

Family 1

Table with 6 columns: Group, Ran, Gene, Probe, Fold Change, P-Value. Rows include genes like 2891 OLFRL1449, 17821 RFRG, 12638 GFRP1, etc.

Family 2

Table with 6 columns: Group, Ran, Gene, Probe, Fold Change, P-Value. Rows include genes like 1164 NFE2L2, 11313 FT2R1D1, 638 SORBS1, etc.

Family 3

Table with 6 columns: Group, Ran, Gene, Probe, Fold Change, P-Value. Rows include genes like 763 ANGF1, 681 AQ7, 10887 F73004TE0, etc.

Family 4

Table with 6 columns: Group, Ran, Gene, Probe, Fold Change, P-Value. Rows include genes like 1999 NUP133, 705 CYBE5D12, 1961 OLFHR54, etc.

Family 5

Table with 6 columns: Group, Ran, Gene, Probe, Fold Change, P-Value. Rows include genes like 746 UGT1A2, 10722 VCAN, 11028L PDRG1, etc.

Family 6

Table with 6 columns: Group, Ran, Gene, Probe, Fold Change, P-Value. Rows include genes like 630 SNX15, 1596 CLCNKA, 611 NGLY1, etc.

19112	TRPV2	1690382	1.07	2.21E-04
8967	P2RK5	6330451	0.95	2.27E-04
13626	1700019G1	4290341	0.96	2.34E-04
6194	RICS3	270541	0.89	2.38E-04
19738	D4WSU53E	2030441	1.05	2.38E-04
6233	PCDHGB2	6804349	1.08	2.38E-04
3010	CRNA1	4256989	1.14	2.40E-04
662	GABRA1	2054584	1.05	2.47E-04
19918	AD80010K2	7320386	1.05	2.47E-04
15999	RAB8A	3440041	1.07	2.47E-04
12544	EG336062	6370142	1.04	2.49E-04
16733	HPD	2360528	1.05	2.56E-04
675	EBF1	3990170	1.07	2.65E-04
10921	ATPA1A	5296306	1.19	2.65E-04
20476	EXOSC5	5690408	0.92	2.69E-04
10645	H5T1H2BA	3940441	0.95	2.74E-04
23233	RAF1	770327	0.94	2.84E-04
420	CALR3	2000722	1.05	3.03E-04
18098	DGKQ	1710474	1.06	3.08E-04
1924	AEBP2	610020	1.05	3.17E-04
1376	LIP1	3840066	1.08	3.19E-04
25220	CIRBP	6980576	0.87	3.32E-04
9673	NRGN	4570189	1.25	3.34E-04
6866	VANGL2	5310195	0.96	3.44E-04
108	LOC10044	2650433	0.96	3.48E-04
12235	PCDHGB6	7320041	1.04	3.54E-04
15412	ACSS3	2370307	1.04	3.58E-04
21	ZC3H18	7380382	1.11	3.61E-04
8045	ANKK2	1050709	0.93	3.76E-04
20023	COMMD5	5020716	0.93	3.78E-04
1576	AS30032D1	1410600	0.96	3.82E-04
6657	DMKN	50521	0.90	3.84E-04
31	IERL8	4900053	0.84	3.95E-04
6823	BZW2	4480546	0.94	4.00E-04
9422	PCDH17	6270411	0.90	4.02E-04
6057	RAGB	2760465	0.91	4.08E-04
51	2410018G2	6280408	0.94	4.18E-04
943	GSK3A	1710630	1.08	4.20E-04
10182	INSIG1	4920369	0.89	4.22E-04
22598	SUPT5H	7400546	1.17	4.28E-04
3172	PRSS29	2470762	0.95	4.29E-04
2109	SEXPINB3B	1902066	0.95	4.30E-04
1066	FYFNB	6550309	0.84	4.36E-04
7216	MYOCD	4830711	1.04	4.38E-04
3121	TM2D2	1240279	0.89	4.44E-04
566	SUMF2	2470279	0.92	4.56E-04
5062	DEX1	2470044	0.91	4.58E-04
4069	ABC2F	1500110	1.10	4.73E-04
19258	SCAR2B	3310564	1.10	4.75E-04
1764	TKE	2360519	1.10	4.78E-04
1200	OLFR313	3940376	0.95	4.85E-04
21245	LXRCOR1	4780041	0.94	4.86E-04
1059	GLIS3	6400825	0.96	4.90E-04
15265	LOC56723	1660014	0.96	4.90E-04
22770	LOC1700166G	5220307	0.95	4.98E-04
7817	COPE	6040433	0.91	4.99E-04
15887	TXK	7150561	1.04	0.001
18952	RAB8A	1240324	0.93	0.001
20105	MPS25	7050128	0.88	0.001
16703	SFRS4	5910424	1.12	0.001
22972	OLFR335	5260224	1.05	0.001
9503	ZEB2	2850703	1.17	0.001
1804	GM1008	630397	1.05	0.001
15193	ZFP58	5670471	0.95	0.001
12303	LOC100044	5310408	1.04	0.001
24592	TTL1	7100180	0.94	0.001
9499	GM1070	5310296	1.06	0.001
3795	LMBR1	2360484	1.07	0.001
23043	MGC10709	6960474	1.04	0.001
1899	ITGA2B	6520221	1.07	0.001
13742	CORO1B	3840092	0.89	0.001
10614	LOC100045	50576	0.97	0.001
5008	ANKZF1	2340750	1.05	0.001
4422	Z03038M	5906069	1.05	0.001
7277	WKB6	4880382	1.05	0.001
413	4B93054O4	1230008	0.95	0.001
21272	DDX47	6480862	0.92	0.001
23207	PNPLA6	6250414	1.07	0.001
16491	PDE1A	1820341	1.16	0.001
4934	TMD4	3840367	0.95	0.001
219	IL7R	1780079	0.95	0.001
11976	NROB2	5420398	0.95	0.001
12289	EGFLAM	1340670	1.04	0.001
6206	ISGZ0L1	4290554	0.95	0.001
203	PNPLP1	1990440	1.08	0.001
440	APFX1	6250138	0.95	0.001
464	RAB12	5550482	1.04	0.001
3876	BICD2	5810181	1.06	0.001
21966	CAMA4	6280092	0.94	0.001

9881	CNTN3	4010463	0.93	1.33E-04	
6558	CO30046E1	10504	0.94	1.36E-04	
6200	SON	3290132	1.08	1.36E-04	
6132	Z120136C1	7050328	1.07	1.39E-04	
22276	RTNA	6520138	0.92	1.39E-04	
5871	ASB3	2370577	0.94	1.40E-04	
4049	SCDC5B	4670497	0.88	1.44E-04	
330	KCNT1	460121	1.07	1.46E-04	
16301	CASP9	840411	0.95	1.47E-04	
16252	AP0D1	6770403	0.87	1.52E-04	
1282	C7SF	5910452	1.08	1.57E-04	
1060	SLC24A5	6130242	0.91	1.61E-04	
8112	ING3	2360138	0.92	1.63E-04	
815	NPNT	1940543	0.95	1.65E-04	
6285	H2-K1	6280026	0.96	1.66E-04	
10940	NSP8P18	2490279	0.85	1.69E-04	
6615	OLFR519	6960546	1.07	1.74E-04	
7067	PCDH7	1250403	1.04	1.81E-04	
22540	GRW211	2140403	1.08	1.87E-04	
1424	RALBP1	2650370	0.89	1.90E-04	
25011	RGS5	3170053	1.09	1.90E-04	
6728	HIST1H2BB	1410195	1.06	2.01E-04	
432	PFP208	2120112	0.94	2.01E-04	
426	DTX4	1310102	0.92	2.06E-04	
8049	KATNAL1	6350437	0.93	2.09E-04	
5062	DEX1	2470044	0.94	2.10E-04	
7374	AMPPD3	540446	1.06	2.14E-04	
9207	SPSB1	5700066	0.92	2.17E-04	
5303	HILT	4610326	0.94	2.17E-04	
7917	MTMR11	2970609	1.08	2.32E-04	
752	NALCF2	5290255	0.95	2.38E-04	
2187	CEBPA	7380400	0.96	2.40E-04	
6837	OLFR458	6200132	1.05	2.46E-04	
3601	BC03190L	1440397	0.95	2.51E-04	
41	KXRB	770133	1.09	2.51E-04	
6494	YX2D1	1110064	0.93	2.53E-04	
2825	D1ST	2480482	0.88	2.53E-04	
21523	ADCY1	7560367	0.85	2.57E-04	
25495	Z1F301	1070070	0.89	2.59E-04	
21305	GTCC	10300038	0.79	2.60E-04	
4810	ADBR2	4804074	1.06	2.71E-04	
613	MAS1L	2970004	1.04	2.74E-04	
12182	TMSF17	7610477	0.97	2.74E-04	
16147	AKT3	50603	0.93	2.77E-04	
7226	TM6D2	5730502D1	4210541	0.93	2.82E-04
10508	COXANB	3440280	1.08	2.85E-04	
5062	ETS1	5340630	1.06	2.85E-04	
10518	ZFP622	6580437	0.96	2.86E-04	
3098	MOSP01	990349	1.07	2.91E-04	
8815	ARHGAP1	160528	0.89	2.91E-04	
2840	TMCA	1660450	1.05	2.93E-04	
16292	RNF125	4210463	0.95	3.05E-04	
15080	TRAF7	990295	0.96	3.05E-04	
5280	SERPINH1	4850221	0.91	3.56E-04	
21109	PNP5B	5220373	1.05	3.62E-04	
8044	UCP2	5260730	1.07	3.68E-04	
17068	261020H0	4760095	1.07	3.77E-04	
1830	ZFP454	2710397	1.06	3.97E-04	
3201	SLC15A2	4120750	1.07	3.99E-04	
13391	SERPINC1C	7510296	0.93	4.07E-04	
13405	WCV15	2070730	1.06	4.34E-04	
3098	MOSPD1	990349	0.91	4.44E-04	
651	MSTO1	4860402	1.10	4.78E-04	
1006	PYD6	6530309	0.82	4.99E-04	
22018	BC02505G	6450474	1.05	6.82E-04	
974	NS2NB	2650054	0.93	6.90E-04	
23758	KNTC1	1410070	1.07	6.94E-04	
9910	A700008L0	150059	1.08	7.31E-04	
22590	SLC34B2	5700743	0.93	7.34E-04	
13661	OLFR1013	4060358	1.05	7.58E-04	
3658	S100A4	5206466	0.94	7.69E-04	
18015	TREM1L1	6400307	1.06	7.78E-04	
12691	SL1	1430139	0.93	7.97E-04	
2958	KHN1	450097	0.94	7.86E-04	
16810	LOC10007P2	1070170	1.15	7.94E-04	
415	TGFB1BP2	220551	1160	7.97E-04	
2093	PP2CB	6380484	1.10	8.02E-04	
11472	HDXD11	6200669	1.06	8.14E-04	
9095	TMEM184A	3780113	1.06	8.18E-04	
185	WDR31	2340338	1.07	8.18E-04	
4604	CNBP2	2490554	0.90	8.31E-04	
95	SERHL	5360041	0.94	8.61E-04	
7006	GRP27	6200253	0.93	8.65E-04	
21927	ZFP239	9900339	1.08	8.78E-04	
137	PKHD1	4860333	0.93	8.86E-04	
7486	FSM3A3	4850181	0.93	8.88E-04	
2427	SPFH1	7900598	0.94	9.27E-04	
232	OLFR482	3800292	0.95	9.46E-04	
16590	TRAM1	4480402	0.91	5.03E-04	

9942	FLJ1	4220050	1.07	1.15E-06
16084	P5MD11	5870291	1.04	1.18E-06
956	UGT2B37	2860463	0.97	1.18E-06
22822	ADD3	3450040	0.87	1.19E-06
1822	VKR1	6420379	0.93	1.26E-06
7597	4921511H0	520717	1.06	1.30E-06
2739	SDCCAG8	5390593	1.11	1.34E-06
383	1700123K0	840634	0.92	1.43E-06
2242	OLFR362	6860670	0.92	1.53E-06
2186	RBM8A2	2190528	0.87	1.56E-06
261	Z1C4	5890528	0.91	1.58E-06
657	F8	6200551	1.08	1.67E-06
345	TRABD	2690240	1.11	1.71E-06
6017	HOMER1	1510672	1.06	1.71E-06
21592	INSIG2	7510356	1.12	1.71E-06
3800	SEC14L3	3990138	1.04	1.73E-06
179	EGZ23201	6590379	0.94	1.76E-06
18820	TMEM17	2970537	1.10	1.78E-06
22540	GRW211	2140403	1.08	1.93E-06
8682	CDC14B	10255	0.91	1.94E-06
18658	ZP1	1090543	1.09	1.94E-06
4955	SNK14	1740577	1.04	1.95E-06
13473	PANX4D2	6420452	1.11	2.02E-06
3304	YTHDF3	5700286	0.94	2.10E-06
360	SLC35C1	3390328	0.92	2.13E-06
351	H56T51	6350402	0.88	2.15E-06
210	MTIF2	6940017	0.93	2.25E-06
504	CDM1D3	1070438	1.09	2.27E-06
494	SAMS91	6020400	1.11	2.30E-06
5943	KLHL5	6380373	1.08	2.32E-06
1519	TALD01	7150121	1.08	2.38E-06
124	PYPA2	5820646	0.95	2.31E-06
16272	281041C1	5490598	0.94	2.96E-06
15912	STAR	6110322	1.04	3.07E-06
13883	ASB1	1510564	1.07	3.07E-06
142	RBM47	6420372	0.95	3.16E-06
7893	PIGK	6760192	0.93	3.30E-06
25637	IRAK4	5240452	0.94	3.38E-06
21420	TRAM1	5270452	0.79	3.48E-06
23107	Z121003L11	4120437	1.09	3.79E-06
3437	ACSL3	5560615	0.86	3.92E-06
5024	CALD1	2104241	1.07	4.04E-06
1100	CDH16	6220440	0.86	4.11E-06
1526				

