102541025	102541508	102541331	13	22	14	1.470326663	0.117149	GRHL2	ENSG00000083307
8	102548549	102548819	102548684	9	12	7	1.558226626	0.152813	GRHL2	ENSG00000083307
8	102554074	102554269	102554164	9	9	7	1.198635866	0.346278	GRHL2	ENSG00000083307
8	102554355	102554580	102554467	9	9	5	1.598181155	0.170911	GRHL2	ENSG00000083307
8	102555702	102556131	102555875	18	25	5	4.155271003	0.000149583	GRHL2	ENSG00000083307
8	102556648	102556827	102556737	8	8	3	2.157544559	0.0836802	GRHL2	ENSG00000083307
8	102572969	102573151	102573119	8	8	6	1.232882605	0.333038	GRHL2	ENSG00000083307
8	102573155	102574370	102574118	34	82	29	2.652980717	5.09E-07	GRHL2	ENSG00000083307
8	102575486	102575935	102575650	10	18	10	1.656296833	0.0841786	GRHL2	ENSG00000083307
8	102576084	102576791	102576263	11	28	14	1.85389014	0.0220495	GRHL2	ENSG00000083307
8	102582881	102583353	102583060	9	19	7	2.397271733	0.0127287	GRHL2	ENSG00000083307
8	102585910	102586329	102586171	18	26	7	3.236316839	0.000628017	GRHL2	ENSG00000083307
8	102619645	102619974	102619809	12	16	7	2.037680973	0.0400399		ENSG00000208823
8	102684966	102685352	102685145	28	34	11	2.796817021	0.000446021		ENSG00000222247
8	102688955	102689148	102689079	8	8	12	0.663859864	0.833689		ENSG00000222247
8	102690029	102690382	102690205	8	12	6	1.78083043	0.0985525		ENSG00000222247
8	102713852	102714276	102714115	12	18	9	1.821926517	0.0548428		ENSG00000222247
8	102716120	102716445	102716282	8	14	5	2.397271733	0.0258078		ENSG00000222247
8	102717139	102717451	102717295	17	21	5	3.515998541	0.00108602		ENSG00000222247
8	102727712	102728015	102727945	12	16	7	2.037680973	0.0400399		ENSG00000222247
8	102836435	102836689	102836558	8	9	2	3.19636231	0.0229249	NCALD	ENSG00000104490
8	102837860	102838046	102837959	8	9	4	1.917817386	0.103282	NCALD	ENSG00000104490
8	102917443	102917660	102917523	9	11	7	1.43836304	0.204844		ENSG00000208818
8	102983760	102983944	102983866	8	8	2	2.876726079	0.0381137		ENSG00000208818
8	103185409	103185697	103185545	8	10	3	2.636998906	0.034203	NCALD	ENSG00000104490
8	103190304	103190568	103190454	9	10	5	1.757999271	0.121253	NCALD	ENSG00000104490
8	103312773	103313010	103312847	9	12	5	2.077635502	0.0577144	RRM2B	ENSG00000048392
8	103317826	103318627	103318255	269	350	11	28.04807927	3.83E-86	RRM2B	ENSG00000048392
8	103318818	103319190	103318984	10	17	1	8.630178238	5.44E-05	RRM2B	ENSG00000048392
8	103320048	103320492	103320222	16	26	9	2.589053471	0.00289627	RRM2B	ENSG00000048392

8	103320641	103320881	103320737	8	10	6	1.506856518	0.188853	RRM2B	ENSG00000048392
8	103372999	103373221	103373080	8	8	5	1.43836304	0.235762	RRM2B	ENSG00000048392
8	103382830	103383025	103382978	8	9	1	4.794543465	0.00708517	RRM2B	ENSG00000048392
8	103415223	103415404	103415323	8	8	1	4.315089119	0.0127267		ENSG00000208813
8	103448941	103449377	103449120	9	15	5	2.557089848	0.0169197		ENSG00000208813
8	103477459	103477649	103477517	8	8	2	2.876726079	0.0381137		ENSG00000208813
8	103508381	103508773	103508594	30	39	1	19.17817386	4.29E-11		ENSG00000221387
8	103508780	103508965	103508882	8	9	1	4.794543465	0.00708517		ENSG00000221387
8	103548240	103548422	103548328	8	8	1	4.315089119	0.0127267		ENSG00000214885
8	103593103	103593388	103593245	12	14	8	1.598181155	0.124586		ENSG00000208806
8	103666702	103666897	103666762	9	10	0	10.54799562	0.000613541	ODF1	ENSG00000155087
8	103682281	103682761	103682582	10	19	13	1.369869562	0.177863	ODF1	ENSG00000155087
8	103698214	103698659	103698362	10	17	9	1.726035648	0.0753664	KLF10	ENSG00000155090
8	103714020	103714233	103714126	8	10	10	0.958908693	0.538751	KLF10	ENSG00000155090
8	103733175	103733505	103733340	11	16	11	1.358453982	0.20248	KLF10	ENSG00000155090
8	103734996	103735297	103735159	11	15	6	2.191791298	0.0328001	KLF10	ENSG00000155090
8	103764991	103765203	103765097	12	12	3	3.116453252	0.0131971	KLF10	ENSG00000155090
8	103783382	103783568	103783446	8	8	2	2.876726079	0.0381137	KLF10	ENSG00000155090
8	103802981	103803470	103803160	10	19	8	2.130908207	0.0233014	KLF10	ENSG00000155090
8	103886498	103886688	103886618	8	8	4	1.726035648	0.150596		ENSG00000217620
8	103888634	103889246	103889067	18	32	10	2.876726079	0.00049414		ENSG00000217620
8	103890574	103890906	103890735	18	23	4	4.602761727	0.000137072		ENSG00000217620
8	103891690	103891904	103891797	9	10	7	1.318499453	0.269217		ENSG00000217620
8	103896142	103896404	103896321	11	14	6	2.054804342	0.0480281		ENSG00000217620
8	103945307	103945720	103945436	8	16	8	1.811271976	0.0663685	AZIN1	ENSG00000155096
8	104042897	104043172	104043034	8	11	6	1.643843474	0.137712		ENSG00000201216
8	104049617	104049821	104049720	8	10	5	1.757999271	0.121253		ENSG00000201216
8	104061856	104062099	104061999	8	10	1	5.273997812	0.00391723		ENSG00000201216
8	104102453	104102663	104102551	10	12	6	1.78083043	0.0985525	ATP6V1C1	ENSG00000155097
8	104201734	104201980	104201863	14	15	4	3.068507818	0.0076507	BAALC	ENSG00000164929
8	104217511	104217761	104217636	13	14	15	0.8989769	0.617119	BAALC	ENSG00000164929
8	104256842	104257263	104257110	11	16	3	4.075361945	0.00173346	BAALC	ENSG00000164929
8	104268325	104268535	104268430	8	9	3	2.397271733	0.0539397	BAALC	ENSG00000164929
8	104291610	104292162	104291945	68	86	4	16.68501126	6.33E-21	BAALC	ENSG00000164929

8	104292465	104292732	104292621	8	10	5	1.757999271	0.121253	BAALC	ENSG00000164929
8	104311215	104311408	104311393	8	9	1	4.794543465	0.00708517		ENSG00000205066
8	104337512	104337732	104337595	9	11	5	1.917817386	0.0843804		ENSG00000205066
8	104360585	104360773	104360679	8	8	4	1.726035648	0.150596		ENSG00000205066
8	104380980	104381297	104381205	10	14	9	1.43836304	0.179537	FZD6	ENSG00000164930
8	104454617	104455138	104454877	18	30	7	3.715771186	9.63E-05	CTHRC1	ENSG00000164932
8	104496515	104497257	104496780	15	36	22	1.542592245	0.0476873	WDSOF1	ENSG00000164934
8	104580287	104580619	104580454	8	11	1	5.753452158	0.00215302	RIMS2	ENSG00000176406
8	104593519	104593778	104593605	14	16	3	4.075361945	0.00173346	RIMS2	ENSG00000176406
8	104788775	104789009	104788910	9	12	3	3.116453252	0.0131971		ENSG00000208758
8	104845732	104845984	104845874	8	11	2	3.835634772	0.00800699	RIMS2	ENSG00000176406
8	104876925	104877249	104877087	21	25	6	3.56166086	0.000408555	RIMS2	ENSG00000176406
8	104878015	104878388	104878194	9	17	8	1.917817386	0.0474153	RIMS2	ENSG00000176406
8	105153837	105154477	105154367	17	34	2	11.18726809	1.02E-08	RIMS2	ENSG00000176406
8	105211638	105212011	105211851	12	18	11	1.518272097	0.122037	RIMS2	ENSG00000176406
8	105216284	105216695	105216435	9	15	6	2.191791298	0.0328001	RIMS2	ENSG00000176406
8	105237511	105237847	105237672	9	12	1	6.232906505	0.00117736	RIMS2	ENSG00000176406
8	105406843	105407221	105407055	8	14	3	3.595907599	0.00486913	TM7SF4	ENSG00000164935
8	105407239	105407580	105407405	10	14	3	3.595907599	0.00486913	TM7SF4	ENSG00000164935
8	105432138	105432350	105432244	8	8	2	2.876726079	0.0381137	TM7SF4	ENSG00000164935
8	105471336	105471727	105471453	10	17	7	2.157544559	0.0276499		ENSG00000220279
8	105499364	105499665	105499498	13	16	10	1.481949798	0.147733		ENSG00000179577
8	105523722	105523978	105523827	9	11	4	2.301380863	0.0459276		ENSG00000212028
8	105602224	105602405	105602314	9	9	3	2.397271733	0.0539397		ENSG00000208032
8	105670641	105670829	105670735	9	9	0	9.589086931	0.00120187	LRP12	ENSG00000147650
8	105724381	105724743	105724525	9	16	1	8.150723891	0.000101217	LRP12	ENSG00000147650
8	105780618	105780864	105780727	10	12	1	6.232906505	0.00117736	LRP12	ENSG00000147650
8	105787365	105787809	105787587	14	23	1	11.50690432	1.25E-06	LRP12	ENSG00000147650
8	105814808	105814999	105814903	9	9	1	4.794543465	0.00708517	LRP12	ENSG00000147650
8	105841185	105841397	105841291	10	11	5	1.917817386	0.0843804	LRP12	ENSG00000147650
8	105859785	105860003	105859921	10	11	4	2.301380863	0.0459276	LRP12	ENSG00000147650
8	105869203	105869569	105869382	8	15	12	1.180195315	0.324974	LRP12	ENSG00000147650
8	105912501	105912694	105912574	9	10	1	5.273997812	0.00391723	LRP12	ENSG00000147650
8	105973539	105973724	105973631	8	8	1	4.315089119	0.0127267	LRP12	ENSG00000147650

8	105976391	105976802	105976596	14	24	5	3.995452888	0.00024777	LRP12	ENSG00000147650
8	106323377	106323568	106323472	8	8	0	8.630178238	0.00235436	ZFPM2	ENSG00000169946
8	106446331	106446575	106446453	9	10	1	5.273997812	0.00391723	ZFPM2	ENSG00000169946
8	106506433	106506677	106506541	11	12	8	1.385090334	0.219216	ZFPM2	ENSG00000169946
8	107381959	107382158	107382046	8	8	3	2.157544559	0.0836802		ENSG00000213708
8	107415415	107415804	107415594	11	18	2	6.073088389	0.000157975		ENSG00000213708
8	107574867	107575091	107574973	8	9	5	1.598181155	0.170911	OXR1	ENSG00000164830
8	107673209	107673479	107673344	8	11	6	1.643843474	0.137712	OXR1	ENSG00000164830
8	107689855	107690348	107690139	88	113	8	12.14617678	1.76E-24	OXR1	ENSG00000164830
8	107738770	107738971	107738871	9	9	7	1.198635866	0.346278	OXR1	ENSG00000164830
8	107739813	107740116	107739965	13	16	6	2.328778255	0.0221113	OXR1	ENSG00000164830
8	107807291	107807678	107807437	10	16	10	1.481949798	0.147733	OXR1	ENSG00000164830
8	107854120	107854317	107854224	8	10	4	2.109599125	0.0694668	ABRA	ENSG00000174429
8	107937988	107938231	107938109	9	12	6	1.78083043	0.0985525	ABRA	ENSG00000174429
8	107971951	107972198	107972074	8	9	6	1.369869562	0.253675	ABRA	ENSG00000174429
8	108003932	108004111	108004061	8	8	0	8.630178238	0.00235436	ABRA	ENSG00000174429
8	108512964	108513164	108513085	8	8	1	4.315089119	0.0127267	ANGPT1	ENSG00000154188
8	108613837	108614079	108613959	8	9	1	4.794543465	0.00708517	ANGPT1	ENSG00000154188
8	108837721	108838000	108837860	8	10	0	10.54799562	0.000613541		ENSG00000200806
8	108862896	108863177	108863036	11	13	1	6.712360851	0.000640982		ENSG00000200806
8	109076316	109076495	109076417	8	8	2	2.876726079	0.0381137	RSPO2	ENSG00000147655
8	109161948	109162198	109162073	8	10	3	2.636998906	0.034203	RSPO2	ENSG00000147655
8	109288296	109288494	109288395	10	11	2	3.835634772	0.00800699	EIF3E	ENSG00000104408
8	109324526	109324714	109324620	8	8	3	2.157544559	0.0836802	EIF3E	ENSG00000104408
8	109329490	109329758	109329610	11	13	6	1.917817386	0.0693353	EIF3E	ENSG00000104408
8	109329933	109330433	109330152	21	31	9	3.068507818	0.000350883	EIF3E	ENSG00000104408
8	109347885	109348175	109348014	9	12	1	6.232906505	0.00117736	EIF3E	ENSG00000104408
8	109390712	109390919	109390836	10	10	5	1.757999271	0.121253		ENSG00000208733
8	109518949	109519186	109519071	11	11	4	2.301380863	0.0459276	TTC35	ENSG00000104412
8	109524355	109524692	109524523	8	14	5	2.397271733	0.0258078	TTC35	ENSG00000104412
8	109524696	109525015	109524855	8	13	6	1.917817386	0.0693353	TTC35	ENSG00000104412
8	109562555	109562768	109562710	8	9	2	3.19636231	0.0229249	TTC35	ENSG00000104412
8	109653907	109654279	109654059	27	34	4	6.712360851	3.20E-07	TTC35	ENSG00000104412
8	109785212	109785488	109785358	9	11	5	1.917817386	0.0843804	TMEM74	ENSG00000164841

8	110198180	110198455	110198327	11	14	4	2.876726079	0.01219	TRHR	ENSG00000174417
8	110227211	110227397	110227314	8	9	5	1.598181155	0.170911	TRHR	ENSG00000174417
8	110397874	110398132	110398037	8	11	5	1.917817386	0.0843804	NUDCD1	ENSG00000120526
8	110415484	110415753	110415618	12	15	14	1.022835939	0.473606	NUDCD1	ENSG00000120526
8	110415854	110416321	110416184	9	18	8	2.024362796	0.0334397	ENY2	ENSG00000120533
8	110651803	110651994	110651941	8	8	2	2.876726079	0.0381137	EBAG9	ENSG00000147654
8	110658630	110658828	110658776	8	9	5	1.598181155	0.170911	EBAG9	ENSG00000147654
8	110819058	110819318	110819171	10	10	2	3.515998541	0.0136204		ENSG00000147642
8	110882859	110883104	110882981	9	10	2	3.515998541	0.0136204		ENSG00000222729
8	110920076	110920268	110920238	8	8	0	8.630178238	0.00235436		ENSG00000222729
8	110974636	110974893	110974776	8	11	2	3.835634772	0.00800699		ENSG00000222729
8	111057012	111057259	111057135	11	13	3	3.356180426	0.00805599	KCNV1	ENSG00000164794
8	111478137	111478335	111478247	8	9	5	1.598181155	0.170911	KCNV1	ENSG00000164794
8	111478409	111478697	111478565	8	12	7	1.558226626	0.152813	KCNV1	ENSG00000164794
8	111575028	111575417	111575266	20	27	2	8.949814469	7.46E-07		ENSG00000208705
8	111913981	111914172	111914064	9	9	1	4.794543465	0.00708517		ENSG00000208705
8	112105987	112106311	112106134	8	11	1	5.753452158	0.00215302		ENSG00000208693
8	112479788	112480052	112479920	11	13	3	3.356180426	0.00805599		ENSG00000208693
8	113538126	113538350	113538214	8	9	3	2.397271733	0.0539397		ENSG00000208686
8	113754967	113755300	113755122	13	17	2	5.753452158	0.000281509		ENSG00000208686
8	113831871	113832191	113832031	23	26	0	25.89053471	1.31E-08		ENSG00000208686
8	113882592	113882785	113882623	9	11	1	5.753452158	0.00215302		ENSG00000208686
8	114902135	114902375	114902225	9	11	0	11.50690432	0.000313206		ENSG00000206719
8	115005018	115005221	115005163	8	9	2	3.19636231	0.0229249		ENSG00000206719
8	116192868	116193188	116193029	14	17	1	8.630178238	5.44E-05		
8	116254252	116254440	116254327	8	8	4	1.726035648	0.150596	TRPS1	ENSG00000104447
8	116462187	116462369	116462297	8	9	3	2.397271733	0.0539397	TRPS1	ENSG00000104447
8	116919534	116920226	116920051	23	47	7	5.753452158	1.54E-08	TRPS1	ENSG00000104447
8	116948338	116948911	116948517	19	31	6	4.383582597	2.10E-05		ENSG00000199450
8	116948961	116949193	116949061	9	11	1	5.753452158	0.00215302		ENSG00000199450
8	117020492	117020702	117020578	10	10	15	0.659249726	0.861705		ENSG00000199450
8	117059694	117060049	117059871	16	21	7	2.636998906	0.00562102		ENSG00000199450
8	117069142	117069518	117069346	19	26	12	1.991579593	0.0165204		ENSG00000199450
8	117079789	117079997	117079922	8	10	11	0.878999635	0.622439		ENSG00000199450

