

Additional file 1: Significance Analysis of Microarrays (SAM) comparing TGCT cell lines versus HCT116 cell lines following cisplatin exposure. The positive significant genes (n=1180, red) are most highly expressed in TGCT cells, whereas the negative significant genes (n=614, green) are most highly expressed in HCT116 cells.

Current settings

Input parameters

Data type?	Two class unpaired
Arrays centered?	SANN
Delta	3,833
Minimum fold change	2
Test statistic	standard
Are data are log scale?	SANN
Number of permutations	300
Input percentile for exchangeability factor s0	Automatic choice
Number of neighbors for KNN	10
Seed for Random number generator	1234567

Computed values

Estimate of pi0 (proportion of null genes)	0.217329187
Exchangeability factor s0	0.090835634
s0 percentile	5.000420203
False Discovery Rate (%)	0

List of Significant Genes for Delta = 3,833

Positive genes (1180)							
Row	Gene ID	Gene Name	Score(d)	Numerator(r)	Denominator(s+s0)	Fold Change	q-value(%)
393	H200000451	IL1A	8,62139647	2,98623989	0,34637543	7,65955067	0
10320	H200016886	EXOC6	8,35666073	4,06656637	0,48662576	19,04075871	0
9563	H200015045	FYN	8,22642512	4,46694508	0,54299954	24,36684315	0
5433	H200007237	ANGEL2	8,12650564	1,81566189	0,22342468	3,51381061	0
10679	H200017770	BCL2L10	8,02743954	4,33229868	0,53968624	21,88783387	0
10712	H200017833	ASCL3	7,98473220	3,08388191	0,38622233	8,81467983	0
8232	H200012226	PCDHB5	7,91814462	3,77319780	0,47652550	12,80515004	0
6945	H200010040	LOC283075	7,85855289	5,22327716	0,66466145	33,81514721	0
10866	H200018251	ROCK1	7,83219174	4,51109817	0,57596881	22,14185962	0
10868	H200018257	USP6NL	7,80222454	2,62475216	0,33641074	5,99329996	0
11200	H200019213	GPC5	7,79792648	3,96120400	0,50798171	17,06471773	0
10924	H200018507	NF1	7,76612689	4,05201245	0,52175460	16,80132190	0
10911	H200018441	PIK3C3	7,76392043	4,05633717	0,52245991	17,73388510	0
8431	H200012718	HDGFRP3	7,71835198	2,86996055	0,37183592	7,32654443	0
10915	H200018453	VPS54	7,70773862	4,39217989	0,56984027	21,57955167	0
7139	H200010383	CXCL5	7,70547588	3,69052190	0,47894795	12,42466407	0
11284	H200019433	FANCE	7,64798451	4,24088489	0,55451013	18,82838098	0
9635	H200015192	SLC25A36	7,60620096	1,94589462	0,25583003	3,80433817	0
8589	H200013085	LOC730245	7,60562374	4,54066348	0,59701395	21,56735421	0
10869	H200018262	NAV3	7,60357987	3,93242668	0,51718095	14,93081504	0
9740	H200015431	PCDHB9	7,59725985	3,66289543	0,48213376	12,61150220	0
10833	H200018186	PRDM5	7,59306860	3,85580601	0,50780603	14,46559691	0
10559	H200017495	PCNXL2	7,57446409	4,40699444	0,58182261	20,42558634	0
8425	H200012700	DNAH5	7,57093380	4,28320055	0,56574270	20,75923446	0
11248	H200019349	FTHL17	7,56644343	4,36069802	0,57632071	19,99203391	0
10884	H200018324	SLC39A3	7,54054726	3,13887289	0,41626593	8,84109165	0
10990	H200018768	ZNF33A	7,46737802	3,24214968	0,43417511	9,63485952	0
1125	H200001343	TMEM55B	7,44373914	3,95900683	0,53185728	16,24584612	0
8376	H200012576	KERA	7,40548783	5,04824581	0,68168984	25,32584878	0
9370	H200014639	CLCA1	7,37410182	2,00584456	0,27201205	3,96736479	0
8845	H200013701	ZFP37	7,33307229	4,04206958	0,55121093	15,57528282	0
7807	H200011536	CLSTN3	7,31392260	3,01271485	0,41191506	7,68508615	0
10640	H200017622	FLJ13611	7,26907573	3,27616968	0,45069962	11,32961233	0
11826	H200021171	LOC254100	7,26081174	3,71954604	0,51227689	14,17677361	0
11287	H200019440	MAML2	7,25838631	3,81307262	0,52533338	13,99887533	0
10571	H200017515	PRKCA	7,22974942	3,15716813	0,43669122	9,29189965	0
10306	H200016786	DMXL2	7,21023568	3,96222959	0,54952844	14,59730406	0
10809	H200018136	DEPDC1B	7,19600699	3,68775098	0,51247185	12,76104316	0
10392	H200017105	OR12D3	7,19567219	4,62216375	0,64235330	22,12907991	0
2946	H200003793	ZNF488	7,19238673	3,17361264	0,44124611	8,71168703	0
10129	H200016423	SLC30A6	7,18468897	4,91813398	0,68452984	24,69298915	0
2605	H200003326	CHFR	7,17393312	2,83428679	0,39508130	6,38636913	0
6473	H200008941	MEGF10	7,16479623	3,76077210	0,52489589	13,77831372	0
8578	H200013051	PCDH20	7,14399206	4,63414870	0,64867775	20,82750540	0
10795	H200018097	NRIP1	7,14023776	4,42379568	0,61955860	25,40208636	0
10785	H200018031	LOC130951	7,13719863	2,99421676	0,41952269	7,57039940	0
11106	H200019053	SLC30A6	7,11128320	2,44676407	0,34406787	5,46588925	0
11428	H200019841	PDE3B	7,09185045	4,18881555	0,59065199	19,10275328	0

8744	H200013452	PIP5K2C	7.07144778	2.39514141	0.33870595	5.05054362	0
10742	H200017925	USP3	7.06738961	3.54130548	0.50107687	11.85164833	0
6666	H200009436	POM121	7.05830185	2.31148041	0.32748393	4.63241589	0
11189	H200019178	AKT2	7.03466729	3.10356331	0.44118125	8.82652181	0
11322	H200019516	PMS2L1	7.03293686	3.37909432	0.48046703	11.51304634	0
3101	H200004001	SENP7	7.02577838	3.74436166	0.53294617	13.58327847	0
9411	H200014717	C14orf118	7.02458407	2.54429458	0.36219861	5.67360027	0
7797	H200011524	DDIT4L	7.00946798	3.68090465	0.52513324	12.18030618	0
2555	H200003246	VGLL3	6.99883326	3.49545728	0.49943428	11.26757818	0
11183	H200019166	LOC92482	6.99541982	3.69661036	0.52843295	14.90055328	0
9221	H200014303	PCMTD2	6.99364500	2.55279927	0.36501699	5.81474069	0
484	H200000566	CSN2	6.98686784	3.22394282	0.46142891	9.97621782	0
8821	H200013651	ATPBD4	6.98517657	3.42963244	0.49098722	10.26498810	0
7765	H200011475	RPL1-35N6.1	6.98131821	4.82880949	0.69167589	24.42534830	0
8545	H200012984	RPL24	6.96875598	3.04668736	0.43719243	7.79873682	0
3111	H200004015	ZNF451	6.95062908	3.36909544	0.48471806	10.06139593	0
8032	H200011892	SH3MD4	6.93403757	3.65207098	0.52668751	13.47731844	0
7228	H200010523	WNT10B	6.92923526	1.89480069	0.27345019	3.72544351	0
10885	H200018326	IBTK	6.91423499	4.76531419	0.68920339	22.07313134	0
11233	H200019326	BTBD10	6.88657542	2.45353518	0.35627798	5.20640502	0
11719	H200020780	C17orf77	6.87215102	4.43228239	0.64496289	19.71142175	0
10982	H200018722	KRTAP4-14	6.87079327	4.01150558	0.58384897	15.95092023	0
11320	H200019513	PSG11	6.86778773	3.59414718	0.52333405	12.59786024	0
10902	H200018381	DKFZp667M2	6.86350091	4.27899148	0.62344153	17.60153116	0
8428	H200012710	DLL3	6.86278695	2.10247219	0.30635837	4.21249812	0
10737	H200017913	FAM91A1	6.84624209	3.21330536	0.46935316	9.56182685	0
11318	H200019509	BEX1	6.84254234	3.32068824	0.48530036	9.69962381	0
8745	H200013453	LOC727846	6.82598572	3.07345785	0.45025846	8.44216603	0
11067	H200018986	JMJD1A	6.81965651	2.62153174	0.38440818	6.15307610	0
11806	H200021089	TMEM25	6.81820119	3.13197268	0.45935469	9.51217202	0
1034	H200001225	C14orf132	6.80588498	2.89567344	0.42546611	7.44386716	0
11570	H200020254	SYNC1	6.80186892	3.44942803	0.50712945	11.24464886	0
10714	H200017855	ATBF1	6.78036933	2.99910704	0.44232208	8.28476517	0
9311	H200014481	SNX12	6.77272609	3.38514980	0.49982086	11.08084099	0
10429	H200017217	KCNMB3	6.76160521	2.72214528	0.40258862	6.29941349	0
10873	H200018274	UBE2D3	6.75485018	3.16236601	0.46816227	8.73885213	0
11771	H200020995	SKP1A	6.72633045	2.54862496	0.37890273	6.52028388	0
11739	H200020866	TFE3	6.72115666	4.11580497	0.61236558	16.17294292	0
9105	H200014096	FOXF1	6.72011862	4.15387550	0.61812532	16.16939084	0
10980	H200018719	KRTAP4-14	6.70636654	4.09208487	0.61017913	15.90353685	0
10336	H200016939	SYNE1	6.70454534	2.43149485	0.36266364	5.39768644	0
10175	H200016522	PLGLB2	6.69291189	3.60082993	0.53800647	13.18347687	0
923	H200001085	PSMD9	6.68699734	1.87408744	0.28025844	3.49131472	0
6832	H200009778	DEPDC6	6.67993687	3.70793318	0.55508506	13.44319911	0
11052	H200018945	ZF	6.67600951	3.16423099	0.47397041	9.34646796	0
7586	H200011161	STX16	6.67227779	2.38456187	0.35738348	5.31199660	0
10976	H200018687	DCK	6.65468998	2.51137393	0.37738406	5.90114119	0
8027	H200011876	TFEC	6.63658592	4.26731310	0.64299825	16.61291434	0
8249	H200012269	PIK3CA	6.62976818	3.44644371	0.51984377	10.95133068	0
8410	H200012669	AGMAT	6.62920557	4.07947882	0.61537974	16.89689486	0
9284	H200014424	LOC440896	6.60326258	3.48109489	0.52717802	10.91718600	0
7465	H200010966	LOC284019	6.60322341	1.57051837	0.23784117	2.93484440	0
10900	H200018379	DCAMK1.2	6.59592206	3.08190578	0.46724412	8.36705029	0
10402	H200017141	LOC651959	6.58242268	2.78428280	0.42298754	7.12013270	0
9533	H200014966	TEAD3	6.58178595	1.97795086	0.30051887	4.16071034	0
10455	H200017260	CRKRS	6.57549370	3.49822255	0.53200911	11.15679716	0
7159	H200010412	NCALD	6.56188878	3.36249222	0.51242479	10.49356513	0
9556	H200015019	SC65	6.55882133	3.31946709	0.50610726	9.79475446	0
11325	H200019523	GHR1	6.55226030	3.00853004	0.45915912	8.41177476	0
8388	H200012599	GSTCD	6.53789655	4.04367947	0.61849854	13.84278063	0
2927	H200003768	ZNF529	6.53296483	3.90850681	0.59827458	13.77488306	0
8825	H200013662	KIAA1217	6.52792603	2.24441687	0.34381775	4.54687043	0
3745	H200004941	LPXN	6.52574522	2.60946020	0.39987160	6.05804786	0
1551	H200001895	BCL2L13	6.51259680	1.50890252	0.23168984	2.86176674	0
9301	H200014461	PABPC5	6.50463699	4.43415608	0.68169155	43.58035143	0
11500	H200020047	FBXO10	6.50295673	3.24431510	0.49889846	9.40093076	0
5875	H200008009	RREB1	6.49250433	2.50897177	0.38644129	5.86519771	0
6122	H200008357	COL1A2	6.48119675	2.28118175	0.35196922	4.77648005	0
10475	H200017301	PPP3R1	6.47961289	1.88933547	0.29158153	3.84434161	0
11408	H200019779	PCNX1.2	6.47440432	2.31736103	0.35792652	4.64413261	0
11327	H200019526	USP48	6.46159037	2.13412941	0.33027928	4.39216565	0
1066	H200001262	AXUD1	6.45803458	1.38456159	0.21439365	2.61782318	0
5612	H200007598	FCRLB	6.45549667	3.45983562	0.53595189	11.04597778	0
6697	H200009493	CYBSR1	6.45111419	2.80569075	0.43491568	6.81814648	0
11444	H200019893	TM6SF1	6.43966504	2.22251417	0.34512885	4.76195984	0
7330	H200010677	C1QC	6.43785230	3.73375230	0.57996862	11.41485219	0
8099	H200012021	HDAC9	6.43772586	2.88856406	0.44869324	7.39148158	0
5661	H200007684	LCORL	6.42353645	3.20493715	0.49893656	8.69190899	0
8392	H200012617	TTL1.2	6.39967848	2.01055650	0.31416524	3.95834927	0
10333	H200016919	PKD2L2	6.39407283	2.92464067	0.45739871	8.20560509	0
11278	H200019415	SLC6A16	6.37983748	2.86412638	0.44893407	7.12294479	0
10987	H200018738	PHGDHL1	6.37731099	3.03837347	0.47643489	8.43394594	0
4170	H200005576	SFXN5	6.36518264	2.75645833	0.43305251	6.23375103	0
6937	H200010024	TMTC2	6.36055382	4.74026692	0.74526009	21.25279650	0
7408	H200010846	SOX17	6.35518478	2.87316841	0.45209833	7.60169275	0
9781	H200015528	LOC440248	6.35421702	2.89514561	0.45562586	7.66235042	0
10962	H200018604	NTN4	6.35209205	2.47733171	0.39000249	5.38731871	0
11802	H200021081	TPM1	6.34781590	2.91639628	0.45943303	7.72392731	0
7301	H200010632	EYA1	6.33922197	2.19216349	0.34580955	4.62044481	0
10648	H200017633	ADAM30	6.33811555	2.99829976	0.47305855	8.55787384	0
7597	H200011180	FNTA	6.33354242	3.08921629	0.48775489	7.90673515	0

8533	H200012964	TNKS	6.31892530	2,25449039	0,35678383	4,68710130	0
10927	H200018522	THADA	6.31237376	3,47034244	0,54976821	11,02372405	0
80	H200000090	IL10RA	6.30788096	3,23971362	0,51359777	10,59073829	0
10936	H200018553	PTK2	6.29889289	3,38271871	0,53703385	10,46260039	0
10228	H200016607	B3GALNT1	6.26383268	2,76283467	0,44107734	6,99478970	0
9939	H200015829	EML4	6.26221802	2,65162661	0,42343250	6,54664354	0
6978	H200010107	APTX	6.25835033	3,59669843	0,57470391	11,94075353	0
10914	H200018451	GRIK2	6.25455622	3,60711670	0,57671825	12,52222117	0
4704	H200006327	HLA-DRA	6.24241237	3,02674899	0,48486848	8,17659619	0
151	H200000176	DKK	6.24132636	2,91505853	0,46705754	7,56937066	0
3663	H200004822	P15RS	6.23303091	1,96658393	0,31551006	3,73315590	0
7696	H200011360	SPATA22	6.23039125	2,74748726	0,44098150	6,24857556	0
4589	H200006192	RB1	6.21716263	2,52006629	0,40534026	5,98746047	0
10878	H200018311	RANBP10	6.21496552	3,09473392	0,49794869	8,59672348	0
6012	H200008177	IL1RAP	6.21106892	2,69661083	0,43416212	5,99745134	0
10847	H200018209	LENG8	6.19656840	2,76249541	0,44581053	6,83250596	0
4227	H200005670	RBBP9	6.19252457	2,01025600	0,32462625	3,93856801	0
6426	H200008852	AEBP2	6.18133558	2,61486870	0,42302649	7,26745891	0
4394	H200005939	ITGA7	6.17730646	4,12269070	0,66739294	19,21392617	0
10950	H200018580	SLC24A3	6.17475003	2,82556332	0,45759963	6,72863032	0
1101	H200001310	NETO2	6.17338925	2,86509720	0,46410441	6,86135072	0
11705	H200020719	GUP1	6.17249806	3,41063875	0,55255404	10,65659376	0
10688	H200017782	ALS2CR13	6.16900591	3,09802877	0,50219254	8,71452613	0
10864	H200018246	PSPC1	6.16725963	3,57192010	0,57917460	11,19388050	0
1089	H200001293	C1orf98	6.16672722	3,99278373	0,64747209	11,53531589	0
8044	H200011916	MGC16385	6.16627208	1,81740197	0,29473269	3,45277321	0
10908	H200018431	RUFY3	6.15494748	3,51677409	0,57137353	13,32154046	0
2303	H200002911	SAP30L	6.14992636	3,76133867	0,61160711	11,05019877	0
7373	H200010748	ADAMTSL4	6.12730293	3,10694292	0,50706534	7,71796108	0
11870	H200021279	NFXL1	6.12647885	1,96026736	0,31996640	4,09339117	0
10942	H200018563	MKL1	6.11599665	2,47073566	0,40397924	5,49454879	0
11037	H200018907	TRIM27	6.11217822	2,75892789	0,45138211	6,96497555	0
10968	H200018632	KCNJ15	6.10526489	2,97080211	0,48659676	8,06352562	0
11773	H200021004	FLJ36166	6.10464391	2,96993238	0,48650379	8,17534696	0
901	H200001060	EXDL2	6.09685708	1,81344167	0,29743877	3,51080575	0
24	H200000023	ABHD14B	6.09098726	2,72950927	0,44812264	6,88903926	0
11285	H200019434	OPA1	6.08973909	4,06928851	0,66822050	14,27278000	0
9014	H200013962	EDEM1	6.08165526	2,03662566	0,33488016	3,96328547	0
10895	H200018360	ZNF559	6.08046915	4,02344161	0,66169921	14,91903463	0
3309	H200004309	HERC3	6.07812183	2,10219385	0,34586241	4,12378036	0
4090	H200005466	PCDH17	6.07660329	1,92276378	0,31642082	3,82719710	0
2156	H200002714	EDIL3	6.07643167	2,92799340	0,48186066	7,34205245	0
2877	H200003697	EVI5L	6.07591891	2,57499347	0,42380313	6,10558795	0
8372	H200012570	C1orf58	6.06191850	2,98364411	0,49219469	7,83282823	0
10294	H200016758	KLF12	6.05604349	3,29854539	0,54467003	9,58235522	0
9651	H200015236	L2HGDH	6.05139124	2,81525719	0,46522478	7,18390511	0
10910	H200018434	SMYD2	6.04679673	2,62474681	0,43407227	6,56421069	0
8104	H200012033	ZNF264	6.03581912	2,33580977	0,38699135	5,11194509	0
8583	H200013067	ZNF643	6.03550695	3,23814547	0,53651590	9,47731340	0
11205	H200019228	C1QTNF5	6.03510094	3,04051565	0,50380527	8,76727437	0
11077	H200019004	C1orf61	6.02124691	3,03241508	0,50361912	8,17032275	0
6037	H200008209	NAV3	6.01579618	1,56671828	0,26043407	2,89303012	0
11269	H200019399	C8orf72	6.00568844	2,43306679	0,40512704	5,10546915	0
5479	H200007308	ZNF230	6.00335118	2,80687571	0,46755148	7,81608283	0
11818	H200021128	FLJ21127	6.00261888	1,92894194	0,32135006	3,89563524	0
10970	H200018650	TCF7L2	6.00117582	2,92099958	0,48673788	7,57093140	0
6021	H200008189	EIF3S1	5.98978488	2,30803626	0,38532874	4,74565600	0
10416	H200017191	SLCO1B3	5.98628381	3,02802302	0,50582684	8,65298723	0
1126	H200001344	ERC2	5.98379104	3,10686032	0,51921270	9,07017912	0
10137	H200016442	MAPK14	5.97538707	3,85178768	0,64460890	11,91396995	0
7282	H200010598	LOC440895	5.97521373	2,93336298	0,49092185	7,92670958	0
7126	H200010366	PTPRG	5.97513464	2,67074377	0,44697633	5,87559389	0
8689	H200013335	LOC284561	5.97167153	1,92616876	0,32255102	3,92156884	0
8463	H200012802	LOC728190	5.97039228	2,33312596	0,39078269	5,06983228	0
10684	H200017778	FHL5	5.96603933	2,77943781	0,46587655	7,34232979	0
407	H200000469	MPQ	5.96478454	2,20487350	0,36964847	4,91292399	0
10149	H200016468	PTPRO	5.96042809	2,48971252	0,41770700	5,66323527	0
8415	H200012675	ALG11	5.96004665	2,53588221	0,42548026	5,80887902	0
4472	H200006031	PKIA	5.95952242	3,20147277	0,53720291	8,74229779	0
10314	H200016838	OR12D3	5.95546622	2,55698259	0,42935053	6,33197074	0
8505	H200012902	KIAA1542	5.95414113	3,16646873	0,53180949	9,11303368	0
8625	H200013163	CCDC71	5.95332344	2,55903525	0,42984986	5,93118322	0
10786	H200018033	PLCH1	5.94681634	2,92346345	0,49160144	7,82281592	0
3264	H200004238	OGFOD2	5.94324443	2,22376585	0,37416698	4,49289283	0
10017	H200016169	CD1E	5.93997235	3,07864090	0,51829213	8,12179748	0
4285	H200005771	HSPA4L	5.93514333	2,53436597	0,42701007	6,52644740	0
6613	H200009348	TPCN2	5.93013682	2,02044186	0,34070746	4,19763367	0
9804	H200015564	DENND1C	5.92963072	2,69709469	0,45485036	6,22768402	0
11042	H200018917	PLEKHM1	5.92832819	3,08139280	0,51977433	8,31021703	0
1774	H200002195	TMEM128	5.91596431	2,58331099	0,43666778	5,56956740	0
10887	H200018337	LOC647135	5.91249258	2,99714931	0,50691807	8,47188669	0
4316	H200005827	GNRHR	5.90258444	2,99239201	0,50696302	7,82858791	0
358	H200000414	GSTT2	5.90234147	2,07212187	0,35106777	4,26860008	0
8337	H200012502	C6orf199	5.90094616	3,89208333	0,65956937	25,03855012	0
8948	H200013865	KIAA0701	5.89882579	3,32813340	0,56420269	9,48619331	0
10535	H200017455	TMEM38B	5.89346977	2,13596226	0,36242864	4,65117395	0
10814	H200018147	PKP4	5.89202290	2,95994697	0,50236515	7,95491313	0
8841	H200013689	PCBD2	5.88554005	2,90026370	0,49277784	7,91664837	0
11781	H200021026	DIAPH3	5.88187499	3,55341236	0,60412919	11,40106433	0
8614	H200013134	ABCC9	5.87452897	2,83623970	0,48280291	7,13502150	0
7124	H200010364	NRL	5.86722296	2,98769360	0,50921767	8,26571152	0