606	MEK3C	1010446	1.04	0.001
8938A	1780020	0.93	0.001	
951	CLK2	2970646	1.06	0.001
11960	CSNK1G2	6480168	0.88	0.001
10133	UMODL1	6130154	0.94	0.001
3648	DUSP27	6060949	1.06	0.001
6551	ZFP709	5570754	1.06	0.001
9400	PABPC4L	5220703	1.04	0.001
2735	ZCCHC1E	3120377	1.06	0.001
11553	F830116E1	6350215	1.06	0.001
9165	PBK1	1470315	0.95	0.001
4655	YVHAH	2190544	1.08	0.001
6479	AU040320	990202	1.06	0.001
1221	F8EB3A.1	6110133	0.95	0.001
5424	ACAD10	5570379	1.03	0.001
12529	BC024479	3850338	1.05	0.001
20880	H51T1H18	1470050	0.95	0.001
9768	AKT3	7150521	0.94	0.001
7255	F8A5428L1	4380110	0.95	0.001
24826	NSL1	650048	1.04	0.001
1165	APH1B	6220612	1.06	0.001
2348	OTTMUSGG	780528	1.06	0.001
991	BC088983	3520138	1.05	0.001
342	FIF3	4220433	0.84	0.001
45	CD027	5690056	1.07	0.001
14374	SFRS3	1340040	0.93	0.001
12921	B230118HD	830026	0.96	0.001
19004	HPGD	2450343	1.06	0.001
10500	LOC100044	7050446	0.90	0.001
114	COL25A1	1070196	0.92	0.001
9969	ARSD	1470356	1.13	0.001
15667	ROBO4	2630333	1.06	0.001
9647	CAMK2G	5260520	1.16	0.001
3555	GRAP	510162	1.06	0.001
22589	AA563749	4050370	1.05	0.001
1109	22310047M	5690753	0.90	0.001
16054	DHRS7B	2100465	0.87	0.001
6273	OLFR1324	130639	0.96	0.001
17371	LYSMD4	2490427	0.96	0.001
6081	F8XO3A	3120237	1.14	0.001
1231	MUC10	1030504	1.05	0.001
3602	SLOC12A9	5220594	0.96	0.001
1812	CALU	1410091	1.04	0.001
4274	LIRC3B	2360563	1.07	0.001
1048	AFG3L1	7550400	0.95	0.001
12169	FTMT	3060730	1.03	0.001
20382	G720456B0	6620554	0.90	0.001
4691	KHLH32	6200079	1.08	0.001
24813	SLOC1B2	1410035	1.05	0.001
13574	KHLH26	4880133	1.05	0.001
1853	ARD3A	7400348	1.07	0.001
12942	OLFR121	6900475	0.93	0.001
245	POLR2B	6480447	0.89	0.001
3509	COLM	3440301	1.05	0.001
22527	MPLR4L	4220725	1.03	0.001
2890	GCM1	1450376	0.96	0.001
2189	DS5	1010368	1.09	0.001
6564	DDX56	160189	1.03	0.001
1778	PDLIM1	7506773	0.93	0.001
16333	SLOC1A5	20647	0.94	0.001
17196	ATXN2	4390593	1.11	0.001
192	L6ALS12	4210176	1.06	0.001
15872	FANCD2	1940020	0.92	0.001
24048	SPCA3	60653	0.94	0.001
19205	MRRF49	3780435	0.93	0.001
1308	A932441K1	2760136	0.95	0.001
11599	A3116807	6100050	0.94	0.001
10900	ACIN1	4260209	1.05	0.001
14400	AGXT2	510554	1.04	0.001
709	PCDBR2	7505452	1.05	0.001
435	HTRA	1440672	1.07	0.001
6435	STX17	3130014	0.94	0.001
11929	AHCTF1	2690688	1.07	0.001
2420	NOTCH4	4250059	0.92	0.001
23694	TRIM2	3460064	1.17	0.001
5299	SCLC3A1	2480084	1.04	0.001
994	RABL3	2970685	0.92	0.001
11774	EP8A.1L2	1770593	1.05	0.001
14406	UMPS	1410445	0.95	0.001
10414	OPAH	730612	0.94	0.001
3496	EG245376	7570358	0.96	0.001
1900	OLFR707	5960685	0.96	0.001
6686	2310079F2	1190397	0.95	0.001
1057	SRXN1	610463	1.08	0.001
5020	SCA1	5080156	1.14	0.001
22743	OLFR1037	3120114	0.95	0.001
103	PNPO	2005093	0.89	0.001
10	ATP5SL	5270131	0.87	0.001
9014	KTN1	160014	0.95	0.001

6447	ELF3	4290075	1.05	5.20E-04
9606	BRPM5	2360717	1.05	5.25E-04
4402	SCLC12A3	4260377	0.96	5.38E-04
8197	AGR2	4760133	0.94	5.42E-04
3973	4921533L1	5390451	0.96	5.46E-04
7547	PD81A	7210632	0.86	5.51E-04
21198	HDXC2	3780262	0.89	5.55E-04
9305	PUS2	240301	1.04	5.70E-04
3040	DNAJB3	2000128	0.92	5.73E-04
1203	TNP2	510129	1.08	5.79E-04
6147	PZRK6	110010	1.05	5.80E-04
4403	OLFR160	6480059	1.04	5.80E-04
16650	GMS25	3130709	1.06	5.84E-04
13498	SOX6	4830239	1.04	5.88E-04
18534	ALG5	1400450	1.07	6.12E-04
23563	IGTN	3190427	1.06	6.15E-04
202	NLRP1C	4150066	1.06	6.34E-04
17917	OLFR1477	4220523	1.04	6.34E-04
13899	FORK1	2330273	1.0	6.36E-04
5068	BANF2	70048	1.04	6.50E-04
14801	NPP4A	5360273	0.95	6.63E-04
3202	NIPSNAP3A	630162	0.95	6.66E-04
12039	PZR2Y10	6400070	0.96	6.80E-04
16192	CYP2A12	6960037	0.94	6.97E-04
45	CD207	5690056	1.16	6.98E-04
5950	OLFR1351	1070538	0.96	7.08E-04
839	TNRCC6	7160435	0.96	7.17E-04
11934	1110007L1	5270747	1.08	7.28E-04
18633	F8FLA	1260477	1.03	7.33E-04
18529	JTB28A	3140608	1.09	7.38E-04
219	LTR4	1780079	0.96	7.39E-04
128	TRPC4	3060398	0.94	7.39E-04
24096	953006D0	1050240	1.04	7.47E-04
3044	HSGF11	1660296	1.07	7.57E-04
6786	ITPK1	1030605	0.92	7.59E-04
7297	OSY	3520632	0.89	7.61E-04
22615	EDC4	5050241	1.07	7.68E-04
12905	OLFR1350	5570504	1.04	7.82E-04
20408	4932413O1	4200682	1.05	7.86E-04
1780	GTSF1L	2760740	0.96	7.91E-04
508	KOPB5A4	30729	1.05	8.00E-04
2901	KMTN12	6520056	0.95	8.03E-04
9754	MTRF2	2470376	1.07	8.08E-04
7048	GYS3	5890322	1.06	8.12E-04
21516	MTSS1	6900133	0.95	8.25E-04
6104	OLFR1173	620220	1.06	8.29E-04
3891	5IT1	430746	0.96	8.35E-04
3161	ARL3	2450463	1.08	8.46E-04
446	NGP	730487	0.95	8.47E-04
6616	HIF2AK1	4220711	0.92	8.64E-04
6624	SPAL1L3	4010341	0.96	8.67E-04
2947	WDR37	1170719	1.05	8.68E-04
2127	TRNF8	3160212	0.95	8.71E-04
9917	ICOS	2450329	1.06	8.85E-04
992	GRIN2A	4230068	0.94	8.96E-04
13167	PRESY7	1940561	1.05	9.20E-04
4333	ABI3BP	4490730	1.12	9.23E-04
11611	TMC06	5960332	1.05	9.24E-04
1197	HFXR45	3140743	0.96	9.27E-04
8121	OLFR5	450736	0.95	9.46E-04
3724	KRHD11	630400	0.95	9.50E-04
24904	FLT1	3830114	0.89	9.57E-04
12534	SC44A2	3840600	0.97	9.60E-04
1184	CYP7D	3360463	1.04	9.64E-04
8446	CIGR5	1260494	1.07	9.92E-04
12779	PPAS5	7150711	0.95	0.001
5056	SH0319	1780273	1.04	0.001
6361	PTCRA	5360672	0.94	0.001
12735	DBR2	4900474	0.98	0.001
5629	5STR3	460333	0.95	0.001
16450	BC020259	1850048	0.94	0.001
4135	OLFR1045	6270681	1.06	0.001
21191	RG53	6840192	1.04	0.001
16745	NR2E3	3450739	0.97	0.001
15513	JAM2	1470215	0.96	0.001
3593	NHRP2	3130455	1.07	0.001
3353	SFR1B	6960215	1.13	0.001
704	PTFRF	60400	0.95	0.001
5482	1110020C0	3130703	0.95	0.001
14437	BC049730	4850253	0.95	0.001
16968	OLFR120	4280435	1.04	0.001
21636	NDN	4490367	0.79	0.001
946	OLFR1344	770364	0.96	0.001
2440	TBP1	6290463	0.94	0.001
582	IGRF	1770292	0.96	0.001
25269	ADC	1050521	0.97	0.001
8859	IRC8	1660224	0.87	0.001
217	WIP2	2190612	0.91	0.001
22740	NDOR1	430102	0.95	0.001

4375	MAPIK5	510538	0.94	9.86E-06
6278	CD30A	2490097	1.05	1.00E-05
45396	INTS4	870653	0.93	1.02E-05
17023	AP0A2	6350537	1.09	1.04E-05
10786	COP7A	3890093	1.09	1.05E-05
18826	RGS18	460138	0.94	1.05E-05
19349	PP3C	6420760	1.1	1.07E-05
4014	BC005764	7510553	1.09	1.08E-05
9923	GSDM3A	150170	1.07	1.10E-05
10460	T1L8	1570301	0.91	1.11E-05
13850	IFNA34	3460546	1.04	1.12E-05
7804	CREB1	620707	0.91	1.13E-05
1145	OTTMUSGG	2350035	1.04	1.14E-05
1745	PER2	5860553	1.05	1.17E-05
13130	CEACAM16	450113	0.93	1.17E-05
3518	GLRA2	20487	0.96	1.20E-05
1313	SYNCRIP	6200181	1.08	1.20E-05
13050	11100576	290296	0.90	1.20E-05
13899	FORK1	2330273	1.0	1.21E-05
3906	DDP2	2120427	1.05	1.22E-05
214	NDUFAS5	6560152	1.15	1.25E-05
3955	TLL1	2680239	1.06	1.34E-05
12659	SCLC26A9	630280	0.95	1.35E-05
3717	CKX16	630274	0.95	1.36E-05
8748	TRML	4490324	0.94	1.37E-05
17420	CDH4	160132	0.93	1.38E-05
4223	LOC100046	5670114	1.06	1.45E-05
23099	VZT2	3060438	0.90	1.46E-05
11389	OLFR398	4730343	0.96	1.46E-05
16076	PHF11	1340193	1.05	1.54E-05
22134	LYA2	5390095	1.08	1.56E-05
11555	EFPA1	2850338	1.13	1.57E-05
22259	NIJ1	4210553	1.09	1.60E-05
2729	VPY2C9	4730403	1.08	1.60E-05
1161	MYO3A	2360753	0.92	1.64E-05
514	RGS5	5340592	0.94	1.64E-05
23834	LOC237877	7150431	0.94	1.70E-05
12945	ITGB3	1740451	0.93	1.73E-05
3254	BTNL2A	2940327	1.06	1.73E-05
480	HAH2	1240085	0.93	1.74E-05
2775	OTTMUSGG	2900339	1.07	1.99E-05
17666	YSG1	2060491	0.93	1.90E-05
11420	6320439K1	240156	1.09	1.81E-05
22591	LMBTL3	7330685	1.07	1.82E-05
20257	CAPN12	3780504	1.05	1.82E-05
14557	PARGC1B	6860138	0.89	1.82E-05
23442	GPC1	1240563	0.94	1.88E-05
1065	GNA7A	4220		