8	117118529	117118715	117118665	8	8	0	8.630178238	0.00235436	ENSG00000199450
8	117176499	117176679	117176589	8	10	2	3.515998541	0.0136204	ENSG00000221793
8	117524612	117524816	117524753	8	9	2	3.19636231	0.0229249	ENSG00000221793
8	117738316	117738499	117738372	8	8	2	2.876726079	0.0381137 EIF3H	ENSG00000147677
8	117866363	117866690	117866526	11	15	0	15.34253909	2.13E-05 UTP23	ENSG00000147679
8	117866696	117866943	117866835	8	10	1	5.273997812	0.00391723 UTP23	ENSG00000147679
8	117869912	117870220	117870062	9	12	6	1.78083043	0.0985525 UTP23	ENSG00000147679
8	117901609	117901874	117901736	12	13	0	13.4247217	8.16E-05 UTP23	ENSG00000147679
8	117969002	117969262	117969106	10	14	5	2.397271733	0.0258078 RAD21	ENSG00000164754
8	118119192	118119404	118119298	8	9	1	4.794543465	0.00708517	ENSG00000208665
8	118313482	118313707	118313592	9	11	5	1.917817386	0.0843804	ENSG00000208663
8	118697904	118698114	118698009	10	11	2	3.835634772	0.00800699 MED30	ENSG00000164758
8	118900081	118900262	118900113	8	8	1	4.315089119	0.0127267 EXT1	ENSG00000182197
8	119318909	119319169	119319083	8	8	3	2.157544559	0.0836802 EXT1	ENSG00000182197
8	119497177	119497442	119497295	11	12	3	3.116453252	0.0131971 SAMD12	ENSG00000177570
8	119521224	119521474	119521335	11	12	1	6.232906505	0.00117736 SAMD12	ENSG00000177570
8	119931395	119931840	119931580	34	45	5	7.351633313	2.73E-09 TNFRSF11E	ENSG00000164761
8	119960105	119960337	119960208	10	14	3	3.595907599	0.00486913 TNFRSF11E	ENSG00000164761
8	120010750	120010940	120010855	8	10	2	3.515998541	0.0136204 TNFRSF11E	ENSG00000164761
8	120193847	120194103	120194025	11	13	2	4.474907234	0.00269459 COLEC10	ENSG00000184374
8	120214693	120214934	120214813	9	11	1	5.753452158	0.00215302 COLEC10	ENSG00000184374
8	120520551	120520771	120520661	8	9	1	4.794543465	0.00708517 NOV	ENSG00000136999
8	120583400	120583706	120583533	11	13	2	4.474907234	0.00269459	ENSG00000213690
8	120616743	120616981	120616851	9	11	2	3.835634772	0.00800699	ENSG00000213690
8	120702179	120702605	120702426	28	40	2	13.10508547	2.42E-10 ENPP2	ENSG00000136960
8	120722849	120723138	120722965	8	10	2	3.515998541	0.0136204 ENPP2	ENSG00000136960
8	120914202	120914588	120914381	10	18	5	3.036544195	0.0044641 TAF2	ENSG00000064313
8	120944659	120944867	120944763	9	9	2	3.19636231	0.0229249	ENSG00000208631
8	120947034	120947231	120947095	8	8	0	8.630178238	0.00235436	ENSG00000208631
8	120956095	120956289	120956215	8	9	4	1.917817386	0.103282 DEPDC6	ENSG00000155792
8	121064227	121064488	121064331	14	17	2	5.753452158	0.000281509	ENSG00000202356
8	121204960	121205271	121205048	10	14	4	2.876726079	0.01219 COL14A1	ENSG00000187955
8	121519343	121519823	121519529	26	37	2	12.14617678	1.58E-09 MRPL13	ENSG00000172172
8	121526578	121526784	121526652	9	10	5	1.757999271	0.121253 MRPL13	ENSG00000172172

8	121733688	121733962	121733825	9	11	2	3.835634772	0.00800699	SNTB1	ENSG00000172164
8	121760563	121760763	121760705	8	9	4	1.917817386	0.103282	SNTB1	ENSG00000172164
8	121836547	121836831	121836689	8	9	3	2.397271733	0.0539397	SNTB1	ENSG00000172164
8	121890036	121890465	121890203	11	18	13	1.301376083	0.22245	SNTB1	ENSG00000172164
8	121998169	121998450	121998309	10	12	5	2.077635502	0.0577144	SNTB1	ENSG00000172164
8	121998661	121998860	121998771	8	9	2	3.19636231	0.0229249	SNTB1	ENSG00000172164
8	122017969	122018664	122018323	45	74	7	8.989768997	3.55E-15	SNTB1	ENSG00000172164
8	122020367	122020799	122020645	13	22	9	2.205489994	0.0136443	SNTB1	ENSG00000172164
8	122032656	122032921	122032788	10	13	3	3.356180426	0.00805599	SNTB1	ENSG00000172164
8	122178862	122179142	122179002	10	12	2	4.155271003	0.0046638		ENSG00000221644
8	122226970	122227337	122227149	14	21	4	4.219198249	0.000390041		ENSG00000221644
8	122232316	122232720	122232536	11	19	13	1.369869562	0.177863		ENSG00000221644
8	122235856	122236321	122236035	14	22	8	2.450544438	0.0073921		ENSG00000221644
8	122236725	122236995	122236894	9	10	2	3.515998541	0.0136204		ENSG00000221644
8	122246617	122246929	122246772	11	15	6	2.191791298	0.0328001		ENSG00000221644
8	122304935	122305142	122304986	9	10	9	1.054799562	0.4492		ENSG00000221644
8	122321896	122322188	122322033	10	14	4	2.876726079	0.01219		ENSG00000221644
8	122330226	122330655	122330476	12	22	6	3.150699991	0.00166398		ENSG00000221644
8	122342679	122342868	122342773	8	8	3	2.157544559	0.0836802		ENSG00000221644
8	122508232	122508433	122508332	8	9	3	2.397271733	0.0539397		ENSG00000222786
8	122615691	122616133	122615904	19	30	3	7.431542371	6.87E-07		ENSG00000222786
8	122668697	122668895	122668808	8	9	2	3.19636231	0.0229249	HAS2	ENSG00000170961
8	122669994	122670212	122670075	8	10	6	1.506856518	0.188853	HAS2	ENSG00000170961
8	122715992	122716226	122716109	9	9	4	1.917817386	0.103282	HAS2	ENSG00000170961
8	122723632	122723938	122723785	8	11	8	1.278544924	0.28289	HAS2	ENSG00000170961
8	122823217	122823553	122823375	9	14	14	0.958908693	0.545362	HAS2	ENSG00000170961
8	122857587	122858113	122857904	33	51	12	3.835634772	5.27E-07	HAS2	ENSG00000170961
8	122899035	122899337	122899197	12	14	1	7.191815198	0.00034761	HAS2	ENSG00000170961
8	123267287	123267602	123267444	9	13	8	1.491635745	0.166708		ENSG00000208620
8	123353553	123353760	123353656	9	11	1	5.753452158	0.00215302		ENSG00000208620
8	123363335	123363599	123363477	8	11	6	1.643843474	0.137712		ENSG00000208620
8	123414207	123414435	123414290	8	10	0	10.54799562	0.000613541		ENSG00000208620
8	123420358	123420923	123420534	16	32	5	5.273997812	3.82E-06		ENSG00000208620
8	123650027	123650322	123650174	18	22	4	4.410979988	0.000231863		ENSG00000208620

8	123653619	123654006	123653882	9	15	8	1.704726565	0.0916153	ENSG00000208620
8	123656880	123657078	123656979	9	9	5	1.598181155	0.170911	ENSG00000208620
8	123725099	123725320	123725209	8	9	9	0.958908693	0.536911	ENSG00000208620
8	123754868	123755159	123755025	8	12	9	1.246581301	0.295061	ENSG00000208620
8	123830590	123830786	123830688	8	8	6	1.232882605	0.333038	ENSG00000217845
8	123861506	123861990	123861712	10	23	13	1.643843474	0.0639146	ZHX2 ENSG00000178764
8	123862261	123862597	123862429	10	14	11	1.198635866	0.315918	ZHX2 ENSG00000178764
8	123867277	123867744	123867467	32	44	19	2.157544559	0.001365	ZHX2 ENSG00000178764
8	123876482	123876756	123876619	13	17	11	1.43836304	0.15834	ZHX2 ENSG00000178764
8	123903469	123903752	123903572	8	12	6	1.78083043	0.0985525	ENSG00000221542
8	123966518	123966722	123966620	9	9	4	1.917817386	0.103282	ENSG00000221542
8	124027062	124027365	124027213	8	11	3	2.876726079	0.0213797	ENSG00000220455
8	124053814	124053993	124053919	8	8	2	2.876726079	0.0381137	ENSG00000220455
8	124100371	124100631	124100477	8	12	3	3.116453252	0.0131971	ENSG00000220455
8	124103913	124104184	124104054	10	11	3	2.876726079	0.0213797	ENSG00000220455
8	124119155	124119501	124119327	10	13	5	2.237453617	0.038866	DERL1 ENSG00000136986
8	124121842	124122136	124121976	10	14	2	4.794543465	0.00154571	DERL1 ENSG00000136986
8	124123643	124123843	124123765	8	9	6	1.369869562	0.253675	DERL1 ENSG00000136986
8	124124077	124124445	124124256	13	20	8	2.237453617	0.0160557	DERL1 ENSG00000136986
8	124146786	124146981	124146942	8	9	6	1.369869562	0.253675	WDR67 ENSG00000156787
8	124154494	124154734	124154619	8	12	4	2.493162602	0.0299057	WDR67 ENSG00000156787
8	124177834	124178157	124177986	11	15	5	2.557089848	0.0169197	WDR67 ENSG00000156787
8	124220811	124221073	124220970	12	13	4	2.684944341	0.01921	ENSG00000214821
8	124227604	124227802	124227703	8	8	2	2.876726079	0.0381137	ENSG00000214821
8	124236291	124236494	124236352	8	9	7	1.198635866	0.346278	ENSG00000208612
8	124238447	124238963	124238641	24	39	18	2.018755143	0.00431574	ENSG00000208612
8	124241764	124241995	124241872	11	12	2	4.155271003	0.0046638	ENSG00000208612
8	124263730	124264120	124263941	15	22	12	1.696530765	0.057768	FAM83A ENSG00000147689
8	124302096	124302460	124302222	8	13	3	3.356180426	0.00805599	ENSG00000204949
8	124322591	124322777	124322694	8	8	2	2.876726079	0.0381137	C8orf76 ENSG00000189376
8	124356054	124356456	124356293	9	16	5	2.716907964	0.0109645	ZHX1 ENSG00000165156
8	124358353	124358532	124358442	8	8	10	0.784561658	0.708731	ZHX1 ENSG00000165156
8	124438402	124438653	124438531	8	8	6	1.232882605	0.333038	ENSG00000207704
8	124465961	124466149	124466046	8	8	1	4.315089119	0.0127267	ATAD2 ENSG00000156802

8	124476785	124477319	124477050	10	24	18	1.261721965	0.218718	ATAD2	ENSG00000156802
8	124477679	124478326	124478005	22	43	18	2.220630658	0.0011336	ATAD2	ENSG00000156802
8	124498266	124498784	124498498	8	19	21	0.871735176	0.672523	WDYHV1	ENSG00000156795
8	124568013	124568278	124568141	9	10	10	0.958908693	0.538751		ENSG00000222694
8	124577930	124578144	124577980	8	9	3	2.397271733	0.0539397		ENSG00000222694
8	124629652	124629975	124629813	12	16	2	5.433815927	0.000499302	FBXO32	ENSG00000156804
8	124645402	124645836	124645565	9	16	24	0.652057911	0.917054		ENSG00000208595
8	124693606	124694455	124693944	162	237	2	76.07342298	2.20E-66		ENSG00000208595
8	124714309	124714544	124714426	8	11	7	1.43836304	0.204844	KLHL38	ENSG00000175946
8	124767546	124767740	124767643	8	8	3	2.157544559	0.0836802	ANXA13	ENSG00000104537
8	124775218	124775569	124775414	10	15	4	3.068507818	0.0076507	ANXA13	ENSG00000104537
8	124795423	124795602	124795534	8	8	2	2.876726079	0.0381137	ANXA13	ENSG00000104537
8	124797018	124797407	124797197	9	16	10	1.481949798	0.147733	ANXA13	ENSG00000104537
8	124801282	124801898	124801604	17	29	7	3.595907599	0.000155266	ANXA13	ENSG00000104537
8	124844778	124845150	124844957	10	18	6	2.602752167	0.00970422	FAM91A1	ENSG00000176853
8	124847502	124847701	124847601	8	9	6	1.369869562	0.253675	FAM91A1	ENSG00000176853
8	124850423	124850668	124850499	9	11	6	1.643843474	0.137712	FAM91A1	ENSG00000176853
8	124907399	124907623	124907539	9	12	3	3.116453252	0.0131971	FAM91A1	ENSG00000176853
8	124913897	124914182	124914031	8	9	5	1.598181155	0.170911	FAM91A1	ENSG00000176853
8	124925587	124926815	124926409	432	578	6	79.31544761	6.33E-158	FAM91A1	ENSG00000176853
8	125016717	125016932	125016814	8	8	1	4.315089119	0.0127267	FER1L6	ENSG00000214814
8	125061259	125061543	125061401	8	10	5	1.757999271	0.121253	FER1L6	ENSG00000214814
8	125063417	125063616	125063497	8	8	7	1.07877228	0.435076	FER1L6	ENSG00000214814
8	125097251	125097496	125097430	8	10	0	10.54799562	0.000613541	C8orf54	ENSG00000181171
8	125111809	125112083	125111946	9	12	7	1.558226626	0.152813	C8orf54	ENSG00000181171
8	125119281	125119500	125119390	8	9	6	1.369869562	0.253675	C8orf54	ENSG00000181171
8	125186275	125186622	125186445	12	16	4	3.260289556	0.00475414	C8orf54	ENSG00000181171
8	125219653	125219985	125219822	14	19	9	1.917817386	0.0394029	C8orf54	ENSG00000181171
8	125227262	125227469	125227364	8	10	7	1.318499453	0.269217		ENSG00000214803
8	125229290	125229608	125229461	8	13	5	2.237453617	0.038866		ENSG00000214803
8	125261800	125262145	125261968	14	17	6	2.465765211	0.014729		ENSG00000214803
8	125281148	125281341	125281282	8	9	3	2.397271733	0.0539397		ENSG00000214803
8	125281349	125282346	125281694	19	60	20	2.785401442	6.69E-06		ENSG00000214803
8	125352962	125353154	125353058	9	9	5	1.598181155	0.170911		ENSG00000206724