7397	H200010817	<u>MTFR1</u>	5.86699700	2.95733273	0.50406242	7.68108705	0
2822	H200003624	<u>CCRK</u>	5.86418118	3.08094362	0.52538343	8.43336938	0
11130	H200019089	<u>APBA2BP</u>	5.84643761	2.36875927	0.40516284	6.04790922	0
11704	H200020718	<u>TPST2</u>	5.84081845	3.38380284	0.57933710	12.02543489	0
9746	H200015443	<u>PHC3</u>	5.83785012	2.79719244	0.47914770	7.20695458	0
6464	H200008920	<u>HRH4</u>	5.83470382	3.28811830	0.56354502	9.80443925	0
1080	H200001282	<u>SLC7A11</u>	5.83251714	2.65688447	0.45552965	7.65720695	0
228	H200000271	<u>REG1A</u>	5.83123352	2.87401406	0.49286554	8.09758452	0
5709	H200007762	<u>TAS2R1</u>	5.82629004	3.21011325	0.55097038	9.02393634	0
5036	H200006723	<u>STS</u>	5.81496075	2.52534968	0.43428490	6.02025858	0
11730	H200020839	<u>CAPN1</u>	5.81342213	3.69119708	0.63494393	14.97774219	0
2500	H200003177	<u>SCN1A</u>	5.81295814	3.07166478	0.52841681	8.22146034	0
2538	H200003224	<u>UGCGL2</u>	5.81183423	2.30288509	0.39624067	5.19185732	0
9510	H200014904	<u>ENTPD4</u>	5.80797330	1.85725770	0.31977725	3.60126833	0
8553	H200012997	<u>XPNPEP3</u>	5.80450909	3.17049739	0.54621284	8.45295085	0
3870	H200005125	<u>SCGB3A2</u>	5.80353653	2.26155573	0.38968579	4.30813126	0
3093	H200003991	<u>SLC19A2</u>	5.80323921	2.75293379	0.47437882	6.52176140	0
7275	H200010590	<u>ARHGAP24</u>	5.79976300	3.06253499	0.52804485	8.57947773	0
1079	H200001281	<u>HECA</u>	5.79526770	1.74861495	0.30173152	3.63850594	0
9015	H200013963	<u>VPS13A</u>	5.78698043	3.13064763	0.54098120	9.30822641	0
10830	H200018176	<u>CCL2</u>	5.77507512	2.79236459	0.48352005	6.70322752	0
10758	H200017959	<u>RFTN1</u>	5.76944417	2.69690201	0.46744572	7.03645443	0
1241	H200001489	<u>C16orf5</u>	5.76776769	1.55907067	0.27030747	2.92246740	0
1162	H200001390	<u>RBAK</u>	5.76431770	1.58877531	0.27562244	3.02947288	0
11732	H200020846	<u>C10orf112</u>	5.76231426	1.86014532	0.32281220	3.61497874	0
5687	H200007733	<u>STAT5A</u>	5.76110220	2.69870200	0.46843502	5.92193490	0
10164	H200016499	<u>MULK</u>	5.75936781	1.96639950	0.34142628	3.86035156	0
11194	H200019193	<u>C16orf70</u>	5.75695163	2.00294208	0.34791713	4.19394972	0
8613	H200013133	<u>C1GALT1C1</u>	5.75671713	2.48193467	0.43113716	5.78944788	0
3024	H200003900	<u>HPS5</u>	5.75513741	2.06109240	0.35813087	4.09700432	0
11207	H200019238	<u>FKSG83</u>	5.75040528	2.66764453	0.46390548	6.10590951	0
8122	H200012072	<u>COL17A1</u>	5.74616645	2.00577120	0.34960249	4.00512205	0
10896	H200018365	<u>IL1RAPL1</u>	5.74494530	2.91671940	0.50770186	7.59371244	0
10630	H200017600	<u>NUDT16</u>	5.73830604	2.60203655	0.45345029	6.54115534	0
7683	H200011334	<u>TMEM45A</u>	5.73710347	2.01014129	0.35037564	3.96926266	0
5034	H200006721	<u>KIAA1333</u>	5.73652780	2.93523705	0.51167486	7.25746374	0
9222	H200014304	<u>NOTCH1</u>	5.73367761	1.66075211	0.28964867	3.11516371	0
2535	H200003221	<u>KIAA1576</u>	5.73340468	2.72262723	0.47487093	6.38091511	0
7544	H200011080	<u>GOSR2</u>	5.73300098	1.65631246	0.28890846	3.07856816	0
10983	H200018723	<u>KRTAP4-8</u>	5.73271658	4.15066714	0.72403146	31.19454854	0
11799	H200021070	<u>RGS6</u>	5.73006415	2.62285229	0.45773524	6.49032380	0
11281	H200019422	<u>KIAA0408</u>	5.73006333	2.74267498	0.47864654	7.17963816	0
8283	H200012363	<u>C7orf31</u>	5.72958415	2.01243245	0.35123534	4.14099131	0
561	H200000661	<u>GLRA2</u>	5.72776319	1.64924368	0.28793852	2.92732710	0
8411	H200012670	<u>UHMK1</u>	5.72053303	2.38528710	0.41696938	5.38670741	0
6086	H200008308	<u>MEFAP3L</u>	5.72051329	3.23542639	0.56558323	8.51190430	0
8217	H200012206	<u>HEXA</u>	5.71412651	1.35608391	0.23732130	2.54997853	0
1100	H200001309	<u>C10orf9</u>	5.71089083	2.89976844	0.50776114	8.10843246	0
10917	H200018464	<u>SBNQ1</u>	5.71030854	2.77934050	0.48672335	7.07226755	0
10860	H200018231	<u>MPP5</u>	5.69785000	2.66441345	0.46761734	6.37670300	0
11755	H200020955	<u>SYMPK</u>	5.68261260	4.18521761	0.73649532	69.83094760	0
10409	H200017154	<u>RAB28</u>	5.67318992	2.95273112	0.52047105	7.08465504	0
10711	H200017831	<u>QR2S2</u>	5.66733107	2.84018372	0.50115013	7.64878444	0
9662	H200015257	<u>TAF7L</u>	5.66559505	2.79791723	0.49381176	7.20533192	0
753	H200000882	<u>FLJ40432</u>	5.66334887	2.08243965	0.36770464	4.51324202	0
464	H200000540	<u>EPS8</u>	5.66110601	2.28239793	0.40317173	4.93059361	0
11364	H200019657	<u>JAM3</u>	5.65396321	1.76668205	0.31246791	3.38616440	0
11010	H200018845	<u>ZNF3</u>	5.64621422	2.67424871	0.47363572	6.69066925	0
670	H200000789	<u>TMEM98</u>	5.64552056	1.79619589	0.31816302	3.30224935	0
5660	H200007683	<u>C1orf136</u>	5.63914546	2.56447157	0.45476244	6.06686778	0
9274	H200014398	<u>RPS6KA3</u>	5.63467119	2.26050543	0.40117788	4.92027390	0
10916	H200018454	<u>MARCH8</u>	5.63081482	1.41658381	0.25157705	2.67923596	0
11289	H200019446	<u>MYO1E</u>	5.62667846	2.76172602	0.49082706	7.01796379	0
5802	H200007901	<u>TTC33</u>	5.62444650	3.18283564	0.56589313	8.96656248	0
11707	H200020727	<u>REPS2</u>	5.61859751	2.41353855	0.42956246	5.30596225	0
7577	H200011142	<u>USP53</u>	5.61678680	2.64999964	0.47179993	5.44939419	0
569	H200000672	<u>HOXB2</u>	5.61507496	3.23604443	0.57631366	9.67884678	0
2677	H200003425	<u>PPCDC</u>	5.60219781	2.84503497	0.50784265	7.16914098	0
7381	H200010771	<u>LOC220930</u>	5.60189345	2.25649593	0.40280951	4.44773000	0
5068	H200006762	<u>F13A1</u>	5.60127663	1.90155746	0.33948644	3.79084513	0
7341	H200010697	<u>MYO7A</u>	5.60102698	2.12549360	0.37948283	4.50688046	0
9213	H200014292	<u>STK38L</u>	5.59780113	2.04363377	0.36507795	3.88182358	0
4008	H200005329	<u>GPR87</u>	5.59402858	2.75661921	0.49277889	7.88877707	0
11761	H200020975	<u>ZNF396</u>	5.58714921	3.00963650	0.53867122	9.01114019	0
9494	H200014871	<u>NUDT11</u>	5.58652953	3.21151480	0.57486760	9.62655378	0
11674	H200020517	<u>RETN2</u>	5.58450356	3.00710024	0.53847226	8.28929007	0
1828	H200002267	<u>COG3</u>	5.57740710	1.96252154	0.35186987	4.06525564	0
10051	H200016244	<u>CACNB3</u>	5.57138557	1.99407067	0.35791288	3.90361082	0
10373	H200017003	<u>C7orf28B</u>	5.56522955	2.41798976	0.43448159	5.68269818	0
5684	H200007729	<u>GRIN2A</u>	5.56325487	2.50400341	0.45009684	6.09613361	0
10619	H200017579	<u>TMEM68</u>	5.55746102	1.72169587	0.30979900	3.24945958	0
8061	H200011946	<u>MSH4</u>	5.55718993	2.49002590	0.44807284	6.01657294	0
9743	H200015439	<u>PURB</u>	5.55018566	3.20184352	0.57688944	13.06909540	0
7242	H200010537	<u>PITX2</u>	5.53922432	1.73622540	0.31344197	3.16781552	0
8885	H200013768	<u>ST18</u>	5.53829617	2.69649253	0.48688124	7.67819344	0
6899	H200009942	<u>CBLB</u>	5.53082903	2.82605180	0.51096351	6.97687341	0
3928	H200005201	<u>NKX3-1</u>	5.52056953	2.19925318	0.39837433	4.30541382	0
9924	H200015785	<u>CRNN</u>	5.51987805	2.77031518	0.50187978	7.24492918	0
1084	H200001287	<u>TRAK1</u>	5.51279788	2.22667557	0.40391025	4.68765996	0
4476	H200006035	<u>TYRP1</u>	5.51091886	2.32721143	0.42229100	5.76851547	0
11247	H200019348	<u>IFT81</u>	5.50770078	2.15668868	0.39157695	4.57260001	0

3487	H200004565	ZNF85	5,50760761	2,65550007	0,48215128	6,00462370	0
6986	H200010131	EDEM3	5,49612008	3,18279736	0,57909895	8,76586034	0
8900	H200013787	PRIC285	5,49109758	2,49975800	0,45523831	5,24774662	0
5788	H200007881	HS2ST1	5,48809393	2,34070581	0,42650615	4,81925571	0
7541	H200011073	ATP8B1	5,48358265	1,95734872	0,35694706	3,82694645	0
3773	H200004980	TBX19	5,48154064	2,69281005	0,49125059	6,74148324	0
10635	H200017608	FABP2	5,48113529	1,51129629	0,27572687	2,87284054	0
1387	H200001686	TMEM47	5,47993784	2,04783975	0,37369762	4,01593830	0
7021	H200010190	FAM38A	5,47740917	2,81178093	0,51334141	7,04843517	0
6711	H200009520	ERCC5	5,47287196	2,29556441	0,41944420	4,59179761	0
6831	H200009777	FLJ34870	5,46918857	2,79777480	0,51155208	7,15760226	0
9017	H200013965	ELF1	5,46698226	1,64954907	0,30172936	3,06933895	0
8239	H200012244	NUFIP1	5,46514960	2,42136221	0,44305507	5,11542485	0
7823	H200011558	ZNF398	5,46210841	2,26559606	0,41478416	5,27740133	0
9233	H200014318	CAMSAP1	5,45567014	1,46018312	0,26764505	2,81461243	0
8150	H200012108	PBX4	5,45502461	1,95613799	0,35859380	3,52739520	0
913	H200001073	FBXL5	5,45228018	2,17730783	0,39933895	4,64638433	0
8906	H200013797	LARP2	5,45166856	2,45459519	0,45024659	5,46111797	0
10949	H200018578	EEF1G	5,44400940	1,86920396	0,34335061	3,43172735	0
2408	H200003053	C9orf5	5,44248366	2,72875534	0,50138053	5,70953883	0
5445	H200007252	ZNF461	5,44183969	3,22747922	0,59308605	12,38235755	0
782	H200000920	IQSEC1	5,44090340	2,34663596	0,43129528	5,24370960	0
6806	H200009689	PNMA3	5,43756619	3,09908717	0,56994013	10,20325583	0
11532	H200020124	RBPSUH	5,43453656	2,99628901	0,55134214	8,00216060	0
8650	H200013232	PAX8	5,43249854	2,58892678	0,47656281	6,60611949	0
8692	H200013338	PPP1R3F	5,43002110	2,74207106	0,50498350	6,82249984	0
818	H200000962	LDB2	5,42551668	2,91269488	0,53685115	8,36512955	0
3447	H200004506	GUF1	5,42118287	1,64089128	0,30268141	3,06252314	0
10453	H200017258	C2orf37	5,41980716	2,50916377	0,46296182	6,08209760	0
10298	H200016771	EN1	5,41711284	2,73887426	0,50559668	7,10655119	0
10327	H200016900	TAS2R9	5,41544016	2,68799391	0,49635742	6,50628494	0
9609	H200015140	KIAA1446	5,41411205	2,51878557	0,46522598	6,08103071	0
6591	H200009295	CEP152	5,41116273	3,15861197	0,58372149	10,18363821	0
11867	H200021274	OR5F2	5,41076356	2,18758249	0,40430199	5,05521081	0
6499	H200009034	GRSF1	5,41050901	2,07832933	0,38412825	4,21337752	0
10263	H200016680	UGT2B7	5,40544483	2,28165036	0,42210224	4,65831341	0
8559	H200013005	LOC115110	5,40388137	1,74285172	0,32251850	3,48641214	0
8291	H200012380	METTL4	5,40144778	1,31828327	0,24406110	2,49159938	0
404	H200000466	HLA-DOB	5,40062262	3,04899065	0,56456280	11,51546816	0
11014	H200018860	PRDM15	5,39967534	2,40273653	0,44497796	5,22520491	0
5417	H200007199	SMPX	5,39892366	3,05826124	0,56645758	9,32000479	0
11086	H200019020	ZNF710	5,39875002	2,43924563	0,45181674	5,60742360	0
8141	H200012094	LOC144486	5,39500879	2,80828221	0,52053339	7,38724276	0
9953	H200015856	ARTS-1	5,39495171	3,09177938	0,57308750	7,67816566	0
9373	H200014642	DNA2L	5,39311239	2,63360937	0,48832829	5,72164967	0
8763	H200013502	WDR35	5,39133351	2,94701636	0,54662105	6,93505343	0
9561	H200015038	GAL3ST3	5,38653715	2,34521704	0,43538492	4,99526234	0
11282	H200019428	KAL1	5,38588315	3,17909057	0,59026356	6,95621481	0
9808	H200015569	CLEC4E	5,38496783	2,31903352	0,43064947	5,34623218	0
1133	H200001351	C2orf33	5,38055605	2,13978741	0,39768890	4,57951219	0
4037	H200005372	GSP2	5,37750582	2,38529362	0,44356877	4,87298403	0
11545	H200020151	CNTROB	5,37644858	2,33260444	0,43385599	4,83269474	0
10790	H200018048	PHTF1	5,37325786	2,30318291	0,42863808	4,97938487	0
7134	H200010377	AKAP6	5,35880386	2,55685477	0,47713162	6,30918578	0
11329	H200019530	HMCN1	5,35821833	2,77356171	0,51762760	6,60262985	0
9648	H200015224	ZNF696	5,35603822	2,23328344	0,41696555	4,64357255	0
10304	H200016781	MARK3	5,35403215	2,74465486	0,51263324	6,70200360	0
1009	H200001196	VARSL	5,34787252	1,54144048	0,28823433	3,01777817	0
11856	H200021241	ATG10	5,34590069	3,06957043	0,57419144	9,65023606	0
10643	H200017625	C10orf88	5,34564594	1,25012915	0,23385933	2,40828279	0
9598	H200015125	POU4F1	5,34507347	2,70906248	0,50683354	6,74519313	0
4994	H200006670	ZNF592	5,34396383	2,18067250	0,40806274	4,48800069	0
5484	H200007318	HAP1	5,34317394	3,09834235	0,57986927	8,93282919	0
10357	H200016973	C1orf63	5,33417221	2,31617024	0,43421362	5,38373300	0
4499	H200006062	CRH	5,33306320	2,56113692	0,48023750	6,26527010	0
8126	H200012076	SLC2A13	5,32989599	2,60647062	0,48902842	6,46555965	0
8705	H200013364	TRIM27	5,32596625	1,33102438	0,24991228	2,57357824	0
3426	H200004481	CCDC76	5,32479666	2,43207643	0,45674541	4,99211848	0
5616	H200007806	CCDC54	5,32267865	3,29072877	0,61824675	9,31875615	0
10289	H200016747	FLJ16542	5,32116566	1,64639205	0,30940440	3,10105504	0
2480	H200003149	KIAA1737	5,31972729	1,57033768	0,29519139	3,00945596	0
9566	H200015053	PRRG3	5,31951998	2,52702032	0,47504668	5,49021930	0
11774	H200021008	MGC72104	5,31751185	2,46023502	0,46266658	5,30219352	0
444	H200000515	TCN1	5,31668830	2,51758608	0,47352524	7,23637249	0
10886	H200018333	SLC41A2	5,31572210	2,32935017	0,43820014	5,55674387	0
5486	H200007322	CHST3	5,31442458	2,42639528	0,45656783	5,48474642	0
210	H200000249	MYH3	5,30995652	2,36193698	0,44481287	5,38119870	0
5256	H200006995	COL5A2	5,30863534	2,18973445	0,41248538	4,76161531	0
4494	H200006056	RMND5A	5,30625883	2,15456375	0,40604196	4,39925839	0
3944	H200005222	HEXIM2	5,30588737	2,21952390	0,41831342	4,60008808	0
8843	H200013697	ZMYM4	5,30317294	2,35232711	0,44356975	5,23517434	0
9082	H200014065	CYorf15B	5,29462247	1,44397533	0,27272489	2,69665391	0
7216	H200010499	CDSN	5,29443589	1,70311475	0,32168012	3,31268640	0
8768	H200013514	ZNF684	5,28867841	2,19346780	0,41474781	4,60090570	0
7056	H200010251	SPAG17	5,28709756	2,69918369	0,51052277	6,57219257	0
10791	H200018054	BTN2A3	5,28519129	2,22449074	0,42089125	4,89373686	0
3357	H200004383	CRYBB1	5,28023783	2,94292258	0,55734659	7,74300209	0
10981	H200018721	KRTAP4-10	5,27968582	4,17740733	0,79122271	34,00214336	0
7526	H200011047	GRIA3	5,27318443	1,79948607	0,34125225	3,68130898	0
9310	H200014479	GOPC	5,26793593	2,37163291	0,45020155	5,48502307	0
4948	H200006617	CCNG2	5,26674325	1,81216989	0,34407789	3,29736762	0