2253	HE56	7000634	0.90	0.001
3718	EXT2	5890435	0.93	0.001
2466	BC021785	2100296	0.95	0.001
13104	INPP4A	2690563	0.97	0.001
14276	ARL6P4	20037	0.91	0.001
1495	ZBTB46	6960639	0.95	0.001
11694	CCDC142	2903731	1.03	0.001
17091	TRIM3	1070551	1.08	0.001
10951	TAGAP	4920639	0.96	0.001
3911	SCNM1	160747	0.89	0.001
9191	STARDB	7320575	0.93	0.001
10697	SLC26A9	4560450	1.06	0.001
3510	CTSW	1570133	0.96	0.001
16781	POLE3	6650672	0.91	0.001
2471	H1FNT	1660646	0.95	0.001

25599	TBX20	2370358	0.94	0.001
447	OPN15W	4890142	1.06	0.001
3779	OLFR164	290170	0.95	0.001
8150	PCGF6	20025	1.09	0.001
4796	ASB17	5340112	0.96	0.001
3839	CCDC102A	990372	1.06	0.001
21554	MFR525	4490450	1.06	0.001
17708	STMN1	3120392	0.93	0.001
20080	CCBL1	2850746	1.10	0.001
1807	NTAN1	50400	1.10	0.001
11345	BC016201	7560551	0.96	0.001
19579	STXP1	1300446	0.93	0.001
16629	LOC100045	5490279	0.94	0.001
11626	RRBP7	6707111	0.89	0.001
2835	SLC24A4	5690546	0.96	0.001
221	EPHAs5	2370692	1.05	0.001
7153	ARF3	5570280	0.91	0.001
9809	TFPOVE2	1010703	0.85	0.001
4045	SRF11	5560537	1.09	0.001
3852	VRH20	3390139	1.05	0.001
9162	TNN3A1	70753	0.93	0.001
11349	ZFP78	7550092	0.94	0.001
5841	TBX6	1230458	1.07	0.001

10201	Z310042D1	5130593	0.95	3.20E-05
46	C330005M	7400678	0.95	3.20E-05
1439	KLHDC1	2490475	1.09	3.26E-05
17462	PRPF40B	830563	1.04	3.39E-05
24762	GDF9	6860349	1.05	3.31E-05
772	LOC100044	4880097	0.94	3.35E-05
3377	AURKA	380120	0.94	3.40E-05
13096	YUPM1	6250754	0.94	3.45E-05
15993	BCAP31	3610424	1.15	3.57E-05
14455	PLAUR	5720497	0.92	3.61E-05
20791	OLFR476	1940193	1.08	3.66E-05
19014	FOX1	5550279	0.95	3.75E-05
19687	MFN1	6860523	0.95	3.76E-05
3538	IGHMBP2	3170180	0.95	3.77E-05
12599	BLM	5960189	0.93	3.77E-05
3630	HOXD4	4640484	0.94	3.81E-05
19573	LOC100047	2600324	1.08	3.83E-05
2003	DLAGA4	1580711	1.07	3.85E-05
8049	KATNAL1	6350437	0.95	3.91E-05
1709	LOC100048	10239	0.94	4.03E-05
8399	G6PDX	240653	1.07	4.08E-05
15065	CCL4	7150500	1.09	4.28E-05
8684	SLFN1	3520746	1.07	4.29E-05
9946	AKR1A4	940474	0.90	4.30E-05
6910	CUL4B	3310767	1.09	4.30E-05
17252	OLFR593	1820253	1.05	4.35E-05
10476	EG240327	3400451	1.04	4.38E-05
14348	CIDE8	10575	1.09	4.46E-05
7175	LCAT	4810072	1.11	4.52E-05
18420	PIHKB	1090574	0.93	4.54E-05
18247	HAP1	5570601	0.95	4.58E-05
15433	TRPT	5420259	1.14	4.63E-05
9112	PPFBP1	160577	0.95	4.65E-05
17017	SIGLECH	70463	1.10	4.67E-05
18694	OAS1F	4230300	1.06	4.68E-05
9131	XPO4	6420541	0.94	4.74E-05
4060	SLC25A20	1090037	1.09	4.80E-05
11856	9130422G0	2450259	0.92	4.81E-05
38	LOC100046	3930047	0.95	4.82E-05
16604	HKM2	3400778	0.91	4.87E-05
5183	TMPPRSS1L	5860427	0.94	4.89E-05
24106	BBS9	6270868	0.93	5.03E-05
417	LOC100048	2060156	1.06	5.23E-05
17000	ACPP	2570280	1.06	5.33E-05
5800	OLFR460	3400687	0.95	5.41E-05
4282	C3AR1	4670743	1.05	5.46E-05
563	CRY1	3290364	0.95	5.47E-05
4431	LOC100044	4890370	0.95	5.55E-05
4374	SLK	6560477	1.07	5.61E-05
3575	PML	4120142	1.07	5.68E-05
13843	PPP2R5C	6900400	0.95	5.81E-05
925	ISM14B	7610086	0.94	5.82E-05
15643	4933423M	4230739	0.95	5.93E-05
437	GLI3	6040707	1.04	5.93E-05
21795	LOC100044	2570661	1.05	5.99E-05
19311	ERLIN2	5390520	0.94	6.07E-05
14837	4933439F1	2100431	1.06	6.14E-05
3352	KCTD9	4880019	1.08	6.19E-05
4485	ZBTB7C	2260398	1.06	6.21E-05
12995	ARHGAP19	1340047	0.96	6.26E-05
20414	Z310005E1	2120243	1.10	6.41E-05
23914	ZGPAT	160500	1.05	6.41E-05
21456	ABCA3	4040497	0.94	6.42E-05
15245	AKR1B3	1340398	1.07	6.44E-05
11887	PSME3	2940097	0.87	6.56E-05
13799	PIGL	6250288	0.94	6.57E-05
19463	LOC329575	2760519	0.95	6.62E-05
3062	UBE2D3	1190504	1.08	6.72E-05
2862	BRSK1	1850433	1.06	6.73E-05
6944	COPA	5560433	0.85	6.75E-05
20858	SMOK3B	5910706	1.05	6.78E-05
19680	AZ1	5490603	0.94	7.06E-05
12400	EFCAB2	2370546	0.93	7.08E-05
1908	TCF11L1	3870046	0.94	7.11E-05
2490	DHWL5	4670768	1.10	7.16E-05
1086	LOC669251	1140709	0.96	7.16E-05
2548	PTPN22	5900593	0.95	7.17E-05
8967	P2RX5	6330451	1.05	7.20E-05
20501	CEP78	730739	1.09	7.22E-05
15698	1700001O2	4610500	0.95	7.23E-05
19177	ORF9	1070192	0.94	7.28E-05
22191	SLC25A21	2470035	1.05	7.37E-05
15397	ATF2	3400360	0.95	7.39E-05
9556	A730017CZ	830358	0.87	7.44E-05
18453	FZR1	160446	1.06	7.49E-05
16334	TNEM49	6480458	1.07	7.52E-05
16696	TNEM	7120431	0.95	7.56E-05
60	CAPRN1	1510201	1.08	7.70E-05
5310	RAD23A	1500129	0.89	7.74E-05

6618	MAMDC4	4610154	1.04	8.08E-04
521	08FC2A	610273	1.06	8.09E-04
11626	MAGEB3	770561	0.93	8.17E-04
17549	GSS	5390102	1.05	8.23E-04
14526	PLA2G4A	1450653	0.96	8.23E-04
15127	MTA1P1B	5810332	1.25	8.27E-04
73	AB30025D0	2600253	0.96	8.29E-04
23040	RLP19	4900703	0.89	8.33E-04
734	SNAP1	5670093	1.10	8.57E-04
9846	S100A9	1980603	0.87	8.60E-04
1570	CAMP	450670	0.92	8.62E-04
4600	CD109	360445	0.96	8.71E-04
9785	4921505C1	2450717	1.11	8.72E-04
9939	TCERG1	1990575	1.04	8.90E-04
9357	DPY30	4230521	0.91	8.91E-04
10303	SLCGA17	6770255	1.12	8.96E-04
7394	FNDC7	6330152	1.06	9.05E-04
2235	SCAMP1	160240	1.13	9.07E-04
7680	GMB15	4880521	0.96	9.12E-04
24719	LOC100044	1990482	0.91	9.14E-04
345	TRABD	2690240	1.07	9.20E-04
22842	OLFR91B	4290184	0.94	9.21E-04
1341	NUDT13	4070026	1.07	9.22E-04
18742	1810000O3	4150639	0.95	9.26E-04
19517	PPAP2B	1660687	1.10	9.34E-04
15326	SPATA16	3370497	0.96	9.39E-04
19015	VAT1	2900402	1.07	9.53E-04
7029	CZCD3	2630669	0.96	9.58E-04
7024	POLE	4060441	0.97	9.64E-04
5916	HCST	1510497	0.95	9.71E-04
7981	CCDC109A	2350538	1.09	9.73E-04
7863	PVR	650458	1.05	9.81E-04
3935	MYH4	4220474	1.04	9.85E-04
689	IFT140	4180411	1.05	9.95E-04
24199	AMN	2510743	0.84	9.96E-04
16929	PDLIM7	6550609	1.08	0.001
72	FECH	3420291	1.05	0.001
4578	LL17D	5130682	0.94	0.001
1013	EFCAB8	2070561	0.94	0.001
22745	HSD11B1	4050369	0.88	0.001
21435	MNRM1	1300392	0.94	0.001
15435	OR92421E1	5720767	0.89	0.001
15162	PSMB9	2450064	0.94	0.001
1760	CRLS1	6960332	0.90	0.001
14548	SPRR2A	60326	0.95	0.001
9294	RSAM1	1190392	0.95	0.001
15442	CD300F	3170487	1.05	0.001
1788	LEP	6280059	0.96	0.001
14667	GSTA4	360348	0.93	0.001
10188	LOC100048	6660152	1.05	0.001
11912	PI4KA	1260241	1.17	0.001
13919	DUSP2	4860379	1.05	0.001
24640	VRBPB	4180151	0.96	0.001
9370	TIMM9	610075	0.94	0.001
5034	PPL	5220397	1.05	0.001
9581	KRT15	4570278	1.09	0.001
17725	BAPX1	6480097	0.95	0.001
3812	MUP2	7050706	0.96	0.001
2207	SMC1A	6330102	1.03	0.001
7209	KSR2	1770307	1.04	0.001
10562	ZFAND2B	2070170	0.86	0.001
21157	PROSAP1P1	2030279	0.91	0.001
684	D6ERTD474	1240477	1.04	0.001
1711	TTL	6380601	0.92	0.001
1471	VRH13	1070736	1.07	0.001
14333	EGG54432	2760735	1.05	0.001
15687	CRHR1	6900114	0.94	0.001
19934	KKR7	20192	0.94	0.001
13389	ZFP512	3850039	1.13	0.001
13908	BC043301	3780270	1.05	0.001
17897	HERC4	4220338	0.93	0.001
1812	CALU	1410091	1.05	0.001
12644	D630044L2	1050386	1.05	0.001
7185	ZDCC	1940692	1.05	0.001
1158	NEWNU163	4010129	1.08	0.001
5838	MYP17	4260053	0.90	0.001
8119	AB30021C2	1990168	1.05	0.001
11582	ADD1	3850386	1.07	0.001
6560	SFM8T1	1110170	1.05	0.001
3913	GSF1	360209	0.95	0.001
7520	TIMM44	6220450	0.92	0.001
16588	PI4KB	2070408	0.91	0.001
2898	OLFR1437	6510709	1.05	0.001
10791	TRIM32	130433	1.22	0.001
3042	FRG1	6940348	0.96	0.001
21118	B930006L0	3460368	1.16	0.001
2489	NM3	2490307	1.04	0.001
10195	G52	20327	0.93	0.001
14029	LCN4	5870014	0.97	0.001

8565	2610507B1	1190095	1.11	5.94E-05
3874	MESC2	6040673	1.05	6.00E-05
11072	2010106G0	270450	0.93	6.03E-05
3742	HERPUD2	6620132	1.06	6.05E-05
788	BC12L2	1980553	0.90	6.16E-05
104	OLFR1517	310100	0.94	6.18E-05
19378	SLC10A7	349038		