8	125362253	125362477	125362333	10	11	3	2.876726079	0.0213797	ENSG00000206724
8	125362527	125362706	125362673	8	8	0	8.630178238	0.00235436	ENSG00000206724
8	125432362	125432619	125432490	8	11	1	5.753452158	0.00215302	TMEM65 ENSG00000164983
8	125454155	125454436	125454315	10	14	5	2.397271733	0.0258078	TMEM65 ENSG00000164983
8	125454800	125455096	125454963	8	11	18	0.605626543	0.918575	TMEM65 ENSG00000164983
8	125506809	125507014	125506908	10	10	7	1.318499453	0.269217	TRMT12 ENSG00000183665
8	125507482	125507846	125507682	10	16	8	1.811271976	0.0663685	TRMT12 ENSG00000183665
8	125509436	125509652	125509527	8	8	5	1.43836304	0.235762	TRMT12 ENSG00000183665
8	125521868	125522059	125521993	8	8	10	0.784561658	0.708731	TRMT12 ENSG00000183665
8	125532029	125532443	125532239	9	17	15	1.07877228	0.410615	TRMT12 ENSG00000183665
8	125554512	125554739	125554625	8	9	4	1.917817386	0.103282	RNF139 ENSG00000170881
8	125555517	125556235	125555702	10	30	18	1.564535236	0.0578367	RNF139 ENSG00000170881
8	125556692	125556995	125556846	11	12	8	1.385090334	0.219216	RNF139 ENSG00000170881
8	125557491	125557941	125557783	10	17	11	1.43836304	0.15834	RNF139 ENSG00000170881
8	125572651	125573143	125572826	17	31	24	1.227403127	0.218358	RNF139 ENSG00000170881
8	125619852	125620069	125619999	9	11	8	1.278544924	0.28289	TATDN1 ENSG00000147687
8	125620090	125620717	125620394	13	30	10	2.702379044	0.00113582	TATDN1 ENSG00000147687
8	125620793	125621010	125620901	9	9	6	1.369869562	0.253675	NDUFB9 ENSG00000147684
8	125631312	125631538	125631425	8	10	2	3.515998541	0.0136204	NDUFB9 ENSG00000147684
8	125674440	125674713	125674576	9	12	7	1.558226626	0.152813	MTSS1 ENSG00000170873
8	125716986	125717188	125717025	8	10	4	2.109599125	0.0694668	MTSS1 ENSG00000170873
8	125833534	125833832	125833683	12	14	5	2.397271733	0.0258078	MTSS1 ENSG00000170873
8	125890713	125890908	125890745	8	9	6	1.369869562	0.253675	MTSS1 ENSG00000170873
8	125925976	125926168	125926067	8	9	3	2.397271733	0.0539397	MTSS1 ENSG00000170873
8	125970178	125970490	125970352	9	13	10	1.220429246	0.306001	ZNF572 ENSG00000180938
8	126000595	126000810	126000734	8	9	3	2.397271733	0.0539397	ZNF572 ENSG00000180938
8	126054475	126054904	126054654	18	28	11	2.317362675	0.00474534	ZNF572 ENSG00000180938
8	126079938	126080159	126080041	10	11	4	2.301380863	0.0459276	SQLE ENSG00000104549
8	126080373	126080853	126080507	8	18	16	1.07172148	0.415914	SQLE ENSG00000104549
8	126173132	126173413	126173264	13	14	6	2.054804342	0.0480281	NSMCE2 ENSG00000156831
8	126181701	126181893	126181799	8	8	1	4.315089119	0.0127267	NSMCE2 ENSG00000156831
8	126192353	126192546	126192449	10	10	4	2.109599125	0.0694668	NSMCE2 ENSG00000156831
8	126216998	126217177	126217037	9	9	0	9.589086931	0.00120187	NSMCE2 ENSG00000156831
8	126224916	126225256	126225077	17	22	4	4.410979988	0.000231863	NSMCE2 ENSG00000156831

8	126234870	126235158	126235014	8	10	3	2.636998906	0.034203	NSMCE2	ENSG00000156831
8	126270368	126270610	126270496	8	8	4	1.726035648	0.150596		ENSG00000222813
8	126270627	126271080	126270895	56	71	3	17.26035648	7.81E-18		ENSG00000222813
8	126271439	126271693	126271539	8	11	5	1.917817386	0.0843804		ENSG00000222813
8	126300666	126301024	126300845	17	23	3	5.753452158	3.82E-05		ENSG00000222813
8	126305015	126305233	126305124	8	8	4	1.726035648	0.150596		ENSG00000222813
8	126312068	126312482	126312245	11	17	4	3.452071295	0.00292757		ENSG00000222813
8	126321290	126321482	126321386	8	8	4	1.726035648	0.150596		ENSG00000222813
8	126341344	126341529	126341445	8	8	1	4.315089119	0.0127267		ENSG00000222813
8	126354463	126354642	126354552	11	11	4	2.301380863	0.0459276		ENSG00000222813
8	126360494	126360794	126360661	9	13	3	3.356180426	0.00805599		ENSG00000222813
8	126367347	126367550	126367452	10	10	2	3.515998541	0.0136204		ENSG00000222813
8	126377295	126377497	126377396	8	8	9	0.863017824	0.627343		ENSG00000222813
8	126419390	126419607	126419512	8	9	7	1.198635866	0.346278		ENSG00000222813
8	126511472	126511972	126511629	23	32	9	3.164398687	0.000225664	TRIB1	ENSG00000173334
8	126512642	126512926	126512778	8	11	3	2.876726079	0.0213797	TRIB1	ENSG00000173334
8	126513426	126513771	126513598	19	22	6	3.150699991	0.00166398	TRIB1	ENSG00000173334
8	126515115	126515446	126515280	8	10	11	0.878999635	0.622439	TRIB1	ENSG00000173334
8	126533507	126533815	126533662	11	16	9	1.630144778	0.102169	TRIB1	ENSG00000173334
8	126560939	126561185	126561064	8	10	3	2.636998906	0.034203	TRIB1	ENSG00000173334
8	126594495	126594726	126594605	11	11	3	2.876726079	0.0213797	TRIB1	ENSG00000173334
8	126628548	126628776	126628641	8	10	5	1.757999271	0.121253	TRIB1	ENSG00000173334
8	126644963	126645360	126645142	13	20	7	2.517135319	0.00849957	TRIB1	ENSG00000173334
8	126694150	126694337	126694235	8	8	1	4.315089119	0.0127267	TRIB1	ENSG00000173334
8	126725782	126726304	126726125	24	40	17	2.184180912	0.00187032	TRIB1	ENSG00000173334
8	126745837	126746316	126746051	15	24	8	2.663635258	0.00328036	TRIB1	ENSG00000173334
8	126789438	126789720	126789579	8	10	7	1.318499453	0.269217		ENSG00000206695
8	126814870	126815077	126814975	8	10	4	2.109599125	0.0694668		ENSG00000206695
8	126868786	126869106	126868942	10	13	9	1.34247217	0.232231		ENSG00000206695
8	126869177	126869599	126869334	11	16	14	1.086763185	0.404922		ENSG00000206695
8	126965728	126965958	126965843	9	9	1	4.794543465	0.00708517		ENSG00000206695
8	126975103	126975295	126975212	8	8	2	2.876726079	0.0381137		ENSG00000206695
8	126993408	126993741	126993576	11	14	11	1.198635866	0.315918		ENSG00000206695
8	127039287	127039623	127039460	14	17	6	2.465765211	0.014729		ENSG00000206695

8	127047481	127047669	127047598	8	8	5	1.43836304	0.235762	ENSG00000206695
8	127049974	127050277	127050134	9	12	3	3.116453252	0.0131971	ENSG00000206695
8	127148288	127148622	127148454	13	16	6	2.328778255	0.0221113	ENSG00000221706
8	127150251	127150555	127150393	8	12	5	2.077635502	0.0577144	ENSG00000221706
8	127192560	127192761	127192709	9	9	4	1.917817386	0.103282	ENSG00000221706
8	127256224	127256461	127256316	9	10	3	2.636998906	0.034203	ENSG00000221706
8	127357250	127357503	127357376	10	10	8	1.171999514	0.35773	ENSG00000221706
8	127401865	127402082	127401964	8	10	3	2.636998906	0.034203	ENSG00000221706
8	127440272	127440486	127440341	10	11	2	3.835634772	0.00800699	ENSG00000207138
8	127465135	127465353	127465277	9	10	10	0.958908693	0.538751	ENSG00000207138
8	127533474	127533831	127533652	27	32	7	3.955498359	3.65E-05	ENSG00000207138
8	127584890	127585095	127584992	8	8	4	1.726035648	0.150596	ENSG00000207138
8	127591751	127592000	127591875	13	14	5	2.397271733	0.0258078	ENSG00000207138
8	127639080	127639619	127639302	15	28	20	1.324207243	0.159584	FAM84B ENSG00000168672
8	127639693	127640301	127640122	18	38	11	3.116453252	8.15E-05	FAM84B ENSG00000168672
8	127645734	127646210	127645995	15	31	13	2.191791298	0.00499072	FAM84B ENSG00000168672
8	127646228	127646506	127646367	8	12	8	1.385090334	0.219216	FAM84B ENSG00000168672
8	127651938	127652211	127652045	9	11	5	1.917817386	0.0843804	FAM84B ENSG00000168672
8	127653201	127653674	127653495	18	34	5	5.593634043	1.29E-06	FAM84B ENSG00000168672
8	127661079	127662082	127661607	168	240	13	16.50692822	8.90E-54	FAM84B ENSG00000168672
8	127666209	127666429	127666319	8	8	4	1.726035648	0.150596	FAM84B ENSG00000168672
8	127685270	127685590	127685430	15	20	7	2.517135319	0.00849957	FAM84B ENSG00000168672
8	127690941	127691461	127691181	10	21	10	1.917817386	0.0328292	FAM84B ENSG00000168672
8	127717617	127717838	127717727	9	9	6	1.369869562	0.253675	ENSG00000212451
8	127751842	127752063	127752004	8	9	2	3.19636231	0.0229249	ENSG00000212451
8	127855671	127855902	127855786	8	10	1	5.273997812	0.00391723	ENSG00000212451
8	127905953	127906149	127906059	8	10	3	2.636998906	0.034203	ENSG00000212451
8	127958092	127958483	127958271	37	46	3	11.26717714	4.63E-11	ENSG00000212451
8	128120194	128120436	128120315	9	12	2	4.155271003	0.0046638	ENSG00000212451
8	128252726	128252910	128252761	8	8	2	2.876726079	0.0381137	POU5F1P1 ENSG00000212993
8	128288465	128288948	128288644	45	58	9	5.657561289	5.54E-10	POU5F1P1 ENSG00000212993
8	128289006	128289207	128289132	8	11	6	1.643843474	0.137712	POU5F1P1 ENSG00000212993
8	128296546	128297039	128296806	14	25	11	2.077635502	0.0139694	POU5F1P1 ENSG00000212993
8	128298435	128298758	128298597	9	11	2	3.835634772	0.00800699	POU5F1P1 ENSG00000212993

8	128348343	128348599	128348471	8	11	4	2.301380863	0.0459276	POU5F1P1	ENSG00000212993
8	128350261	128350636	128350457	17	24	1	11.98635866	6.63E-07	POU5F1P1	ENSG00000212993
8	128352303	128352717	128352557	13	20	9	2.013708255	0.0279742	POU5F1P1	ENSG00000212993
8	128384235	128384461	128384348	11	11	5	1.917817386	0.0843804	POU5F1P1	ENSG00000212993
8	128385326	128385593	128385459	8	10	3	2.636998906	0.034203	POU5F1P1	ENSG00000212993
8	128423505	128424053	128423719	15	30	6	4.246595641	3.49E-05	POU5F1P1	ENSG00000212993
8	128446123	128446354	128446241	8	10	1	5.273997812	0.00391723	POU5F1P1	ENSG00000212993
8	128479445	128479964	128479785	17	27	10	2.440858491	0.00375894	POU5F1P1	ENSG00000212993
8	128482198	128482482	128482340	11	11	6	1.643843474	0.137712	POU5F1P1	ENSG00000212993
8	128482931	128483115	128483023	8	9	4	1.917817386	0.103282	POU5F1P1	ENSG00000212993
8	128533971	128534241	128534097	8	10	4	2.109599125	0.0694668	POU5F1P1	ENSG00000212993
8	128631750	128632069	128631890	10	13	8	1.491635745	0.166708	POU5F1P1	ENSG00000212993
8	128634065	128634604	128634435	10	22	12	1.696530765	0.057768	POU5F1P1	ENSG00000212993
8	128634836	128635109	128634972	8	11	1	5.753452158	0.00215302	POU5F1P1	ENSG00000212993
8	128671004	128671313	128671171	11	14	4	2.876726079	0.01219	MYC	ENSG00000136997
8	128742733	128743053	128742886	15	17	5	2.876726079	0.00703033	MYC	ENSG00000136997
8	128749382	128749709	128749559	11	15	4	3.068507818	0.0076507	MYC	ENSG00000136997
8	128750110	128750597	128750332	20	31	20	1.461194199	0.084213	MYC	ENSG00000136997
8	128750850	128751139	128751016	14	17	6	2.465765211	0.014729	MYC	ENSG00000136997
8	128765395	128765614	128765504	9	10	3	2.636998906	0.034203	MYC	ENSG00000136997
8	128807229	128807731	128807378	14	26	12	1.991579593	0.0165204	MYC	ENSG00000136997
8	128815155	128816000	128815573	24	53	22	2.251350845	0.000308984	MYC	ENSG00000136997
8	128816268	128816668	128816382	10	16	7	2.037680973	0.0400399	MYC	ENSG00000136997
8	128817113	128817320	128817189	10	11	10	1.046082211	0.455063	MYC	ENSG00000136997
8	128817401	128817777	128817605	14	20	15	1.25856766	0.240048	MYC	ENSG00000136997
8	128817884	128818136	128817989	10	14	13	1.027402171	0.469541	MYC	ENSG00000136997
8	128820177	128820486	128820332	11	15	8	1.704726565	0.0916153	MYC	ENSG00000136997
8	128831096	128831325	128831240	8	9	2	3.19636231	0.0229249	MYC	ENSG00000136997
8	128848303	128848534	128848417	10	10	4	2.109599125	0.0694668		ENSG00000214789
8	128863800	128864444	128864125	10	27	11	2.237453617	0.00685906		ENSG00000214789
8	128871373	128871577	128871475	8	8	6	1.232882605	0.333038		ENSG00000214789
8	128876041	128878220	128877209	427	732	36	18.9967587	5.88E-164		ENSG00000221315
8	128891104	128891373	128891265	10	13	7	1.678090213	0.11195		ENSG00000221315
8	128900897	128901192	128901038	10	12	8	1.385090334	0.219216		ENSG00000221315

8	128901314	128901751	128901468	10	19	9	1.917817386	0.0394029	ENSG00000221315
8	128904953	128905143	128904990	8	10	4	2.109599125	0.0694668	ENSG00000221315
8	128913060	128913352	128913206	18	22	2	7.351633313	1.51E-05	ENSG00000221315
8	128913387	128913826	128913597	11	21	8	2.343999027	0.0109478	ENSG00000221315
8	128926708	128926947	128926827	9	11	9	1.150690432	0.367789	ENSG00000221315
8	128930737	128930988	128930862	11	12	16	0.733283118	0.803868	ENSG00000221315
8	128932674	128933390	128933148	9	26	10	2.353684974	0.00551687	ENSG00000221315
8	128933529	128934478	128933770	21	55	19	2.684944341	2.45E-05	ENSG00000221315
8	128935807	128936306	128936065	8	18	8	2.024362796	0.0334397	ENSG00000221315
8	128941042	128941732	128941466	19	45	17	2.450544438	0.000311809	ENSG00000221315
8	128946490	128946703	128946596	10	11	11	0.958908693	0.540507	ENSG00000221315
8	128947408	128947991	128947587	11	25	10	2.266511456	0.00802978	ENSG00000221315
8	128948566	128948842	128948704	10	16	5	2.716907964	0.0109645	ENSG00000221315
8	128949224	128949465	128949344	8	9	7	1.198635866	0.346278	ENSG00000221315
8	128951678	128952698	128952227	14	44	27	1.541103257	0.0334126	ENSG00000221315
8	128977443	128977669	128977530	8	10	11	0.878999635	0.622439	TMEM75 ENSG00000184090
8	128977728	128977956	128977857	8	9	3	2.397271733	0.0539397	TMEM75 ENSG00000184090
8	128980382	128980913	128980601	20	35	8	3.835634772	2.29E-05	TMEM75 ENSG00000184090
8	128981918	128982285	128982006	8	12	11	1.038817751	0.460341	TMEM75 ENSG00000184090
8	128995828	128996122	128995975	8	11	6	1.643843474	0.137712	TMEM75 ENSG00000184090
8	129001674	129001936	129001787	8	10	1	5.273997812	0.00391723	TMEM75 ENSG00000184090
8	129004370	129004636	129004537	8	10	6	1.506856518	0.188853	TMEM75 ENSG00000184090
8	129005285	129005628	129005473	10	15	3	3.835634772	0.00291691	TMEM75 ENSG00000184090
8	129008264	129008466	129008337	8	9	5	1.598181155	0.170911	TMEM75 ENSG00000184090
8	129027036	129027245	129027079	8	9	7	1.198635866	0.346278	TMEM75 ENSG00000184090
8	129028695	129029029	129028893	10	15	3	3.835634772	0.00291691	TMEM75 ENSG00000184090
8	129040553	129040732	129040626	8	9	3	2.397271733	0.0539397	ENSG00000221771
8	129055364	129055548	129055533	8	9	4	1.917817386	0.103282	ENSG00000221771
8	129071143	129071840	129071607	12	30	5	4.954361581	1.11E-05	ENSG00000207110
8	129076336	129076539	129076460	8	11	8	1.278544924	0.28289	ENSG00000207110
8	129079058	129079531	129079139	8	17	9	1.726035648	0.0753664	ENSG00000207110
8	129081564	129081917	129081740	8	13	8	1.491635745	0.166708	ENSG00000207110
8	129095964	129096207	129096128	8	10	4	2.109599125	0.0694668	ENSG00000222501
8	129106924	129107371	129107080	8	16	10	1.481949798	0.147733	ENSG00000222501