7780	H200011496	C1orf25	5,26403201	3,44382309	0,65421773	14,91554388	0
7338	H200010691	TCEAL1	5,26034917	2,63620958	0,50114726	6,82104149	0
2794	H200003581	MYCN	5,25455021	1,94375697	0,36991881	3,76969695	0
8721	H200013396	PRKD3	5,25409612	1,69229734	0,32209105	3,19815702	0
10872	H200018268	ZFAND6	5,25033746	2,35663093	0,44885323	5,21423691	0
7262	H200010569	NF1	5,24913333	2,32595211	0,44311165	4,54491888	0
7907	H200011678	IL17B	5,24823602	2,57179529	0,49003042	5,73092657	0
4187	H200005611	ITSN1	5,24714183	2,56966723	0,48972704	6,05875569	0
4230	H200005674	C1orf27	5,24712042	1,43856135	0,27416206	2,69374630	0
2181	H200002744	SLC36A1	5,24543421	1,53847941	0,29329877	2,90043768	0
6911	H200009965	LMBRD1	5,24450743	2,65827867	0,50686908	6,57620038	0
9902	H200015728	KCNH4	5,24385011	2,44096475	0,46549095	5,63893164	0
8036	H200011902	LRRC31	5,24262356	2,34315578	0,44694336	5,40765572	0
4121	H200005516	MTMR3	5,23947566	1,92950670	0,36826332	3,62685575	0
9208	H200014285	TMEM69	5,23631845	2,16027328	0,41255575	4,42583413	0
2721	H200003487	PGAP1	5,23599842	2,25688593	0,43103258	4,88186801	0
7240	H200010535	HMG2L1	5,23587625	2,44211599	0,46641973	4,94996373	0
4180	H200005599	TAOK2	5,23563681	2,45353788	0,46862263	5,27411390	0
7862	H200011610	SORBS1	5,23530727	2,39918095	0,45826937	5,22277875	0
11262	H200019386	AVIL	5,23436862	2,26984980	0,43364347	4,89142939	0
9737	H200015425	CEACAM21	5,23385453	1,83953498	0,35146850	3,90766093	0
11874	H200021293	TST	5,23379389	1,63757493	0,31288437	2,92805482	0
9715	H200015393	XPR1	5,23363681	1,97661820	0,37767584	4,13095277	0
7584	H200011154	KBTBD3	5,23233610	2,49208641	0,47628561	5,93436122	0
2967	H200003822	PPP2R3A	5,23031596	2,47525594	0,47325170	5,57576133	0
10794	H200018091	CLTC	5,22679954	1,72225528	0,32950475	3,31455109	0
8075	H200011973	REXO1	5,22265375	2,46684158	0,47233489	5,28225138	0
10163	H200016497	PACS1	5,21890619	2,15691911	0,41328950	4,39931547	0
10136	H200016438	KIAA1797	5,21781834	2,66512581	0,51077397	6,30422344	0
8676	H200013297	FAM55C	5,21711713	2,31522499	0,44377478	5,07066945	0
7174	H200010438	SPTLC1	5,21671959	1,58290701	0,30342957	2,99543820	0
3843	H200005082	SIX1	5,21555134	2,62540896	0,50338091	6,31103867	0
11717	H200020773	CNTNAP5	5,21451883	2,34488208	0,44968331	5,38469247	0
7833	H200011570	TMEM126A	5,21435048	1,67614664	0,321144879	3,10145937	0
9555	H200015017	SSH2	5,21034796	2,79998060	0,53738841	7,22090175	0
9859	H200015648	C6orf194	5,20720692	2,62003730	0,50315598	6,50535103	0
677	H200000796	FUSIP1	5,20295970	1,90717864	0,36655649	3,74205421	0
8262	H200012290	HNF4G	5,20144775	2,37043899	0,45572677	5,49521110	0
6956	H200010056	GPR161	5,20129297	2,02892400	0,39008070	4,28102420	0
7434	H200010906	ADPRHL1	5,19826811	2,06836954	0,39789559	4,32250206	0
8056	H200011937	GRK4	5,19246537	3,31782115	0,63896837	10,38224543	0
1971	H200002467	ANKRD13A	5,19037978	1,23996794	0,23889734	2,29363483	0
10370	H200016992	PCYT1A	5,18996777	2,14058275	0,41244625	4,08561095	0
10031	H200016210	ZNF445	5,18814937	2,37111024	0,45702428	5,15784319	0
1008	H200001193	Gcom1	5,18596031	2,11660333	0,40814106	4,18000365	0
1135	H200001354	FBXQ25	5,18261396	2,29777702	0,44336257	5,25279609	0
1005	H200001187	C1orf58	5,18211597	1,90491590	0,36759422	4,20323893	0
3199	H200004126	SNX1	5,18098105	2,33817086	0,45129886	5,06785651	0
8306	H200012423	ENTPD2	5,17843004	2,43136793	0,46951835	5,16997869	0
9	H200000008	MS4A2	5,17777860	2,60046217	0,50223510	7,59521974	0
9576	H200015081	NUDT12	5,17738754	2,36956088	0,45767501	5,23234891	0
6651	H200009410	ZNF300	5,17519203	1,70422524	0,32930667	3,22878733	0
7693	H200011353	SGOL1	5,17498422	3,00119804	0,57994342	7,40488310	0
4908	H200006576	RNF144	5,17287551	1,84719759	0,35709299	3,67452508	0
6980	H200010115	NSUN3	5,16696804	2,42393977	0,46912227	5,62307779	0
2833	H200003639	DPAGT1	5,16535265	2,51081677	0,48608816	5,31700607	0
5275	H200007016	ANKIB1	5,16437273	2,00693426	0,38861143	4,10138923	0
7980	H200011780	SLC30A3	5,16144654	2,55992126	0,49596973	5,52423124	0
7439	H200010927	LMAN1L	5,15387125	3,26011781	0,63255709	15,90486668	0
7445	H200010943	DDX3Y	5,15059916	1,93790506	0,37624847	3,63021045	0
3668	H200004827	LOC145783	5,14720838	2,87939012	0,55940811	6,88120588	0
5610	H200007596	ZNF446	5,14550048	2,17610836	0,42291481	4,50028103	0
8414	H200012673	RC3H1	5,14416868	2,43147701	0,47266666	5,67927103	0
5584	H200007549	LIM2	5,14416746	2,28384492	0,44396784	4,37133505	0
10975	H200018683	KIAA0232	5,13862054	2,17707721	0,42366958	4,55377596	0
6723	H200009543	VPS13C	5,13776561	2,30740574	0,44910685	4,78181499	0
10993	H200018797	ARSD	5,13192815	2,18176689	0,42513590	4,68273587	0
4156	H200005561	GAS1	5,13005082	3,21230202	0,62617353	10,79497691	0
3894	H200005154	RABGAP1	5,12942202	1,22779727	0,23936367	2,30892238	0
6042	H200008223	TMEM41B	5,12880477	1,64682672	0,32109366	3,09833743	0
7934	H200011714	SOCS2	5,12688301	2,58512458	0,50422929	5,51259429	0
11844	H200021203	ANKFY1	5,12527754	1,65886726	0,32366389	3,17096772	0
4979	H200006655	KIAA0232	5,12066793	1,94547454	0,37992593	3,72164065	0
9204	H200014279	SNAP23	5,11788953	1,78897555	0,34955337	3,48359940	0
8765	H200013508	HLA-A	5,11761971	2,74001133	0,53540737	6,24337360	0
11334	H200019564	KRTAP4-2	5,11661283	2,40380116	0,46980322	5,65889020	0
6133	H200008372	COL10A1	5,11646913	2,75214256	0,53789879	7,02909279	0
10780	H200018014	NEU3	5,11596946	1,71020670	0,33428790	3,42016578	0
10515	H200017394	PCDH11	5,11549709	1,50923621	0,29503217	2,86849445	0
11762	H200020977	VEGFA	5,11113237	1,21544482	0,23780343	2,29039346	0
1137	H200001357	INSIG2	5,10874864	2,27276817	0,44487767	5,31042318	0
7551	H200011097	ZNF354A	5,10595180	2,34714991	0,45968901	5,30941058	0
10859	H200018230	SLC28A3	5,10506931	2,30537637	0,45158571	5,06195204	0
8355	H200012538	NRG3	5,10355227	1,65855369	0,32498025	3,12047596	0
8327	H200012478	C2orf141	5,10333903	2,89433849	0,56714604	10,64734186	0
7753	H200011458	KIAA1799	5,10122481	1,82626093	0,35800440	3,35517402	0
9287	H200014427	LONRF1	5,09963548	2,21327769	0,43400704	4,75782271	0
7215	H200010498	TMS6F1	5,09956344	2,49062443	0,48839954	4,79632114	0
949	H200001117	SACM1L	5,09834628	1,87380513	0,36753195	3,45172147	0
6611	H200009343	IBRDC1	5,09709058	2,88355767	0,56572620	7,96886424	0
9858	H200015647	IGF1R	5,09378932	1,32995539	0,26109352	2,50394485	0

11265	H200019392	FLJ25371	5.09332886	1.38977213	0.27286126	2.57941118	0
8086	H200011989	KNS2	5.09209762	2.48703381	0.48841047	5.79734243	0
4097	H200005475	PIGK	5.09051933	2.52345957	0.49571751	5.24927878	0
5134	H200006845	PF4	5.08918415	2.78272259	0.54679149	6.47486817	0
10637	H200017612	DOCK5	5.08909547	1.88491462	0.37038303	3.83372011	0
7288	H200010605	USP49	5.08465241	1.87963144	0.36966764	3.27591144	0
7382	H200010772	GFR160	5.08362267	2.84903148	0.56043331	5.78182206	0
4013	H200005337	ROCK2	5.07986687	1.27705557	0.25139548	2.44837499	0
3261	H200004233	MCTP2	5.07914734	2.34764256	0.46221194	5.30370164	0
11703	H200020712	ZNF85	5.07625109	2.70660419	0.53318958	7.81137140	0
3852	H200005097	NKX2-5	5.07601057	1.30165170	0.25643203	2.41591378	0
8792	H200013576	SLC36A1	5.07092058	2.29498894	0.45257836	5.18505076	0
11559	H200020222	MAG	5.06585183	2.80049238	0.55281766	7.35369557	0
10754	H200017949	FNBP1	5.06572640	1.35831483	0.26813821	2.62281277	0
11778	H200021022	ATP8B1	5.06100371	2.32007953	0.45842281	5.35030247	0
11592	H200020321	ABCC5	5.06059366	2.29734033	0.45396657	5.28873177	0
5276	H200007017	C7orf36	5.06010078	1.74597570	0.34504761	3.14591712	0
11726	H200020820	OR7E5P	5.05877512	2.22426398	0.43968430	4.87255350	0
8130	H200012082	SPG20	5.05775739	1.30812361	0.25863708	2.46198600	0
11306	H200019485	TM2D1	5.05347414	1.96635830	0.38911019	3.86769550	0
3817	H200005045	INPP5F	5.05293431	1.54795316	0.30634738	2.95035404	0
9136	H200014156	CLEC7A	5.05008317	2.27321395	0.45013396	4.56526241	0
8394	H200012623	HOXB5	5.04987506	1.49667008	0.29637765	2.94863507	0
10192	H200016554	COMMD2	5.04858879	1.68614285	0.33398300	3.10704133	0
5283	H200007025	F8A1	5.04689723	1.71174519	0.33916783	3.28179119	0
9415	H200014725	PLAGL1	5.04673903	2.50013071	0.49539528	5.72262004	0
8135	H200012087	NR112	5.04619724	2.52616345	0.50060735	6.15761557	0
3282	H200004263	LOC152485	5.04618732	2.08542160	0.41326678	4.03222546	0
5259	H200006999	PIK3R4	5.04568779	1.31751598	0.26111722	2.57968942	0
4001	H200005317	TMEM112	5.04433688	2.58090386	0.51164383	5.78371217	0
3623	H200004765	BDKRB2	5.04419281	2.43894792	0.48351600	5.47878704	0
3614	H200004750	LDOC1	5.04381524	1.69806644	0.33666309	3.32675390	0
11315	H200019503	CKM	5.04324404	2.07186684	0.41082026	4.60280909	0
11576	H200020265	KIAA1914	5.04099726	1.58245135	0.31391633	2.98052716	0
2265	H200002858	CASP8	5.03789983	2.10939514	0.41870526	4.80520761	0
7805	H200011533	KLF2	5.03357083	2.16050900	0.42921995	4.47522683	0
10220	H200016598	MAPK8	5.02765288	1.15475377	0.22968049	2.21939690	0
4902	H200006569	ITPKB	5.02406465	2.24587339	0.44702319	4.58415776	0
5774	H200007863	COL4A5	5.02382545	2.67867109	0.53319350	7.52962246	0
8714	H200013382	GPA33	5.02377843	2.18763307	0.43545572	4.76348726	0
10725	H200017887	GD4	5.02260812	2.58955985	0.51558071	6.79913685	0
7135	H200010378	IL2	5.02226662	2.46620480	0.49105414	6.18150610	0
7642	H200011253	CMTM7	5.02182855	2.51697344	0.50120657	5.60815425	0
9641	H200015208	KLK4	5.02137974	2.67136611	0.53199842	6.53357372	0
5762	H200007845	GOLGA8G	5.01968802	3.40414847	0.67815937	13.92605191	0
8787	H200013565	MAP7	5.01965963	1.59703956	0.31815694	3.03846897	0
441	H200000512	GSTM3	5.01919038	2.22221771	0.44274426	4.74322474	0
5455	H200007268	DPF3	5.01336759	2.41327970	0.48136899	5.45331514	0
11274	H200019409	TLN2	5.01172190	2.29466277	0.45785916	5.27327970	0
1175	H200001407	GPS2	5.01141638	1.54297926	0.30789285	3.10042371	0
6237	H200008508	ELK1	5.00735575	1.49366204	0.29829357	2.71838761	0
9542	H200014983	PRKD3	5.00584592	2.15234843	0.42996698	4.54771224	0
11032	H200018899	PLDN	5.00566055	2.45518695	0.49048211	5.31613328	0
10775	H200018002	KCNK13	5.00197214	2.07192075	0.41422077	4.74983160	0
8149	H200012107	HLA-E	5.00183764	2.36090421	0.47200737	5.19387921	0
619	H200000727	EGR4	5.00035488	2.39133592	0.47823324	5.50941917	0
4373	H200005914	KLRC1	4.99563560	2.22866480	0.44612237	4.68131090	0
9006	H200013949	EDG1	4.99349456	3.12264660	0.62534295	13.92977932	0
3857	H200005106	PA2G4	4.992394257	2.24123031	0.44887965	4.91909234	0
11040	H200018914	LOC283970	4.99211730	2.55120155	0.51104600	6.03751501	0
10326	H200016899	TAS2R8	4.99043433	2.42720707	0.48637191	5.46147870	0
11295	H200019453	IGFBP7	4.99029364	3.18479131	0.63819718	19.93481130	0
415	H200000478	PGC	4.98888733	2.28233352	0.45748348	4.93855148	0
727	H200000850	FKBP10	4.98673577	1.43146764	0.28705504	2.69947290	0
8118	H200012067	ABCD2	4.98648144	2.98263373	0.59814396	11.15383966	0
9869	H200015662	TIA1	4.98323256	1.52068502	0.30516036	2.88837301	0
8667	H200013277	USP49	4.98166867	2.42934679	0.48765724	5.37151520	0
8336	H200012498	ACTR8	4.98104106	2.00035968	0.40159470	4.38034491	0
10763	H200017973	LONP2	4.97785583	2.18495654	0.43893528	4.39493977	0
3666	H200004825	DGKH	4.97273649	1.90230611	0.38254714	3.71227963	0
2771	H200003551	MBD2	4.97243467	2.38469002	0.47958197	5.15149880	0
10715	H200017858	THSD4	4.97090002	2.09997232	0.42245314	4.39460291	0
432	H200000498	CRYAB	4.96835377	2.12502019	0.42771113	4.38248903	0
6114	H200008343	SLC32A1	4.96747043	1.93833616	0.39020588	3.57338000	0
11736	H200020861	MYL3	4.95970237	2.25917182	0.45550552	4.81220804	0
5390	H200007157	SUV39H2	4.95822449	2.49782194	0.50377347	6.48031905	0
11198	H200019207	GFR174	4.95356427	2.26686858	0.45762373	5.06575903	0
10295	H200016765	WDR51B	4.95096568	2.25636930	0.45574327	5.06021401	0
482	H200000563	CSF3	4.94793955	1.43094045	0.28919926	2.62857469	0
10292	H200016753	POLI	4.94756060	2.21794015	0.44828964	5.18407908	0
5580	H200007539	STAR4	4.94668826	1.78483801	0.36081473	3.45667667	0
1103	H200001312	ACBD3	4.94646891	1.51699496	0.30668240	2.86929779	0
9668	H200015277	C3orf20	4.94561949	2.25384919	0.45572636	4.90211632	0
8266	H200012313	SPAM1	4.94411951	2.20480099	0.44594411	4.92181131	0
7227	H200010521	RAPGEF4	4.94083198	2.34510227	0.47463712	5.11955497	0
7045	H200010233	NKD1	4.93791291	2.37495320	0.48096296	5.42073028	0
8881	H200013764	CILP	4.93756596	2.42893881	0.49193040	5.46142765	0
9545	H200014992	LOC149692	4.93705638	2.46251998	0.49878304	5.71759563	0
9234	H200014319	SSTR2	4.93624994	2.48538685	0.50349696	6.97835346	0
311	H200000363	PSMB2	4.93620148	1.54593314	0.31318275	2.85075369	0
2424	H200003076	PBX1	4.92655032	2.69539901	0.54711691	5.29502467	0