9691	TBX20	830392	0.93	7.78E-05
9899	ACYP1	1820576	1.06	7.89E-05
23668	NBR1	6020114	0.94	7.92E-05
10907	PPF1A2	3520136	0.95	8.00E-05
22980	GPSM1	4010228	0.88	8.00E-05
12828	MDGA2	2810349	0.89	8.04E-05
13563	UFSF1	1660731	1.08	8.06E-05
15577	PDC05	3940392	1.08	8.06E-05
1720	ZSWIM4	7510240	0.93	8.07E-05
1404	KCN15	6180594	1.08	8.08E-05
22880	BMX	3180014	1.06	8.09E-05
8753	HPCAL1	4890735	0.93	8.15E-05
14288	MANSCL	1260041	1.04	8.15E-05
4853	CYP4F39	5570292	1.04	8.21E-05
13322	1810055E1	6550431	0.91	8.24E-05
4958	PRKCZ	5820681	1.08	8.29E-05
1233	TRPV1	1240278	1.06	8.41E-05
5650	CTPS	7100685	1.08	8.42E-05
52829	RWDD2B	770372	1.08	8.50E-05
19978	RORB	10132	0.95	8.52E-05
9032	PLN	1500162	1.05	8.61E-05
8759	MED8	6770681	1.10	8.66E-05
10043	1700073E1	650102	1.05	8.84E-05
16670	ESPN	4570519	1.05	8.86E-05
12279	9330182L0	7210128	1.04	8.88E-05
6669	GM1082	3800403	1.04	8.91E-05
4573	RAB11F1P5	6200333	0.95	9.01E-05
21324	ALPK3	4260274	1.09	9.05E-05
7581	TBX2	2760601	1.05	9.11E-05
450	AGBL2	4480097	0.93	9.11E-05
19318	VRRC16	10685	0.96	9.44E-05
11829	TMED4	580215	0.92	9.52E-05
6700	OLFR1089	1470592	1.04	9.53E-05
2545	CTRC	2320333	0.95	9.55E-05
4992	ZF3A2	2190750	1.08	9.66E-05
1593	ZFP106	2680687	0.93	9.73E-05
3781	DDT	1990731	0.95	9.81E-05
13474	POLR2G	7330594	1.10	9.86E-05
5495	ATP6V1B1	5890075	0.96	9.86E-05
15864	HAMP2	7330482	1.06	9.87E-05
14370	CLSPN	6980315	1.05	1.00E-04
21485	WCO1	780301	0.95	1.00E-04
11731	H2-T10	4900722	1.05	1.01E-04
9579	ZFP652	10593	1.05	1.01E-04
9154	RPS6KA1	5860356	1.12	1.02E-04
24274	SETD8	1690114	0.94	1.02E-04
21466	COX6A2	2470356	1.16	1.05E-04
21073	PHEX	2340411	0.95	1.05E-04
6304	MSRB2	5960341	0.90	1.05E-04
8716	LST1	5860154	1.08	1.06E-04
14035	FZD3	1410025	0.96	1.06E-04
20581	OLFR96	1400471	0.95	1.07E-04
10301	EHWMT1	1300521	0.94	1.07E-04
22834	MED24	610040	0.87	1.08E-04
2436	TPD52L2	1990017	1.10	1.09E-04
9588	SNIP1	1580537	1.09	1.11E-04
2389	1700010M	2630646	0.96	1.12E-04
49	WDFY3	6250050	0.91	1.13E-04
22817	ALDOC	5550470	0.89	1.14E-04
9048	PATL1	360215	0.87	1.16E-04
10095	GATAD1	3290458	1.09	1.18E-04
4532	KIF18A	3990296	0.95	1.19E-04
9169	CDSN	60324	0.94	1.20E-04
5063	FLA	5860253	1.05	1.20E-04
329	TCFAP2A	5890725	0.95	1.22E-04
655	BCLAF1	4070392	0.96	1.22E-04
10832	SLC30A10	6770202	0.94	1.22E-04
280	ZBT8BOS	4040253	1.06	1.25E-04
19194	TUBB3	3130458	0.94	1.27E-04
12780	RELL2	4180152	1.14	1.28E-04
23519	PIM2	6020246	1.06	1.28E-04
7303	LENEP	5270678	0.96	1.28E-04
16439	POLD4	5910619	1.10	1.29E-04
23096	ABLIM2	6520408	1.07	1.30E-04
3963	HIBADH	770593	1.12	1.30E-04
13977	THP01	3060543	0.92	1.32E-04
21128	IGBP1	2470064	1.11	1.32E-04
4127	VIP	2940538	0.95	1.34E-04
11980	PLEC1	360014	0.93	1.35E-04
5609	NBL1	3850255	0.88	1.36E-04
2916	TRIP12	6280520	0.92	1.37E-04
4416	LNPEP	3390601	0.95	1.37E-04
15863	IFI202B	650601	0.95	1.37E-04
16561	SFXN4	7650243	1.05	1.38E-04
821	BCE	2760327	1.07	1.38E-04
2501	MEST	3190408	1.05	1.39E-04
18554	111000GGG	4640743	1.07	1.40E-04
18433	ADAM23	3940286	0.90	1.41E-04
440	2010005H1	520035	1.04	1.41E-04

2361	PPARG	2320402	0.93	0.001
8162	D9ERTD402	2340390	0.90	0.001
20529	MRLP54	1070358	0.89	0.001
23128	LOC100041	7400400	1.06	0.001
16466	OLFR1273	7160519	1.04	0.001
6662	RFXDC1	1450446	0.92	0.001
15143	MSA46B	3610286	0.93	0.001
3509	POLM	3440301	1.05	0.001
516	HOOK1	2000328	0.95	0.001
1265	6430527G1	1070187	0.94	0.001
4411	RABGGTA	4900692	0.94	0.001
12870	SLC38A4	5340386	1.04	0.001
545	ASCC3L1	5810170	0.94	0.001
3944	NR2F2	5860709	1.08	0.001
6293	RANBP17	4150086	1.07	0.001
21340	CEP72	5570047	1.06	0.001
2951	LIF	6940037	0.89	0.001
8465	PIPL1	6760647	1.07	0.001
133	CLOCK	4810445	1.06	0.001

21287	GRAMD2	70435	1.05	1.43E-04
12902	CLCA5	1740167	0.94	1.45E-04
8621	ANKRD49	7150553	0.93	1.46E-04
6086	A830018L1	4890259	1.06	1.47E-04
16965	ESPN	6620544	1.04	1.51E-04
20773	CHRM2	2370259	1.05	1.52E-04
12404	IVNS1ABP	650148	1.08	1.55E-04
607	OTTMUSG	6480152	1.05	1.56E-04
6902	PSP	2650338	0.96	1.56E-04
16424	ACTN3	4860577	1.06	1.57E-04
16847	AU017455	6520626	0.95	1.58E-04
7878	KCNH6	6760504	1.06	1.58E-04
16666	ZFP354B	2750563	1.07	1.58E-04
15261	TBPL2	6650484	1.06	1.58E-04
1603	CHMP7	5890390	1.07	1.60E-04
12794	PDCL2	4050192	0.94	1.61E-04
23317	1700018C1	5490215	0.94	1.61E-04
21765	CEP184	1190300	0.94	1.61E-04
5177	ZFP787	2140768	0.93	1.61E-04
3781	DDT	1990731	0.95	1.62E-04
287	TPRKB	3390538	1.11	1.62E-04
20000	ABC8	650438	0.95	1.62E-04
629	NLRP1A	5860519	0.95	1.62E-04
18699	ENTPD8	5420482	0.97	1.65E-04
21069	AFMID	6040278	0.96	1.65E-04
22862	CE51	6480397	0.96	1.66E-04
12736	MXRA8	3940435	0.95	1.67E-04
12628	SP9	5390048	0.94	1.69E-04
16632	CKS2	6220309	1.03	1.69E-04
2879	KRT17	1780341	0.93	1.70E-04
8899	RPS6K1	2750195	1.05	1.71E-04
20360	RNF17	7610379	1.05	1.72E-04
10980	MRP510	7560465	1.05	1.73E-04
8554	UPK3B	4040243	0.94	1.75E-04
15363	ATPB03	7000403	1.08	1.76E-04
6311	MAML1	7650674	1.05	1.79E-04
18239	LOC100047	840253	0.96	1.82E-04
8676	P4HA2	5960754	0.94	1.82E-04
639	DUX1A5	2970240	1.07	1.82E-04
16560	2810416G2	6580768	0.95	1.83E-04
20356	SCMH1	3710070	1.06	1.84E-04
100	POE3B	1900001	1.06	1.87E-04
18722	THAP11	6760653	0.90	1.89E-04
21232	FAIM2	6980414	1.07	1.89E-04
4369	FGFR1OP	6100273	0.96	1.90E-04
144	EYA3	5220181	1.06	1.90E-04
619	1190020I1	7000114	0.96	1.90E-04
1265	6430527G1	1070187	0.94	1.91E-04
11396	ASNS	586070	1.05	1.92E-04
13585	WDR45L	130402	0.93	1.93E-04
23155	UGT2B36	840431	0.96	1.95E-04
2013	SPRR2F	2760669	0.96	1.96E-04
6402	NSAMT1	7380717	1.13	1.96E-04
18415	PRDX6-RS1	1940220	1.06	1.97E-04
23773	UBE2T	3190403	0.93	1.98E-04
7709	EG654453	6180259	0.95	1.98E-04
7339	HN1L	50609	1.04	2.00E-04
2059	GSS	3850167	1.06	2.02E-04
807	V1RD4	7210397	1.05	2.04E-04
3972	PLA2G2A	5050524	0.96	2.05E-04
3934	GPR61	7000619	0.95	2.06E-04
337	F9	3120403	1.06	2.11E-04
1960	A430107D2	670050	1.06	2.13E-04
5512	CAD	2760608	0.95	2.13E-04
8100	FR3	4280391	0.97	2.14E-04
5037	STX1B1	70253	0.96	2.14E-04
7153	NFKBIE	990048	0.95	2.14E-04
14585	PTPN2	2140673	1.04	2.16E-04
20045	WDR41	3940692	1.08	2.17E-04
10116	4933407NG	6580274	1.06	2.18E-04
13254	PIRA	3520039	1.04	2.19E-04
9630	CCL2	5130156	0.95	2.28E-04
12842	FBX08	1450433	1.04	2.33E-04
13118	PKNOX1	3890139	1.06	2.36E-04
3289	RADC5	20431	1.06	2.37E-04
24789	BC006779	6420170	0.95	2.37E-04
20825	WDR93	2190709	1.07	2.39E-04
16911	SLFN9	3890075	1.06	2.41E-04
9584	TMEM70	1990239	1.05	2.41E-04
12169	FTMT	3060730	0.96	2.43E-04
9698	CLCN6	3140162	1.05	2.43E-04
22298	THBD	1230767	0.95	2.46E-04
2370	AIM2	150095	0.95	2.47E-04
21446	5730419H5	1740020	0.91	2.47E-04
23651	FIGL2	2340242	1.04	2.48E-04
4019	NPCD	4280692	1.08	2.48E-04
8407	PPPAC	6270735	0.94	2.50E-04
22691	ACVNL1	5860341	0.95	2.50E-04
19165	SNAP3	6860082	1.05	2.51E-04