8	129114188	129114597	129114445	10	18	6	2.602752167	0.00970422	ENSG00000221176
8	129115729	129116057	129115893	8	14	9	1.43836304	0.179537	ENSG00000221176
8	129116609	129116862	129116730	9	11	2	3.835634772	0.00800699	ENSG00000221176
8	129138485	129139033	129138685	8	19	17	1.065454103	0.420867	ENSG00000221176
8	129169587	129170366	129170132	10	29	23	1.198635866	0.251284	ENSG00000221176
8	129176557	129176758	129176652	8	10	6	1.506856518	0.188853	ENSG00000221176
8	129183271	129183509	129183390	8	8	8	0.958908693	0.534974	ENSG00000221261
8	129196422	129196620	129196493	8	8	5	1.43836304	0.235762	ENSG00000221261
8	129197493	129197862	129197684	9	16	3	4.075361945	0.00173346	ENSG00000221261
8	129198944	129199131	129198990	8	10	10	0.958908693	0.538751	ENSG00000221261
8	129204627	129204900	129204766	8	11	3	2.876726079	0.0213797	ENSG00000221261
8	129207005	129207490	129207321	9	16	8	1.811271976	0.0663685	ENSG00000221261
8	129214055	129214430	129214181	12	18	13	1.301376083	0.22245	ENSG00000221261
8	129216195	129216374	129216277	8	8	4	1.726035648	0.150596	ENSG00000221261
8	129217621	129217833	129217723	9	11	3	2.876726079	0.0213797	ENSG00000221261
8	129218238	129218448	129218367	10	10	9	1.054799562	0.4492	ENSG00000221261
8	129219026	129219262	129219144	9	11	6	1.643843474	0.137712	ENSG00000221261
8	129221211	129221780	129221608	13	28	35	0.772454225	0.85154	ENSG00000221261
8	129222781	129223071	129222917	11	14	5	2.397271733	0.0258078	ENSG00000221261
8	129223140	129224196	129223535	58	114	42	2.564523249	1.11E-08	ENSG00000221261
8	129226386	129226701	129226530	9	11	11	0.958908693	0.540507	ENSG00000221261
8	129231485	129231763	129231640	10	12	5	2.077635502	0.0577144	ENSG00000221261
8	129233807	129234174	129233975	9	15	11	1.278544924	0.254978	ENSG00000221261
8	129234283	129234806	129234640	31	44	24	1.726035648	0.012272	ENSG00000221261
8	129235395	129235589	129235508	8	9	10	0.871735176	0.624623	ENSG00000221261
8	129235611	129235808	129235673	8	9	14	0.639272462	0.869513	ENSG00000221261
8	129240284	129240688	129240472	10	18	2	6.073088389	0.000157975	ENSG00000221261
8	129245098	129245306	129245207	8	9	3	2.397271733	0.0539397	ENSG00000221261
8	129248047	129248396	129248217	9	13	15	0.839045106	0.685928	ENSG00000221261
8	129248854	129249160	129248990	10	14	11	1.198635866	0.315918	ENSG00000221261
8	129249674	129250322	129249873	11	26	33	0.761486315	0.856894	ENSG00000221261
8	129258010	129258751	129258429	21	42	27	1.472609779	0.0523794	ENSG00000221261
8	129261262	129261584	129261423	8	12	5	2.077635502	0.0577144	ENSG00000221261
8	129266079	129266434	129266256	12	18	6	2.602752167	0.00970422	ENSG00000221261

8	129271358	129271550	129271440	8	9	7	1.198635866	0.346278	ENSG00000201782
8	129274720	129275068	129274894	9	14	13	1.027402171	0.469541	ENSG00000201782
8	129278531	129278966	129278699	13	22	16	1.297347055	0.203559	ENSG00000201782
8	129278972	129279533	129279158	14	29	27	1.027402171	0.457998	ENSG00000201782
8	129284045	129284260	129284170	8	11	2	3.835634772	0.00800699	ENSG00000201782
8	129291236	129291486	129291351	9	10	8	1.171999514	0.35773	ENSG00000201782
8	129298199	129298444	129298308	8	9	5	1.598181155	0.170911	ENSG00000201782
8	129302266	129302560	129302413	9	13	14	0.894981447	0.618069	ENSG00000201782
8	129316616	129316802	129316685	8	9	5	1.598181155	0.170911	ENSG00000201782
8	129320246	129320590	129320418	9	15	5	2.557089848	0.0169197	ENSG00000201782
8	129320771	129321049	129320902	9	11	9	1.150690432	0.367789	ENSG00000201782
8	129323617	129323863	129323733	10	13	9	1.34247217	0.232231	ENSG00000201782
8	129323923	129324178	129324050	10	12	0	12.46581301	0.000159888	ENSG00000201782
8	129326333	129326533	129326440	8	10	0	10.54799562	0.000613541	ENSG00000201782
8	129328837	129329033	129328929	8	9	1	4.794543465	0.00708517	ENSG00000201782
8	129333219	129333716	129333397	9	19	16	1.128127874	0.354788	ENSG00000201782
8	129335850	129336183	129336010	10	14	4	2.876726079	0.01219	ENSG00000201782
8	129340292	129340557	129340392	9	13	11	1.118726809	0.38479	ENSG00000201782
8	129341196	129341423	129341324	9	11	9	1.150690432	0.367789	ENSG00000201782
8	129350974	129351167	129351075	9	10	10	0.958908693	0.538751	ENSG00000201782
8	129388447	129388651	129388540	8	9	5	1.598181155	0.170911	ENSG00000201782
8	129403182	129403417	129403338	10	12	1	6.232906505	0.00117736	ENSG00000201782
8	129404241	129404486	129404337	9	13	9	1.34247217	0.232231	ENSG00000201782
8	129408420	129408600	129408469	8	8	8	0.958908693	0.534974	ENSG00000201782
8	129411016	129411265	129411140	8	12	2	4.155271003	0.0046638	ENSG00000201782
8	129424231	129424564	129424438	11	16	9	1.630144778	0.102169	ENSG00000201782
8	129439458	129439637	129439601	8	8	5	1.43836304	0.235762	ENSG00000201782
8	129490190	129490480	129490349	8	10	2	3.515998541	0.0136204	ENSG00000201782
8	129509638	129509959	129509804	10	12	5	2.077635502	0.0577144	ENSG00000201782
8	129591626	129591809	129591717	8	9	2	3.19636231	0.0229249	ENSG00000201782
8	129595063	129595292	129595203	9	10	1	5.273997812	0.00391723	ENSG00000201782
8	129617477	129617716	129617613	9	9	5	1.598181155	0.170911	ENSG00000221351
8	129672573	129672783	129672695	8	8	2	2.876726079	0.0381137	ENSG00000221351
8	129679974	129680182	129680078	8	9	4	1.917817386	0.103282	ENSG00000221351

8	129686845	129687028	129686927	8	8	1	4.315089119	0.0127267		ENSG00000221351
8	129734843	129735087	129734965	8	10	9	1.054799562	0.4492		ENSG00000221351
8	129744318	129744517	129744419	8	8	2	2.876726079	0.0381137		ENSG00000221351
8	129748250	129748448	129748351	10	10	0	10.54799562	0.000613541		ENSG00000221351
8	129820096	129820430	129820258	10	14	3	3.595907599	0.00486913		ENSG00000221351
8	129924718	129924921	129924819	9	10	0	10.54799562	0.000613541		ENSG00000221351
8	129950034	129950326	129950180	8	11	8	1.278544924	0.28289		ENSG00000221351
8	130086582	130086918	130086749	33	37	1	18.21926517	1.57E-10		ENSG00000221351
8	130471321	130471583	130471441	9	12	3	3.116453252	0.0131971		ENSG00000208525
8	130617119	130617487	130617298	19	26	7	3.236316839	0.000628017		ENSG00000208525
8	130632773	130633045	130632895	10	13	6	1.917817386	0.0693353	GSDMC	ENSG00000147697
8	130763407	130763693	130763531	11	13	10	1.220429246	0.306001	GSDMC	ENSG00000147697
8	130772230	130772419	130772377	8	9	2	3.19636231	0.0229249	GSDMC	ENSG00000147697
8	130807805	130808041	130807866	8	10	4	2.109599125	0.0694668	GSDMC	ENSG00000147697
8	130907553	130907732	130907675	8	8	3	2.157544559	0.0836802		ENSG00000198683
8	131021222	131021587	131021377	9	14	5	2.397271733	0.0258078	FAM49B	ENSG00000153310
8	131078023	131078492	131078176	15	25	15	1.558226626	0.0760878	FAM49B	ENSG00000153310
8	131079623	131079813	131079662	8	8	8	0.958908693	0.534974	FAM49B	ENSG00000153310
8	131080584	131080797	131080665	8	10	4	2.109599125	0.0694668	FAM49B	ENSG00000153310
8	131081452	131081690	131081571	9	10	2	3.515998541	0.0136204	FAM49B	ENSG00000153310
8	131123662	131124134	131123979	12	22	13	1.575349996	0.0840573	FAM49B	ENSG00000153310
8	131176101	131176490	131176280	9	16	8	1.811271976	0.0663685		ENSG00000203377
8	131387166	131387631	131387343	16	25	2	8.310542006	2.50E-06	ASAP1	ENSG00000153317
8	131430091	131430301	131430196	9	10	1	5.273997812	0.00391723	ASAP1	ENSG00000153317
8	131580922	131581336	131581098	11	18	4	3.643853034	0.00178791	ASAP1	ENSG00000153317
8	131756804	131757026	131756918	9	10	4	2.109599125	0.0694668		ENSG00000208512
8	131757039	131757360	131757192	11	15	5	2.557089848	0.0169197		ENSG00000208512
8	131766876	131767353	131767063	23	36	0	35.47962164	1.57E-11		ENSG00000208512
8	131797164	131797448	131797306	10	13	0	13.4247217	8.16E-05		ENSG00000208512
8	131870598	131870924	131870776	20	23	1	11.50690432	1.25E-06		ENSG00000208512
8	132696850	132697064	132696957	8	8	1	4.315089119	0.0127267	EFR3A	ENSG00000132294
8	133106578	133107322	133106841	34	56	3	13.66444888	9.60E-14	OC90	ENSG00000132297
8	133139214	133139465	133139371	9	12	2	4.155271003	0.0046638	OC90	ENSG00000132297
8	133485183	133485691	133485540	27	38	2	12.46581301	8.46E-10	KCNQ3	ENSG00000184156

8	133571045	133571318	133571181	12	13	6	1.917817386	0.0693353	KCNQ3	ENSG00000184156
8	133980366	133980807	133980464	14	23	2	7.671269544	8.30E-06	TG	ENSG00000042832
8	134286356	134286731	134286596	13	18	2	6.073088389	0.000157975	WISP1	ENSG00000104415
8	134331071	134331463	134331311	10	16	6	2.328778255	0.0221113	NDRG1	ENSG00000104419
8	134374985	134375267	134375126	8	9	2	3.19636231	0.0229249	NDRG1	ENSG00000104419
8	134379294	134379479	134379386	8	8	1	4.315089119	0.0127267	NDRG1	ENSG00000104419
8	134472422	134472767	134472600	21	26	4	5.178106943	2.75E-05		ENSG00000213627
8	134577931	134578137	134578034	9	11	3	2.876726079	0.0213797		ENSG00000212992
8	134967636	134967841	134967750	9	9	2	3.19636231	0.0229249		ENSG00000208501
8	135319304	135319549	135319402	10	12	2	4.155271003	0.0046638	ZFAT	ENSG00000066827
8	135772794	135773033	135772913	10	12	5	2.077635502	0.0577144	ZFAT	ENSG00000066827
8	135832013	135832288	135832153	8	11	0	11.50690432	0.000313206	ZFAT	ENSG00000066827
8	136016025	136016295	136016168	8	10	0	10.54799562	0.000613541		ENSG00000213624
8	136086390	136086595	136086492	8	8	1	4.315089119	0.0127267		ENSG00000213624
8	136115387	136115625	136115506	12	14	3	3.595907599	0.00486913		ENSG00000213624
8	136308570	136308771	136308670	8	10	2	3.515998541	0.0136204	KHDRBS3	ENSG00000131773
8	138838717	138839190	138838959	35	45	3	11.02744997	8.54E-11		
8	139228347	139228680	139228506	27	29	0	28.76726079	1.74E-09	FAM135B	ENSG00000147724
8	139808865	139809089	139808977	10	12	6	1.78083043	0.0985525	COL22A1	ENSG00000169436
8	139860133	139860337	139860235	8	9	1	4.794543465	0.00708517		ENSG00000208469
8	140104624	140104869	140104744	8	10	3	2.636998906	0.034203	COL22A1	ENSG00000169436
8	140261034	140261348	140261189	11	14	1	7.191815198	0.00034761	COL22A1	ENSG00000169436
8	140507890	140508129	140508009	8	9	1	4.794543465	0.00708517	KCNK9	ENSG00000169427
8	140740268	140740492	140740373	9	9	1	4.794543465	0.00708517	KCNK9	ENSG00000169427
8	140856305	140856484	140856343	8	8	4	1.726035648	0.150596	KCNK9	ENSG00000169427
8	140976009	140976526	140976310	20	32	2	10.54799562	3.50E-08	C8orf17	ENSG00000211505
8	141375255	141375459	141375296	9	9	4	1.917817386	0.103282	TRAPPC9	ENSG00000167632
8	141437928	141438108	141437985	8	8	1	4.315089119	0.0127267	TRAPPC9	ENSG00000167632
8	141537005	141537218	141537111	8	11	4	2.301380863	0.0459276	TRAPPC9	ENSG00000167632
8	141543661	141544099	141543826	11	18	3	4.554816292	0.000599415	TRAPPC9	ENSG00000167632
8	141747587	141747877	141747732	12	14	2	4.794543465	0.00154571	EIF2C2	ENSG00000123908
8	141870144	141870340	141870222	8	8	3	2.157544559	0.0836802	PTK2	ENSG00000169398
8	141910440	141910619	141910529	8	8	5	1.43836304	0.235762	PTK2	ENSG00000169398
8	142088163	142088378	142088224	8	11	0	11.50690432	0.000313206	PTK2	ENSG00000169398

8	142105986	142106285	142106153	9	12	1	6.232906505	0.00117736	PTK2	ENSG00000169398
8	142120693	142121052	142120909	12	18	5	3.036544195	0.0044641	PTK2	ENSG00000169398
8	142155229	142155590	142155362	8	12	5	2.077635502	0.0577144	DENND3	ENSG00000105339
8	142211223	142211447	142211335	8	8	2	2.876726079	0.0381137	DENND3	ENSG00000105339
8	142227284	142227504	142227382	8	8	6	1.232882605	0.333038		ENSG00000214762
8	142523245	142523424	142523334	8	8	0	8.630178238	0.00235436		ENSG00000208454
8	142634023	142634245	142634097	8	9	0	9.589086931	0.00120187		ENSG00000214761
8	143086727	143086906	143086810	8	8	2	2.876726079	0.0381137		ENSG00000221123
8	143209682	143210085	143209891	26	36	0	35.47962164	1.57E-11		ENSG00000222423
8	143314375	143314587	143314481	8	9	0	9.589086931	0.00120187		ENSG00000222423
8	143421629	143421966	143421797	12	17	1	8.630178238	5.44E-05	TSNARE1	ENSG00000171045
8	143489661	143489916	143489789	10	11	1	5.753452158	0.00215302	TSNARE1	ENSG00000171045
8	143559586	143560029	143559881	11	21	4	4.219198249	0.000390041	BAI1	ENSG00000181790
8	143588508	143588723	143588638	8	9	7	1.198635866	0.346278	BAI1	ENSG00000181790
8	143629554	143629768	143629661	9	11	3	2.876726079	0.0213797	ARC	ENSG00000198576
8	143748384	143748567	143748475	8	8	4	1.726035648	0.150596	PSCA	ENSG00000167653
8	143754539	143754909	143754695	13	19	7	2.397271733	0.0127287	PSCA	ENSG00000167653
8	143783523	143783961	143783767	17	28	1	13.90417605	5.17E-08	LY6K	ENSG00000160886
8	143796604	143796792	143796727	8	9	0	9.589086931	0.00120187	C8orf55	ENSG00000130193
8	143820767	143820981	143820843	9	9	0	9.589086931	0.00120187	SLURP1	ENSG00000126233
8	143860818	143861255	143860997	9	16	3	4.075361945	0.00173346	LY6D	ENSG00000167656
8	143866727	143867119	143866945	14	21	6	3.013713035	0.00261913	LY6D	ENSG00000167656
8	143867517	143867909	143867736	9	16	1	8.150723891	0.000101217	LY6D	ENSG00000167656
8	143893596	143895064	143894281	471	695	9	66.74004504	1.06E-186	GML	ENSG00000104499
8	144208702	144208954	144208824	9	9	5	1.598181155	0.170911	C8orf31	ENSG00000177335
8	144260867	144261123	144260966	9	11	0	11.50690432	0.000313206		ENSG00000203366
8	144269770	144270769	144270196	84	133	14	8.566250991	5.54E-25		ENSG00000203366
8	144434332	144434660	144434496	13	17	10	1.569123316	0.112309	GLI4	ENSG00000221850
8	144435012	144435442	144435187	9	17	6	2.465765211	0.014729	GLI4	ENSG00000221850
8	144487502	144487757	144487622	8	9	2	3.19636231	0.0229249	TOP1MT	ENSG00000184428
8	144890734	144890979	144890864	9	10	4	2.109599125	0.0694668	FAM83H	ENSG00000180921
8	144892794	144893103	144892952	11	13	1	6.712360851	0.000640982	FAM83H	ENSG00000180921
8	144893373	144893624	144893538	10	13	7	1.678090213	0.11195	FAM83H	ENSG00000180921
8	144927360	144927642	144927509	16	16	2	5.433815927	0.000499302		ENSG00000214733