7638	H200011248	SLURP1	4,92404059	2,86186069	0,58120169	6,85879108	0
8547	H200012986	REV1L	4,92262028	2,24499798	0,45605752	4,92702337	0
10881	H200018320	SH2D3C	4,92243032	1,60274073	0,32559948	3,00106436	0
11199	H200019208	MBNL2	4,91739702	2,16149613	0,43956104	4,41479915	0
2550	H200003240	CA1	4,91345412	2,33503333	0,47523255	5,17369650	0
4000	H200005316	PGLYRP4	4,90905456	2,63858265	0,53749304	6,06532025	0
7189	H200010462	RAB1F	4,90623203	2,32041567	0,47295270	5,00007757	0
3496	H200004577	TEAD1	4,90469288	1,12969285	0,23032897	2,20158253	0
6916	H200009979	NFKBIZ	4,90344972	2,11194011	0,43070496	4,49035451	0
11507	H200020061	TP53	4,90135838	2,06590187	0,42149578	4,18703860	0
11174	H200019156	EGR1	4,89931254	2,14743676	0,43831389	4,27111794	0
6174	H200008428	LPP	4,89799859	1,88422422	0,38469268	3,57440535	0
10316	H200016853	EPHB1	4,89547967	2,31840190	0,47358013	5,50917535	0
4025	H200005357	SLC6A16	4,89481474	2,54029954	0,51897767	5,87475153	0
10196	H200016560	C14orf104	4,89358833	2,00788052	0,41030842	3,94414761	0
2280	H200002880	06.mar	4,89093496	1,82923815	0,37400582	3,61581031	0
1068	H200001267	DKFZP564O0	4,88300901	2,63543518	0,53971540	7,81095660	0
9120	H200014122	RNF103	4,88174639	1,20199628	0,24622260	2,31229877	0
6828	H200009764	MAX	4,87987207	2,58004735	0,52871209	6,55283658	0
11396	H200019714	CPM	4,87876940	2,14328841	0,43930923	4,55542393	0
1187	H200001421	BTBD6	4,87589393	1,66396182	0,34126292	3,29180620	0
8382	H200012588	TMOD2	4,87451633	1,89952558	0,38968494	3,99195743	0
2330	H200002945	RBMS2	4,87052230	2,19046515	0,44973927	4,35600562	0
8946	H200013862	SH3KBP1	4,86494528	1,06190058	0,21827596	2,10199141	0
3281	H200004262	FYB	4,86356510	1,34149442	0,27582532	2,49983127	0
11070	H200018991	HSPA14	4,85649806	3,16947037	0,65262466	6,29683079	0
2889	H200003717	DJSC1	4,85642519	2,36461636	0,48690472	5,02397930	0
9978	H200015949	OR12D3	4,85480388	1,98009448	0,40786292	4,13776288	0
9758	H200015475	ISLR2	4,85435055	2,36001656	0,48616525	5,13272357	0
7601	H200011184	NTN4	4,85363370	1,84191580	0,37949213	3,84705731	0
8959	H200013882	PAK3	4,85152574	2,48834256	0,51289897	5,40052145	0
6829	H200009772	SLC24A3	4,85053019	2,41239579	0,49734683	5,15947931	0
11240	H200019337	S100PBP	4,84949438	2,51581503	0,51877883	5,66617554	0
11371	H200019676	LRP11	4,84792306	1,75472443	0,36195385	3,56793294	0
8024	H200011865	CCR8	4,84774242	2,39594210	0,49423874	5,47091142	0
11142	H200019104	EIF2C2	4,84618598	1,49571769	0,30863811	2,91076621	0
9397	H200014685	SEZL6	4,84591764	2,87952894	0,59421747	12,80958855	0
6930	H200010010	CCDC40	4,84145685	2,41353213	0,49851361	5,49902947	0
9625	H200015168	SOX7	4,83824144	1,91905734	0,39664357	3,89684485	0
7652	H200011277	CXCL11	4,83588340	2,62425874	0,54266378	6,03254993	0
3555	H200004664	C12orf53	4,83510863	2,02975433	0,41979498	4,32963311	0
8334	H200012494	SCN8A	4,83260450	2,01323621	0,41659445	3,85761094	0
8109	H200012044	PADI4	4,83071382	2,34203571	0,48482187	6,00505304	0
8782	H200013558	ZFP64	4,83055559	2,01331807	0,41678810	4,12355611	0
9496	H200014876	CARD6	4,83027870	1,87169219	0,38749155	3,80735928	0
8652	H200013236	PIGA	4,82678242	2,33150789	0,48303563	5,21374302	0
2125	H200002672	CCDC14	4,82478614	1,31030189	0,27157720	2,41589393	0
6448	H200008881	C20orf177	4,82458960	1,41214109	0,29269662	2,71031643	0
4091	H200005468	KCTD5	4,82441241	1,57887807	0,32726847	2,95381679	0
2404	H200003049	NELL1	4,82356777	1,94155862	0,40251505	4,23661356	0
10777	H200018006	PBOV1	4,82312756	2,15199553	0,44618259	4,54074087	0
9995	H200016077	GRM6	4,82091204	1,64838163	0,34192319	3,27201147	0
4581	H200006183	APOD	4,82019194	2,01998370	0,41906707	4,93600641	0
11447	H200019897	UGT3A1	4,81918420	2,25605375	0,46814018	4,76167054	0
9396	H200014684	LUZP2	4,81525435	2,29874681	0,47738845	4,91206349	0
2929	H200003771	CYB5D1	4,81371381	2,62858279	0,54660129	5,07686100	0
8965	H200013890	C6orf12	4,81303617	2,21687623	0,46059829	4,77882212	0
7641	H200011252	ARL6IP4	4,80975599	2,34587395	0,48773242	4,86912699	0
9650	H200015231	ADAM12	4,80831071	3,00886025	0,62576244	16,01704790	0
9485	H200014846	LRRRC8B	4,80760620	2,88413658	0,59991115	11,23226680	0
3656	H200004812	MANEA	4,80702308	1,56484022	0,32553208	2,97367810	0
8905	H200013794	CEP57	4,80564660	1,78932101	0,37233720	3,29243106	0
9687	H200015333	RDH11	4,80393102	2,24901481	0,46816135	4,98403247	0
5140	H200006852	CD160	4,79625207	2,35365487	0,49072793	5,03639676	0
10755	H200017951	STK11	4,79599617	2,13249175	0,44464000	3,74506667	0
4726	H200006356	DNASE1L1	4,79509561	1,45676118	0,30380232	2,58614045	0
10275	H200016708	C9orf39	4,79437718	1,63304247	0,34061619	3,25891341	0
8390	H200012608	CLEC5A	4,78657405	2,03015668	0,42413565	4,42138605	0
5869	H200008002	CHPT1	4,78613756	1,96005278	0,40952705	3,86092819	0
10237	H200016620	MRPS6	4,78583747	2,33121132	0,48710625	4,91365636	0
10972	H200018673	PDLIM5	4,78512680	2,23137577	0,46631487	4,90084582	0
487	H200000570	CXCL10	4,78389680	2,17671389	0,45500854	4,90593253	0
5971	H200008122	B3GNT2	4,78376441	1,24206412	0,25964157	2,36820317	0
6729	H200009557	CUGBP1	4,78327917	2,30752506	0,48241488	5,28948088	0
1779	H200002201	ACTR3B	4,78303703	1,45803431	0,30483442	2,70001612	0
10444	H200017244	PYCR2	4,77707408	2,17053484	0,45436491	4,22992410	0
8952	H200013872	PER2	4,77694527	2,01912742	0,42268171	4,33043727	0
9008	H200013952	TRAK2	4,77282507	1,85830637	0,38935145	3,86837822	0
5983	H200008137	DPYSL2	4,77135444	1,15150399	0,24133692	2,21245923	0
4055	H200005403	HTRA3	4,77119693	2,32912423	0,48816351	5,14251525	0
5211	H200006939	CXCL16	4,77045976	2,01082642	0,42151627	4,15661657	0
3099	H200003999	RPS6KC1	4,76890289	1,56557387	0,32828806	2,95097061	0
3361	H200004390	DMC1	4,76808704	2,46864456	0,51774318	5,62138198	0
11848	H200021211	ARID2	4,76153801	2,19186567	0,46032725	4,99102624	0
9798	H200015557	SMARCC2	4,76059181	1,64257874	0,34503667	3,12012017	0
6921	H200009988	NFIA	4,76024636	2,15334455	0,45235990	4,74710419	0
3342	H200004352	HBB	4,75982348	1,61026111	0,33830269	3,13110498	0
11722	H200020805	CES7	4,75144694	2,02338181	0,42584540	4,15847125	0
9482	H200014843	COBE1	4,75070388	2,21272784	0,46576842	4,89696929	0
110	H200000128	RAB5C	4,74958965	1,46231831	0,30788309	2,80110179	0
5954	H200008100	ZNF644	4,74736453	2,27748339	0,47973636	4,61131096	0

2740	H200003511	RAB27B	4,74720529	2,19557911	0,46249930	4,82105628	0
1405	H200001707	CCDC49	4,74709483	1,60152457	0,33736941	2,82883327	0
3895	H200005155	TMEM142A	4,74685097	1,72112918	0,36258336	3,09142820	0
11546	H200020153	MKRN1	4,74605011	1,76446664	0,37177581	3,48006291	0
10826	H200018165	OR51E2	4,74552717	2,07373332	0,43698692	4,34791459	0
10604	H200017557	CHML	4,74313939	1,80371102	0,38027789	3,70069097	0
6315	H200008631	KPNA5	4,74213997	1,61998785	0,34161536	3,24704618	0
2526	H200003209	XYLT1	4,73991695	2,51498210	0,53059624	6,64590234	0
8644	H200013218	ALOX12B	4,73188562	2,08029354	0,43963310	4,43808550	0
6480	H200008964	C16orf52	4,73135810	2,20754795	0,466657807	4,54367533	0
10967	H200018630	NLN	4,72899822	1,95716404	0,41386441	3,90919420	0
496	H200000581	RPN1	4,72671451	1,34926126	0,28554536	2,41127258	0
11712	H200020761	C14orf81	4,72629693	2,06857117	0,43767271	4,60684659	0
3037	H200003917	GOLPH3L	4,72420595	1,33792028	0,28320532	2,59610618	0
9928	H200015792	SLC17A6	4,71893355	2,11631324	0,44847278	4,46799485	0
10557	H200017489	ZNF223	4,71826789	1,48335967	0,31438649	2,86172061	0
8808	H200013621	OPA1	4,71641395	1,15545091	0,24498505	2,22143330	0
956	H200001126	GNE	4,71526871	1,50339414	0,31883531	3,04708555	0
6665	H200009432	NUBPL	4,71423309	2,05078419	0,43501968	4,89318467	0
1139	H200001359	C2orf30	4,70990122	1,67285306	0,35517795	3,00806110	0
11584	H200020289	SORCS3	4,70938781	2,47062213	0,52461641	5,83838183	0
10793	H200018087	CDH20	4,70652680	2,11018254	0,44835239	4,67483545	0
10662	H200017720	FLJ25006	4,70319434	2,83689949	0,60318568	10,17290603	0
10319	H200016882	HR	4,70234912	1,92697849	0,40979060	3,90276597	0
10438	H200017236	LIMK2	4,69465111	1,51617970	0,32295897	3,06409410	0
8025	H200011872	NRG2	4,69215420	2,11572221	0,45090637	4,45067230	0
7852	H200011595	PIGN	4,69158200	1,73214019	0,36920173	3,26829670	0
9829	H200015600	KIAA0143	4,69138920	2,36038271	0,50313087	5,15755037	0
8383	H200012589	SYN3	4,68586233	2,91238781	0,62152654	16,49109087	0
7047	H200010238	THBS1	4,68321052	1,93760407	0,41373414	3,82277005	0
1072	H200001271	FLJ32745	4,68212368	1,95128550	0,41675223	4,18029406	0
10458	H200017268	DOPEY1	4,67832471	2,22037792	0,47460962	4,60584039	0
10988	H200018743	TCAM1	4,67421701	2,11798241	0,45312026	4,41918936	0
8748	H200013461	C19orf6	4,67316674	2,16852422	0,46403742	3,88257879	0
11155	H200019121	RAB11FIP1	4,66952134	2,46745963	0,52841811	5,86005572	0
5685	H200007731	SNTG1	4,66915118	2,28326187	0,48901005	4,82863110	0
6137	H200000380	RAB20	4,66787467	2,51257813	0,53827026	4,85007738	0
4897	H200006564	FCGR2B	4,66677236	2,22778664	0,47737204	4,95981602	0
5227	H200009693	SLC35D1	4,66600235	2,10689201	0,45154114	4,20256687	0
3720	H200004908	C9orf52	4,66415382	2,30330693	0,49383168	5,04704745	0
10215	H200016592	FLJ14803	4,66304623	2,42378147	0,51978500	4,80673509	0
9969	H200015879	HIST1H3J	4,66229303	2,20517860	0,47298155	4,63159439	0
2855	H200003664	C2orf100	4,66159017	2,10980136	0,45259263	3,44605243	0
10118	H200016399	CCDC34	4,66089764	2,08114040	0,44651064	4,42138278	0
8580	H200013053	SLC4A7	4,65946067	1,75098792	0,37579197	3,21580929	0
6615	H200009353	TMEM134	4,65804001	1,19517227	0,25658265	2,19811573	0
11850	H200021215	BTBD8	4,65748418	2,49757979	0,53625084	5,64124351	0
3811	H200005033	MAFF	4,65740302	1,43568381	0,30825844	2,79246101	0
9490	H200014857	EPN3	4,65387097	2,09803453	0,45081493	4,36520729	0
2760	H200003539	C16orf30	4,65332378	2,20982230	0,47489115	4,72569786	0
6070	H200008279	ZBTB34	4,65257437	1,42416545	0,30610267	2,47824738	0
5927	H200008069	XPO7	4,65164474	1,25726966	0,27028497	2,39191456	0
7882	H200011646	KCTD12	4,65116547	2,33733883	0,50252756	5,92717421	0
5566	H200007509	P53AIP1	4,64904731	1,93641295	0,41651823	3,86467526	0
5619	H200007614	LOC153682	4,64711573	1,30323424	0,28043938	2,44526185	0
10324	H200016897	SSBP1	4,64422052	2,15074965	0,46310240	4,74660450	0
10947	H200018575	RAVER2	4,64243533	2,53815100	0,54672835	7,27007136	0
9246	H200014344	EBI3	4,64027064	1,52011560	0,32759201	2,69011903	0
3000	H200003867	C10orf46	4,63997073	1,58170648	0,34088717	2,84794531	0
10628	H200017598	MAS1L	4,63821561	1,88936986	0,40734843	4,12271970	0
10854	H200018219	HMGBl	4,63537362	2,44637460	0,52776212	6,42226867	0
3103	H200004003	CCNE2	4,63535436	2,24700467	0,48475359	3,95702626	0
7079	H200010290	MSL3L1	4,63508582	2,43807922	0,52600520	4,85468703	0
10768	H200017985	SERHL2	4,63430602	1,85024321	0,39924925	3,80304732	0
11851	H200021222	C15orf27	4,63222052	1,93687728	0,41813149	4,04231812	0
10007	H200016141	ABHD5	4,62930983	2,22105049	0,47978005	4,70652617	0
3098	H200003997	GFPT2	4,62823897	2,22387615	0,48050158	3,61757785	0
5881	H200008015	PTPRJ	4,62779456	1,99514053	0,43112124	4,10118408	0
3102	H200004002	TRIM5	4,62754067	1,88096595	0,40647205	3,51539383	0
6696	H200009492	C7orf28A	4,62638774	2,10133740	0,45420694	4,51079287	0
10198	H200016562	SLC22A8	4,62592460	2,12497771	0,45936281	5,20802424	0
6818	H200009733	ALMS1	4,62366585	2,38136024	0,51503727	5,19777611	0
2411	H200003059	TCF12	4,62267752	1,90007925	0,41103435	3,37146635	0
5242	H200006980	SELL	4,61909686	1,99913906	0,43279869	4,06937072	0
10891	H200018349	RAD50	4,61699537	2,21952714	0,48072977	4,95989142	0
9780	H200015523	HTR7P	4,61698449	1,38257332	0,29945375	2,63232836	0
10008	H200016142	LOC221272	4,61434681	1,96290505	0,42539175	4,31091094	0
7659	H200011290	CAP1	4,61328764	1,68547104	0,36535139	3,14775818	0
5458	H200007272	CHRNA10	4,60874874	2,13246165	0,46269861	4,57081440	0
7917	H200011694	EXOC6	4,60826575	1,96601737	0,42662847	4,13463093	0
5583	H200007548	RFX3	4,60595345	2,74366318	0,59656757	5,94483862	0
6135	H200008375	ANK3	4,60578350	2,90374260	0,63045573	12,86062598	0
5270	H200007010	COL15A1	4,60265569	2,12583191	0,46187072	4,48795966	0
8877	H200013757	BSND	4,60146483	1,52318309	0,33102135	2,68186496	0
8659	H200013257	PCDH21	4,59815735	1,33723720	0,29082023	2,52323383	0
10183	H200016534	NDE1	4,59671944	1,45676287	0,31691359	2,67639065	0
2520	H200003201	NFTN	4,59550189	1,84931698	0,40241894	3,78976569	0
1725	H200002110	ANKRD17	4,59352101	2,09203376	0,45543141	3,89056288	0
7621	H200011213	ALG10	4,59307986	2,36619201	0,51516457	5,43928874	0
6026	H200008195	DVL3	4,59300560	1,63847028	0,35673161	3,07692033	0
10054	H200016247	LRRRC62	4,59205998	2,43863465	0,53105462	6,14496306	0