16320	DNAJA2	1690709	1.06	1.44E-04
13160	BC003236	6100719	1.05	1.46E-04
16436	GNAT2	4070259	0.95	1.46E-04
17542	HNRPH2	1170735	0.94	1.49E-04
5450	GLT6D1	7160451	0.96	1.49E-04
17609	MS4A3	7200142	1.06	1.50E-04
4680	DSTN	4301332	0.87	1.52E-04
5348	SH3MD4	5670468	0.95	1.53E-04
517	NIP7	430484	1.11	1.55E-04
7332	BFBP2	4860427	1.05	1.56E-04
4612	2810046L0	2070736	0.91	1.58E-04
14500	RRP1B	6650431	1.04	1.59E-04
4002	A030013NC	6770639	0.95	1.61E-04
5117	EDAR	7510088	0.95	1.61E-04
11297	HDFL1	5890156	1.05	1.62E-04
18317	SRM	3310347	0.90	1.62E-04
23567	OLFR166	5720703	0.95	1.63E-04
10261	KARS	3310379	1.10	1.63E-04
24072	OLFR1126	4290053	1.05	1.64E-04
8902	OLFR1061	6180176	1.06	1.65E-04
15403	LOC100047	5550348	0.91	1.67E-04
13522	USP5	6330746	1.06	1.71E-04
19759	WBP11	5870059	0.88	1.72E-04
7851	EPB7.2	6400148	0.95	1.74E-04
7008	EIF5B	940044	1.05	1.74E-04
10004	GATM	1690561	1.05	1.76E-04
3692	COX7A1	3360270	1.13	1.76E-04
20096	SEC63	5720082	0.92	1.77E-04
2032	NR5A1	3830039	0.94	1.77E-04
8058	EXOC1	1240189	0.90	1.80E-04
20429	EG328839	2630307	0.95	1.81E-04
21525	OLFR876	7050543	1.05	1.81E-04
15530	CHMP1B	2900594	0.92	1.83E-04
2902	ZCCHC8	3710273	0.95	1.84E-04
17968	TUBA3B	2970630	1.04	1.85E-04
8907	CLEC1B	2710008	1.05	1.85E-04
2771	NNAT	2360541	0.94	1.86E-04
10736	SCPEP1	1030102	1.07	1.86E-04
18760	MEI1	2680682	1.04	1.89E-04
23160	PLXND1	4050079	1.06	1.89E-04
23811	AV249152	470037	0.95	1.90E-04
6203	ERMAP	1340176	0.96	1.91E-04
19095	ZFP87	1820307	1.06	1.94E-04
4317	MPHOSPH1	1710593	1.05	1.94E-04
889	RXFP4	4780156	0.94	1.96E-04
19072	OLFR378	2710692	0.96	1.98E-04
13765	TRAPPC3	4670224	1.10	1.99E-04
2166	ST6GALNAC	6560692	0.94	2.00E-04
7582	LRMP	5390064	1.05	2.01E-04
2961	UPB1	4040376	0.96	2.02E-04
16957	TSPAN3	6840411	0.97	2.04E-04
19154	MMMP7	7650735	1.05	2.05E-04
14253	LRTM2	1300609	1.05	2.06E-04
1766	ARHGAP30	4250544	1.04	2.06E-04
1174	TMEM183A	2750673	0.94	2.07E-04
18596	BMP2K	5560435	1.04	2.07E-04
13134	MSR2	6130746	1.07	2.08E-04
25190	MS4A1	1780187	1.05	2.12E-04
4632	PACSIN1	2190241	0.92	2.12E-04
1405	CRBN	4860064	0.93	2.13E-04
2590	OLFR961	1850370	1.06	2.14E-04
2606	RBM4	6590204	1.08	2.18E-04
14391	GM776	2140446	0.93	2.22E-04
23856	KLRB1	6060326	0.95	2.23E-04
2140	YLRH5	6590386	0.96	2.23E-04
25315	FOXO2	5260291	0.95	2.33E-04
16573	RPTN	2230288	1.05	2.33E-04
18711	SLC12A4	5360072	1.05	2.34E-04
19281	FEM1B	5090017	0.89	2.35E-04
11605	EG434280	2190184	0.95	2.35E-04
14996	RIPK5	2030093	0.95	2.37E-04
17979	WIZ	6550356	0.94	2.38E-04
19228	DDX3Y	6510477	0.86	2.38E-04
7945	NUP153	7550377	0.95	2.38E-04
397	ASPH	7210110	1.05	2.39E-04
13288	TWIST2	6420729	1.06	2.40E-04
10093	KCNS1	3310646	1.09	2.40E-04
17888	CSA	4810402	0.94	2.42E-04
722	SAPS3	460113	0.88	2.44E-04
27	LCORL	2470343	0.96	2.45E-04
1874	SLC44A2	2190632	0.93	2.48E-04
22561	SPCS3	3780717	1.11	2.50E-04
15478	CD28	7320161	1.05	2.53E-04
24592	TLL1	7100180	1.07	2.55E-04
17385	91302180Z	3520278	0.95	2.57E-04
6141	RPE	610377	0.91	2.58E-04
21035	NLHF	1301349	1.06	2.59E-04
25189	SIRT3	5550554	1.21	2.60E-04
64	BC057371	5090653	1.05	2.61E-04

22227	181002981	6760291	1.06	2.52E-04
1913	HEMGN	6450576	0.96	2.54E-04
8740	ADARB2	3710431	1.07	2.55E-04
3253	OLFR568	3450398	0.97	2.55E-04
16902	OLFR1515	1570484	0.96	2.55E-04
1897	SLC7A2	50722	0.94	2.57E-04
3186	KATNAL2	3060750	1.07	2.58E-04
5007	H2-EB1	520072	1.09	2.61E-04
9102	PADI1	1690201	0.97	2.62E-04
13324	LOC100047	1780053	0.89	2.64E-04
19924	OLFR49	3290286	0.93	2.64E-04
20422	CCL20	4290523	0.92	2.68E-04
8311	PDGFB	7320500	1.05	2.68E-04
3996	VIM	1690091	0.90	2.69E-04
803	PEX3	3870349	1.17	2.69E-04
1397	LOC433632	6350397	1.05	2.73E-04
5294	CCDC42	1740746	0.97	2.74E-04
14005	AS30098C1	1190368	0.96	2.74E-04
2443	GSTP1	4290040	1.03	2.76E-04
1908	TCP111	3870646	0.95	2.81E-04
1826	STXBPA	6280066	1.06	2.81E-04
21859	UTS2	7380010	1.04	2.82E-04
16769	CYHR1	5670373	1.06	2.85E-04
21107	ALDH9A1	5050603	1.04	2.85E-04
2664	MAP3K8	2970598	0.95	2.87E-04
16090	CRYAB	5310598	1.19	2.88E-04
23542	CCDC50	5360653	0.94	2.90E-04
13399	PLCD3	1240039	0.93	2.92E-04
9549	ASAH3L	1470386	1.14	2.93E-04
20268	PTCD3	990326	1.05	2.94E-04
20371	BSND	5220451	0.95	2.95E-04
8303	CDC25B	2470360	1.06	2.99E-04
4875	DKKL1	7200600	0.94	3.03E-04
20779	SOX6	1300717	1.04	3.04E-04
18868	ADAM8	7200037	1.05	3.08E-04
4894	ACPL2	6060630	0.94	3.09E-04
2542	SLC2A5	450020	0.94	3.10E-04
5150	HCFC1R1	1030768	0.96	3.12E-04
14120	GRIA1	4830670	0.87	3.13E-04
10200	AKR7A5	3180068	0.93	3.17E-04
8634	SLC35C2	10204	0.90	3.18E-04
17685	POU3FA	6120646	0.93	3.19E-04
17708	STMN1	3120292	0.93	3.19E-04
6843	E130319B1	6550070	1.05	3.20E-04
24601	KRT73	3190402	0.94	3.20E-04
545	ASC3L1	5810170	0.93	3.23E-04
22574	CXCL12	1470148	1.04	3.26E-04
7295	ITPR2	5820291	0.95	3.28E-04
4122	IFIT81	5080347	1.06	3.29E-04
15794	HTRA1	6220703	1.11	3.32E-04
20275	RAP2C	3460053	0.94	3.38E-04
2303	IGSF21	6860537	0.89	3.39E-04
1170438	LOC677205	1170438	1.06	3.40E-04
19056	DTNA	7380255	1.06	3.43E-04
488	3110050N2	610129	1.09	3.44E-04
15848	2310014L1	3840475	0.96	3.45E-04
5716	SCARAS	160377	0.94	3.46E-04
17280	GM467	2350497	0.95	3.47E-04
19401	BLK	3140491	0.92	3.48E-04
876	APOC2	5390240	0.96	3.49E-04
24255	TM95F3	2350678	0.93	3.53E-04
4381	ZBTB9	3130072	0.95	3.55E-04
13860	LOC100047	3460674	1.03	3.56E-04
24458	GMMT	1110288	0.93	3.61E-04
14007	NANOG	5090661	0.96	3.62E-04
18950	ALB	7400647	0.92	3.62E-04
25519	ADD2	1230253	0.96	3.67E-04
17622	1700025D0	4780719	0.96	3.69E-04
17475	C1QTNF3	5260672	0.95	3.72E-04
3865	USP9Y	4880397	1.05	3.73E-04
11270	9630028B1	4220458	1.07	3.75E-04
17050	CENPI	6110646	0.96	3.76E-04
2916	TRIP12	6280520	0.93	3.83E-04
5777	PKP3	5260731	0.95	3.84E-04
18173	MCF2	7570397	1.05	3.84E-04
1886	MFS58	7150670	1.05	3.87E-04
5334	HMG82	5290729	0.95	3.88E-04
10468	TNFSF12-IT	6100220	0.93	3.91E-04
3932	PLEKH7A	5690368	0.94	3.92E-04
1254	CADPS2	1090220	1.08	3.93E-04
21056	BC061039	6280086	1.05	3.93E-04
10606	ZFP609	7320687	0.95	3.94E-04
18605	AV074887	2450020	1.04	3.94E-04
13833	IGHMBP2	3060739	1.04	3.95E-04
5538	TMPO	5390494	0.96	3.95E-04
11402	GZMM	50253	0.94	3.96E-04
21000	WRNIP1	4670819	1.06	3.97E-04
13026	GNAS	1090132	0.94	3.98E-04
23921	MAZ	5560372	1.08	3.98E-04

15914	NDUFS2	4180379	1.06	2.63E-04
5622	CCL25	1780307	1.07	2.65E-04
7657	CLTA	4060491	0.95	2.68E-04
1266	GPR45	7040114	0.95	2.69E-04
14053	TAS2R143	3370561	1.05	2.71E-04
1895	DUSP23	670681	1.08	2.71E-04
915	FNDC7	7150133	1.0	2.73E-04
10621	SNCAIP	840148	0.95	2.75E-04
3568	HSPA4	4050630	0.96	2.77E-04
15235	SRA1	2060072	1.09	2.81E-04
978	GABPB1	4070598	0.94	2.82E-04
21796	Z310037124	2940152	0.91	2.84E-04
6139	V1RD17	6270129	1.05	2.84E-04
21994	PCSK1N	3610039	1.16	2.86E-04
1158	DGWSU163	4010129	1.06	2.86E-04
10948	REXO1	3450228	1.04	2.87E-04
6641	STAB1	2490286	0.94	2.91E-04
17778	SUC2A9	3130228	1.05	2.91E-04
18225	REPE1	4760630	0.97	2.93E-04
9726	EFTUD1	2680332	0.94	2.94E-04
24216	LIPH	380332	1.04	2.95E-04
8824	HUS1	1570079	1.09	2.96E-04
296	RFFL	6860398	1.05	2.96E-04
10330	KCTD10	2060612	0.97	3.00E-04
4859	RAB37	2000056	0.93	3.00E-04
8835	WNT2	4830008	1.08	3.01E-04
9463	ZFP288	4670280	1.08	3.02E-04
477	ADCK2	2370102	1.04	3.02E-04
7015	GNPTG	4890343	1.07	3.02E-04
4540	CSY10	2140349	1.07	3.03E-04
3738	BOLA3	1430176	1.13	3.03E-04
26	TNFSF11	2480255	1.07	3.04E-04
7318	NSMCE2	2680180	1.05	3.05E-04
178	CETN4	6980022	0.93	3.05E-04
3915	MTAP	4050328	1.05	3.08E-04
8831	SNUPN	6840523	1.08	3.08E-04
5605	DMN	1740364	0.90	3.10E-04
6633	PFDN1	1660356	0.96	3.10E-04
685	4732418C0	620730	1.07	3.13E-04
19859	PSG19	4290482	1.07	3.15E-04
4838	GLT8D1	2190587	0.92	3.15E-04
740	CMYA1	4900279	0.96	3.18E-04
10132	ADRB3	7560349	1.06	3.20E-04
25623	PNKD	3460731	1.05	3.21E-04
12720	PRR19	730440	1.04	3.21E-04
1911	EFNB3	1570433	1.07	3.21E-04
1815	CREB1	130707	0.96	3.25E-04
945	RAD18	4390632	0.95	3.26E-04
12519	URM1	2450678	1.11	3.28E-04
211	ARFGAP1	6100537	0.95	3.28E-04
6936	PCYOX1L	3870092	1.06	3.29E-04
23088	TMEM53	990239	0.94	3.32E-04
25391	LOC100046	2350286	0.93	3.33E-04
15283	FMOD	6110520	1.04	3.34E-04
10277	EPBA1L1	7400491	1.13	3.35E-04
21015	MFGE8	2120286	1.13	3.36E-04
20749	ENDOGL1	3310368	1.08	3.38E-04
7609	BRUNOL4	3290670	0.92	3.41E-04
1775	LOC433721	2510541	1.06	3.42E-04
1443	CRLS1	3450154	1.06	3.43E-04
25602	TAF1C	60255	1.04	3.56E-04
25358	RBM10	1980554	1.05	3.57E-04
14491	ANXA13	3610521	1.05	3.57E-04
13225	SUC3F3	5130424	0.91	3.58E-04
3805	APEX2	4050475	0.96	3.59E-04
1516	LARC39	2690524	1.05	3.60E-04
23450	SOHLH2	1240369	1.05	3.62E-04
34	D030070L0	1510433	1.10	3.62E-04
90	EG317677	2710465	0.94	3.63E-04
1399	D4ERTD22E	4920564	1.07	3.64E-04
2109	JMY	5820707	0.95	3.67E-04
8893	MAGEA4	7550131	0.95	3.67E-04
1629	SUMO2	6660497	0.92	3.69E-04
13534	LOC10004	5870630	0.96	3.74E-04
10003	CYCS	4390956	1.06	3.78E-04
10242	DKS	2370767	1.09	3.78E-04
15743	WDR4	3310242	1.05	3.80E-04
17832	DSG1B	6510068	1.05	3.83E-04
16297	GM93	4220707	1.05	3.84E-04
87	HBB-B1	670403	1.09	3.85E-04
6374	FADD	6450050	1.07	3.86E-04
10858	FBN1	110048	1.06	3.88E-04
18098	DGKQ	1710474	0.95	3.89E-04
21337	HTR4	4850538	0.93	3.95E-04
3916	RBM12	4290019	0.95	3.96E-04
15261	TBPL2	6650484	0.95	3.97E-04
641	RNF14	1430111	0.92	3.98E-04
5197	4933433P1	1300706	1.12	3.98E-04
19451	SARS2	2060047	1.07	3.99E-04