8	144969132	144969489	144969310	19	25	6	3.56166086	0.000408555	SCRIB	ENSG00000180900
8	145032240	145032574	145032407	13	18	0	18.21926517	2.83E-06	NRBP2	ENSG00000185189
8	145052195	145052440	145052318	8	10	3	2.636998906	0.034203	PLEC1	ENSG00000178209
8	145088965	145089197	145089081	10	11	2	3.835634772	0.00800699	PLEC1	ENSG00000178209
8	145098933	145099114	145099005	9	9	6	1.369869562	0.253675	PLEC1	ENSG00000178209
8	145102823	145103370	145103191	16	30	4	5.945233897	3.05E-06	PLEC1	ENSG00000178209
8	145128705	145128940	145128822	9	12	9	1.246581301	0.295061	PARP10	ENSG00000178685
8	145149618	145149978	145149797	13	18	12	1.401481936	0.168368	SPATC1	ENSG00000186583
8	145151295	145151750	145151518	83	101	6	13.97266953	4.59E-23	SPATC1	ENSG00000186583
8	145153975	145154178	145154049	8	8	0	8.630178238	0.00235436	SPATC1	ENSG00000186583
8	145205313	145205648	145205486	10	14	6	2.054804342	0.0480281	EXOSC4	ENSG00000178896
8	145506796	145507126	145506961	13	17	2	5.753452158	0.000281509	DGAT1	ENSG00000185000
8	145567587	145568064	145567749	9	18	8	2.024362796	0.0334397	ADCK5	ENSG00000173137
8	145644391	145644788	145644583	12	20	3	5.034270639	0.000202317	NFKBIL2	ENSG00000160949
8	145651427	145651717	145651572	16	18	0	18.21926517	2.83E-06		ENSG00000204763
8	145663762	145664064	145663901	9	13	5	2.237453617	0.038866	KIFC2	ENSG00000167702
8	145880319	145880749	145880534	10	18	8	2.024362796	0.0334397		ENSG00000204756
8	145885293	145885472	145885382	8	8	5	1.43836304	0.235762		ENSG00000204756
8	145897898	145898461	145898219	67	101	6	13.97266953	4.59E-23		ENSG00000204756
8	146145365	146145577	146145484	8	8	3	2.157544559	0.0836802	ZNF16	ENSG00000170631
8	146199056	146199496	146199232	11	21	1	10.54799562	4.43E-06		ENSG00000188653
8	146222909	146223257	146223080	16	21	12	1.622768557	0.076896	C8orf33	ENSG00000182307
9	337781	338028	337904	9	11	9	1.150690432	0.367789	DOCK8	ENSG00000107099
9	382656	382835	382697	8	8	3	2.157544559	0.0836802	DOCK8	ENSG00000107099
9	754146	754447	754301	9	13	3	3.356180426	0.00805599	KANK1	ENSG00000107104
9	883831	884096	883963	9	12	2	4.155271003	0.0046638	DMRT1	ENSG00000137090
9	889917	890204	890062	9	12	1	6.232906505	0.00117736	DMRT1	ENSG00000137090
9	991800	991998	991899	11	11	2	3.835634772	0.00800699		ENSG00000210012
9	995186	995453	995303	10	12	2	4.155271003	0.0046638		ENSG00000210012
9	999089	999968	999399	102	199	9	19.17817386	1.18E-46		ENSG00000216922
9	1198391	1198571	1198479	8	8	1	4.315089119	0.0127267		ENSG00000217881
9	1697326	1697717	1697521	44	52	3	12.70554018	1.15E-12		ENSG00000218148
9	1967065	1967421	1967243	27	32	0	31.64398687	2.31E-10		ENSG00000218148
9	3499131	3499359	3499245	13	13	1	6.712360851	0.000640982	RFX3	ENSG00000080298

9	4594672	4595011	4594832	11	12	1	6.232906505	0.00117736	C9orf68	ENSG00000106686
9	4733269	4733625	4733447	17	23	1	11.50690432	1.25E-06	AK3	ENSG00000147853
9	5611370	5611598	5611516	8	9	1	4.794543465	0.00708517	KIAA1432	ENSG00000107036
9	5791216	5791412	5791314	8	8	0	8.630178238	0.00235436	ERMP1	ENSG00000099219
9	6077342	6077677	6077501	24	27	0	26.84944341	6.66E-09	RANBP6	ENSG00000137040
9	6854326	6854810	6854578	16	26	2	8.630178238	1.37E-06		ENSG00000220077
9	7424068	7424298	7424183	10	11	3	2.876726079	0.0213797		ENSG00000216892
9	10049035	10049434	10049255	20	29	3	7.191815198	1.23E-06		ENSG00000218032
9	11090744	11091095	11090887	14	19	0	19.17817386	1.44E-06		ENSG00000220830
9	12788062	12788383	12788222	19	22	1	11.02744997	2.36E-06	C9orf150	ENSG00000153714
9	13043606	13043785	13043674	8	8	1	4.315089119	0.0127267		ENSG00000216614
9	13430125	13430304	13430214	8	8	0	8.630178238	0.00235436		ENSG00000216249
9	14228630	14228886	14228758	8	9	7	1.198635866	0.346278		ENSG00000218212
9	15917317	15917577	15917447	9	9	1	4.794543465	0.00708517		ENSG00000207360
9	16425941	16426280	16426110	12	18	0	18.21926517	2.83E-06	C9orf92	ENSG00000205549
9	16627249	16627559	16627404	21	23	0	23.01380863	9.81E-08		ENSG00000218275
9	19399430	19399744	19399576	15	20	5	3.356180426	0.0017534	ASAH3L	ENSG00000177076
9	19475188	19475490	19475338	18	23	4	4.602761727	0.000137072		ENSG00000210448
9	19894716	19894971	19894843	17	19	3	4.794543465	0.000349205	SLC24A2	ENSG00000155886
9	20346355	20346672	20346514	13	16	1	8.150723891	0.000101217		ENSG00000216770
9	22124471	22124765	22124618	21	24	0	23.97271733	5.01E-08		ENSG00000215221
9	22234183	22234409	22234310	8	11	3	2.876726079	0.0213797	DMRTA1	ENSG00000176399
9	26966504	26966849	26966676	22	27	1	13.4247217	9.80E-08	IFT74	ENSG00000096872
9	30915598	30915889	30915743	13	15	1	7.671269544	0.000187863		ENSG00000214020
9	32707003	32707188	32707131	9	9	1	4.794543465	0.00708517		ENSG00000221450
9	33151680	33151866	33151775	8	9	1	4.794543465	0.00708517	B4GALT1	ENSG00000086062
9	33219419	33219737	33219578	13	16	5	2.716907964	0.0109645	SPINK4	ENSG00000122711
9	33277072	33277315	33277213	8	11	2	3.835634772	0.00800699	NFX1	ENSG00000086102
9	33405690	33405899	33405793	9	10	3	2.636998906	0.034203	AQP7	ENSG00000165269
9	33611141	33611487	33611289	12	16	1	8.150723891	0.000101217		ENSG00000216740
9	33866986	33867166	33867076	9	9	0	9.589086931	0.00120187		ENSG00000210688
9	34062357	34062818	34062611	157	184	5	29.56635137	5.37E-47		ENSG00000210706
9	34062937	34063480	34063313	17	34	2	11.18726809	1.02E-08		ENSG00000210706
9	35647693	35648018	35647862	10	14	7	1.797953799	0.0806593		ENSG00000199916

9	35722167	35722354	35722269	8	8	0	8.630178238	0.00235436	CREB3	ENSG00000107175
9	35816020	35816557	35816191	35	51	2	16.62108401	2.33E-13	C9orf128	ENSG00000204930
9	35834513	35834697	35834542	8	8	0	8.630178238	0.00235436	C9orf127	ENSG00000137103
9	35861573	35861788	35861664	9	10	1	5.273997812	0.00391723	OR13J1	ENSG00000168828
9	36064926	36065163	36065044	12	14	0	14.3836304	4.17E-05	RECK	ENSG00000122707
9	36409743	36410164	36409986	9	16	1	8.150723891	0.000101217	RNF38	ENSG00000137075
9	36876314	36876691	36876512	27	34	1	16.78090213	1.09E-09	PAX5	ENSG00000196092
9	36963192	36963481	36963326	13	15	2	5.114179696	0.00088103	PAX5	ENSG00000196092
9	37024613	37024887	37024717	8	12	1	6.232906505	0.00117736	PAX5	ENSG00000196092
9	38198762	38198941	38198841	8	8	0	8.630178238	0.00235436		ENSG00000210816
9	66561580	66562034	66561759	18	26	29	0.863017824	0.711594	ANKRD36	ENSG00000158185
9	66573749	66574079	66573914	12	14	10	1.307602763	0.244096	ANKRD36	ENSG00000158185
9	66583651	66583831	66583680	8	8	5	1.43836304	0.235762	ANKRD36	ENSG00000158185
9	67902981	67903557	67903236	11	26	10	2.353684974	0.00551687		ENSG00000217091
9	67903635	67904093	67903849	25	38	11	3.116453252	8.15E-05		ENSG00000217091
9	67904309	67904621	67904465	9	11	10	1.046082211	0.455063		ENSG00000217091
9	67905932	67906168	67906022	9	10	2	3.515998541	0.0136204		ENSG00000217091
9	67906949	67907473	67907257	10	19	24	0.767126954	0.814057		ENSG00000217091
9	67907651	67907930	67907800	8	11	8	1.278544924	0.28289		ENSG00000217091
9	67908169	67908722	67908410	14	31	24	1.227403127	0.218358		ENSG00000217091
9	67909119	67909447	67909283	10	12	16	0.733283118	0.803868		ENSG00000217091
9	67910413	67910740	67910576	16	21	16	1.240940662	0.248103		ENSG00000217091
9	67911041	67911279	67911122	8	11	11	0.958908693	0.540507		ENSG00000217091
9	67911770	67912206	67911981	9	17	16	1.015315087	0.480915		ENSG00000217091
9	67913797	67914032	67913914	8	10	24	0.421919825	0.994085		ENSG00000217091
9	67915021	67915357	67915238	9	14	18	0.757033179	0.792932		ENSG00000217091
9	67915368	67915573	67915518	8	11	21	0.523041105	0.969287		ENSG00000217091
9	67915593	67915847	67915742	9	12	13	0.890415215	0.619237		ENSG00000217091
9	67916497	67916785	67916641	10	14	5	2.397271733	0.0258078		ENSG00000217091
9	70260181	70260556	70260356	19	25	2	8.310542006	2.50E-06	C9orf71	ENSG00000181778
9	71780848	71781336	71781168	31	46	3	11.26717714	4.63E-11	MAMDC2	ENSG00000165072
9	73588006	73588190	73588098	8	8	4	1.726035648	0.150596	TMEM2	ENSG00000135048
9	73914598	73914893	73914735	10	13	3	3.356180426	0.00805599		ENSG00000219658
9	74236271	74236719	74236421	17	26	4	5.178106943	2.75E-05		ENSG00000217630

9	74362211	74362399	74362377	8	8	1	4.315089119	0.0127267		ENSG00000211074
9	74382222	74382441	74382331	10	11	3	2.876726079	0.0213797	TMC1	ENSG00000165091
9	74912310	74912523	74912416	8	8	1	4.315089119	0.0127267	ANXA1	ENSG00000135046
9	74937148	74937366	74937257	8	10	2	3.515998541	0.0136204	ANXA1	ENSG00000135046
9	75488710	75488892	75488825	8	9	3	2.397271733	0.0539397		ENSG00000219821
9	75488923	75489647	75489222	70	109	3	26.36998906	2.14E-28		ENSG00000219821
9	76457864	76458118	76457993	13	16	1	8.150723891	0.000101217		ENSG00000202217
9	76806890	76807092	76806990	8	8	2	2.876726079	0.0381137	C9orf41	ENSG00000156017
9	78198159	78198423	78198256	11	13	0	13.4247217	8.16E-05	RFK	ENSG00000135002
9	78376328	78376537	78376432	15	15	17	0.852363283	0.680376		ENSG00000211139
9	79111868	79112216	79112042	9	14	2	4.794543465	0.00154571	VPS13A	ENSG00000197969
9	79384385	79384638	79384510	9	11	5	1.917817386	0.0843804		ENSG00000218284
9	79385149	79385616	79385327	18	29	1	14.3836304	2.72E-08		ENSG00000218284
9	79394210	79394476	79394343	11	13	5	2.237453617	0.038866		ENSG00000218284
9	79786068	79786382	79786225	10	15	2	5.114179696	0.00088103	GNAQ	ENSG00000156052
9	79870331	79870580	79870455	14	15	1	7.671269544	0.000187863	GNAQ	ENSG00000156052
9	80093040	80093225	80093180	8	8	3	2.157544559	0.0836802	PSAT1	ENSG00000135069
9	80093246	80093588	80093418	20	25	3	6.232906505	1.23E-05	PSAT1	ENSG00000135069
9	80406766	80407235	80407057	16	26	3	6.472633678	6.96E-06		ENSG00000211157
9	80831012	80831619	80831251	52	74	5	11.98635866	9.10E-17		ENSG00000220535
9	81108095	81108337	81108243	11	12	0	12.46581301	0.000159888	CHCHD9	ENSG00000186940
9	81294344	81294715	81294506	8	13	3	3.356180426	0.00805599	TLE4	ENSG00000106829
9	81379452	81379770	81379628	14	17	1	8.630178238	5.44E-05	TLE4	ENSG00000106829
9	83396975	83397379	83397177	26	34	1	16.78090213	1.09E-09	TLE1	ENSG00000196781
9	83490911	83491231	83491071	9	13	6	1.917817386	0.0693353	TLE1	ENSG00000196781
9	83494710	83494984	83494836	8	10	2	3.515998541	0.0136204	TLE1	ENSG00000196781
9	83825917	83826464	83826167	121	155	1	74.79487806	2.16E-44		ENSG00000214929
9	84437661	84437854	84437805	11	11	0	11.50690432	0.000313206		ENSG00000211245
9	84766411	84766635	84766517	8	10	3	2.636998906	0.034203	RASEF	ENSG00000165105
9	84971266	84971550	84971430	9	11	3	2.876726079	0.0213797	FRMD3	ENSG00000172159
9	85512662	85512867	85512748	9	10	0	10.54799562	0.000613541	UBQLN1	ENSG00000135018
9	85761388	85761651	85761500	8	12	1	6.232906505	0.00117736	C9orf64	ENSG00000165118
9	85767113	85767405	85767242	8	9	0	9.589086931	0.00120187	C9orf64	ENSG00000165118
9	85784057	85784407	85784168	8	12	7	1.558226626	0.152813	HNRNPK	ENSG00000165119