11845	H200021206	OPA1	4,59179634	2,21991110	0,48345156	4,73041275	0
10825	H200018162	IDS	4,58730613	1,09475020	0,23864773	2,10334701	0
3434	H200004491	OSGIN2	4,58595286	2,87611460	0,62715747	10,21584050	0
10971	H200018654	CXorf45	4,58462544	2,12333455	0,46314243	4,61693954	0
11338	H200019573	PAIP2	4,58336481	2,14613994	0,46824550	4,54931575	0
2763	H200003542	ELOVL1	4,58174584	1,41122199	0,30800966	2,77288395	0
9291	H200014437	VTI1A	4,57974509	2,14618345	0,46862509	4,44245191	0
1808	H200002235	RP11-301117.	4,57530668	1,85649867	0,40576486	3,84711476	0
851	H200001003	IPO7	4,57430951	1,92528652	0,42089118	4,39470986	0
9525	H200014945	KCND2	4,57163098	2,08177626	0,45536839	4,53364940	0
899	H200001058	BAG5	4,57002662	1,91120733	0,41820486	3,94242534	0
9532	H200014964	PCDH7	4,56851902	2,53658673	0,55523173	5,87840306	0
5303	H200007050	ARHGD1B	4,56704654	1,72793676	0,37834884	3,13859388	0
8858	H200013722	CYP21A2	4,56579750	2,14545127	0,46989628	4,53327014	0
8594	H200013094	ALDH16A1	4,56543662	2,50110172	0,54783407	4,91134636	0
5332	H200007085	TSPAN8	4,56283575	1,60427163	0,35159531	3,04249493	0
8603	H200013114	HP	4,55722986	1,18070439	0,25908379	2,16520158	0
9983	H200015992	OR1D2	4,55717291	2,31622550	0,50825930	5,25572149	0
2738	H200003508	C5orf21	4,55442912	1,03545752	0,22735177	2,04565310	0
7137	H200010381	INSR	4,55392813	2,02221210	0,44405885	4,32261948	0
10323	H200016895	SSBP1	4,55191827	1,31627792	0,28916994	2,50976035	0
3370	H200004399	RFK	4,54906223	1,83991685	0,40446609	3,77271364	0
9999	H200016095	OR3A1	4,54684990	2,08236872	0,45798053	4,51550254	0
2981	H200003840	MRPS10	4,54491612	1,88741435	0,41528035	3,78961190	0
3084	H200003980	C3orf52	4,54046029	2,02721557	0,44647799	4,12569508	0
7455	H200010954	CMTM5	4,53986442	2,03659809	0,44860328	4,15225283	0
3456	H200004523	GDF8	4,53768762	1,42386183	0,31378578	2,71904748	0
8552	H200012996	SLC4A8	4,53743022	2,09775709	0,46232272	4,55136821	0
5830	H200007947	UBE1DC1	4,53571384	1,68185855	0,37080350	3,15700821	0
6130	H200008369	TRIM14	4,53415019	1,73634176	0,38294756	3,89145878	0
10638	H200017614	NOC2L	4,53295883	1,66908008	0,36820985	3,39284986	0
2352	H200002974	NLGN4Y	4,52696876	1,52933165	0,33782686	2,88355365	0
5459	H200002727	ZDHHC15	4,52537351	2,07737694	0,45905094	5,05556188	0
10925	H200018511	CDC14B	4,52002402	2,27753178	0,50387603	5,40590960	0
7130	H200010372	EPHX1	4,51884046	1,58385459	0,35050022	3,00212352	0
752	H200000879	REG1B	4,51872481	1,87599682	0,41516067	3,82072678	0
5058	H200006750	AFAP	4,51630788	1,11990179	0,24796843	2,17786424	0
9674	H200015293	YES1	4,51301397	1,93262192	0,42823309	3,99929592	0
3457	H200004524	PPAP2A	4,50998458	1,58018468	0,35037474	2,90142671	0
10963	H200018606	KCNIP3	4,50845525	2,44759899	0,54289083	7,60689756	0
11242	H200019340	USP38	4,50401417	1,41034971	0,31313172	2,76551636	0
6763	H200009625	ADH6	4,49658132	2,04954730	0,45580123	4,17143260	0
9597	H200015123	PIK3R2	4,49606568	1,66799210	0,37098927	3,05344891	0
7143	H200010391	GCKR	4,49521397	1,81013403	0,40268028	3,63342116	0
8779	H200013554	PART1	4,49358504	1,92901761	0,42928254	4,04947004	0
11790	H200021052	HLA-DMB	4,49208926	1,98990780	0,44298047	4,18093577	0
5093	H200006797	CLCN7	4,49062476	1,41795264	0,31575843	2,72626658	0
9177	H200014237	UNC5B	4,48941006	2,03120982	0,45244471	3,93197632	0
3484	H200004562	LOC644538	4,48842521	2,17532689	0,48465259	4,74944775	0
5383	H200007148	CD34	4,48735654	2,25472057	0,50246076	5,14947859	0
7437	H200010915	LOC158301	4,48231652	2,05841250	0,45922962	4,25073134	0
836	H200000986	CPD	4,48172198	1,32513911	0,29567633	2,47177121	0
10745	H200017933	NEBL	4,47934403	2,98814551	0,66709444	24,86839132	0
8562	H200013015	MIER3	4,47558279	2,02404840	0,45224242	4,45182185	0
11286	H200019436	PDE4B	4,47518473	2,03736768	0,45525890	4,55857185	0
11048	H200018937	LOC92154	4,47478107	1,14419913	0,25569947	2,24459195	0
11795	H200021060	PABPC1	4,47440126	1,97917136	0,44233211	4,42498147	0
8712	H200013380	AOC2	4,47087771	2,68536901	0,60063575	9,90569402	0
9688	H200015338	RNF5	4,47068549	2,10689785	0,47126953	4,42713605	0
8956	H200013878	C11orf1	4,46138706	1,91395700	0,42900492	4,17183778	0
3425	H200004480	ATF6	4,46093241	1,94892509	0,43688738	3,90568901	0
430	H200000494	RLBP1	4,45367426	1,27489761	0,28625749	2,38291010	0
4663	H200006275	CAPN2	4,45347434	1,23018085	0,27622947	2,28802849	0
4628	H200006235	PSMF1	4,45289012	1,99104485	0,44713541	4,17764640	0
6642	H200009395	C17orf51	4,45220927	1,72029095	0,38639041	3,29278999	0
5027	H200006711	E2	4,45141665	1,69308973	0,38034852	3,12934005	0
5744	H200007820	CD99L2	4,45135773	1,80162902	0,40473697	3,56473344	0
6116	H200008348	SNAPC1	4,44945244	1,79289987	0,40294843	3,66499127	0
3733	H200004925	BMP2K	4,44935777	2,53045716	0,56872414	6,01310016	0
9779	H200015518	NKX2-8	4,44852375	2,47939061	0,55735133	8,38172860	0
3292	H200004279	ID4	4,44296512	2,04830927	0,46102304	4,17257391	0
8110	H200012045	CTAGE5	4,44040761	1,71132127	0,38539734	3,33586671	0
10138	H200016443	LOC391722	4,43720212	1,96783930	0,44348652	4,26492715	0
11801	H200021080	ZNF333	4,43526069	1,51963561	0,34262600	2,72305652	0
5287	H200007030	GRM7	4,43339906	2,11475844	0,47700611	4,58913215	0
9697	H200015352	C12orf59	4,43164184	1,94750999	0,43945564	4,14979858	0
7956	H200011748	PIAS2	4,42889234	1,12820805	0,25473820	2,16643093	0
7396	H200010814	C14orf148	4,42459962	2,02894577	0,45856031	4,29683970	0
7172	H200010434	FLJ36840	4,42327177	2,45466542	0,55494339	4,45282903	0
10703	H200017802	SEPT5	4,42315670	1,24599558	0,28169827	2,24890637	0
10851	H200018215	MERTK	4,42084958	1,36081491	0,30781751	2,63097839	0
4796	H200006439	GGCX	4,42052739	1,89135227	0,42785670	3,75968594	0
5688	H200007734	CYP2C9	4,41583214	1,88150388	0,42680139	3,91412740	0
4275	H200005752	GNB3	4,41326085	1,54074814	0,34911785	2,90560900	0
10325	H200016898	TAS2R7	4,41218810	2,07930551	0,47126402	4,20113944	0
11105	H200019051	ETFDH	4,41011272	1,91996181	0,43535436	4,15313452	0
6833	H200009780	SEMA4A	4,40936326	2,28747009	0,51877560	4,91671941	0
6703	H200009504	MMP25	4,40911687	1,88950171	0,42854426	4,01859357	0
11749	H200020933	ANAPC5	4,40903800	1,62491029	0,36854078	2,96488713	0
10880	H200018317	C9orf106	4,40399866	1,88546542	0,42812579	3,97160204	0
10820	H200018157	PPP1R3C	4,40317296	1,89799424	0,43105148	4,12260383	0

11868	H200021275	<u>QR5P3</u>	4,40196276	1,86746741	0,42423517	3,92385884	0
608	H200000714	<u>S100P</u>	4,40183355	1,37822680	0,31310289	2,74357028	0
10675	H200017766	<u>PCDHB4</u>	4,39963039	1,87126713	0,42532371	3,92972333	0
9887	H200015691	<u>SC4MOL</u>	4,39936618	1,86023959	0,42284264	3,85063386	0
6187	H200008445	<u>CYP4F12</u>	4,39728519	1,69005391	0,38434030	3,13102676	0
312	H200000364	<u>EGR2</u>	4,39516667	1,88574204	0,42904904	4,01494517	0
10518	H200017404	<u>IKZF2</u>	4,39417788	1,86916067	0,42537210	3,84799412	0
11261	H200019385	<u>ZNF493</u>	4,39203097	2,01424033	0,45861251	4,22437900	0
6837	H200009799	<u>MGC34824</u>	4,38358257	1,81784039	0,41469286	3,68203792	0
8091	H200011999	<u>OIP5</u>	4,38348116	1,40116570	0,31964679	2,70608066	0
5143	H200006857	<u>MGST2</u>	4,38153220	1,68850523	0,38536867	3,75417846	0
9590	H200015113	<u>IFNA2</u>	4,38066886	2,57091873	0,58687813	9,47879223	0
3335	H200004344	<u>CCNDBP1</u>	4,37955977	1,58903476	0,36282979	2,90014303	0
11757	H200020957	<u>WBSR17</u>	4,37903479	1,94173285	0,44341572	4,32994868	0
5777	H200007866	<u>SQCS5</u>	4,37630518	1,06691383	0,24379329	2,02939961	0
2848	H200003657	<u>KIF21A</u>	4,37596839	1,69686582	0,38776921	2,97498092	0
10104	H200016342	<u>ZNF442</u>	4,36355593	1,96988379	0,45144002	4,51437664	0
11839	H200021198	<u>DONSON</u>	4,36277959	1,60258656	0,36733154	3,20068019	0
6660	H200009426	<u>MYLK</u>	4,35822889	1,77790080	0,40794113	3,50916834	0
10978	H200018708	<u>MCM3APAS</u>	4,35578389	1,79742542	0,41265257	3,76810020	0
6360	H200008710	<u>ZDHHC21</u>	4,35541853	1,50194319	0,34484474	2,83602468	0
5373	H200007137	<u>IGF1</u>	4,35513167	1,85377962	0,42565409	3,76535241	0
6823	H200009749	<u>SETBP1</u>	4,34465659	1,29743715	0,29862824	2,41670028	0
7843	H200011584	<u>ZNF22</u>	4,34114679	1,94642227	0,44836592	4,51566200	0
10906	H200018426	<u>ASTN2</u>	4,34064336	1,95670562	0,45078700	4,17947263	0
9486	H200014847	<u>UBE1</u>	4,33994333	2,00717235	0,46248815	4,85382572	0
10620	H200017582	<u>KIAA1456</u>	4,33961530	3,11767089	0,71842103	16,56056017	0
9914	H200015767	<u>MIA3</u>	4,33841072	1,60313286	0,36952077	3,03341290	0
788	H200000926	<u>GATAD2B</u>	4,33777337	1,16617823	0,26884259	2,17090834	0
2546	H200003236	<u>ACAD11</u>	4,33659299	1,52902651	0,35258704	2,67734700	0
6838	H200009800	<u>LOC197135</u>	4,33623418	1,93488966	0,44621429	4,02856128	0
1822	H200002257	<u>PRPSAP2</u>	4,33327135	1,33196471	0,30738087	2,34375243	0
7572	H200011134	<u>ARSF</u>	4,33184037	2,04033139	0,47100798	4,07627187	0
7053	H200010248	<u>TMEM28</u>	4,33012914	1,73526632	0,40074239	3,48022650	0
10509	H200017353	<u>PMS2L5</u>	4,32803834	1,75905635	0,40643271	3,46039055	0
7540	H200011072	<u>MLLT4</u>	4,32787193	1,60224913	0,37021639	2,98564714	0
10457	H200017263	<u>TNPO2</u>	4,32541742	1,84951465	0,42759218	3,81083262	0
10877	H200018303	<u>DOCK1</u>	4,32533459	1,83105167	0,42333180	3,78813169	0
11220	H200019293	<u>C12orf48</u>	4,31916304	1,95256425	0,45207005	5,33013244	0
11741	H200020869	<u>C1orf165</u>	4,31505810	1,92788887	0,44678167	3,90114629	0
8436	H200012728	<u>GEMIN4</u>	4,31227488	2,18171143	0,50593051	4,70601447	0
435	H200000503	<u>CCNF</u>	4,30909985	1,73844967	0,40343685	3,36391348	0
2241	H200002822	<u>ASB9</u>	4,30819941	1,26765861	0,29424325	2,31868489	0
7033	H200010210	<u>C1orf113</u>	4,30611685	1,08917793	0,25293738	2,12512820	0
7611	H200011200	<u>TKTL1</u>	4,30395934	2,10617950	0,48935860	4,66151409	0
4356	H200005892	<u>KIAA-DQB1</u>	4,30377902	1,99424307	0,46337023	4,72771474	0
2407	H200003052	<u>TMEM55A</u>	4,30374985	1,29471406	0,30083395	2,34821984	0
7923	H200011701	<u>PFAAP5</u>	4,30013807	1,79864512	0,41827613	3,71344730	0
10698	H200017796	<u>GLT8D1</u>	4,29864748	1,20280164	0,27980932	2,24009965	0
2487	H200003161	<u>MYO6</u>	4,29649589	1,69549620	0,39458170	3,32987746	0
6809	H200009698	<u>KIAA1026</u>	4,29603593	2,09047476	0,48660551	4,53036108	0
9317	H200014505	<u>UGT1A6</u>	4,29599462	1,83601396	0,42737809	3,96927448	0
9312	H200014486	<u>ZNF34</u>	4,29596857	1,67374365	0,38960798	3,37500149	0
11305	H200019484	<u>DYNC1H1</u>	4,29456891	2,02041002	0,47045700	4,58530950	0
10024	H200016194	<u>CBX8</u>	4,29450964	1,59223138	0,37075976	3,25093041	0
9977	H200015946	<u>QR2W1</u>	4,29278114	2,02890737	0,47263238	4,49316575	0
3283	H200004265	<u>AS3MT</u>	4,29193382	2,00189239	0,46643133	3,70919167	0
7392	H200010797	<u>C6orf105</u>	4,29114382	1,30995005	0,30526827	2,52412664	0
655	H200000773	<u>FAM63A</u>	4,28597737	1,10540007	0,25791085	2,14197452	0
9763	H200015491	<u>DNER</u>	4,28353945	1,69986412	0,39683634	3,35645083	0
10026	H200016201	<u>WDR76</u>	4,28313866	1,26628284	0,29564367	2,38786001	0
4328	H200005847	<u>EYA4</u>	4,28001333	1,53723089	0,35916498	2,88287809	0
4342	H200005866	<u>GNAI3</u>	4,27911694	2,05617996	0,48051502	4,11634629	0
1267	H200001517	<u>ERBB4</u>	4,27655019	2,03348700	0,47549705	4,28883994	0
6827	H200009762	<u>HS2ST1</u>	4,27450502	1,83222988	0,42864142	3,73236839	0
11276	H200019412	<u>AKR7A2</u>	4,27434111	2,14941676	0,50286505	4,82922561	0
10065	H200016258	<u>RSF1</u>	4,26712354	1,85385558	0,43445088	3,88180416	0
11123	H200019079	<u>SMURF2</u>	4,26587546	2,51559810	0,58970266	10,45250858	0
9819	H200015588	<u>IGSF4</u>	4,26469311	2,31139344	0,54198353	6,74466428	0
8359	H200012544	<u>GHR</u>	4,26015591	2,01033200	0,47189165	4,25861447	0
10861	H200018234	<u>SLC30A5</u>	4,25770161	1,84364410	0,43301393	3,67960443	0
9941	H200015837	<u>ELOVL2</u>	4,25441165	1,99246575	0,46832933	4,23347185	0
4946	H200006615	<u>DHPS</u>	4,25431490	1,32944043	0,31249225	2,36625101	0
7040	H200010225	<u>FOXI1</u>	4,25293216	1,55653331	0,36599063	2,89875391	0
4065	H200005420	<u>OSBPL11</u>	4,25037124	1,45319554	0,34189850	2,75995648	0
9205	H200014281	<u>CAMK1</u>	4,24576373	2,44099724	0,57492536	5,86684296	0
11097	H200019038	<u>ATG9A</u>	4,24564343	1,83305974	0,43175075	3,15569794	0
8747	H200013458	<u>PGBD1</u>	4,23809223	1,70774529	0,40295142	3,48457018	0
1650	H200002014	<u>ANKRD44</u>	4,23190572	2,07071543	0,48931039	4,26730131	0
3174	H200004093	<u>ELMO1</u>	4,22701455	1,39765464	0,33064817	2,71116458	0
11550	H200020157	<u>SYNCRIP</u>	4,22632259	1,71624662	0,40608510	3,63735424	0
10832	H200018183	<u>CTNNB1</u>	4,22310819	1,81448167	0,42965550	3,63436473	0
2515	H200003195	<u>TMOD3</u>	4,20945350	1,77618559	0,42195159	3,48351635	0
11784	H200021032	<u>DENND1B</u>	4,20855753	1,84443763	0,43825886	3,87871399	0
3855	H200005103	<u>DGKE</u>	4,20637184	1,42904844	0,33973422	2,69677521	0
11177	H200019159	<u>SULT1A4</u>	4,20359098	1,14791709	0,27308011	2,22150526	0
4425	H200005979	<u>AP2B1</u>	4,20243913	1,69028817	0,40221598	3,21238403	0
10894	H200018354	<u>HMGCLL1</u>	4,20210447	1,81918866	0,43292324	3,78615240	0
6492	H200009016	<u>FNDC3B</u>	4,20169375	1,83339443	0,43634652	3,76001752	0
9855	H200015644	<u>GDA</u>	4,20008490	1,23270780	0,29349593	2,41611302	0
6602	H200009320	<u>OTX2</u>	4,19991567	1,74856404	0,41633313	3,28892785	0

11738	H200020864	C6orf142	4,19736410	2,00820714	0,47844483	4,67889030	0
10743	H200017926	SLC38A2	4,19182730	1,21428049	0,28967808	2,36789982	0
8116	H200012059	CCBP2	4,19101575	2,04546171	0,48805870	4,08854078	0
5815	H200007920	C14orf100	4,19009018	1,83701887	0,43841989	3,35309896	0
2467	H200003135	LOC56757	4,18798533	1,74888182	0,41759502	3,48787961	0
9557	H200015021	GREM2	4,18755476	1,91104780	0,45636366	3,90657310	0
2924	H200003764	KIAA0984	4,18514620	1,93081128	0,46134859	4,08216069	0
8356	H200012540	HPS6	4,18327812	1,31264490	0,31378380	2,37389920	0
9249	H200014349	DEGS1	4,18123304	1,57871986	0,37757280	2,90395523	0
10391	H200017103	SLC43A3	4,17962667	1,35715535	0,32470731	2,70031795	0
9922	H200015781	LY6G6C	4,17681629	1,75009443	0,41900201	3,72109249	0
8576	H200013046	ZIC2	4,16723221	1,77530508	0,42601540	3,13880345	0
8039	H200011910	FZD6	4,16374793	1,28198515	0,30789211	2,32242957	0
11654	H200020472	PRKCB1	4,15975707	1,10205101	0,26493158	2,14624443	0
5353	H200007111	TMEM56	4,15975462	1,78755361	0,42972574	3,62996442	0
8454	H200012779	CHIA	4,15877985	2,26577655	0,54481762	7,44189322	0
3251	H200004213	NOVA2	4,15799871	2,11824875	0,50943937	5,18279437	0
11293	H200019450	MNT	4,15690880	1,57624772	0,37918747	3,18990866	0
5844	H200007970	EFHC2	4,15614402	1,71701061	0,41312587	3,42611223	0
11249	H200019358	RAB6A	4,15225489	1,57476564	0,37925553	3,33969052	0
10991	H200018770	RASGEF1B	4,14845798	1,96216627	0,47298690	3,94535309	0
1249	H200001497	PNMA2	4,14449780	1,95257713	0,47112515	3,99458181	0
2174	H200002736	GLYAT	4,14391432	1,76300990	0,42544555	3,54660698	0
2306	H200002914	IGFBP6	4,13870429	1,37580771	0,33242474	2,47982015	0
9460	H200014802	PTRPR	4,13723336	2,17682614	0,52615503	5,07287731	0
8989	H200013921	TRAM2	4,13433820	1,11231427	0,26904288	2,18619462	0
10784	H200018030	CCRL2	4,13337957	1,94895716	0,47151662	4,05011838	0
5718	H200007774	GALNT5	4,13199482	1,55856808	0,37719507	2,97735072	0
8981	H200013912	SMAD6	4,13167278	1,96108908	0,47464772	3,81983751	0
3142	H200004054	NHLH1	4,13162258	1,84141572	0,44568827	4,22796182	0
8177	H200012145	KIAA0408	4,13108326	1,96948304	0,47674736	4,72865125	0
5836	H200007959	VGF	4,13035816	1,37119147	0,33197883	2,66725471	0
9673	H200015292	BRWD1	4,13018787	1,72496108	0,41764712	3,47063357	0
17	H200000016	PIGA	4,12943355	1,31210039	0,31774343	2,65832772	0
8996	H200013931	MLANA	4,12775553	1,94408577	0,47097890	4,04791182	0
11099	H200019042	FAM54B	4,12719269	1,67307420	0,40537826	3,03151360	0
9937	H200015823	TIMP3	4,12683081	1,23658094	0,29964421	2,39528758	0
5468	H200007289	PTPRD	4,12641150	1,85871003	0,45044224	3,62554827	0
2933	H200003778	C3orf29	4,12589553	1,60572974	0,38918332	2,99009454	0
2287	H200002890	TFIP11	4,11723199	1,89408973	0,46003959	3,82378171	0
9704	H200015370	CDIPT	4,11720497	1,07314338	0,26064852	2,04231051	0
9134	H200014154	ZNF132	4,11622211	2,08418725	0,50633498	4,32463061	0
9857	H200015646	KCTD3	4,11262458	0,99902551	0,24291678	2,02465043	0
765	H200000896	VAV2	4,11183892	1,31529842	0,31988082	2,62364504	0
9151	H200014189	STATH	4,10976066	2,36013820	0,57427631	5,22796647	0
9479	H200014833	JUNB	4,10512095	1,38085747	0,33637437	2,60802344	0
7153	H200010404	PDE4A	4,10455054	2,52358675	0,61482658	6,11099077	0
9544	H200014991	MTMR1	4,10437159	1,79940011	0,43841062	3,69728170	0
64	H200000071	POU4F2	4,10379934	1,55146411	0,37805555	3,23748093	0
3814	H200005040	CD5L	4,09849583	1,86515864	0,45508370	3,81179384	0
5252	H200006990	C1orf119	4,09569626	1,73014959	0,42243113	3,32165547	0
10746	H200017936	MSRA	4,08963045	1,77271516	0,43346586	3,70046317	0
4058	H200005409	CASQ1	4,08828071	1,80618625	0,44179604	3,55571496	0
10899	H200018377	ZNF287	4,08597640	1,77244937	0,43378845	3,65417022	0
6485	H200008978	MAGI1	4,08347395	2,06890321	0,50665273	4,24863956	0
4732	H200006362	SPTAN1	4,08024417	1,13568602	0,27833776	2,11906650	0
6789	H200009664	FSTL1	4,07964020	1,04666646	0,25655852	2,04003469	0
11258	H200019382	PLA2G12B	4,07952701	1,88621317	0,46236075	4,11702424	0
4105	H200005485	PAK1	4,07376510	1,82901215	0,44897339	3,80455584	0
6917	H200009983	HERE	4,06986262	2,00293998	0,49213946	4,46594476	0
4405	H200005953	ATXN1	4,06373564	1,64977582	0,40597518	3,39415472	0
9831	H200015602	ZNF187	4,06319938	1,10499548	0,27195207	2,18125706	0
4138	H200005540	RIMBP2	4,06153544	1,94056503	0,47779099	3,75627871	0
9514	H200014914	AKR1D1	4,06064934	2,01742133	0,49682234	4,27812043	0
5230	H200006967	CD47	4,05682846	1,25351032	0,30898776	2,35247945	0
3313	H200004314	MBD4	4,05494287	1,64643075	0,40603057	3,58413584	0
4151	H200005554	FBXO28	4,05481936	1,62604268	0,40101483	3,14852605	0
1208	H200001447	LOC728558	4,05440756	1,31258945	0,32374384	2,40553795	0
3712	H200004897	AKAP5	4,05379547	1,19691697	0,29525835	2,17243296	0
2863	H200003673	CNOT8	4,05077507	1,83528100	0,45306910	3,74821813	0
11046	H200018932	PTCHD1	4,05048512	2,08435682	0,51459436	6,29285174	0
11869	H200021278	SMC2	4,04776276	1,15159430	0,28450143	2,15009591	0
10875	H200018296	C16orf68	4,04657319	1,91675910	0,47367464	4,09756004	0
11425	H200019834	RAD50	4,04602583	1,84868747	0,45691440	5,00927551	0
11728	H200020828	ACAD11	4,04539684	1,95825210	0,48406922	4,02704248	0
4926	H200006595	HDHD1A	4,04323417	1,03247744	0,25535930	2,06634726	0
9253	H200014359	ZNF687	4,04276745	1,94114804	0,48015328	3,70258775	0
4203	H200005634	HOXA1	4,04056274	1,73299232	0,42889875	3,48268717	0
5561	H200007492	SMARCB1	4,03419636	1,53303314	0,38000955	2,72219327	0
8503	H200012899	ATP8A2	4,03372680	2,36450296	0,58618322	8,41284716	0
118	H200000136	AFM	4,03323650	1,14077877	0,28284450	2,21755448	0
3515	H200004606	APH1B	4,03227658	1,62053726	0,40189139	3,22978461	0
9678	H200015303	CCR9	4,03180501	1,94753303	0,48304247	4,19421818	0
8500	H200012892	CCNB3	4,03076316	1,46261637	0,36286339	2,87152895	0
1423	H200001728	TMEM50B	4,02867590	1,32956755	0,33002594	2,43700893	0
5826	H200007939	PSCK6	4,02502389	2,39407139	0,59479681	4,58837915	0
1824	H200002261	LANCL1	4,02281224	1,04077085	0,25871723	2,08131200	0
4046	H200005386	CODC77	4,01804384	1,30831307	0,32560946	2,33232601	0
7832	H200011569	UBE2D2	4,01527682	1,88498540	0,46945341	4,20361573	0
4610	H200006215	EID1	4,01524229	1,16993129	0,29137253	2,31029407	0
3693	H200004868	NEK1	4,00774428	1,14299665	0,28519700	2,16635074	0