23709	MDGA2	290280	0.95	3.99E-04
22113	E130014I0	2450670	0.93	4.00E-04
17688	LTB	160408	0.94	4.03E-04
3242	PCTK2	1740634	0.97	4.04E-04
11139	RCOR1	110154	1.06	4.07E-04
16340	RFTN2	6590243	1.10	4.10E-04
9582	RBBP9	2230424	1.09	4.11E-04
1696	CAMK2D	1580397	0.96	4.12E-04
5053	ARRB1	1340239	1.04	4.19E-04
17940	PKD1L2	6400402	0.96	4.19E-04
687	SRC	3120709	0.94	4.19E-04
20894	OLFR1249	3060722	1.04	4.21E-04
13517	CKAR	7210546	0.97	4.22E-04
5057	TREML4	4670162	1.05	4.23E-04
7163	BC050196	7320632	0.92	4.23E-04
4388	HIF3A	4290201	1.04	4.24E-04
24934	CCRL1	5890091	1.06	4.25E-04
22749	PPROXD1	4180524	0.94	4.25E-04
8218	UBE2M	2060450	1.08	4.26E-04
3665	PRH1	6480170	0.95	4.28E-04
22576	WDR67	6110324	0.95	4.28E-04
14661	TRPCS5	6840653	0.94	4.29E-04
16580	LOC100047	4290653	1.14	4.40E-04
7121	PIGR	6510373	0.94	4.42E-04
3743	V1RD19	1690367	0.97	4.43E-04
3118	BARSD1	2760609	0.93	4.43E-04
5027	SKIV2L	60707	1.06	4.44E-04
22418	2210412D0	5008	0.96	4.44E-04
18433	ADAM23	3940286	1.13	4.49E-04
21298	NPM1	6840433	0.90	4.53E-04
3756	GTBPB8	5870180	0.94	4.53E-04
9508	PRX	5050093	0.96	4.60E-04
10926	FBXW8	7200626	1.07	4.60E-04
3748	PPP1R3B	4150097	1.06	4.61E-04
27	LCORL	2470343	0.92	4.62E-04
25525	NCKIPSD	4670121	1.08	4.64E-04
37	WDR31	5130082	0.94	4.64E-04
8223	CCDC96	7040315	1.04	4.73E-04
15187	PTRF	2320014	0.96	4.73E-04
12078	DHRS7	3440639	1.07	4.79E-04
3809	HSC3B2	7550575	0.97	4.79E-04
22712	NFRF2	4890537	0.94	4.80E-04
23027	CCDC97	6620528	1.06	4.82E-04
20468	3000004C0	6350367	0.94	4.83E-04
10933	AKAP6	6510259	1.06	4.85E-04
6762	RG9MTD2	1110072	1.06	4.89E-04
678	ZFP113	830348	0.91	4.95E-04
15837	SCRIB	840066	0.95	4.98E-04
22644	E530011F1	4900170	0.95	5.04E-04
11253	ARMC8	270524	1.04	5.13E-04
24639	DUSP9	4920612	0.95	5.13E-04
13726	ZFP105	670038	1.04	5.13E-04
10773	HEATR5A	6520040	0.96	5.15E-04
3635	LOC100049	130500	0.95	5.15E-04
14545	HIRA	5290431	1.10	5.17E-04
24086	PLEKHG4	520719	0.95	5.17E-04
3337	GPC3	3890500	0.95	5.19E-04
17893	PMM2	110474	0.96	5.21E-04
3291	NDRG3	4070377	0.88	5.25E-04
17664	TRAM2	4210193	0.97	5.28E-04
1719	ZFP273	7400600	0.95	5.29E-04
3381	PPAPDC3	5910446	1.09	5.35E-04
4116	TGFB1	5130139	0.95	5.36E-04
1844	COP22	4920056	1.06	5.45E-04
12526	KRAS	1820088	1.05	5.45E-04
18204	ZFP108	460543	1.05	5.48E-04
808	PHF6	6100646	1.07	5.54E-04
115	KLHL28	450594	0.96	5.58E-04
17705	EDF1	1850477	1.19	5.60E-04
17955	RPO1-4	6380370	1.06	5.60E-04
25141	TMEM49	2340113	0.96	5.66E-04
10338	NFASC	6060563	1.07	5.67E-04
24442	HIPK4	2350546	1.05	5.67E-04
20263	ZFP59	110072	0.95	5.71E-04
19526	EXOSC2	1580307	0.89	5.81E-04
18705	MCG10	4480373	1.10	5.83E-04
425	GPR162	5260092	0.93	5.83E-04
1089	ZFP771	4210278	0.94	5.84E-04
25611	CHMP2A	540156	1.06	5.89E-04
8225	BC053749	3290379	1.07	5.92E-04
23289	TMEM115	5900379	0.91	5.97E-04
1934	KIF15	7650538	1.04	5.99E-04
6649	PPP1R2	2850192	0.92	6.08E-04
9045	H5BP1	7510288	0.89	6.12E-04
5708	BC087945	5720128	0.95	6.13E-04
24345	TCR1AIP2	4760255	0.97	6.14E-04
6223	RANBP1	1540348	0.91	6.16E-04
24056	KRT14	1470619	0.97	6.17E-04
5585	V1RC13	4570017	0.94	6.17E-04

14073	MUC1	1260047	0.94	3.99E-04
3087	ETFA	5960653	0.92	4.00E-04
1323	AAMP	4050470	0.86	4.00E-04
10936	4933407P1	3440722	0.96	4.00E-04
138	CYP4F16	540075	0.94	4.05E-04
25646	4930401F2	4900717	1.04	4.05E-04
5696	CARS5	7200528	1.06	4.06E-04
6029	SIC7A13	7050474	0.95	4.07E-04
2631	TAF9	3850458	1.08	4.09E-04
15100	CHRNA4	2070482	0.94	4.11E-04
5965	PTPRK	1740561	0.95	4.12E-04
11006	SUCLA2	4480477	0.94	4.14E-04
158	RAB17	2850349	0.96	4.14E-04
1288	BTG3	7150433	1.05	4.17E-04
21540	OLFR736	6250156	0.95	4.19E-04
1592	HNRNPR	6650204	1.05	4.19E-04
18033	CLEC11A	2690411	1.08	4.20E-04
22359	SNOX	5050908	1.11	4.20E-04
1628	ACSM5	4850739	0.95	4.21E-04
9426	8030462N1	6220086	1.04	4.28E-04
753	ARHGAP27	5130438	1.07	4.31E-04
6124	FBXO34	6380148	1.12	4.33E-04
21075	GSDMA1	3800187	1.05	4.42E-04
16167	BCO24561	6620176	1.05	4.42E-04
11276	POLR2A	450609	0.93	4.43E-04
13039	ERRF1	4570368	0.91	4.44E-04
11594	TNFAIP1	3940520	0.89	4.46E-04
18502	57304101S	10270	1.06	4.51E-04
19294	CPA6	5810026	1.04	4.51E-04
16802	ATRX	4500400	1.04	4.54E-04
11518	RHOX5	4390148	0.96	4.54E-04
23076	3110004L2	1260468	1.05	4.56E-04
16521	STX6	3840202	0.91	4.57E-04
12515	V1RH12	4260482	0.94	4.64E-04
1532	2810003C1	3610239	1.10	4.64E-04
19769	1110039B1	3710286	0.94	4.67E-04
15503	OLFR366	1660019	1.04	4.69E-04
12934	BCAR1	1770189	1.06	4.69E-04
6623	4921528G0	7050390	0.95	4.70E-04
21131	ZFP423	2600402	1.07	4.70E-04
3633	SPRE3	7050200	0.95	4.72E-04
20190	D11EWG05	5070669	0.90	4.78E-04
10763	TYMS	510544	1.04	4.79E-04
18721	NKIRAS1	1070195	1.04	4.82E-04
9664	GPRS6	60079	0.94	4.86E-04
18952	RAB8A	1240324	1.08	4.88E-04
16848	OGT	6960095	0.93	4.91E-04
1384	DMD	360367	0.92	4.94E-04
7974	MTNR1B	7320100	1.05	4.99E-04
14644	TMEM180	1690685	0.92	5.01E-04
24855	1600029D2	1300092	1.05	5.01E-04
20493	KUHL6	1780445	1.06	5.03E-04
441	NUP37	4290594	0.94	5.05E-04
10109	YIPF6	6290575	1.06	5.18E-04
7150	V1RC3	4810020	0.96	5.22E-04
19481	ATP8B3	130020	0.95	5.22E-04
10107	SOC51	5670497	1.08	5.25E-04
5330	OLFR1380	940468	0.95	5.25E-04
2803	ZFP523	6510427	1.09	5.25E-04
10893	HTR5A	2060400	0.94	5.27E-04
15915	MX1	1050553	0.92	5.27E-04
1483	RIPPLY1	3290692	1.04	5.28E-04
1533	PMMP22	4730685	1.09	5.28E-04
23970	DDX19B	3610482	0.90	5.29E-04
3418	MECR	1990730	1.08	5.36E-04
15850	LOC268782	1570661	1.06	5.37E-04
23313	E330016A1	2350221	0.96	5.47E-04
10103	GIT2	3450372	1.07	5.49E-04
13223	ANP32B	6550707	0.96	5.51E-04
19747	NNT	3840102	1.07	5.52E-04
22269	V1RD3	2630050	0.95	5.58E-04
13018	BCO04728	2690368	1.08	5.60E-04
5875	OLFR944	1990300	1.06	5.61E-04
11451	DRF9	4810259	1.06	5.62E-04
21010	MKCBPAP	4640292	1.03	5.63E-04
7908	RNF5	2450224	1.10	5.65E-04
24651	REEP5	730541	0.86	5.64E-04
19090	1110049F1	780332	0.93	5.70E-04
2034	GORASP2	5910601	0.94	5.71E-04
22009	FKBP2	1050082	1.10	5.73E-04
17511	ELMO2	5050465	1.08	5.73E-04
11811	MEN1	4120593	0.91	5.74E-04
22983	6430510M	2600068	0.87	5.74E-04
19491	CENPQ	6480292	1.04	5.75E-04
6815	ZC3H12B	2710368	1.06	5.78E-04
7841	MEK3A	6290367	1.04	5.80E-04
284	OLFR1497	4290626	1.05	5.82E-04
1787	MUG4	5870010	0.97	5.82E-04
909	OLFR144	5080440	0.97	5.83E-04