9	85785175	85785577	85785407	9	15	7	1.917817386	0.0572317	HNRNPK	ENSG00000165119
9	86043363	86044014	86043638	133	172	2	55.29706797	1.12E-47		ENSG00000221282
9	86317321	86317737	86317510	27	38	2	12.46581301	8.46E-10		ENSG00000217944
9	86378554	86378828	86378692	13	15	1	7.671269544	0.000187863		ENSG00000217944
9	86656611	86657152	86656835	71	101	1	48.90434335	8.35E-29	NTRK2	ENSG00000148053
9	86661012	86661205	86661108	8	9	0	9.589086931	0.00120187	NTRK2	ENSG00000148053
9	87213282	87213560	87213421	15	17	4	3.452071295	0.00292757		ENSG00000203398
9	87911787	87911976	87911881	8	9	2	3.19636231	0.0229249	GOLM1	ENSG00000135052
9	88087654	88088006	88087831	12	17	1	8.630178238	5.44E-05	ISCA1	ENSG00000135070
9	88191084	88191336	88191203	8	8	1	4.315089119	0.0127267		ENSG00000214908
9	88238741	88238951	88238839	9	9	1	4.794543465	0.00708517		ENSG00000222293
9	88296040	88296375	88296207	8	13	0	13.4247217	8.16E-05		ENSG00000222293
9	88526107	88526332	88526231	10	12	0	12.46581301	0.000159888	GAS1	ENSG00000180447
9	88596947	88597149	88597048	12	13	0	13.4247217	8.16E-05	GAS1	ENSG00000180447
9	89017266	89017632	89017461	8	14	3	3.595907599	0.00486913		ENSG00000212421
9	89504871	89505224	89505047	20	25	2	8.310542006	2.50E-06	CTSL1	ENSG00000135047
9	89765253	89765483	89765397	8	8	1	4.315089119	0.0127267	CCRK	ENSG00000156345
9	89879426	89879680	89879553	12	12	1	6.232906505	0.00117736		ENSG00000218944
9	90324608	90324960	90324784	32	38	2	12.46581301	8.46E-10	NXNL2	ENSG00000130045
9	90877396	90877587	90877457	8	8	0	8.630178238	0.00235436	SHC3	ENSG00000148082
9	90985157	90985394	90985263	11	11	3	2.876726079	0.0213797	SHC3	ENSG00000148082
9	91123675	91123900	91123818	8	9	4	1.917817386	0.103282	SECISBP2	ENSG00000187742
9	91251793	91252054	91251924	11	14	1	7.191815198	0.00034761		ENSG00000219641
9	91466690	91467012	91466851	9	12	1	6.232906505	0.00117736	GADD45G	ENSG00000130222
9	91490882	91491354	91491126	153	186	3	44.8289814	3.32E-50	GADD45G	ENSG00000130222
9	91608887	91609423	91609086	42	54	0	52.73997812	8.69E-17	GADD45G	ENSG00000130222
9	92167833	92168131	92168006	12	15	1	7.671269544	0.000187863		ENSG00000105061
9	92444724	92444926	92444825	8	8	5	1.43836304	0.235762	DIRAS2	ENSG00000165023
9	92604300	92604508	92604403	9	9	1	4.794543465	0.00708517	SYK	ENSG00000165025
9	92787846	92788123	92787966	10	13	3	3.356180426	0.00805599	SYK	ENSG00000165025
9	92839330	92839683	92839440	10	14	5	2.397271733	0.0258078		ENSG00000219788
9	93235371	93235743	93235550	8	14	6	2.054804342	0.0480281	NFIL3	ENSG00000165030
9	93765894	93766306	93766125	25	35	0	34.52071295	3.07E-11	ROR2	ENSG00000169071
9	93780966	93781157	93781089	9	10	0	10.54799562	0.000613541		ENSG00000218751

9	93949259	93949880	93949577	197	232	1	111.7128627	1.05E-66		ENSG00000209034
9	93954140	93954473	93954305	18	22	3	5.513724985	6.69E-05		ENSG00000209034
9	94035788	94036033	94035862	8	9	1	4.794543465	0.00708517	IARS	ENSG00000196305
9	94115000	94115432	94115144	15	22	3	5.513724985	6.69E-05	NOL8	ENSG00000198000
9	94127458	94127668	94127608	8	11	8	1.278544924	0.28289	NOL8	ENSG00000198000
9	94472300	94472497	94472408	8	9	2	3.19636231	0.0229249	IPPK	ENSG00000127080
9	94602374	94602784	94602553	83	90	4	17.45213821	5.11E-22	ANKRD19	ENSG00000218940
9	94790070	94790981	94790509	105	164	4	31.64398687	1.27E-42	FGD3	ENSG00000127084
9	94893581	94893891	94893725	8	11	1	5.753452158	0.00215302	C9orf89	ENSG00000165233
9	94934708	94935106	94934907	46	56	1	27.32889775	6.55E-16	NINJ1	ENSG00000131669
9	94935182	94935590	94935440	9	16	1	8.150723891	0.000101217	NINJ1	ENSG00000131669
9	95115182	95115466	95115307	19	22	1	11.02744997	2.36E-06	WNK2	ENSG00000165238
9	95484381	95484632	95484512	12	14	5	2.397271733	0.0258078		ENSG00000211429
9	95799381	95799563	95799493	8	8	4	1.726035648	0.150596	PTPDC1	ENSG00000158079
9	96470847	96471220	96471145	10	16	3	4.075361945	0.00173346	C9orf118	ENSG00000204343
9	96585309	96585723	96585488	17	26	4	5.178106943	2.75E-05	C9orf3	ENSG00000148120
9	96999725	97000228	96999973	35	48	3	11.74663149	1.36E-11		ENSG00000209183
9	97567057	97567344	97567200	8	12	0	12.46581301	0.000159888		ENSG00000175611
9	97739225	97739611	97739433	21	27	1	13.4247217	9.80E-08		ENSG00000217452
9	97806589	97806769	97806643	8	8	2	2.876726079	0.0381137		ENSG00000204330
9	98068954	98069311	98069132	42	48	0	46.98652596	4.91E-15		ENSG00000207276
9	98082244	98082429	98082367	8	8	3	2.157544559	0.0836802	HSD17B3	ENSG00000130948
9	98222466	98222855	98222688	13	20	5	3.356180426	0.0017534	ZNF367	ENSG00000165244
9	98580154	98580424	98580293	15	18	4	3.643853034	0.00178791	ZNF510	ENSG00000081386
9	98970286	98970624	98970453	23	26	2	8.630178238	1.37E-06		ENSG00000209181
9	99289335	99289524	99289398	8	8	1	4.315089119	0.0127267	TMOD1	ENSG00000136842
9	99692170	99692397	99692288	8	10	2	3.515998541	0.0136204	C9orf156	ENSG00000136932
9	99724241	99724884	99724758	8	22	16	1.297347055	0.203559	C9orf156	ENSG00000136932
9	99725854	99726151	99725981	10	12	2	4.155271003	0.0046638	C9orf156	ENSG00000136932
9	99788719	99788915	99788796	9	9	7	1.198635866	0.346278	ANP32B	ENSG00000136938
9	100108627	100109074	100108799	15	22	3	5.513724985	6.69E-05	TBC1D2	ENSG00000095383
9	100202399	100202726	100202560	17	18	0	18.21926517	2.83E-06	TBC1D2	ENSG00000095383
9	100257465	100257740	100257611	20	22	0	22.05489994	1.92E-07		ENSG00000217589
9	100567382	100567860	100567615	14	25	0	24.93162602	2.56E-08	ANKS6	ENSG00000165138

9	100650817	100651017	100650893	9	9	1	4.794543465	0.00708517	GALNT12	ENSG00000119514
9	102177819	102178236	102177996	25	35	0	34.52071295	3.07E-11	TEX10	ENSG00000136891
9	102397750	102398049	102397899	9	11	0	11.50690432	0.000313206		ENSG00000200966
9	102802271	102802606	102802438	29	33	1	16.30144778	2.08E-09		ENSG00000217715
9	105967340	105967544	105967455	9	9	0	9.589086931	0.00120187	SMC2	ENSG00000136824
9	106058195	106058516	106058382	8	12	1	6.232906505	0.00117736		ENSG00000218103
9	107644175	107644433	107644305	10	11	2	3.835634772	0.00800699		ENSG00000218063
9	107666606	107666854	107666730	10	14	1	7.191815198	0.00034761		ENSG00000218063
9	107863056	107863249	107863198	10	11	2	3.835634772	0.00800699		ENSG00000218063
9	108135719	108135943	108135831	8	10	5	1.757999271	0.121253		ENSG00000200131
9	108384327	108384526	108384415	8	8	1	4.315089119	0.0127267		ENSG00000200131
9	108596313	108596615	108596443	10	13	2	4.474907234	0.00269459		ENSG00000212276
9	108933037	108933304	108933172	8	11	1	5.753452158	0.00215302		ENSG00000219668
9	108933772	108933985	108933878	8	9	0	9.589086931	0.00120187		ENSG00000219668
9	109045918	109046245	109046081	19	24	11	1.997726444	0.0196649	RAD23B	ENSG00000119318
9	109047721	109047961	109047841	11	12	4	2.493162602	0.0299057	RAD23B	ENSG00000119318
9	109051205	109051736	109051477	93	117	5	18.85853763	2.21E-28	RAD23B	ENSG00000119318
9	109143337	109143555	109143426	12	13	4	2.684944341	0.01921	RAD23B	ENSG00000119318
9	109240588	109241123	109241003	12	22	1	11.02744997	2.36E-06		ENSG00000213558
9	109283565	109283744	109283636	8	8	1	4.315089119	0.0127267		ENSG00000199905
9	109306641	109307485	109307040	13	38	11	3.116453252	8.15E-05	KLF4	ENSG00000136826
9	109540003	109540731	109540351	108	162	4	31.26042339	4.64E-42		ENSG00000208975
9	109557322	109557760	109557581	16	25	5	4.155271003	0.000149583		ENSG00000208975
9	110169873	110170080	110169979	10	10	0	10.54799562	0.000613541		ENSG00000222512
9	110291773	110292048	110291910	20	21	2	7.031997082	2.73E-05		ENSG00000222512
9	110369958	110370574	110370334	24	45	5	7.351633313	2.73E-09		ENSG00000169253
9	110405378	110405569	110405497	8	8	2	2.876726079	0.0381137		ENSG00000169253
9	110661909	110662175	110662042	19	19	2	6.39272462	8.83E-05	ACTL7A	ENSG00000187003
9	110814370	110814690	110814487	11	15	1	7.671269544	0.000187863	CTNNAL1	ENSG00000119326
9	111339519	111339741	111339591	8	9	0	9.589086931	0.00120187		ENSG00000213539
9	113399984	113400191	113400087	9	11	5	1.917817386	0.0843804	PTGR1	ENSG00000106853
9	113432987	113433331	113433163	10	13	6	1.917817386	0.0693353	C9orf29	ENSG00000204173
9	113493893	113494080	113493992	8	8	5	1.43836304	0.235762	DNAJC25	ENSG00000059769
9	113864273	113864532	113864403	14	17	1	8.630178238	5.44E-05		ENSG00000208841

9	113946584	113946780	113946682	8	8	0	8.630178238	0.00235436		ENSG00000208835
9	113946800	113947311	113947056	95	121	1	58.49343028	1.44E-34		ENSG00000208835
9	114101738	114101998	114101889	15	16	0	16.30144778	1.09E-05	ROD1	ENSG00000119314
9	114399651	114399910	114399780	14	15	1	7.671269544	0.000187863		ENSG00000218158
9	114446569	114446880	114446710	12	16	0	16.30144778	1.09E-05		ENSG00000218158
9	114638735	114638914	114638824	8	8	1	4.315089119	0.0127267	SLC46A2	ENSG00000119457
9	115142232	115142674	115142551	13	20	7	2.517135319	0.00849957	WDR31	ENSG00000148225
9	115382760	115383004	115382882	12	14	5	2.397271733	0.0258078	RGS3	ENSG00000138835
9	115460150	115460379	115460252	9	10	2	3.515998541	0.0136204	RGS3	ENSG00000138835
9	116078837	116079220	116078998	16	22	0	22.05489994	1.92E-07	ORM1	ENSG00000187681
9	116141361	116141582	116141476	11	11	0	11.50690432	0.000313206	ORM2	ENSG00000204154
9	116206663	116206953	116206791	9	13	3	3.356180426	0.00805599	AKNA	ENSG00000106948
9	116236959	116237167	116237093	8	10	4	2.109599125	0.0694668	DFNB31	ENSG00000095397
9	116414977	116415156	116415116	8	8	1	4.315089119	0.0127267	C9orf91	ENSG00000157693
9	116710060	116710951	116710662	165	290	17	15.5023572	2.17E-63	TNFSF8	ENSG00000106952
9	116710968	116711447	116711154	12	21	2	7.031997082	2.73E-05	TNFSF8	ENSG00000106952
9	117171094	117171315	117171204	9	9	1	4.794543465	0.00708517	1-Dec	ENSG00000173077
9	117746122	117746846	117746402	171	245	3	58.97288462	4.41E-67	C9orf27	ENSG00000204148
9	118489053	118489495	118489318	29	35	1	17.26035648	5.72E-10	ASTN2	ENSG00000148219
9	118587603	118588033	118587843	24	35	2	11.50690432	5.48E-09	TRIM32	ENSG00000119401
9	118658391	118658723	118658557	11	16	1	8.150723891	0.000101217	TRIM32	ENSG00000119401
9	118735374	118735674	118735524	11	12	1	6.232906505	0.00117736	TRIM32	ENSG00000119401
9	118900040	118900240	118900140	8	8	0	8.630178238	0.00235436	RPL10P3	ENSG00000216739
9	119268244	119268435	119268329	8	10	4	2.109599125	0.0694668	ASTN2	ENSG00000148219
9	119846855	119847277	119846978	17	24	0	23.97271733	5.01E-08		ENSG00000184353
9	121255536	121255832	121255683	13	14	1	7.191815198	0.00034761	DBC1	ENSG00000078725
9	122146406	122146649	122146525	12	13	1	6.712360851	0.000640982		ENSG00000208742
9	122510665	122510906	122510785	12	14	2	4.794543465	0.00154571	MEGF9	ENSG00000106780
9	122569729	122569967	122569871	10	12	1	6.232906505	0.00117736	FBXW2	ENSG00000119402
9	122645038	122645278	122645188	9	10	3	2.636998906	0.034203	PSMD5	ENSG00000095261
9	122738654	122738873	122738763	8	9	0	9.589086931	0.00120187	TRAF1	ENSG00000056558
9	122996980	122997260	122997106	15	16	3	4.075361945	0.00173346	RAB14	ENSG00000119396
9	123084039	123084448	123084205	11	18	4	3.643853034	0.00178791	GSN	ENSG00000148180
9	123089114	123089391	123089225	11	13	3	3.356180426	0.00805599	GSN	ENSG00000148180

9	123122231	123122477	123122354	12	14	2	4.794543465	0.00154571	GSN	ENSG00000148180
9	123124383	123125047	123124644	271	332	6	45.6166564	1.62E-87	GSN	ENSG00000148180
9	123175114	123175386	123175250	10	13	0	13.4247217	8.16E-05	STOM	ENSG00000148175
9	123300372	123300679	123300503	11	14	9	1.43836304	0.179537	GGTA1	ENSG00000204136
9	123321235	123321505	123321402	24	26	1	12.94526736	1.86E-07		ENSG00000213467
9	123774704	123774899	123774775	8	8	3	2.157544559	0.0836802	TTLL11	ENSG00000175764
9	123924609	123924838	123924706	16	17	6	2.465765211	0.014729	TTLL11	ENSG00000175764
9	123992737	123992988	123992862	10	12	0	12.46581301	0.000159888	MORN5	ENSG00000185681
9	124301463	124301906	124301642	14	24	0	23.97271733	5.01E-08	OR1J2	ENSG00000197233
9	124340057	124340268	124340200	9	11	0	11.50690432	0.000313206	OR1N1	ENSG00000171505
9	124353449	124353830	124353651	30	36	1	17.73981082	3.00E-10	OR1N2	ENSG00000171501
9	124604791	124604970	124604888	8	8	1	4.315089119	0.0127267	OR1K1	ENSG00000165204
9	124715296	124715526	124715411	9	9	2	3.19636231	0.0229249	ZBTB6	ENSG00000186130
9	124793527	124793715	124793621	8	8	0	8.630178238	0.00235436	RABGAP1	ENSG00000011454
9	126217514	126217811	126217655	12	15	6	2.191791298	0.0328001	PSMB7	ENSG00000136930
9	126238459	126238791	126238688	11	15	0	15.34253909	2.13E-05	GPR144	ENSG00000180264
9	126353887	126354225	126354057	11	16	2	5.433815927	0.000499302	NR5A1	ENSG00000136931
9	126404233	126404679	126404500	30	43	5	7.031997082	8.56E-09		ENSG00000217017
9	126406072	126406700	126406374	46	71	6	9.863060843	3.64E-15		ENSG00000223143
9	126513964	126514292	126514128	9	14	3	3.595907599	0.00486913		ENSG00000207737
9	126581392	126581629	126581510	11	14	0	14.3836304	4.17E-05	OLFML2A	ENSG00000185585
9	127099047	127099392	127099219	9	15	5	2.557089848	0.0169197	GAPVD1	ENSG00000165219
9	127312169	127312368	127312299	11	13	2	4.474907234	0.00269459		ENSG00000208649
9	127313975	127314189	127314082	8	10	3	2.636998906	0.034203		ENSG00000208649
9	127338227	127338520	127338399	10	14	5	2.397271733	0.0258078		ENSG00000222288
9	127340290	127340485	127340414	10	10	3	2.636998906	0.034203		ENSG00000222288
9	127360600	127360850	127360725	8	9	3	2.397271733	0.0539397		ENSG00000217525
9	128013594	128014078	128013773	28	36	0	35.47962164	1.57E-11	FAM125B	ENSG00000196814
9	128030985	128031372	128031159	8	13	6	1.917817386	0.0693353	FAM125B	ENSG00000196814
9	128445017	128445289	128445132	8	10	8	1.171999514	0.35773	LMX1B	ENSG00000136944
9	128524436	128524689	128524560	9	10	2	3.515998541	0.0136204	ZBTB43	ENSG00000169155
9	128584095	128584300	128584149	10	12	0	12.46581301	0.000159888	ZBTB43	ENSG00000169155
9	128604950	128605190	128605070	9	9	3	2.397271733	0.0539397	ZBTB43	ENSG00000169155
9	129097092	129097585	129097308	42	60	4	11.69868606	6.40E-14		ENSG00000220303