5035	H200006722	<u>SEPT10</u>	4.00693632	1,88894110	0,47141780	3,51318432	0
767	H200000898	<u>LOC284244</u>	4.00526369	1,05810894	0,26417960	2,07308418	0
3990	H200005299	<u>AKAP9</u>	4.00519336	1,38134751	0,34488909	2,53177805	0
9663	H200015259	<u>JAG1</u>	4.00265957	1,75494944	0,43844584	3,53581975	0
11766	H200020985	<u>SPATA22</u>	4.00110502	1,71397299	0,42837491	3,50049260	0
11698	H200020670	<u>C1orf125</u>	4.00079768	2,34374497	0,58581942	8,87854773	0
3565	H200004677	<u>GPR126</u>	3.99963768	1,21344524	0,30338879	2,40387247	0
8848	H200013706	<u>POM121</u>	3.99897398	2,23800747	0,55964542	6,92718793	0
7974	H200011771	<u>MYO5C</u>	3.99435998	1,64937462	0,41292588	3,07948691	0
5829	H200007945	<u>DIRC1</u>	3.99135110	1,82939645	0,45834015	3,51404474	0
10147	H200016458	<u>WNT2B</u>	3.99116586	1,46783527	0,36777105	2,96098794	0
8164	H200012130	<u>HK1</u>	3.98965440	1,37660436	0,34504351	2,35797385	0
8066	H200011954	<u>C20orf179</u>	3.98912090	1,78292177	0,44694603	3,76888204	0
11849	H200021214	<u>KRTAP4-7</u>	3.98910128	1,38683639	0,34765635	2,61151322	0
10025	H200016200	<u>MYADML</u>	3.98902851	1,86457168	0,46742501	4,06204370	0
5144	H200006858	<u>GRB10</u>	3.98742669	1,36185527	0,34153738	2,41739180	0
2623	H200003350	<u>C1orf124</u>	3.98706035	1,66848727	0,41847555	3,31278590	0
10347	H200016962	<u>DUOX1</u>	3.98692587	1,35482728	0,33981753	2,28578909	0
6863	H200009867	<u>AP3M1</u>	3.98504240	1,74111896	0,43691353	3,06692502	0
10230	H200016610	<u>PPP1R2</u>	3.98495218	1,04316579	0,26177624	2,07024502	0
7424	H200010877	<u>PRSS35</u>	3.98169566	1,57904906	0,39657703	3,00423930	0
5593	H200007568	<u>NTNG2</u>	3.98122960	1,74478918	0,43825384	3,48536344	0
7395	H200010812	<u>PLCZ1</u>	3.98107711	1,87971603	0,47216268	3,74628342	0
7037	H200010217	<u>LOC283658</u>	3.98079385	1,75630149	0,44119378	3,61288649	0
3768	H200004973	<u>INTS2</u>	3.97809845	1,17272488	0,29479534	2,24734249	0
10898	H200018371	<u>SEPT11</u>	3.97229264	1,56513112	0,39401204	2,91966775	0
7000	H200010153	<u>LOC389541</u>	3.97122887	1,29802097	0,32685625	2,49521681	0
10956	H200018589	<u>THRAP2</u>	3.97018875	1,66780804	0,42008281	3,48560259	0
11179	H200019161	<u>AMMECR1</u>	3.97010460	1,04230471	0,26253835	2,10226788	0
11886	H200021313	<u>CAPN1</u>	3.96822435	1,59375088	0,40162822	3,32980709	0
10107	H200016364	<u>DSCR6</u>	3.96367584	1,86354673	0,47015619	3,52666934	0
8713	H200013381	<u>PNLIPRP2</u>	3.96165353	1,83090509	0,46215679	4,18894071	0
11004	H200018831	<u>FLJ30672</u>	3.96114675	1,58618069	0,40043472	3,17447989	0
8242	H200012256	<u>FLJ90709</u>	3.96074159	1,44180652	0,36402438	2,68522542	0
10299	H200016772	<u>MAPK6</u>	3.95940749	1,55811641	0,39352262	2,89305895	0
2786	H200003570	<u>SEMA4F</u>	3.95439277	1,37452311	0,34759398	2,62445819	0
3523	H200004617	<u>ZNF623</u>	3.95350808	1,72703707	0,43683661	3,50402581	0
9607	H200015137	<u>CUGBP2</u>	3.95066022	1,44360793	0,36540929	3,17711795	0
6517	H200009104	<u>EEF1G</u>	3.95061162	1,56338961	0,39573356	3,04316273	0
11197	H200019205	<u>PNLIPRP1</u>	3.94839320	1,83430384	0,46456970	3,57335353	0
4590	H200006193	<u>NR3C1</u>	3.94375715	1,65431429	0,41947671	3,26990129	0
6323	H200008641	<u>STRN3</u>	3.94275149	1,77901854	0,45121244	3,09741391	0
9778	H200015515	<u>LPO</u>	3.94079562	1,77335180	0,44999842	3,38006935	0
7759	H200011466	<u>LOC285550</u>	3.93551869	1,49339522	0,37946592	2,82107139	0
10841	H200018202	<u>CDK5RAP1</u>	3.93348940	1,05610892	0,26849161	2,10196095	0
7695	H200011358	<u>RNF166</u>	3.93143673	1,27817745	0,32511713	2,45971062	0
2378	H200003011	<u>SMARCAD1</u>	3.93095534	1,69643936	0,43155905	2,69773126	0
8292	H200012381	<u>C1orf114</u>	3.92850566	1,81228923	0,46131771	3,78964490	0
5560	H200007491	<u>OR5I1</u>	3.92539427	1,39251527	0,35474533	2,68510601	0
8628	H200013172	<u>KIAA0773</u>	3.92535595	1,69344336	0,43141141	3,38148882	0
10216	H200016593	<u>MUM1</u>	3.92441188	1,39751805	0,35610891	2,63279496	0
5553	H200007475	<u>LY6H</u>	3.92192428	1,88260259	0,48002013	3,88723571	0
11593	H200020326	<u>LOC642426</u>	3.92121320	1,58592408	0,40444730	3,24716810	0
8074	H200011972	<u>HTRA2</u>	3.91863443	1,54601356	0,39452865	3,14754453	0
2801	H200003592	<u>TNRC4</u>	3.91764664	1,79115238	0,45720111	3,62424619	0
529	H200006820	<u>LARS2</u>	3.91696430	1,82056044	0,46478862	5,06084363	0
5653	H200007675	<u>CUBN</u>	3.91260443	1,79148690	0,45787581	4,10603042	0
9994	H200016068	<u>GPR22</u>	3.90461210	1,73144009	0,44343460	3,59682731	0
7698	H200011364	<u>RAD54L2</u>	3.89941835	1,10578730	0,28357750	2,09426078	0
3851	H200005096	<u>AFF2</u>	3.89739761	1,82224740	0,46755491	3,84141768	0
11227	H200019314	<u>TMEM163</u>	3.89721318	1,58270194	0,40611120	3,43922948	0
9863	H200015655	<u>PIK3C3</u>	3.89716315	1,65829510	0,42551339	3,58141426	0
3052	H200003935	<u>RRBP6</u>	3.89349492	1,18565468	0,30452195	2,33776269	0
2572	H200003272	<u>APOLD1</u>	3.89233182	1,77978438	0,45725402	3,48831855	0
6505	H200009057	<u>KIAA1240</u>	3.88935967	1,89564609	0,48739285	4,39207192	0
9328	H200014534	<u>TTC9B</u>	3.88834550	1,83602286	0,47218614	4,05962252	0
10130	H200016424	<u>DBT</u>	3.88594227	1,51389985	0,38958372	2,92550038	0
11291	H200019448	<u>DDEF2</u>	3.88281372	1,83649636	0,47298080	3,66323275	0
6875	H200009892	<u>GTF2A1</u>	3.88262008	1,74512583	0,44947118	3,06516303	0
10522	H200017426	<u>TFCF</u>	3.87980931	1,91537725	0,49367819	3,82610583	0
5127	H200006838	<u>THOC2</u>	3.87850053	1,04822751	0,27026618	2,06235213	0
473	H200005552	<u>CSF3R</u>	3.87687134	1,79842486	0,46388562	3,61328408	0
8679	H200013302	<u>PDE5A</u>	3.87333366	1,84356005	0,47596211	3,67648205	0
6821	H200009744	<u>DDEF1</u>	3.87266100	1,85687126	0,47948200	3,61122096	0
10021	H200016180	<u>UIMC1</u>	3.87160421	1,75229222	0,45260107	3,47221740	0
7384	H200010774	<u>HSE5</u>	3.87125529	1,93736223	0,50044807	3,99977431	0
8433	H200012723	<u>RP11-393H1C</u>	3.86996368	1,82094078	0,47053175	3,62296464	0
9683	H200015319	<u>NCOA3</u>	3.86952416	1,83910519	0,47527942	3,18683426	0
4347	H200005880	<u>CPN2</u>	3.86734217	1,82860469	0,47283240	3,69335889	0
5434	H200007238	<u>ZNF295</u>	3.86721916	1,17651202	0,30422688	2,22892678	0
4137	H200005539	<u>KIAA0427</u>	3.86420630	1,64207666	0,42494539	3,25690269	0
9189	H200014257	<u>C2orf3</u>	3.86277334	1,34674569	0,34864735	2,82351745	0
910	H200001070	<u>WDR26</u>	3.85421188	1,29882158	0,33698759	2,67146275	0
5507	H200007368	<u>CLSTN2</u>	3.85121144	1,20107516	0,31186944	2,28762190	0
1988	H200002491	<u>DUSP21</u>	3.85119838	1,89463919	0,49196094	3,74344270	0
9642	H200015212	<u>GRWD1</u>	3.85106131	1,42659191	0,37044124	2,77229051	0
10010	H200016153	<u>FA2H</u>	3.85068215	1,13096723	0,29370568	2,09159598	0
6938	H200010025	<u>ZMYND11</u>	3.85046617	1,28604129	0,33399626	2,48955330	0
8320	H200012469	<u>SLC6A11</u>	3.84979035	1,75252844	0,45522698	3,26918213	0
7564	H200011125	<u>MTA1</u>	3.84905010	1,35503925	0,35204511	2,51817141	0
8912	H200013812	<u>C4orf16</u>	3.84803543	1,42597191	0,37057141	2,58784194	0

11792	H200021056	PSMD6	3,84450344	1,70359642	0,44312522	3,29181718	0
10367	H200016989	USP52	3,84266638	1,84356532	0,47976200	3,70767404	0
7713	H200011384	LINS1	3,84209643	1,10591377	0,28784123	2,15972340	0
10932	H200018542	RAB33A	3,83770997	1,88534583	0,49126845	3,88714184	0
2537	H200003223	POFUT2	3,83727473	0,99310745	0,25880541	2,01502842	0
11788	H200021046	C14orf32	3,83428311	1,38793153	0,36191941	2,88664448	0
7284	H200010600	ZNF608	3,83184007	1,53343101	0,40018137	3,08492481	0
11236	H200019330	KCTD20	3,82924415	1,12962231	0,29499877	2,30552688	0
7606	H200011192	WDR40A	3,82039284	1,25077362	0,32739398	2,29357263	0
11012	H200018856	TEX10	3,81942035	1,92838215	0,50488869	3,86669726	0
9805	H200015565	CHST6	3,81933359	1,30228053	0,34097062	2,45943825	0
7486	H200010994	C10orf22	3,81883450	1,03222937	0,27029958	2,13583372	0
967	H200001139	FEM1B	3,81754544	1,26168670	0,33049684	2,39971944	0
6608	H200009336	EDD1	3,81641974	1,96385595	0,51458070	4,21746250	0
10173	H200016517	SAMD4A	3,80994679	1,74479363	0,45795748	3,02599273	0
6641	H200009394	ELMOD2	3,80640111	1,75774270	0,46178599	3,48871421	0
3498	H200004579	SLC25A36	3,80437669	1,05876678	0,27830230	2,03793847	0
6220	H200008487	VPS41	3,80408520	1,70937681	0,44935292	3,47971224	0
10179	H200016529	HAL	3,80321851	1,74408232	0,45858062	3,56740980	0
7051	H200010246	ALDH3B2	3,79554994	1,86388063	0,49106998	4,77413582	0
1378	H200001675	STK38	3,79486651	1,06129817	0,27966680	2,08283402	0
2868	H200003683	FABP7	3,78795731	2,36384929	0,62404328	14,02185566	0
11760	H200020973	UCHL1	3,78465599	2,12669033	0,56192434	9,70264238	0
9096	H200014083	PSMD7	3,78179082	1,23255717	0,32591892	2,41309854	0
4330	H200005850	LY6G5B	3,78155214	1,51079539	0,39951727	2,78973399	0
10106	H200016363	LOC728434	3,77724871	1,66550175	0,44092986	3,43732301 a	0
11388	H200019700	POLDIP3	3,77627009	1,00511324	0,26616561	2,08221171	0
11403	H200019751	CEP57	3,77529582	1,74627364	0,46255280	3,53886170	0
5350	H200007108	SNAP25	3,77218605	1,69083967	0,44823867	3,32054282	0
10650	H200017635	SLC24A2	3,77197712	1,79568539	0,47605946	3,73470771	0
2964	H200003815	UBR1	3,77164130	1,19506297	0,31685489	2,35239135	0
4528	H200006098	UBAP1	3,77108657	1,07900570	0,28612594	2,09239577	0
5219	H200006951	ST8SIA1	3,77027252	1,84125027	0,48835999	3,82039156	0
11798	H200021068	PSIP1	3,76916471	1,46647886	0,38907264	2,84481545	0
3739	H200004932	FAM119B	3,76427323	1,07295366	0,28503607	2,02835512	0
5640	H200007650	RUNX1	3,69049637	1,81595911	0,49206365	3,76025760	0
8251	H200012272	STK17B	3,62451868	1,36699912	0,37715328	2,71845569	0
5407	H200007183	GML	3,40985322	1,51999454	0,44576539	3,12859276	0
4974	H200006648	RGL1	3,18546393	1,21145838	0,38030830	2,29380907	0
10867	H200018256	ESR1	3,04017078	1,81610763	0,59737027	4,44686693	0

Negative genes (614)

Row	Gene ID	Gene Name	Score(d)	Numerator(r)	Denominator(s+s0)	Fold Change	q-value(%)
2597	H200003310	LRP6	-8,61020309	-1,89295597	0,219850327	0,270538996	0
4303	H200005804	CDKN2B	-7,77238232	-1,88879996	0,243014289	0,275993679	0
2935	H200003780	MYST4	-7,61701068	-1,48932801	0,195526575	0,353860938	0
9065	H200014045	ZNF174	-7,59178518	-1,90849001	0,251388832	0,263111011	0
5378	H200007142	MLF1	-7,49187092	-1,65360993	0,220720558	0,314397264	0
3033	H200003912	CPT1B	-7,43720698	-1,67731926	0,225530803	0,317361251	0
6259	H200008544	TARSL2	-7,39519091	-1,44539507	0,195450677	0,363829890	0
5084	H200006783	UCP2	-7,29549556	-2,03111189	0,278406295	0,254683570	0
3257	H200004222	KIAA1160	-7,28080445	-1,66659139	0,228902094	0,315446277	0
7386	H200010779	RAB27B	-7,20301383	-2,39840249	0,332972078	0,185398851	0
5193	H200006915	MYO1E	-7,20072623	-1,65783091	0,230231070	0,318103210	0
11211	H200019263	GPR61	-7,15093242	-1,97247557	0,275834738	0,260791400	0
8274	H200012344	ASCC1	-7,11455669	-1,80405047	0,253571733	0,287957748	0
6745	H200009587	ZNF436	-7,04969471	-1,23432922	0,175089741	0,425254266	0
6074	H200008285	ZSCAN5	-7,00250300	-1,61777434	0,231028010	0,330376621	0
9039	H200014006	CPT1B	-7,00033213	-1,89303456	0,270420678	0,276495762	0
8804	H200013605	DNAI2	-6,99766167	-1,53042650	0,218705416	0,350538935	0
7171	H200010431	NEO1	-6,99644512	-1,55141440	0,221743232	0,343978201	0
9610	H200015141	CHES1	-6,97302094	-1,51648884	0,217479462	0,351950439	0
10158	H200016490	TRQ	-6,95997920	-1,73431624	0,249184113	0,301483822	0
9318	H200014508	ZNF334	-6,91453563	-1,92786474	0,278813335	0,271760983	0
10423	H200017204	KATNB1	-6,90298610	-1,87130465	0,271086255	0,282681667	0
10450	H200017254	HEXDC	-6,84552121	-1,86320369	0,272178500	0,283370811	0
3330	H200004339	GKAP1	-6,83243849	-1,52114204	0,222635306	0,354236091	0
9917	H200015773	DNMT3A	-6,80838201	-1,46998268	0,215907785	0,361785135	0
7006	H200010166	HIST2H4A	-6,78007951	-1,96057475	0,289166926	0,251469188	0
7700	H200011368	GMSD	-6,74577531	-2,13213017	0,316068958	0,245466717	0
7269	H200010581	U1SNRNPBP	-6,73648871	-1,58995944	0,236021985	0,335416188	0
5175	H200006892	LAMB1	-6,72731398	-1,54612154	0,229827468	0,342736925	0
11552	H200020190	FAM62B	-6,70278697	-1,71101204	0,255268748	0,304207325	0
8403	H200012647	KONKS	-6,65676080	-1,43059478	0,214908545	0,369154801	0
8493	H200012876	HYAL1	-6,65517966	-1,93261330	0,290392355	0,271332928	0
7545	H200011081	RAD51L1	-6,63868196	-1,51813059	0,228679518	0,352390672	0
8050	H200011928	LTB4DH	-6,59358913	-2,11017813	0,320034824	0,223979493	0
6407	H200008797	DUS3L	-6,57452781	-1,86995337	0,284423981	0,283796434	0
5642	H200007653	CDK5	-6,57245778	-1,77465904	0,270014521	0,290777708	0
4560	H200006145	MARCKS	-6,57228534	-1,89482288	0,288305023	0,269107627	0
8706	H200013366	C5orf13	-6,57004940	-1,92495529	0,292989470	0,265514638	0
9608	H200015139	CLCN6	-6,56702196	-1,82369341	0,277704783	0,281660954	0
8092	H200012007	ARHGGEF10L	-6,54194289	-1,83178355	0,280006045	0,290364857	0
6377	H200008740	ANKFY1	-6,52950469	-1,51019587	0,231287967	0,354428229	0
7654	H200011282	GABRB2	-6,52765816	-1,45441337	0,222807834	0,366993148	0
5165	H200006881	IL6ST	-6,52042633	-1,70530509	0,261532759	0,303908603	0
8727	H200013412	WDR4	-6,51007196	-1,37635949	0,211420011	0,388484591	0
2607	H200003328	HEYL	-6,48231377	-1,72210561	0,265662180	0,298680832	0
8987	H200013919	TNK2	-6,47682945	-1,20569307	0,186154827	0,432003855	0