1706	2610507B1	4200674	1.07	6.18E-04
10842	TAZ	5130154	0.94	6.20E-04
128	TRPC4	3060398	0.96	6.21E-04
1206	BC017612	7380048	0.96	6.23E-04
22163	EIF5	5490114	0.91	6.24E-04
10356	4930404H2	2900162	1.05	6.25E-04
15568	1110034A2	19701	1.05	6.28E-04
784	ATIC	4830484	1.05	6.28E-04
16361	OLFR1013	4060358	0.96	6.33E-04
997	4921530G0	5900465	0.93	6.36E-04
25166	RPS4Y2	6590008	0.92	6.40E-04
21247	ACAD9	3170301	1.11	6.41E-04
21211	COL4A3BP	1260440	0.96	6.47E-04
70	FGFR3	7200035	1.12	6.49E-04
10970	TUBA3A	4180743	0.96	6.51E-04
19021	F730047E0	4670601	1.05	6.53E-04
5622	CCL25	1780307	1.07	6.57E-04
636	KBTBD8	350672	1.06	6.75E-04
10774	MAFB	6060409	1.05	6.78E-04
1759	STX3	5820601	1.05	6.84E-04
14268	WNK4	1850255	0.94	6.86E-04
8141	PPM1D	2320537	1.09	6.88E-04
9933	NUT	3180091	1.05	6.89E-04
11855	RBM52	1500647	1.05	6.89E-04
13198	KCNQ3	4570546	1.04	6.89E-04
12162	SALL1	430050	0.95	6.91E-04
17874	ATP5J	4860673	0.96	6.95E-04
536	PDE6D	1010730	0.96	6.96E-04
15492	SPEN	3460605	0.94	6.97E-04
667	LOC637082	60626	1.04	6.98E-04
18398	MBD1	1110338	0.92	6.99E-04
17098	SMARCA2	1580327	1.09	6.99E-04
5306	OLFR608	6940204	1.07	7.00E-04
12824	RWDD2B	770372	0.94	7.00E-04
10858	FBN1	110048	1.06	7.04E-04
10995	CCDC130	160148	0.94	7.04E-04
232	OLFR482	3800292	0.94	7.07E-04
15070	B4GALT3	360102	0.93	7.11E-04
2280	SRPX2	2190139	0.97	7.12E-04
18109	AI662250	1070356	0.94	7.21E-04
18136	MTH1	2850022	0.95	7.21E-04
5157	TIGD3	2060238	1.05	7.26E-04
1511	PDCL	20722	1.09	7.30E-04
4406	TBC1D2	5550482	1.05	7.33E-04
13552	TMEM140	2690379	0.96	7.34E-04
2315	CAPN2	4390020	1.07	7.35E-04
22609	TDPO23	5490544	0.95	7.36E-04
20007	FBXO8	5890730	0.95	7.36E-04
8769	FOXP2	2940070	0.95	7.46E-04
4943	EG630579	4640204	0.96	7.48E-04
25427	1700007G1	3310274	1.05	7.55E-04
12070	MAN1C1	5700747	1.05	7.55E-04
300	SART3	3800979	0.96	7.56E-04
7970	D17H6553E	3520255	1.05	7.56E-04
16855	TLR11	2490072	0.95	7.57E-04
16395	JUN	7560291	1.11	7.57E-04
8309	LMCD1	2710347	1.10	7.59E-04
13716	DHRS4	2510689	0.94	7.61E-04
21442	OLFR1431	5050048	0.96	7.62E-04
17368	SERINC3	1770201	0.89	7.65E-04
15348	CRAT	5890102	0.95	7.67E-04
13086	AA408296	4920746	1.07	7.75E-04
3202	NIPSNAP3A	630162	0.96	7.75E-04
6610	C10C2	870391	0.94	7.80E-04
15949	TRIP4	3850603	1.06	7.83E-04
3264	OLFR559	1050397	1.03	7.84E-04
10629	CSPG4	5690553	1.06	7.85E-04
4777	CTNNA1	2320168	1.07	7.88E-04
19971	RSF1	6220332	0.95	7.91E-04
4851	DDX3Y	6520685	0.96	7.91E-04
20869	DST	5360021	0.95	7.95E-04
3359	ZP2	1450129	1.05	7.95E-04
14293	BNIP1	50681	1.07	8.00E-04
5522	DMRT2	6770161	0.94	8.03E-04
21156	RAW	1050097	1.09	8.05E-04
25445	OLFR50	5220433	1.05	8.06E-04
12664	LCTL	4290358	0.97	8.07E-04
10530	RPS27A	5550431	1.05	8.10E-04
214	NDUFA5	6560152	1.07	8.11E-04
6500	RSRC1	1010487	0.93	8.12E-04
1566	AU018829	4890059	1.06	8.20E-04
6726	USPL1	3520274	0.94	8.29E-04
16610	PPP2R5C	2760707	0.93	8.29E-04
17003	ACTG2	1980209	0.96	8.30E-04
7848	OLFR1008	7200647	0.95	8.32E-04
9193	ABO41803	3570189	1.04	8.37E-04
18647	COL117A1	6770369	0.95	8.40E-04
7726	TIAL1	6650148	1.03	8.42E-04
24028	WDR34	2690224	0.93	8.45E-04



23696	PECAM1	5670020	1.07	5.85E-04
2919	MR1	4260292	1.07	5.86E-04
33	OPN5	3180209	0.92	5.86E-04
21172	TMOD2	2030025	0.96	5.89E-04
12817	1700109HC	2760239	1.05	5.90E-04
3679	BC021381	1240575	1.05	5.94E-04
19803	MYOC	7400463	0.89	6.01E-04
12812	APCS	2320170	1.06	6.06E-04
7673	OAS1A	3290767	1.05	6.09E-04
6945	LOC216443	5420367	1.07	6.12E-04
10574	MS4AGD	3180025	1.06	6.15E-04
19041	KCNMB4	4180491	1.11	6.17E-04
4171	CSN2	450376	0.95	6.17E-04
23186	GOSR1	3850138	1.06	6.17E-04
14930	GNA15	3310577	0.95	6.18E-04
21748	OLFR681	6220278	1.03	6.36E-04
6042	B3GALT2	3780246	1.05	6.37E-04
20412	BGN	2100402	0.88	6.38E-04
10737	40972	3420026	0.93	6.44E-04
429	MICAL1	1850326	0.90	6.44E-04
24167	HCRTR2	3520743	1.06	6.48E-04
1536	CANT1	5900594	0.94	6.52E-04
372	CYP11B2	4760246	1.06	6.61E-04
14342	ZFP52	4900575	0.96	6.62E-04
10041	RLBP1L1	1070450	1.05	6.62E-04
22716	KCNK6	6510026	1.04	6.69E-04
24627	CRAT	160121	1.10	6.73E-04
588	E1F4G2	6520484	1.15	6.75E-04
8461	1100001E0	6200685	1.04	6.75E-04
24180	COR07	6840092	1.04	6.81E-04
5692	LANCL1	1580762	1.12	6.82E-04
23343	BC003993	4290537	0.96	6.83E-04
8393	DEFB19	2030088	1.05	6.83E-04
3402	GJC2	610112	1.07	6.85E-04
24457	CCND2	1580088	0.86	6.88E-04
25162	ORM1	60196	1.05	6.92E-04
598	MYLC2B	6100021	0.92	6.93E-04
70	FGFR3	7200035	1.11	6.96E-04
15381	LRRC1	5810647	0.96	6.98E-04
11434	CDC26	5560687	1.05	7.04E-04
24803	SP2	5220368	0.95	7.06E-04
22951	PGK2	4920021	1.06	7.31E-04
10106	MAN1B1	6100110	0.94	7.23E-04
22696	TEX9	730546	0.94	7.28E-04
22484	MUC13	4880386	1.07	7.30E-04
10660	MAPK12	2690392	0.96	7.31E-04
217	WIPI2	2190612	0.91	7.41E-04
16377	AKAP1	5290670	0.96	7.44E-04
16804	CTDSP2	6520468	0.97	7.46E-04
9994	PTP4A2	6180309	1.09	7.56E-04
24894	RASGEF1B	3370575	0.96	7.57E-04
21256	H19A	7610661	0.94	7.62E-04
4473	HSPB1	5670722	0.95	7.64E-04
20162	9130005N1	450397	1.05	7.73E-04
11	OLFR187	380370	0.92	7.79E-04
6325	EN2	6940544	0.93	7.80E-04
2114	INOC1	4880121	0.97	7.83E-04
4542	2410004A2	3870717	1.05	7.83E-04
1748	NAT2	1710451	1.06	7.83E-04
12474	PTK9	3990682	0.91	7.86E-04
25214	DEPDC7	1660358	1.06	7.95E-04
12547	2310067B1	5820142	0.93	8.00E-04
8235	SHCBP1	3830397	1.04	8.00E-04
224	49333442	6100497	1.07	8.02E-04
15708	SCYL1BP1	4010564	1.03	8.02E-04
12851	LRRC23	670386	0.94	8.11E-04
4116	TGFB1	5130139	0.93	8.17E-04
13251	MBP	1450646	1.14	8.18E-04
15574	HMX1	4220300	1.06	8.19E-04
3868	NOXO1	2370672	1.07	8.21E-04
5472	DOHXS9928	5090537	1.05	8.21E-04
17883	4931432M1	270152	0.97	8.23E-04
15011	AFF4	7100603	0.94	8.29E-04
5136	DNAHCS	4860270	0.96	8.33E-04
24851	MARK4	4480445	1.05	8.34E-04
11593	SIAH1B	3190376	0.93	8.35E-04
4888	BC026585	2900661	1.09	8.36E-04
8321	BC004044	3290253	0.90	8.37E-04
19539	DDX3Y	4120196	0.95	8.38E-04
1276	NFATC2	2000725	1.05	8.41E-04
14141	CSNK1G1	2710437	1.05	8.42E-04
25479	NR2F6	50431	1.05	8.43E-04
10750	EG624219	3520095	0.93	8.48E-04
22587	PIK3IP1	940180	0.94	8.55E-04
22728	RG53	1230292	0.95	8.56E-04
1578	LOC100044	5050402	1.05	8.56E-04
2378	ANKLE2	5360598	1.05	8.56E-04
606	MEX3C	1010446	1.04	8.68E-04
1372	483142615	1430132	1.04	8.68E-04

10576	CCDC51	5360255	1.07	8.46E-04
2359	PROM1	2760167	1.07	8.50E-04
1441	1200016D2	20719	1.06	8.59E-04
4443	IFIT1	1780142	1.05	8.63E-04
8659	BUD13	5080041	1.06	8.63E-04
2627	RRM34	4250470	0.95	8.66E-04
6791	EFNA1	2490053	1.04	8.68E-04
4298	RPRML	2680523	0.93	8.74E-04
18412	ADPGK	5900601	0.92	8.75E-04
215	1810015A1	510338	0.92	8.75E-04
9971	H2-DMA	870154	1.07	8.76E-04
6581	PARK7	4730739	1.08	8.77E-04
2707	ACOX2	3290411	0.94	8.78E-04
1034	OLFR1094	5570270	0.94	8.81E-04
10661	HFE	2360672	1.07	8.89E-04
5003	GLT8D2	4860446	1.07	8.99E-04
42	RBM47	6270243	1.06	9.00E-04
4485	ZBTB7C	2260398	1.06	9.04E-04
14314	GNM51	3440504	1.17	9.13E-04
4670	RRM1	6400348	1.06	9.19E-04
22198	MICAL3	4200592	1.06	9.19E-04
6967	NAB1	780736	0.94	9.24E-04
8114	SMAD3	2450053	1.08	9.24E-04
16905	TGFB3	2510500	0.96	9.25E-04
3080	CYP2C40	3850273	1.03	9.32E-04
10263	4930519G0	4900091	0.96	9.38E-04
11286	TCAM1	4640072	0.96	9.41E-04
22336	483342609	4040400	1.04	9.41E-04
16075	ROR2	6130743	0.96	9.43E-04
19123	LCE3F	1660754	0.97	9.43E-04
21221	SLC25A27	6420017	0.94	9.44E-04
624	OLFR1218	3440189	0.94	9.54E-04
24291	ABRA	7550066	0.96	9.55E-04
16271	6330503K2	3420521	1.08	9.83E-04
17432	ITGB5	1770152	1.10	9.87E-04
18516	WBSCR27	3930026	0.95	9.90E-04
17232	FADS6	7150475	0.95	9.90E-04
21867	SNAPC5	3290368	1.10	9.95E-04
1501	LOC100047	7510609	0.95	9.96E-04
15929	HDLBP	6180187	0.93	0.001
16950	SCNNA1	2140048	1.04	0.001
21977	KIRREL2	1300022	0.92	0.001
5687	TRIB3	2370110	0.90	0.001
7885	V1RE12	4540687	0.94	0.001
19907	E1F1AY	2450402	0.96	0.001
19901	DPP3	4050372	1.12	0.001
24844	TRIM21	5670398	0.95	0.001
3854	ABPE	270520	1.04	0.001
5517	SS18	6100010	1.05	0.001
13091	MBNL2	3450719	1.12	0.001
19286	GUCY2C	4070719	0.95	0.001
25240	TNIP3	10181	0.96	0.001
21787	PGPEP1	2490521	0.96	0.001
14903	ZBTB40	1980598	1.05	0.001
1781	NDUFB6	6480747	1.09	0.001
24017	HTRA3	780546	0.94	0.001
16352	WDR8	6290253	0.94	0.001
24820	ACTL6B	940386	0.92	0.001
503	INPPE5	3800753	1.05	0.001
3632	NOTCH1	6450022	0.97	0.001
4804	TNKS1BP1	6420114	1.06	0.001
9240	DCBLD1	1500768	0.94	0.001
14349	SERPINB7	580475	0.95	0.001
6600	DCTN1	2900154	1.04	0.001
11696	PAQR3	4210040	0.96	0.001
136	KRT222	150064	1.12	0.001
10638	NEUROG2	6200647	0.94	0.001
25245	SLC12A9	6480575	1.07	0.001
6209	ORMDL1	6400202	0.96	0.001
2099	KIRREL3	6280474	1.07	0.001
18174	5830405N2	2900307	0.95	0.001
20177	TCL1	2680438	1.04	0.001
4140	GPC4	5270491	1.07	0.001
22587	PIK3IP1	940180	1.07	0.001
5537	C11orf112A	6620707	1.04	0.001
3119	FGD6	940487	0.93	0.001
6571	ATG2B	2070138	0.97	0.001
3822	TCFAP2C	3780711	0.95	0.001
13171	KRT27	6200671	1.04	0.001
3744	ZFP385A	6960523	1.07	0.001
17619	CDH23	5960731	0.95	0.001
2946	CASP3	2690307	1.04	0.001
17712	OLFR1101	620458	0.95	0.001
18761	50314080C	6370504	1.07	0.001
15442	CD300LF	3170487	0.95	0.001
8393	DEFB19	2030088	1.05	0.001
10480	2310008HG	1770397	0.96	0.001
8044	UCP2	4920594	1.05	0.001
1842	RUNDC1	6250681	1.07	0.001