9	129113408	129113741	129113574	8	14	2	4.794543465	0.00154571		ENSG00000220303
9	129138817	129139354	129139102	23	38	2	12.46581301	8.46E-10		ENSG00000220303
9	129219296	129219563	129219430	17	19	0	19.17817386	1.44E-06	ZNF79	ENSG00000196152
9	129226226	129226961	129226653	40	72	11	5.833361216	4.08E-12	ZNF79	ENSG00000196152
9	129306142	129306490	129306318	16	20	4	4.027416511	0.000652226		ENSG00000200788
9	129363775	129364215	129364040	16	28	2	9.2694507	4.06E-07	FAM129B	ENSG00000136830
9	129376797	129376995	129376854	8	9	6	1.369869562	0.253675	FAM129B	ENSG00000136830
9	129386398	129386636	129386517	11	12	0	12.46581301	0.000159888	FAM129B	ENSG00000136830
9	129401238	129401481	129401340	9	10	5	1.757999271	0.121253	STXBP1	ENSG00000136854
9	129757571	129757803	129757687	9	11	2	3.835634772	0.00800699	FAM102A	ENSG00000167106
9	129770183	129770481	129770332	21	23	8	2.557089848	0.00494559	FAM102A	ENSG00000167106
9	129874390	129874775	129874638	8	13	0	13.4247217	8.16E-05	SLC25A25	ENSG00000148339
9	129919792	129920019	129919903	11	12	9	1.246581301	0.295061	PTGES2	ENSG00000148334
9	130124608	130124909	130124758	12	15	6	2.191791298	0.0328001	COQ4	ENSG00000167113
9	130131015	130131438	130131259	61	74	0	71.91815198	1.26E-22	COQ4	ENSG00000167113
9	130141964	130142296	130142130	11	16	6	2.328778255	0.0221113	SLC27A4	ENSG00000167114
9	130486690	130487020	130486848	8	13	2	4.474907234	0.00269459	SET	ENSG00000119335
9	130487181	130487361	130487245	8	9	2	3.19636231	0.0229249	SET	ENSG00000119335
9	130838835	130839074	130838954	8	9	1	4.794543465	0.00708517	FAM73B	ENSG00000148343
9	130933906	130934087	130934015	8	8	2	2.876726079	0.0381137	PPP2R4	ENSG00000119383
9	130976331	130976637	130976468	8	12	5	2.077635502	0.0577144		ENSG00000204055
9	131080574	131080894	131080748	13	16	10	1.481949798	0.147733	C9orf106	ENSG00000179082
9	131080937	131081208	131081072	8	11	2	3.835634772	0.00800699	C9orf106	ENSG00000179082
9	131122932	131123138	131123033	8	8	5	1.43836304	0.235762	C9orf106	ENSG00000179082
9	131136212	131136448	131136333	8	11	5	1.917817386	0.0843804	C9orf106	ENSG00000179082
9	131164404	131164615	131164509	12	13	2	4.474907234	0.00269459		ENSG00000223137
9	131290821	131291110	131290963	8	11	5	1.917817386	0.0843804		ENSG00000204054
9	131448768	131449231	131448996	10	19	4	3.835634772	0.00108365	ASB6	ENSG00000148331
9	131452728	131453004	131452858	8	9	3	2.397271733	0.0539397	ASB6	ENSG00000148331
9	131487862	131488041	131487951	8	8	0	8.630178238	0.00235436	PRRX2	ENSG00000167157
9	131826692	131826938	131826815	9	11	3	2.876726079	0.0213797	FNBP1	ENSG00000187239
9	131853955	131854211	131854083	16	17	4	3.452071295	0.00292757	GPR107	ENSG00000148358
9	132224953	132225337	132225176	8	14	0	14.3836304	4.17E-05	HMCN2	ENSG00000148357
9	132292385	132292593	132292451	8	8	0	8.630178238	0.00235436		ENSG00000175223

9	132317018	132317228	132317123	8	8	4	1.726035648	0.150596		ENSG00000208562
9	132547737	132548002	132547861	11	12	0	12.46581301	0.000159888	EXOSC2	ENSG00000130713
9	132731682	132731923	132731802	10	11	4	2.301380863	0.0459276	QRFP	ENSG00000188710
9	132751275	132751572	132751422	14	16	0	16.30144778	1.09E-05	QRFP	ENSG00000188710
9	132857657	132858057	132857878	30	39	9	3.835634772	8.88E-06	LAMC3	ENSG00000050555
9	132911889	132912152	132912039	8	9	1	4.794543465	0.00708517	LAMC3	ENSG00000050555
9	133043574	133043813	133043693	10	11	2	3.835634772	0.00800699		ENSG00000208557
9	133170280	133170575	133170428	12	14	5	2.397271733	0.0258078	PPAPDC3	ENSG00000160539
9	133261091	133261324	133261208	11	12	5	2.077635502	0.0577144	BAT2L	ENSG00000130723
9	133262410	133262638	133262553	8	9	1	4.794543465	0.00708517	BAT2L	ENSG00000130723
9	133456447	133456641	133456550	8	8	2	2.876726079	0.0381137	UCK1	ENSG00000130717
9	133483143	133483582	133483411	14	23	1	11.50690432	1.25E-06	UCK1	ENSG00000130717
9	133675864	133676125	133675987	9	12	2	4.155271003	0.0046638		ENSG00000212395
9	133997732	133997939	133997835	10	10	1	5.273997812	0.00391723	NTNG2	ENSG00000196358
9	134470599	134470778	134470681	8	10	0	10.54799562	0.000613541	BARHL1	ENSG00000125492
9	134470783	134471099	134470941	12	17	1	8.630178238	5.44E-05	BARHL1	ENSG00000125492
9	134767092	134767294	134767193	11	11	6	1.643843474	0.137712	C9orf9	ENSG00000165698
9	134858712	134859043	134858877	10	16	1	8.150723891	0.000101217	GFI1B	ENSG00000165702
9	134926401	134926712	134926556	12	15	0	15.34253909	2.13E-05	CEL	ENSG00000170835
9	134998860	134999231	134999059	32	37	3	9.109632584	1.09E-08	RALGDS	ENSG00000160271
9	135243456	135243676	135243590	8	10	2	3.515998541	0.0136204	C9orf96	ENSG00000198870
9	135258865	135259099	135258991	12	13	4	2.684944341	0.01921	REXO4	ENSG00000148300
9	135318098	135318326	135318264	10	12	3	3.116453252	0.0131971	C9orf7	ENSG00000160325
9	135729287	135729595	135729416	9	13	1	6.712360851	0.000640982	VAV2	ENSG00000160293
9	135735795	135737018	135736248	229	321	8	34.30762213	1.01E-81	VAV2	ENSG00000160293
9	135743219	135743611	135743392	27	35	2	11.50690432	5.48E-09	VAV2	ENSG00000160293
9	136927570	136927828	136927722	10	12	2	4.155271003	0.0046638	FCN2	ENSG00000160339
9	137055019	137055371	137055229	13	17	5	2.876726079	0.00703033	OLFM1	ENSG00000130558
9	137402418	137402744	137402569	24	28	1	13.90417605	5.17E-08	C9orf62	ENSG00000178243
9	137425303	137425601	137425452	15	19	4	3.835634772	0.00108365	C9orf62	ENSG00000178243
9	137676274	137676800	137676489	16	28	3	6.952088025	2.20E-06	GLT6D1	ENSG00000204007
9	137757325	137757555	137757443	14	15	0	15.34253909	2.13E-05	KCNT1	ENSG00000107147
9	137920501	137920720	137920610	10	11	0	11.50690432	0.000313206	CAMSAP1	ENSG00000130559
9	138140026	138140549	138140214	51	66	6	9.178126062	7.01E-14	NACC2	ENSG00000148411

9	138140878	138141784	138141499	78	117	7	14.14390322	1.99E-26	NACC2	ENSG00000148411
9	138202007	138202266	138202136	9	12	3	3.116453252	0.0131971	LHX3	ENSG00000107187
9	138564514	138565106	138564882	117	155	3	37.39743903	2.20E-41	NOTCH1	ENSG00000148400
9	138565544	138565906	138565774	13	17	3	4.315089119	0.00102271	NOTCH1	ENSG00000148400
9	138615980	138616286	138616133	14	17	2	5.753452158	0.000281509		ENSG00000203275
9	138636909	138637230	138637080	15	18	2	6.073088389	0.000157975		ENSG00000203275
9	138637291	138637689	138637493	20	28	5	4.63472535	3.19E-05		ENSG00000203275
9	138638266	138638504	138638385	9	10	0	10.54799562	0.000613541		ENSG00000203275
9	138739999	138740212	138740106	8	11	1	5.753452158	0.00215302		ENSG00000199437
9	138778950	138779285	138779117	13	17	0	17.26035648	5.54E-06		ENSG00000177984
9	138863339	138863952	138863777	80	105	3	25.41108037	2.82E-27	PHPT1	ENSG00000054148
9	139240305	139240568	139240450	14	18	3	4.554816292	0.000599415	C9orf169	ENSG00000197191
9	139240955	139241245	139241096	10	12	2	4.155271003	0.0046638		ENSG00000189110
9	139241894	139242088	139241991	8	8	3	2.157544559	0.0836802		ENSG00000189110
9	139898883	139899095	139899055	9	11	3	2.876726079	0.0213797	CACNA1B	ENSG00000148408
9	139902825	139903030	139902895	8	9	0	9.589086931	0.00120187		ENSG00000203987
MT	1	4498	284	415	3436	6662	0.494637427	1		ENSG00000223073
MT	4558	7326	6375	135	867	1605	0.518264474	1	MT-CO1	ENSG00000198804
MT	7343	16711	16143	755	8250	###	0.50327305	1		ENSG00000210196
X	3304251	3304491	3304371	28	28	0	27.8083521	3.40E-09		ENSG00000215325
X	4638604	4639136	4638845	90	117	0	113.1512258	3.49E-35		ENSG00000222834
X	6657650	6657883	6657742	19	20	1	10.06854128	8.32E-06	VCX3A	ENSG00000169059
X	7529475	7529790	7529632	18	20	1	10.06854128	8.32E-06	VCX	ENSG00000182583
X	7617897	7618181	7618031	11	12	1	6.232906505	0.00117736	VCX	ENSG00000182583
X	7625185	7625388	7625358	8	10	0	10.54799562	0.000613541	VCX	ENSG00000182583
X	7639307	7639558	7639458	8	9	2	3.19636231	0.0229249	VCX	ENSG00000182583
X	10689507	10689874	10689686	23	31	1	15.34253909	7.54E-09	MID1	ENSG00000101871
X	11422312	11422512	11422412	9	9	0	9.589086931	0.00120187	ARHGAP6	ENSG00000047648
X	15603546	15603743	15603644	8	8	1	4.315089119	0.0127267	CA5BL	ENSG00000186312
X	16590455	16590735	16590595	8	11	6	1.643843474	0.137712	S100G	ENSG00000169906
X	16820951	16821171	16821061	9	10	4	2.109599125	0.0694668		ENSG00000218928
X	17475793	17476165	17475940	27	33	5	5.433815927	2.23E-06		ENSG00000221408
X	17635811	17636182	17635982	12	19	5	3.19636231	0.00280933		ENSG00000217991
X	18721723	18722143	18721917	59	68	0	66.16469982	7.10E-21		ENSG00000203503

X	19513790	19513983	19513913	8	9	1	4.794543465	0.00708517	SH3KBP1	ENSG00000147010
X	19835892	19836214	19836063	14	16	1	8.150723891	0.000101217	SH3KBP1	ENSG00000147010
X	22063089	22063590	22063426	8	16	10	1.481949798	0.147733	PHEX	ENSG00000102174
X	23825623	23825853	23825738	9	9	0	9.589086931	0.00120187	APOO	ENSG00000184831
X	23829191	23829486	23829338	8	13	0	13.4247217	8.16E-05	APOO	ENSG00000184831
X	26301951	26302408	26302108	15	21	0	21.09599125	3.76E-07		ENSG00000216472
X	30719509	30720063	30719863	30	45	2	14.70326663	1.04E-11	MAP3K7IP3	ENSG00000157625
X	30720346	30720840	30720517	16	29	0	28.76726079	1.74E-09	MAP3K7IP3	ENSG00000157625
X	30721460	30722006	30721755	15	29	0	28.76726079	1.74E-09	MAP3K7IP3	ENSG00000157625
X	30722589	30722991	30722756	16	24	0	23.97271733	5.01E-08	MAP3K7IP3	ENSG00000157625
X	30724003	30724619	30724213	19	36	2	11.82654055	2.94E-09	MAP3K7IP3	ENSG00000157625
X	30725530	30725738	30725646	10	12	0	12.46581301	0.000159888	MAP3K7IP3	ENSG00000157625
X	30726558	30727405	30726997	59	95	1	46.02761727	4.44E-27	MAP3K7IP3	ENSG00000157625
X	30727436	30727961	30727693	22	37	0	36.43853034	8.01E-12	MAP3K7IP3	ENSG00000157625
X	30728559	30729629	30729128	32	71	1	34.52071295	3.42E-20	MAP3K7IP3	ENSG00000157625
X	30832665	30833021	30832843	22	27	2	8.949814469	7.46E-07	MAP3K7IP3	ENSG00000157625
X	33088344	33088686	33088516	20	24	0	23.97271733	5.01E-08	DMD	ENSG00000198947
X	33884425	33884724	33884570	14	15	2	5.114179696	0.00088103	FAM47A	ENSG00000185448
X	34487440	34487808	34487602	36	42	0	41.2330738	2.78E-13		ENSG00000222668
X	38437299	38437493	38437396	8	9	0	9.589086931	0.00120187	MID1IP1	ENSG00000165175
X	40937071	40937447	40937271	17	22	4	4.410979988	0.000231863		ENSG00000199564
X	41704289	41704573	41704431	8	12	1	6.232906505	0.00117736	CASK	ENSG00000147044
X	42664879	42665120	42665011	10	11	0	11.50690432	0.000313206		ENSG00000102055
X	42720923	42721187	42721050	14	16	0	16.30144778	1.09E-05		ENSG00000102055
X	42920917	42921221	42921077	18	22	0	22.05489994	1.92E-07		ENSG00000220898
X	44419635	44419926	44419793	9	13	1	6.712360851	0.000640982		ENSG00000214017
X	44587690	44587889	44587789	8	8	0	8.630178238	0.00235436	DUSP21	ENSG00000189037
X	44657900	44658151	44658036	12	14	0	14.3836304	4.17E-05	UTX	ENSG00000147050
X	44719877	44720205	44720018	18	22	0	22.05489994	1.92E-07		ENSG00000203505
X	46703154	46703471	46703310	17	20	0	20.13708255	7.37E-07	PHF16	ENSG00000102221
X	47560214	47560644	47560421	34	43	0	42.19198249	1.42E-13	WASF4	ENSG00000188459
X	47563288	47563722	47563475	31	45	0	44.10979988	3.69E-14	ZNF81	ENSG00000197779
X	53427178	53427528	53427357	13	18	2	6.073088389	0.000157975	SMC1A	ENSG00000072501
X	58529268	58529447	58529418	9	9	3	2.397271733	0.0539397		

X	58568486	58568666	58568576	12	12	10	1.133255728	0.37674	
X	58577955	58578314	58578135	37	44	34	1.232882605	0.173963	
X	61651997	61652176	61652147	8	8	6	1.232882605	0.333038	ENSG00000216395
X	61676849	61677184	61677016	57	57	39	1.390417605	0.0520985	ENSG00000216395
X	61685056	61685384	61685220	11	11	10	1.046082211	0.455063	ENSG00000216395
X	61755869	61756200	61756034	51	51	42	1.159610513	0.234409	ENSG00000216395
X	61764095	61764414	61764254	10	10	5	1.757999271	0.121253	ENSG00000216395
X	61813999	61814327	61814163	14	14	6	2.054804342	0.0480281	ENSG00000216395
X	62540905	62541277	62541123	17	22	1	11.02744997	2.36E-06	SPIN4 ENSG00000186767
X	65774896	65775660	65775271	70	117	2	37.71707526	6.07E-32	EDA2R ENSG00000131080
X	68252690	68253024	68252854	14	16	0	16.30144778	1.09E-05	PJA1 ENSG00000181191
X	69247747	69248076	69247911	15	21	0	21.09599125	3.76E-07	ENSG00000219613
X	70669397	70669634	70669505	8	9	1	4.794543465	0.00708517	OGT ENSG00000147162
X	71263263	71263507	71263404	13	15	0	15.34253909	2.13E-05	NHSL2 ENSG00000204131
X	72508316	72508576	72508446	11	11	0	11.50690432	0.000313206	ENSG00000207486
X	82035192	82035371	82035300	8	8	0	8.630178238	0.00235436	ENSG00000217962
X	83876714	83876980	83876847	19	19	0	19.17817386	1.44E-06	ENSG00000219196
X	84451620	84451932	84451764	38	39	0	38.35634772	2.09E-12	ENSG00000209072
X	86407169	86407569	86407400	21	31	0	30.68507818	4.52E-10	ENSG00000200422
X	93502495	93502906	93502727	19	27	1	13.4247217	9.80E-08	ENSG00000209165
X	93542162	93542579	93542362	56	69	1	33.56180426	1.28E-19	ENSG00000209165
X	94433287	94433502	94433394	12	12	0	12.46581301	0.000159888	ENSG00000212098
X	95322994	95323323	95323159	10	15	0	15.34253909	2.13E-05	ENSG00000218262
X	96367784	96368086	96367923	9	11	0	11.50690432	0.000313206	ENSG00000222977
X	96470624	96470830	96470727	9	9	3	2.397271733	0.0539397	ENSG00000222977
X	97506880	97507185	97507032	8	11	1	5.753452158	0.00215302	ENSG00000217946
X	99521013	99521216	99521165	9	9	5	1.598181155	0.170911	PCDH19 ENSG00000165194
X	99756645	99757199	99756956	48	72	5	11.66672243	3.07E-16	TSPAN6 ENSG00000000003
X	99961867	99962065	99961993	8	9	2	3.19636231	0.0229249	CSTF2 ENSG00000101811
X	100039461	100039675	100039568	8	8	0	8.630178238	0.00235436	ENSG00000220945
X	102583514	102583727	102583620	9	10	0	10.54799562	0.000613541	RAB40A ENSG00000172476
X	102829487	102829738	102829605	8	8	5	1.43836304	0.235762	MORF4L2 ENSG00000123562
X	103402331	103402539	103402441	9	10	1	5.273997812	0.00391723	ESX1 ENSG00000123576
X	104148948	104149321	104149127	24	31	0	30.68507818	4.52E-10	TEX13A ENSG00000133149