9226	H200014309	PCGF2	-6.46611377	-1.84938810	0.286012304	0.289307948	0
1168	H200001399	CORO7	-6.43744277	-1.56202188	0.242646333	0.338807571	0
5879	H200008013	TRIO	-6.39925493	-1.61784580	0.252817838	0.334717780	0
8534	H200012965	SUSD2	-6.39363003	-1.90323410	0.297676608	0.257609472	0
2862	H200003671	CAPS	-6.37694789	-1.70589473	0.267509593	0.314701225	0
4367	H200005906	NCOA1	-6.37100064	-1.60694653	0.252228279	0.330464903	0
3780	H200004990	LMD2	-6.37019736	-1.44169698	0.226319045	0.370517316	0
6842	H200009824	ET	-6.36942573	-1.99126035	0.312627925	0.266727710	0
9064	H200014044	TCEB3	-6.36621036	-1.88563285	0.296193928	0.270347093	0
7085	H200010301	PNOG	-6.35735928	-2.10911535	0.331759660	0.243132222	0
8800	H200013588	CUTL1	-6.34268819	-1.53873952	0.242600531	0.335766557	0
9841	H200015617	C6orf96	-6.32999333	-1.86874673	0.295220964	0.281371294	0
9393	H200014672	BAG4	-6.32910118	-1.54877433	0.244706837	0.343286232	0
3709	H200004892	LILRA4	-6.30805201	-1.70511954	0.270308414	0.318493413	0
7488	H200010996	PINX1	-6.30481483	-1.82034508	0.288723004	0.292713693	0
8972	H200013900	GPR98	-6.30434785	-2.18579849	0.346712863	0.208472171	0
2304	H200002912	MRE11A	-6.29902637	-1.64400812	0.260994005	0.327057534	0
9119	H200014120	INPP5D	-6.29201213	-1.76043416	0.279788742	0.301056348	0
4883	H200006548	ZNF32	-6.25403434	-1.58231383	0.253006899	0.340050420	0
10188	H200016546	FKBP14	-6.25372202	-1.99737587	0.319389935	0.254971866	0
6254	H200008538	C9orf46	-6.23714919	-1.68999425	0.270956201	0.317155722	0
7436	H200010914	DDX25	-6.22437280	-1.90722082	0.306411728	0.272478753	0
797	H200000939	SCN3B	-6.21449451	-1.52281514	0.245042478	0.352878063	0
11149	H200019112	ZNF747	-6.21421026	-1.79170249	0.288323442	0.283542946	0
9923	H200015782	LY6G6D	-6.20331814	-1.54838588	0.249606072	0.349445540	0
7860	H200011607	QSSEP	-6.18067400	-1.78662223	0.289065923	0.300501882	0
3609	H200004740	TAS2R49	-6.17930451	-1.94302525	0.314440767	0.259234026	0
5119	H200006826	RAC1	-6.16145531	-1.82249584	0.295789833	0.282453697	0
6272	H200008568	POU2F1	-6.14921332	-1.62161595	0.263711123	0.334859131	0
7657	H200011286	MEIS2	-6.14742577	-1.52644921	0.248307059	0.354833430	0
5805	H200007905	CHML	-6.14616772	-1.45826443	0.237264014	0.368581728	0
5314	H200007064	IRF2	-6.13302094	-1.71445721	0.279545306	0.316465712	0
10596	H200017548	ZNF232	-6.12782652	-1.73710668	0.283478436	0.289471875	0
10574	H200017518	BCCIP	-6.12678352	-2.00032871	0.326489210	0.267199476	0
11669	H200020502	C22orf25	-6.12408138	-1.43952255	0.235059344	0.370149665	0
6553	H200009214	ZNF703	-6.12253065	-1.50399996	0.245650049	0.347229118	0
4082	H200005455	SMARCE1	-6.11330715	-1.19257471	0.195078488	0.433089132	0
8183	H200012154	ENOS3	-6.10617365	-1.79348249	0.293716261	0.299464238	0
1450	H200001762	ELN	-6.10483331	-1.43547972	0.235138233	0.377023388	0
6794	H200009671	SGK	-6.10061207	-1.53251048	0.251206021	0.350955695	0
3838	H200005073	BARD1	-6.09976472	-1.65946775	0.272054387	0.327088742	0
2233	H200002812	SIRT3	-6.09394577	-1.85177758	0.303871687	0.291093623	0
11446	H200019895	RSNL2	-6.08563106	-1.42265856	0.233773383	0.372010200	0
7043	H200010228	HRK	-6.07411837	-1.53646746	0.252953164	0.346518887	0
3974	H200005270	GIT2	-6.07344126	-1.73256672	0.285269363	0.312064732	0
9938	H200015826	CCDC131	-6.07037488	-1.29467704	0.213277939	0.412317218	0
3766	H200004970	NDN	-6.06983463	-1.49170523	0.245757144	0.353847188	0
9701	H200015362	C20orf121	-6.04951477	-1.41058955	0.233173999	0.382171018	0
5800	H200007898	VCY	-6.04891463	-1.89190095	0.312767012	0.284083110	0
6910	H200009963	ZNF629	-6.04803198	-1.80433986	0.298335040	0.291254449	0
11337	H200019569	SNX21	-6.02052843	-1.59981157	0.265726104	0.341381930	0
3946	H200005228	LSP1	-6.02006680	-1.34562896	0.223523925	0.396332704	0
10283	H200016731	XQC7	-6.01031777	-2.02151160	0.336340220	0.242286481	0
10264	H200016684	KRR1	-6.00943839	-1.96098798	0.326318010	0.240113111	0
8514	H200012916	ABI3	-5.99754128	-2.09523464	0.349348931	0.254864022	0
10728	H200017894	PHEF20L1	-5.99617851	-1.61202232	0.268841616	0.334371277	0
3715	H200004903	ZADH2	-5.98839930	-1.47695845	0.246636600	0.360702449	0
1309	H200001580	PBXIP1	-5.98736322	-1.69374274	0.282886253	0.318831182	0
3423	H200004477	LRMP	-5.98602777	-1.27719100	0.213362024	0.414859549	0
5904	H200008042	SUV420H2	-5.98397972	-1.72479145	0.288234843	0.315442388	0
6418	H200008839	MLXIPL	-5.98014351	-1.45697536	0.243635518	0.355139745	0
4314	H200005825	PRB3	-5.97548765	-1.84902262	0.309434599	0.282014996	0
9114	H200014110	USP32	-5.96904557	-1.59556138	0.267305946	0.340860429	0
8053	H200011932	AFF1	-5.96599585	-1.76778228	0.296309674	0.293542730	0
8682	H200013310	TTC23	-5.96444218	-1.70182569	0.285328559	0.321498579	0
5579	H200007538	UTS2	-5.96322596	-1.61004878	0.269996273	0.318932987	0
8010	H200011839	KIAA0892	-5.95769588	-1.41429146	0.237388999	0.381915515	0
8180	H200012150	ATF7IP	-5.94327119	-1.48345066	0.249601712	0.364447112	0
11572	H200020256	DR1	-5.94222505	-1.85898269	0.312842862	0.279922209	0
9754	H200015463	ZNF560	-5.93036072	-1.44802076	0.244170773	0.363462032	0
401	H200000463	PLP1	-5.92440961	-1.64354731	0.277419594	0.325317173	0
7487	H200010995	TLE4	-5.92425745	-1.89097392	0.319191719	0.286602856	0
1512	H200001844	FAM117A	-5.91793157	-1.36777039	0.231123049	0.393007006	0
8856	H200013716	C3orf21	-5.91153899	-1.72790767	0.292294050	0.316026595	0
9216	H200014297	LMO2	-5.86707681	-1.65889334	0.282746143	0.329069484	0
11159	H200019127	DYNC1L1L2	-5.86494497	-1.47523206	0.251533829	0.342790666	0
8348	H200012525	DKFZp761E1	-5.85301321	-1.78028153	0.304164960	0.299138673	0
7253	H200010557	KIAA1414	-5.83812325	-1.73169452	0.296618356	0.316674272	0
10555	H200017484	RAB4B	-5.83799819	-1.54104340	0.263967777	0.336122466	0
3518	H200004611	HDGF2	-5.83662365	-1.54943635	0.265467921	0.347551357	0
2454	H200003117	C9orf37	-5.83261139	-1.34477266	0.230560991	0.398098834	0
11013	H200018859	MTHFS	-5.82357826	-1.77617241	0.304996745	0.295224412	0
1489	H200001811	PSMB10	-5.81116014	-1.32459248	0.227939422	0.405114557	0
2973	H200003828	WBP4	-5.80781051	-1.28421239	0.221118162	0.410453829	0
11695	H200020658	AP4B1	-5.79571262	-1.60945779	0.277697998	0.325115041	0
11883	H200021308	RAB28	-5.79394944	-1.62223696	0.279988112	0.319114430	0
8489	H200012872	FIZ1	-5.79114892	-1.34991154	0.233099090	0.396561470	0
2045	H200002557	RAB24	-5.78762173	-1.58712710	0.274227857	0.341368048	0
8267	H200012323	ARHGDIG	-5.77736792	-1.56635557	0.271119234	0.348702199	0
6766	H200009629	PBX3	-5.77694690	-1.19853409	0.207468428	0.438282485	0
6702	H200009502	MAML2	-5.77673494	-1.95470352	0.338375144	0.248341481	0

4054	H200005402	NAPG	-5.77467866	-1.36580989	0.236517038	0.394934529	0
5703	H200007755	LI15	-5.77035281	-1.52475250	0.264239043	0.346999347	0
6961	H200010066	KIAA1539	-5.75656265	-1.80693654	0.313891578	0.303376897	0
7517	H200011032	ACVR1B	-5.74491261	-1.31980407	0.229734403	0.403371493	0
3047	H200003930	C1orf96	-5.74386590	-1.39361501	0.242626662	0.375046450	0
4501	H200006065	MTM1	-5.74074591	-1.23560826	0.215234794	0.427649079	0
11525	H200020108	CCPG1	-5.73257345	-1.77173670	0.309064806	0.308909979	0
9822	H200015591	POM3	-5.72445211	-1.33876288	0.233867426	0.393516523	0
11803	H200021082	DKFZp547E01	-5.72440428	-1.18135901	0.206372393	0.443605587	0
3969	H200005259	C6orf10	-5.71394927	-1.86602941	0.326574375	0.263319867	0
7732	H200011421	CDKN1C	-5.71221723	-1.66051302	0.290695005	0.329783111	0
7915	H200011691	CCDC101	-5.70738213	-1.75499001	0.307494744	0.296775263	0
2083	H200002606	MBIP	-5.70312336	-1.57590026	0.276322316	0.341470162	0
3016	H200003891	PURA	-5.69335387	-1.58999123	0.279271457	0.344786283	0
9428	H200014754	ZNF14	-5.69057829	-1.64030387	0.288249065	0.316659457	0
6976	H200010099	ZGPAT	-5.68693879	-1.24833025	0.219508296	0.416133115	0
1651	H200002015	CTSF	-5.68043746	-1.44710653	0.254752655	0.361959579	0
7192	H200010465	TRAF6	-5.67889573	-1.51521884	0.266815753	0.346483906	0
2323	H200002937	ZNF691	-5.67478930	-1.43836503	0.253465803	0.373059893	0
8766	H200013509	ASPM	-5.66018678	-1.35909714	0.240115246	0.383427170	0
170	H200000201	ITGA2B	-5.65588976	-1.34032778	0.236979120	0.397542786	0
3506	H200004593	MAX	-5.65459620	-1.39724449	0.247098888	0.386554747	0
7451	H200010949	SPATA17	-5.64721181	-1.21433537	0.215032729	0.435382383	0
8035	H200011896	GABRD	-5.64574872	-1.76251174	0.312183880	0.3133310897	0
5118	H200006825	RAPSIN	-5.63008533	-1.56904078	0.278688632	0.335344931	0
4349	H200005882	FAH	-5.62196878	-1.39921174	0.248882872	0.389125587	0
2087	H200002613	SMARCAL1	-5.61332000	-1.35584531	0.241540711	0.398771947	0
10494	H200017335	GCC2	-5.60793634	-1.40463833	0.250473302	0.375155015	0
3136	H200004046	SLC39A3	-5.60789331	-1.31287666	0.234112274	0.404428740	0
5133	H200006844	DECRI	-5.60312245	-1.57865781	0.281746084	0.339985132	0
6334	H200008656	ZNF268	-5.59943003	-1.58790003	0.283582440	0.336231074	0
7590	H200011171	MXD4	-5.59484902	-1.52341448	0.272288756	0.357973960	0
10117	H200016398	BIRC7	-5.58584435	-1.49781517	0.268144810	0.356618259	0
3538	H200004643	PTP4A3	-5.58513175	-1.41710845	0.253728741	0.381624723	0
4571	H200006166	MPV17	-5.58157002	-1.69820561	0.304252317	0.309693255	0
7321	H200010666	KCTD17	-5.57224628	-1.41823572	0.254517774	0.386662081	0
6427	H200008853	SLC35B3	-5.57109086	-1.74326185	0.312912120	0.302925550	0
11517	H200020094	C4orf36	-5.55929123	-1.54128138	0.277244224	0.343282268	0
11455	H200019910	CD2AP	-5.55786366	-1.46633381	0.263829526	0.361744969	0
11633	H200020438	MOCS1	-5.55722577	-1.31221834	0.236128311	0.404061096	0
8222	H200012212	STX8	-5.55689177	-1.56507717	0.281646150	0.337042100	0
8261	H200012288	LOC440330	-5.55170314	-1.32146578	0.238028898	0.409441529	0
2108	H200002645	ZNF79	-5.54158405	-1.53096228	0.276267989	0.352312432	0
3953	H200005240	LBH	-5.54134460	-1.50531852	0.271652212	0.363249181	0
4857	H200006518	NDST2	-5.53642885	-1.26291037	0.228109202	0.425076957	0
9998	H200016093	NKX6-1	-5.53523345	-1.67750835	0.303060091	0.326849211	0
11062	H200018979	TOMM40L	-5.52416054	-1.27826623	0.231395562	0.415890697	0
11777	H200021020	APTX	-5.52403507	-1.39521333	0.252571411	0.389211767	0
6241	H200008515	GABPB2	-5.51696124	-1.74796299	0.316834379	0.285196495	0
11193	H200019192	OR2A4	-5.51573990	-1.76477712	0.319952926	0.276473491	0
4701	H200006323	PPP1R1A	-5.51500265	-1.23755260	0.224397463	0.429688407	0
4675	H200006292	SLC38A3	-5.51402490	-1.33396774	0.241922691	0.403202329	0
3829	H200005058	CFP	-5.51159084	-1.49350449	0.270975211	0.367691004	0
9913	H200015765	RASA2	-5.51062489	-1.53604069	0.278741652	0.331658854	0
10551	H200017480	CHMP4A	-5.50701011	-1.51620686	0.275323057	0.353350742	0
9433	H200014759	SMO	-5.49685478	-1.76912896	0.321843860	0.300979090	0
11894	H200021322	PHF20	-5.49536181	-1.60488312	0.292043213	0.320186267	0
2894	H200003722	PIGL	-5.49041064	-1.30512983	0.237710786	0.408294573	0
8476	H200012831	TNFSF14	-5.47186183	-2.05191098	0.374993200	0.259522551	0
1954	H200002444	TH1PA	-5.46878283	-1.23531613	0.225885021	0.423844011	0
11256	H200019375	GOLGA7	-5.46252196	-1.62575970	0.297620717	0.329197082	0
8732	H200013423	LRRC45	-5.45744538	-1.54613675	0.283307783	0.345691293	0
4119	H200005514	HACL1	-5.45714671	-1.30002945	0.238225123	0.410364475	0
2223	H200002801	RAB22A	-5.45341177	-1.24480109	0.228260976	0.427444514	0
4650	H200006260	CEBPA	-5.45198340	-1.32764542	0.243516043	0.406478018	0
11506	H200020060	LRRC23	-5.45078994	-1.71068352	0.313841396	0.303423932	0
1929	H200002413	SLC30A1	-5.44656070	-1.42523159	0.261675518	0.363557312	0
5867	H200008000	DHX8	-5.44529346	-1.71185685	0.314373663	0.314930749	0
3743	H200004939	FBXL4	-5.44326327	-1.25176587	0.229966071	0.415723889	0
6166	H200008418	MRPS16	-5.42464375	-1.54416099	0.284656664	0.342440380	0
8255	H200012277	TAF1B	-5.42021648	-1.57200647	0.290026510	0.345780396	0
7599	H200011182	CAPNS2	-5.42010548	-1.38046858	0.254694043	0.384606552	0
1810	H200002239	B4GALT4	-5.41693764	-1.58361210	0.292344533	0.348508441	0
3403	H200004449	SKIL	-5.41628721	-1.57658316	0.291081897	0.330052410	0
6465	H200008923	CHST11	-5.41419485	-1.72081369	0.317833720	0.302892533	0
6896	H200009934	S100A16	-5.41271527	-1.54259707	0.284995051	0.356455157	0
11487	H200019981	NME6	-5.41167157	-1.25948469	0.232734872	0.422014713	0
10070	H200016268	MAP2K5	-5.40460906	-1.35968675	0.251579113	0.397340323	0
5513	H200007383	C10orf118	-5.40415911	-1.50607382	0.278687912	0.343358882	0
10057	H200016250	HOOK1	-5.40132443	-1.32148058	0.244658619	0.394875233	0
7721	H200011402	ELMO3	-5.38732161	-1.12603583	0.209015891	0.455653785	0
10449	H200017253	PLXNB1	-5.38265053	-1.63557248	0.303860054	0.338301666	0
7612	H200011201	SLC13A3	-5.38010877	-1.73001916	0.321558398	0.279669742	0
4411	H200005960	APLP1	-5.37945286	-1.61410989	0.300050941	0.343121329	0
1908	H200002386	LOC643837	-5.37285704	-1.27127243	0.236610135	0.419970822	0
5282	H200007024	LOXL2	-5.36755491	-1.44840168	0.269843850	0.377905197	0
2990	H200003854	ZCCHC3	-5.36713806	-1.91127707	0.356107304	0.289616045	0
6643	H200009397	FLJ13137	-5.35823613	-1.55118795	0.289496005	0.354847299	0
3551	H200004659	SIRT2	-5.35689850	-1.08200799	0.201984037	0.475239237	0
1292	H200001555	MIZF	-5.34987943	-1.33490301	0.249520205	0.395799053	0
4173	H200005580	SAMD9	-5.34415141	-1.14519245	0.214288922	0.454647261	0