17676	1110008J0	2600605	1.06	8.68E-04
10908	TMEM47	6400634	0.90	8.70E-04
8997	KCNE3	4860184	1.03	8.76E-04
19725	ZFP449	6020300	0.95	8.83E-04
9547	CADM3	580673	0.89	8.84E-04
18470	ABCF1	2340246	1.05	8.89E-04
144	EVA3	5220181	1.05	8.92E-04
1103	RG51	4830072	0.93	8.95E-04
16395	JUN	7560291	1.09	8.96E-04
9916	H2-D4	5050451	1.05	8.96E-04
24174	DUS3L	6370543	1.07	8.98E-04
1463	ABI3BP	2810576	1.06	8.99E-04
13599	APOC1	1710066	0.95	8.99E-04
16651	HIST1H4H	7400377	1.10	9.00E-04
5153	ZDHC13	5560079	1.06	9.01E-04
4207	OLFR186	2120528	0.92	9.05E-04
12936	NDUFAB8	4220519	1.10	9.16E-04
9264	LOC100044	6580711	1.10	9.19E-04
502	STX10	7610468	1.05	9.29E-04
23391	NPR2	1580129	1.06	9.30E-04
1614	STGALNAC	5670592	0.95	9.39E-04
5651	NLN	5670112	0.92	9.46E-04
13685	NUAK1	6860309	0.85	9.47E-04
7769	OLFR1356	5960307	1.04	9.49E-04
22645	RNF185	6900543	0.95	9.56E-04
13413	2610024G1	10019	1.10	9.59E-04
1573	OLFR23	2810201	1.08	9.63E-04
9370	TMM9	610075	1.07	9.63E-04
13798	ARE	6660367	0.96	9.63E-04
1606	HMG1	1260274	0.88	9.63E-04
9817	4932417HC	5890327	0.93	9.66E-04
15870	GSS	1340020	1.06	9.74E-04
4569	PLEKHG5	6020327	0.92	9.74E-04
19630	CNNM1	5050246	1.05	9.78E-04
14684	BC066107	2810390	1.05	9.85E-04
10573	130000110	1050114	0.93	9.85E-04
20463	EV1	4730427	0.95	9.87E-04
5944	V1RE2	2470519	0.94	9.93E-04
7800	ADAM17	5900653	0.94	9.96E-04
4158	BC013491	1940246	0.96	0.001
11440	PNRC2	2850441	0.92	0.001
1162	ATP6V1H	5220139	1.09	0.001
11721	PRR14	5810280	0.93	0.001
4240	RAET1A	5870543	0.96	0.001
25116	FBXL12	4150440	1.10	0.001
5480	AKP2	7200717	1.06	0.001
12381	JMJD3	4920424	1.06	0.001
12231	OLFR117	6270523	0.95	0.001
20179	CDC20	4570088	1.05	0.001
1522	GRSF1	4890598	0.88	0.001
24869	TRPM6	5700364	0.95	0.001
15714	RALGAP5	3170482	0.96	0.001
7787	RCSO1	6400255	1.05	0.001
2565	NRCAM	4830040	1.06	0.001
14892	O910001L0	6550632	1.10	0.001
20074	MYST1	6370674	1.07	0.001
5547	PDE1A	7210632	0.90	0.001
6661	GRIK1	2260189	0.97	0.001
10919	SDCBP	1770328	1.06	0.001
1907	9430028L0	6560010	0.92	0.001
3512	DSG2	1740082	1.05	0.001
9249	BGLAP-RS1	3450521	1.04	0.001
4602	XLR4C	1850382	0.96	0.001
11090	TRCN1	2850154	1.04	0.001
22280	ZHX3	2100253	0.96	0.001
18733	CDK8	4890228	0.97	0.001
1960	A430107D2	670050	1.09	0.001
1751	CACNA1C	6960630	0.96	0.001
9035	TLR13	7320020	0.91	0.001
4276	DHX30	1260692	0.91	0.001
21631	SERPINB9D	7610184	1.05	0.001
11214	PODN	3290301	0.95	0.001
22350	NMKNAT2	6760091	0.95	0.001
21737	GALNT10	6400463	1.05	0.001
13532	RNASE9	2940692	0.97	0.001
737	SERPINB12	7650335	1.11	0.001
4300	PRNPIP1	6650215	0.90	0.001
860	ELMO1	1570239	1.05	0.001
7572	HERC3	2480243	1.05	0.001
6049	PRNPIP1	6860390	1.11	0.001
21842	PRPF38B	5090747	1.06	0.001
8639	ATP2B2	3170148	0.93	0.001
3395	AF366264	6480040	1.04	0.001
12915	FLCN	520039	0.96	0.001
15205	LTK	5340259	0.96	0.001
12080	NCL1	3830400	0.94	0.001
9855	BC046331	6270619	1.07	0.001
25357	NUBF2	540400	1.06	0.001
18471	AU040829	840360	1.07	0.001

14446	PPP2R5C	1240397	1.08	0.001
3133	DSRC1	3440615	0.94	0.001
10732	FBXW13	6130372	0.96	0.001
15666	CHRAC1	1500431	1.07	0.001
7704	MAFA	6400026	0.96	0.001
15544	SESN2	290669	1.05	0.001
23193	TRIM68	6650592	1.04	0.001
3309	SPN2	650630	1.07	0.001
17459	9930022N0	5050086	1.05	0.001
15373	ATP2A3	6370594	0.95	0.001
727	D10BWG13	1510482	0.91	0.001
13112	SHPRH	3840678	1.04	0.001
14953	PPP1R16B	840397	1.05	0.001
4592	EZH2	580458	0.95	0.001
2160	SLSA8	4540438	0.97	0.001
13559	LOC100039	6400050	0.96	0.001
9961	RRS1	6290189	0.96	0.001
7800	ADAM17	5900653	1.04	0.001
14526	PLA2G4A	1450553	1.04	0.001
21800	RCC2	3420605	1.05	0.001
5454	PIP4K2A	3140678	1.10	0.001
11405	VASH2	6980475	1.08	0.001
1568	UGT2A3	5720273	0.96	0.001
2541	INSC	3520397	1.06	0.001
2602	SNRPE	1690609	1.04	0.001
17318	DIS3L	2350170	0.96	0.001
78	CUTA	6980370	0.86	0.001
6847	BC030440	2470333	0.96	0.001
17442	1700018B2	1940010	0.95	0.001
7074	THAP7	270376	0.91	0.001
18731	HTR3A	4070608	1.06	0.001
13015	CHIA	5310152	0.97	0.001
8402	EHMT2	3610092	1.05	0.001
8665	9230110C1	2940438	0.96	0.001
22067	TBC1D2	5690343	1.06	0.001
17005	WDR31	580403	0.96	0.001
24610	AGGF1	3800546	1.04	0.001
12123	SYBL1	2450524	0.97	0.001
4568	BAT4	1660767	0.95	0.001
8597	CD7	7380088	0.94	0.001
13441	OLFR1098	4260520	1.04	0.001
679	CLEC1A	7550022	0.96	0.001
11691	CD151	1400630	1.16	0.001
2841	EBI2	2600377	1.08	0.001
5980	H2-M10.1	20707	1.04	0.001
23098	AQP3	3360161	1.04	0.001
16483	FBLN2	6040521	1.05	0.001
24751	ALDH18A1	4150168	1.09	0.001
12308	COG8	6510296	1.07	0.001
19007	TXNDC5	1990564	0.93	0.001
8972	OLFR965	160674	1.04	0.001
11008	TRPM3	5910689	1.03	0.001
5521	ITIC8	3710088	0.94	0.001
19497	MKLN1	6840537	0.94	0.001
15028	ZDHC24	6660487	1.05	0.001
16689	LRCH4	6020091	0.96	0.001
5794	BC048403	3170722	1.06	0.001
6530	CCDC122	6200184	0.95	0.001
8574	ARF6	7200358	1.07	0.001
18613	EIF4EBP2	4390047	0.93	0.001
4982	CTPS	5050577	0.95	0.001
16317	PGAS	7160301	1.04	0.001
4919	4933405O2	7210746	1.05	0.001
21048	CALCOXO1	1440113	0.95	0.001
4027	GFOD1	7050138	1.11	0.001
6462	1110012D0	6180736	1.06	0.001

10883	GSN	4260709	1.05	0.001
21238	ZFX	4200270	0.96	0.001
16273	LOC100047	2370132	0.95	0.001
11069	PET112L	1580333	1.08	0.001
21067	ARTN	240608	1.05	0.001
22968	OLFR872	990736	1.04	0.001
4700	RNP51	2750356	0.91	0.001
8801	ZKSCAN1	3450524	1.05	0.001
3558	PTGER4	6200670	0.95	0.001
17997	OLFR1	5960424	1.03	0.001
10352	ECE1	5700722	0.93	0.001
13840	RFNG	150725	0.95	0.001
12491	PLEKHF1	1660685	1.05	0.001
13704	CACNG2	3520411	1.08	0.001
7308	LOC225922	4570358	1.05	0.001
18640	DAPK1	4220731	0.94	0.001
18476	HIST1H1E	3190364	1.03	0.001
10203	MCTS2	1010379	1.04	0.001
23228	PRKACA	5690427	0.96	0.001
20173	PTPRM	2600367	1.03	0.001
17489	SCSD	4150747	0.96	0.001
4453	AKAP1	650735	0.96	0.001
25242	MYL2	2120356	1.08	0.001
410	MPO	6280168	0.94	0.001
1411	573041019	3850632	1.04	0.001
977	HIST1H2BC	270639	0.97	0.001
10462	TRAM1	5910431	0.94	0.001
1968	1700023B0	2680458	0.94	0.001
18000	HCCS	2070991	1.07	0.001
18853	RUNX3	1170241	0.96	0.001
25171	KIF5A	5490131	1.19	0.001
4495	D930036B0	4230132	1.07	0.001
10590	GPX1	1980301	1.13	0.001
12445	DIAP3	4830386	1.05	0.001
4016	OXR1	630037	1.06	0.001
13456	CENPK	4860600	1.07	0.001
1442	BC051142	6420593	0.94	0.001
8895	DNAJC14	2370594	0.95	0.001
10448	DOT1L	2710504	0.94	0.001
24883	AGTRL1	7510653	0.95	0.001
13889	4921211K0	3180465	0.95	0.001
5219	TRUB1	1660541	1.08	0.001
23898	ANKRD50	6100274	0.96	0.001
16837	MRPL3	160370	1.05	0.001
3240	GNB2	1170390	1.06	0.001
1776	ARFGAP3	1090427	1.09	0.001
2374	SDC1	6590541	0.96	0.001
3870	4930555G0	6100561	1.03	0.001
12494	BCKDHB	3520148	0.91	0.001
17412	5730410E1	4480221	0.88	0.001
2352	RG53	1400707	1.03	0.001
10842	TAZ	5130154	1.06	0.001
20687	281045300	3370367	1.07	0.001
7095	MAGEB18	2140121	0.95	0.001
1220	ZRSR1	6900195	1.05	0.001
1022	5830415L2	6550554	1.08	0.001
22110	TRPS311	4480288	1.08	0.001
19898	CXC1	70577	0.90	0.001
1789	OSR2	4900168	0.94	0.001
11753	V1RJ3	7570433	1.04	0.001
25398	ERG	3830180	1.04	0.001
20798	OLFR671	4570296	0.93	0.001
16519	493342100	4040546	0.95	0.001
4088	RFC4	3940458	0.95	0.001
2269	AI846148	6650632	0.94	0.001
22598	SUPT5H	7400546	0.89	0.001
3818	9130008F2	4200402	1.03	0.001
7143	ZDHHC9	3450427	1.04	0.001
1670	LOC100048	3870608	0.94	0.001
5513	SLC30A9	4280524	1.06	0.001
2933	PEAR1	6130044	0.96	0.001
3477	NFATC1	450491	0.95	0.001
8552	493057319	2340735	0.90	0.001
13710	DTX1	6860022	0.93	0.001
19359	ZNF/NND19	6650743	0.95	0.001
12294	NHSL1	50241	1.06	0.001
7310	IRAK1BP1	6220369	1.04	0.001
2892	MMPIA	6380427	1.12	0.001
17680	CDKL2	3440088	0.91	0.001