X	105263444	105263655	105263564	9	9	0	9.589086931	0.00120187	MUM1L1	ENSG00000157502
X	105823359	105823566	105823462	8	9	1	4.794543465	0.00708517	RNF128	ENSG00000133135
X	106490854	106491125	106491008	8	11	1	5.753452158	0.00215302		ENSG00000215007
X	106856727	106856944	106856835	8	8	1	4.315089119	0.0127267	TSC22D3	ENSG00000157514
X	107130659	107131251	107130955	26	41	0	40.27416511	5.44E-13	TEX13B	ENSG00000170925
X	107131299	107131559	107131442	11	12	3	3.116453252	0.0131971	TEX13B	ENSG00000170925
X	107252600	107253156	107252895	43	65	1	31.64398687	1.78E-18	ATG4A	ENSG00000101844
X	107400144	107400489	107400316	40	46	1	22.53435429	4.53E-13		ENSG00000189372
X	107442901	107443234	107443067	35	39	1	19.17817386	4.29E-11		ENSG00000189372
X	107465519	107465763	107465685	10	11	1	5.753452158	0.00215302		ENSG00000189372
X	107529450	107529654	107529552	10	11	2	3.835634772	0.00800699		ENSG00000189372
X	107646202	107646483	107646342	12	15	0	15.34253909	2.13E-05	COL4A5	ENSG00000188153
X	108183914	108184640	108184090	28	61	44	1.321163088	0.0752939		ENSG00000208893
X	108893514	108894086	108893891	21	38	1	18.69871951	8.21E-11	ACSL4	ENSG00000068366
X	111443358	111443537	111443512	9	9	4	1.917817386	0.103282		ENSG00000213534
X	112871330	112871584	112871469	8	10	4	2.109599125	0.0694668		ENSG00000201674
X	113200880	113201193	113201036	16	20	0	20.13708255	7.37E-07		ENSG00000212611
X	113401256	113401517	113401386	11	12	0	12.46581301	0.000159888		ENSG00000219648
X	114734955	114735278	114735123	8	10	0	10.54799562	0.000613541	PLS3	ENSG00000102024
X	115768010	115768547	115768206	56	77	1	37.39743903	6.55E-22		ENSG00000217238
X	116736153	116736447	116736295	13	14	0	14.3836304	4.17E-05		ENSG00000200291
X	118085091	118085336	118085213	10	10	1	5.273997812	0.00391723	KIAA1210	ENSG00000175553
X	118199559	118199787	118199673	8	9	0	9.589086931	0.00120187		ENSG00000217500
X	118477746	118478024	118477900	23	25	2	8.310542006	2.50E-06	SLC25A5	ENSG00000005022
X	118961617	118961924	118961779	8	10	4	2.109599125	0.0694668	NKAP	ENSG00000101882
X	119263066	119263316	119263218	10	12	1	6.232906505	0.00117736	ZBTB33	ENSG00000177485
X	119578734	119579039	119578879	8	12	4	2.493162602	0.0299057	CUL4B	ENSG00000158290
X	119621638	119621840	119621762	8	10	3	2.636998906	0.034203	MCTS1	ENSG00000101898
X	119975026	119975369	119975190	12	15	1	7.671269544	0.000187863		ENSG00000215359
X	119975603	119975791	119975655	8	10	2	3.515998541	0.0136204		ENSG00000215359
X	120785021	120785240	120785161	9	10	0	10.54799562	0.000613541		ENSG00000213498
X	121200381	121200657	121200519	15	15	1	7.671269544	0.000187863		ENSG00000219462
X	122302506	122302714	122302609	8	9	3	2.397271733	0.0539397	GRIA3	ENSG00000125675
X	122393948	122394185	122394052	12	12	1	6.232906505	0.00117736		ENSG00000179101

X	122411857	122412040	122412006	9	10	3	2.636998906	0.034203		ENSG00000179101
X	122764988	122765243	122765115	9	10	9	1.054799562	0.4492		ENSG00000213737
X	122924665	122924872	122924768	8	10	4	2.109599125	0.0694668	STAG2	ENSG00000101972
X	123738122	123738373	123738256	10	12	0	12.46581301	0.000159888		ENSG00000217069
X	128449922	128450296	128450126	9	14	1	7.191815198	0.00034761	SMARCA1	ENSG00000102038
X	128468386	128468710	128468548	23	28	0	27.8083521	3.40E-09	SMARCA1	ENSG00000102038
X	128567244	128567459	128567377	8	10	2	3.515998541	0.0136204	APLN	ENSG00000171388
X	128933830	128934044	128933917	8	10	1	5.273997812	0.00391723	BCORL1	ENSG00000085185
X	129127726	129128017	129127818	12	16	3	4.075361945	0.00173346	AIFM1	ENSG00000156709
X	130569552	130569929	130569758	22	29	1	14.3836304	2.72E-08		ENSG00000219221
X	130792468	130792654	130792561	8	8	2	2.876726079	0.0381137		ENSG00000220528
X	130807047	130807290	130807164	9	9	3	2.397271733	0.0539397		ENSG00000220528
X	131150034	131150370	131150195	17	18	0	18.21926517	2.83E-06	RAP2C	ENSG00000123728
X	131291869	131292079	131291937	9	9	0	9.589086931	0.00120187	MBNL3	ENSG00000076770
X	131593397	131593616	131593497	9	10	0	10.54799562	0.000613541		ENSG00000206900
X	131839879	131840290	131840094	65	82	0	79.58942152	5.79E-25		ENSG00000218958
X	132238671	132238856	132238776	8	9	1	4.794543465	0.00708517		ENSG00000202199
X	132405968	132406251	132406102	11	11	1	5.753452158	0.00215302	GPC4	ENSG00000076716
X	132748108	132748455	132748281	30	34	0	33.56180426	6.02E-11		ENSG00000219153
X	134385141	134385467	134385314	10	13	0	13.4247217	8.16E-05	NCRNA000	ENSG00000178947
X	134482172	134482392	134482286	8	8	2	2.876726079	0.0381137	DDX26B	ENSG00000165359
X	135782042	135782248	135782182	8	9	4	1.917817386	0.103282		ENSG00000206979
X	136211829	136212190	136212038	10	15	0	15.34253909	2.13E-05		ENSG00000217721
X	136347919	136348303	136348095	53	59	39	1.43836304	0.0353964		ENSG00000134598
X	136443828	136444007	136443934	8	8	0	8.630178238	0.00235436	ZIC3	ENSG00000156925
X	136994876	136995273	136995077	25	35	1	17.26035648	5.72E-10		ENSG00000208536
X	137680574	137680825	137680699	11	11	1	5.753452158	0.00215302	FGF13	ENSG00000129682
X	138590217	138590545	138590371	18	23	2	7.671269544	8.30E-06	MCF2	ENSG00000101977
X	139871292	139871580	139871435	10	12	4	2.493162602	0.0299057		ENSG00000221081
X	139907359	139907694	139907525	11	13	0	13.4247217	8.16E-05	SPANXF1	ENSG00000198820
X	140168913	140169199	140169064	12	13	0	13.4247217	8.16E-05	SPANXC	ENSG00000198573
X	141166040	141166240	141166140	8	8	1	4.315089119	0.0127267	MAGEC2	ENSG00000046774
X	148400654	148400912	148400799	9	11	2	3.835634772	0.00800699	IDS	ENSG00000010404
X	148996321	148996666	148996493	12	18	0	18.21926517	2.83E-06		ENSG00000183171

X	149613520	149613750	149613613	8	11	4	2.301380863	0.0459276	MTMR1	ENSG00000063601
X	150462851	150463409	150463030	68	83	0	80.54833022	2.96E-25	PASD1	ENSG00000166049
X	150895233	150895486	150895328	9	12	0	12.46581301	0.000159888	GABRE	ENSG00000102287
X	151815000	151815200	151815100	8	9	1	4.794543465	0.00708517	ZNF185	ENSG00000147394
X	152318911	152319090	152319000	8	8	0	8.630178238	0.00235436		ENSG00000214897
X	152359901	152360361	152360159	57	77	4	14.95897561	1.77E-18	TREX2	ENSG00000183479
X	152697435	152697719	152697577	12	14	1	7.191815198	0.00034761	SRPK3	ENSG00000184343
X	153255092	153255439	153255265	11	17	4	3.452071295	0.00292757	FLNA	ENSG00000196924
X	153279677	153279907	153279797	10	11	6	1.643843474	0.137712	RPL10	ENSG00000147403
X	153408107	153408909	153408611	27	64	8	6.925451672	5.29E-12	FAM3A	ENSG00000071889
X	153722327	153722533	153722487	8	8	2	2.876726079	0.0381137		ENSG00000203870
X	153907973	153908170	153908071	9	9	2	3.19636231	0.0229249	FUNDC2	ENSG00000165775
X	154703082	154703436	154703257	19	24	1	11.98635866	6.63E-07		ENSG00000219128
X	154831946	154832319	154832110	8	14	1	7.191815198	0.00034761		ENSG00000220501
X	154851031	154851516	154851122	16	26	1	12.94526736	1.86E-07		ENSG00000220501
Y	10629112	10629718	10629392	53	81	56	1.379482681	0.0296081		ENSG00000219584
Y	10629906	10630111	10629944	17	17	11	1.43836304	0.15834		ENSG00000219584
Y	10630483	10630820	10630651	32	36	24	1.419184866	0.0845096		ENSG00000219584
Y	10631122	10631450	10631286	9	12	11	1.038817751	0.460341		ENSG00000218597
Y	10632296	10632638	10632464	40	42	33	1.212737465	0.197889		ENSG00000218597
Y	10632749	10633542	10633366	31	54	29	1.757999271	0.00531833		ENSG00000218597
Y	10633954	10634282	10634111	10	13	15	0.839045106	0.685928		ENSG00000218597
Y	10634759	10634940	10634790	8	8	6	1.232882605	0.333038		ENSG00000218597
Y	10635026	10635409	10635233	28	36	31	1.108738176	0.332755		ENSG00000218597
Y	10636500	10636907	10636728	16	25	15	1.558226626	0.0760878		ENSG00000218597
Y	10636955	10637136	10636986	10	10	5	1.757999271	0.121253		ENSG00000218597
Y	10637390	10637716	10637553	18	18	21	0.828148417	0.728078		ENSG00000218597
Y	10639371	10639833	10639655	54	74	55	1.284252714	0.0764813		ENSG00000218597
Y	10641232	10641607	10641428	23	31	16	1.805004599	0.0209486		ENSG00000218597
Y	10641700	10642155	10641986	19	27	15	1.678090213	0.0444653		ENSG00000221022
Y	10643360	10643565	10643536	26	26	17	1.43836304	0.111326		ENSG00000221022
Y	10644886	10645634	10645076	32	56	50	1.07172148	0.358565		ENSG00000223068
Y	10645749	10646295	10646116	27	44	37	1.135549768	0.280189		ENSG00000219313
Y	10646402	10646726	10646564	11	14	8	1.598181155	0.124586		ENSG00000219313

Y	10647619	10648029	10647853	59	71	53	1.278544924	0.0842368	ENSG00000222088
Y	11243325	11243655	11243490	25	25	9	2.493162602	0.00432225	
Y	11247680	11248012	11247846	22	23	23	0.958908693	0.557483	
Y	11913427	11913782	11913603	15	19	14	1.278544924	0.231514	ENSG00000206163
Y	11918271	11918611	11918441	24	24	16	1.410159843	0.132195	ENSG00000206163
Y	11919519	11919847	11919683	10	10	9	1.054799562	0.4492	ENSG00000206163
Y	11920187	11920505	11920346	11	12	7	1.558226626	0.152813	ENSG00000206163
Y	11920729	11921393	11920907	30	67	47	1.358453982	0.0501337	ENSG00000206163
Y	11924459	11924771	11924615	13	17	15	1.07877228	0.410615	ENSG00000206161
Y	11924972	11925413	11925141	9	17	14	1.150690432	0.340986	ENSG00000206161
Y	11926373	11926999	11926829	13	23	7	2.876726079	0.00239423	ENSG00000206161
Y	11927335	11927633	11927484	11	15	9	1.534253909	0.136498	ENSG00000206161
Y	11927684	11928277	11927863	16	35	42	0.802807278	0.835974	ENSG00000206161
Y	11928320	11928549	11928460	10	12	9	1.246581301	0.295061	ENSG00000206161
Y	11936421	11936743	11936582	9	12	13	0.890415215	0.619237	ENSG00000217642
Y	11941476	11941715	11941556	11	13	26	0.497211915	0.986172	ENSG00000217642
Y	11941766	11942490	11941945	14	39	40	0.935520676	0.61788	ENSG00000217642
Y	11944343	11944925	11944747	35	52	26	1.882302249	0.00285253	ENSG00000217642
Y	11945263	11945613	11945438	44	47	48	0.939339128	0.620982	ENSG00000217642
Y	11948727	11948922	11948884	11	12	7	1.558226626	0.152813	ENSG00000217642
Y	11949779	11950098	11949956	14	18	13	1.301376083	0.22245	ENSG00000217642
Y	12110661	12110990	12110825	12	12	13	0.890415215	0.619237	ENSG00000183704
Y	12128531	12128860	12128695	19	19	14	1.278544924	0.231514	ENSG00000183704
Y	12142787	12143116	12142951	9	9	5	1.598181155	0.170911	ENSG00000183704
Y	12312123	12312452	12312287	15	17	14	1.150690432	0.340986	ENSG00000220799
Y	12314550	12315022	12314847	20	25	14	1.662108401	0.053254	ENSG00000220799
Y	12319954	12320436	12320259	14	20	23	0.839045106	0.722898	ENSG00000220799
Y	12323478	12323862	12323706	17	25	25	0.958908693	0.559837	ENSG00000220799
Y	12327789	12328118	12327953	14	14	13	1.027402171	0.469541	ENSG00000220799
Y	12334101	12334430	12334265	12	14	23	0.599317933	0.944443	ENSG00000220799
Y	12341551	12341877	12341714	8	8	7	1.07877228	0.435076	ENSG00000220799
Y	12361513	12361839	12361676	10	10	18	0.555157664	0.945639	ENSG00000220799
Y	12372445	12372776	12372610	26	27	23	1.118726809	0.34127	ENSG00000220799
Y	12372957	12373297	12373127	33	33	34	0.931511302	0.615909	ENSG00000220799

Y	27209320	27209649	27209484	11	12	9	1.246581301	0.295061	ENSG00000219871
Y	57381663	57381994	57381828	38	38	31	1.16866997	0.254509	ENSG00000217042
Y	57384491	57384700	57384575	9	10	10	0.958908693	0.538751	ENSG00000217042
Y	57386591	57386817	57386704	8	10	10	0.958908693	0.538751	ENSG00000217042
Y	57394832	57395198	57395026	14	18	15	1.138704073	0.348127	ENSG00000217042
Y	57406449	57406632	57406487	10	10	8	1.171999514	0.35773	ENSG00000217042
Y	57411169	57411469	57411326	10	14	8	1.598181155	0.124586	ENSG00000217042
Y	57426501	57426764	57426636	9	10	5	1.757999271	0.121253	ENSG00000217042
c6_Q	31429265	31429665	31429489	35	40	1	19.65762821	2.24E-11	ENSG00000219118
c6_Q	31437987	31438180	31438144	26	26	0	25.89053471	1.31E-08	ENSG00000206450