8878	H200013760	KIAA1524	-5.34094094	-1.89439851	0.354693777	0.299357026	0
3359	H200004387	COL9A2	-5.33496137	-1.48844271	0.278997843	0.368194854	0
1923	H200002404	C16orf3	-5.32074831	-1.49439823	0.280862417	0.371455505	0
2879	H200003701	EAF2	-5.31768425	-1.51893561	0.285638549	0.346820256	0
6043	H200008225	CNNM4	-5.31397122	-1.38398889	0.260443430	0.373837313	0
8964	H200013889	RPRR	-5.30747425	-1.67119729	0.314876194	0.320131776	0
11167	H200019144	DICER1	-5.28922011	-1.20332635	0.227505440	0.434138954	0
7016	H200010185	ANKRD15	-5.28809396	-1.70802178	0.322993842	0.283549630	0
5595	H200007577	PLEKHG6	-5.28796178	-1.44305955	0.272895231	0.381175061	0
3672	H200004835	RBJ	-5.28478929	-1.24747279	0.236049673	0.427182335	0
1363	H200001650	MAGEE1	-5.27782332	-1.31200780	0.248588806	0.398608046	0
3648	H200004801	KCNMB4	-5.27663420	-1.23183852	0.233451566	0.432567756	0
7078	H200010289	CENPO	-5.27631610	-1.15028629	0.218009358	0.443892470	0
2899	H200003728	ERC1	-5.26998235	-1.28190358	0.243246275	0.403647509	0
8375	H200012575	LRCH4	-5.26565546	-1.41563443	0.268842965	0.384544269	0
3535	H200004636	MAK10	-5.26460902	-1.43467852	0.272513782	0.368660425	0
9118	H200014118	CREM	-5.26301196	-1.40270562	0.266521458	0.371082805	0
6616	H200009354	C10orf57	-5.26234641	-1.43394371	0.272491318	0.367191722	0
2260	H200002851	ARHGAP9	-5.25982297	-1.37433075	0.261288405	0.399035840	0
6240	H200008514	DNAJB6	-5.25462343	-1.43311578	0.272734250	0.368803801	0
8769	H200013521	DDX58	-5.25439060	-1.33355370	0.253797976	0.389847402	0
1451	H200001764	PDCL	-5.24825386	-1.57594888	0.300280611	0.353690456	0
5194	H200006920	MTR	-5.24198870	-1.38348924	0.263924500	0.398434461	0
6228	H200008498	BRMS1L	-5.24191602	-1.41622608	0.270173364	0.389736339	0
1294	H200001560	RPS10	-5.24181438	-1.40930398	0.268858048	0.388253980	0
2676	H200003424	TAF4	-5.23630075	-1.21228679	0.231515883	0.435265733	0
3566	H200004679	APITD1	-5.23048611	-1.64522864	0.314546030	0.338725873	0
7627	H200011226	SPATA20	-5.22875218	-1.30932784	0.250409237	0.414220216	0
8723	H200013399	C12orf43	-5.22448051	-1.48759951	0.284736350	0.357607187	0
7744	H200011436	KHLH20	-5.21950922	-1.46651697	0.280968365	0.372901710	0
10123	H200016408	PCSK1N	-5.21784209	-1.55596016	0.298199933	0.357750917	0
11071	H200018994	C7orf23	-5.21603446	-1.55324569	0.297782867	0.337839005	0
5532	H200007429	GOLGA2L1	-5.21318155	-1.77028917	0.339579421	0.320328639	0
8610	H200013127	FAM20C	-5.20226207	-1.55443321	0.298799482	0.357599693	0
5779	H200007869	TCF2	-5.19512023	-1.71395567	0.329916459	0.277718689	0
6223	H200008493	ZNF346	-5.19409494	-1.62047136	0.311983393	0.313469123	0
7620	H200011212	ZNF610	-5.19062264	-1.25506476	0.241794645	0.413144210	0
4075	H200005443	GEFT	-5.18807560	-1.57983612	0.304512934	0.354867456	0
2824	H200003626	CCDC22	-5.18713586	-1.52959540	0.294882464	0.352816492	0
5735	H200007805	CRYBB2	-5.18638642	-1.25944594	0.242836889	0.425801711	0
4382	H200005923	FABP6	-5.18032852	-1.58898928	0.306735233	0.319951517	0
1644	H200002007	LEPR	-5.16837661	-1.32150131	0.255689825	0.402783360	0
5847	H200007975	SCML2	-5.16406185	-1.49483498	0.289468838	0.339052292	0
7520	H200011039	ERCC2	-5.16335727	-1.83994847	0.356347310	0.307030000	0
4211	H200005648	ZNF673	-5.15374627	-1.64828923	0.319823512	0.324566898	0
5188	H200006909	SEMA3B	-5.14832242	-1.37346236	0.266778622	0.398727433	0
6928	H200010006	KHLH25	-5.14444707	-1.59830137	0.310684773	0.334645987	0
7005	H200010163	ZNF169	-5.14301680	-1.65235497	0.321281271	0.339146577	0
8253	H200012275	ZNHIT2	-5.13580734	-1.42278088	0.277031592	0.382844219	0
4737	H200006369	FHIT	-5.13138588	-1.73118573	0.337371964	0.278768600	0
6904	H200009956	KIF18A	-5.12725075	-1.29274901	0.252132980	0.414664851	0
2203	H200002775	TLK1	-5.11690002	-1.39799360	0.273211044	0.389343353	0
3657	H200004814	TCFL5	-5.10882754	-1.56447108	0.306228986	0.333179459	0
8467	H200012809	ANKRD26	-5.10525510	-1.44595089	0.283227940	0.366125156	0
10467	H200017284	PPM1F	-5.09779327	-1.45928671	0.286258512	0.356751403	0
1873	H200002339	KCTD6	-5.09648822	-1.31106827	0.257249348	0.412161508	0
8724	H200013406	PURB	-5.09544838	-1.72062788	0.337679385	0.290448310	0
4077	H200005447	STEAP1	-5.07975504	-1.43348041	0.282194790	0.376837460	0
3106	H200004008	RNF24	-5.07739281	-1.25681341	0.247531255	0.420431699	0
8345	H200012521	TCL1B	-5.07236734	-1.46698196	0.289210514	0.375665631	0
10191	H200016553	L3MBTL2	-5.07018190	-1.27965196	0.252387781	0.416681641	0
1963	H200002458	PEMT	-5.06941868	-1.37665338	0.271560403	0.391547663	0
7781	H200011497	ING2	-5.06728422	-1.40201694	0.276680147	0.379202213	0
9236	H200014323	SHF	-5.06609988	-1.36558931	0.269554360	0.385952083	0
10897	H200018367	POLC3	-5.06260628	-1.27064652	0.250986637	0.422181387	0
8184	H200012156	C8orf70	-5.06005660	-1.30783766	0.258463049	0.413650853	0
10032	H200016211	ZNF219	-5.05727617	-1.42861713	0.282487466	0.375049850	0
11699	H200020672	ZNF429	-5.05573472	-1.49422191	0.295549904	0.354368898	0
2369	H200002998	COL4A3BP	-5.04510564	-1.13812869	0.225590657	0.454153821	0
11005	H200018833	LOC727918	-5.03963041	-1.29332600	0.256631120	0.391541085	0
2667	H200003412	RAB11FIP5	-5.03962474	-1.40801121	0.279388106	0.390335694	0
4625	H200006230	ANK3	-5.03805791	-1.96000743	0.389040273	0.285580749	0
4123	H200005521	PTPN6	-5.03587997	-1.36395359	0.270847120	0.384769602	0
9867	H200015660	RSC1A1	-5.03572410	-1.42842989	0.283659284	0.370776874	0
1654	H200002018	CCDC113	-5.03415247	-1.23206233	0.244740766	0.421587571	0
9173	H200014231	CHMP4C	-5.03112440	-1.65955745	0.329858163	0.341505975	0
5340	H200007094	NPTX1	-5.02648965	-1.42956325	0.284405888	0.386051453	0
6805	H200009687	C18orf43	-5.02486709	-1.32398436	0.263486444	0.399398289	0
9009	H200013953	BACH1	-5.02435166	-1.31574722	0.261874031	0.413472747	0
4607	H200006212	PMM1	-5.01952104	-1.31165087	0.261309965	0.411998508	0
7515	H200011029	RTN1	-5.01511936	-1.33110651	0.265418711	0.409233227	0
5240	H200006978	PTPN2	-5.01508760	-1.34564620	0.268319580	0.387881433	0
4036	H200005370	CDC2L5	-5.00619134	-1.39405017	0.278465219	0.393157616	0
1712	H200002093	MID2	-5.00450855	-1.45080618	0.289899830	0.383606394	0
11314	H200019502	DNAJC4	-5.00310638	-1.34354165	0.268541492	0.381450293	0
5645	H200007660	IRE7	-5.00290531	-1.28393882	0.256638641	0.418948412	0
6046	H200008241	PAWR	-4.98931884	-1.18673573	0.237855261	0.443227066	0
5656	H200007678	HEXA	-4.98771872	-1.36138062	0.272946551	0.387442144	0
5817	H200007923	SCN1B	-4.98559918	-1.51513289	0.303901866	0.370422407	0
9265	H200014379	MORN1	-4.98499723	-1.18861196	0.238437838	0.434888429	0
1809	H200002237	FLJ21963	-4.97805216	-1.62670110	0.326774621	0.341102628	0

6765	H200009627	MND1	-4.97722025	-1.80083045	0.361814498	0.306816678	0
7308	H200010644	ZNF580	-4.97268344	-1.67475540	0.336791075	0.285058067	0
7640	H200011251	LOC157503	-4.97152440	-1.71030377	0.344019990	0.332195142	0
10374	H200017004	DSCR1L2	-4.97042504	-1.42223726	0.286139968	0.382018692	0
576	H200006679	SCNN1A	-4.97006473	-1.20971204	0.243399654	0.419969996	0
5522	H200007408	ZXDA	-4.96685467	-1.34901537	0.271603553	0.402337921	0
11018	H200018866	HNRPAB	-4.96425205	-1.40434565	0.282891690	0.373815843	0
10645	H200017628	GBA	-4.96145922	-1.29303859	0.260616592	0.394739493	0
8698	H200013350	GNL3L	-4.95824509	-1.47713824	0.297915536	0.360375282	0
3019	H200003894	HSPBAP1	-4.95064763	-1.30044209	0.262681207	0.399877565	0
5075	H200006771	MAPK8IP2	-4.94253785	-1.41441876	0.286172570	0.368162211	0
2744	H200003520	TOLLIP	-4.94214561	-1.43332260	0.290020310	0.386638441	0
2187	H200002754	N4BP2	-4.93911249	-1.02090678	0.206698426	0.494525961	0
6396	H200008786	MRFAP1L1	-4.93423991	-1.50351626	0.304710814	0.365466092	0
5798	H200007894	PDGFRL	-4.93200007	-1.56835234	0.317995198	0.338785460	0
9033	H200013994	PDPK1	-4.92503916	-1.16266085	0.236071392	0.452916952	0
5196	H200006922	PHF16	-4.92154475	-1.37981495	0.280362166	0.382281372	0
11665	H200020498	THAP8	-4.91961223	-1.30442278	0.265147479	0.421387318	0
7276	H200010592	LZTS1	-4.90950961	-1.35537592	0.276071548	0.404628697	0
10550	H200017479	MSRB2	-4.90868288	-1.40189269	0.285594471	0.377048845	0
4207	H200005643	SPHK1	-4.90738951	-1.42849940	0.291091505	0.365263864	0
9900	H200015717	ATPIF1	-4.90579973	-1.67187690	0.340795995	0.326098913	0
5533	H200007432	C3orf9	-4.89482429	-1.10658742	0.226072961	0.467603679	0
5819	H200007926	TP53BP1	-4.89396117	-1.18075193	0.241267122	0.441514296	0
8592	H200013091	ZNF358	-4.89280177	-1.10044863	0.224911754	0.464168634	0
5894	H200008032	MGAT2	-4.88787612	-1.41045964	0.288562887	0.388910461	0
6045	H200008236	PRIC285	-4.87749595	-1.01663159	0.208433099	0.492781765	0
9171	H200014229	TRIM24	-4.87367804	-1.68856114	0.346465467	0.280290121	0
8531	H200012958	RNF121	-4.87092073	-1.47617662	0.303059053	0.362602901	0
11878	H200021300	SORT1	-4.86630009	-1.13246520	0.232715858	0.463666811	0
8570	H200013034	C1orf182	-4.86125707	-1.32899686	0.273385431	0.391810073	0
2246	H200002830	MECR	-4.85743958	-1.11786494	0.230134605	0.465828563	0
3813	H200005038	SFRS2IP	-4.84953250	-1.13467746	0.233976670	0.459077882	0
7964	H200011759	ROBO4	-4.84704713	-1.08445240	0.223734652	0.476494790	0
5748	H200007827	ZNF398	-4.84646817	-1.39265845	0.287355327	0.398673210	0
11352	H200019620	HVCN1	-4.84559432	-1.21886952	0.251541801	0.424664221	0
2783	H200003567	RASD1	-4.83880783	-1.30634617	0.269972731	0.419908071	0
3707	H200004887	ZNF228	-4.83840548	-1.19586510	0.247160991	0.442334023	0
2477	H200003146	STK11IP	-4.83790361	-1.32038603	0.272925246	0.403074454	0
10345	H200016958	FAM120C	-4.83735189	-1.79935095	0.371970240	0.319981340	0
795	H200000937	CQNL1	-4.83477904	-1.27428130	0.263565572	0.420894106	0
527	H200000618	CD302	-4.82664906	-1.15563030	0.239427041	0.458758499	0
6627	H200009372	GNL3L	-4.82652048	-1.25276458	0.259558534	0.414190386	0
7111	H200010342	BPI	-4.82613338	-1.65938404	0.343833024	0.291495312	0
11499	H200020042	C1orf72	-4.82073699	-1.43925178	0.298554305	0.384350960	0
7041	H200010226	ARHGAP22	-4.80758161	-1.19783111	0.249154607	0.424522151	0
10359	H200016975	C1orf112	-4.80334240	-1.19000180	0.247744529	0.426274666	0
215	H200000255	SLC10A1	-4.79809814	-1.52233620	0.317279088	0.371663841	0
126	H200000147	FUCA1	-4.79445814	-1.31954147	0.275222232	0.409405993	0
6253	H200008536	UFD1L	-4.79099341	-1.02982811	0.214950850	0.488482002	0
3012	H200003885	GLRX	-4.79039395	-1.38637450	0.289407200	0.393594172	0
11846	H200021207	PDCD6	-4.78878875	-1.17337219	0.245024838	0.455506238	0
4972	H200006646	CD83	-4.78840835	-1.42036922	0.296626587	0.375626528	0
1765	H200002180	ACOX3	-4.78463018	-1.51130707	0.315867060	0.366228753	0
2559	H200003253	MPP2	-4.78392116	-1.07081014	0.223835240	0.477820743	0
4152	H200005557	RNF113A	-4.78353350	-1.37430268	0.287298642	0.376283690	0
3770	H200004975	RABL4	-4.78157350	-1.30313274	0.272532198	0.395137414	0
10749	H200017941	LSG1	-4.77234878	-1.28284727	0.268808366	0.415524933	0
4265	H200005730	LYAR	-4.77048013	-1.75407966	0.367694574	0.315173924	0
7432	H200010904	DOK6	-4.76196381	-1.07357908	0.225448812	0.477168956	0
9986	H200016008	VPREB1	-4.76129478	-1.53149184	0.321654490	0.352342067	0
53	H200000059	LTK	-4.76040865	-1.42384282	0.299100965	0.364112004	0
10465	H200017280	TRFP	-4.75614471	-1.23378850	0.259409369	0.436236505	0
8915	H200013820	FLJ20674	-4.75079828	-1.39313157	0.293241574	0.395908666	0
2213	H200002790	FCHSD2	-4.75047676	-1.30322621	0.274335878	0.404478306	0
5260	H200007000	GRB14	-4.74718198	-1.02797040	0.216543288	0.496380583	0
830	H200009977	C19orf4	-4.74542979	-1.22834049	0.258847047	0.416075365	0
6204	H200008466	ZNF403	-4.74290057	-1.38094566	0.291160577	0.379021899	0
8678	H200013299	ZNF337	-4.73476472	-1.40668631	0.297097404	0.391399508	0
343	H200000397	IGHMBP2	-4.71432842	-1.24004465	0.263037392	0.412742409	0
2989	H200003853	LYRM1	-4.70759257	-1.10682513	0.235114894	0.449609335	0
6337	H200008660	TTC12	-4.70629476	-1.45902597	0.310015850	0.384565776	0
6845	H200009835	FLJ10159	-4.70599591	-1.19139489	0.253165305	0.445937170	0
8490	H200012873	IQSEC2	-4.69991282	-1.76299094	0.375111412	0.316478324	0
8325	H200012476	PRDM15	-4.69243727	-1.31653557	0.280565406	0.400951413	0
9955	H200015858	PIGB	-4.68659330	-1.15537443	0.246527564	0.451365067	0
11530	H200020115	C6orf192	-4.68140873	-1.26185277	0.269545524	0.422846836	0
6101	H200008329	UTP20	-4.67500150	-1.26447949	0.270476810	0.415654432	0
3135	H200004045	ASTN2	-4.65661155	-1.48616291	0.319151146	0.363721096	0
2008	H200002515	ACP6	-4.65351878	-1.27778878	0.274585501	0.420755441	0
7125	H200010365	PTHLLH	-4.65267605	-1.31763463	0.283199306	0.419395459	0
4195	H200005623	HOXB13	-4.64344616	-1.13573352	0.244588497	0.451056888	0
10109	H200016366	ZCCHC6	-4.64176610	-1.05888883	0.228121970	0.472732811	0
7422	H200010875	GLIPR1L1	-4.63985316	-1.32018166	0.284530915	0.398845391	0
4183	H200005606	TOP3B	-4.63892716	-1.42912567	0.308072452	0.376075021	0
10344	H200016956	RNF125	-4.63621330	-1.28726975	0.277655421	0.421069302	0
4166	H200005572	CLEC3B	-4.63251126	-1.45092974	0.313205874	0.350983515	0
9244	H200014336	GBX2	-4.62819453	-1.24734991	0.269511124	0.418474620	0
3915	H200005180	FLJ22531	-4.62601353	-1.32965575	0.287430148	0.397299632	0
6140	H200008384	SLC25A12	-4.62510975	-1.23448375	0.266909073	0.432076919	0
5776,00	H200007865	SSBP2	-4.61965211	-0.83865613	0.181540972	0.562004416	0

6062	H200008270	PMS2	-4.61914985	-1.26537800	0.273941751	0.413644711	0
10770	H200017987	NUDT5	-4.61460369	-1.33429665	0.289146530	0.370583491	0
3064	H200003954	PRR8	-4.61240620	-1.32553266	0.287384199	0.401751912	0
9225	H200014308	SNX24	-4.61204770	-1.19778359	0.259707546	0.424131843	0
7474	H200010979	SNIP1	-4.60579708	-1.48014883	0.321366489	0.369892126	0
7464	H200010965	ZBTB32	-4.60353764	-1.34756499	0.292723792	0.409850356	0
1891	H200002362	SRBD1	-4.59954352	-1.20897978	0.262847774	0.428013302	0
7579	H200011146	MRI1	-4.59938614	-1.10160008	0.239510240	0.469531393	0
2031	H200002539	CLDN2	-4.59892755	-1.21982962	0.265242192	0.424846678	0
6893	H200009927	C1orf26	-4.59806766	-1.05028444	0.228418657	0.489108352	0
7587	H200011162	TULP4	-4.59786510	-1.32170620	0.287460847	0.385661522	0
3761	H200004963	CCL19	-4.59235186	-1.21522597	0.264619525	0.442431458	0
4771	H200006410	IVD	-4.58985334	-1.38691508	0.302169803	0.402604278	0
9724	H200015402	CCDC9	-4.57981551	-1.27538622	0.278479825	0.427057943	0
4340	H200005864	NCLN	-4.57781839	-1.12900171	0.246624398	0.457889854	0
3970	H200005260	LRRC6	-4.57348019	-1.25475164	0.274353793	0.393700385	0
7810	H200011539	CADPS2	-4.57022849	-1.22015035	0.266977975	0.411256419	0
8986	H200013918	CBFA2T2	-4.56467838	-1.38069064	0.302472710	0.382370482	0
10452	H200017256	ACSL1	-4.55931385	-1.44387234	0.316686324	0.374005343	0
4921	H200006590	BCKDHA	-4.55234659	-1.08903458	0.239224882	0.469500603	0
5903	H200008041	ZNF451	-4.53783163	-1.52571791	0.336221798	0.340423506	0
2214	H200002792	LATS2	-4.53672368	-1.15703648	0.255037900	0.443927633	0
3320	H200004326	GRIN2C	-4.53520657	-1.02299074	0.225566514	0.497219696	0
11496	H200020006	NSFL1C	-4.53144408	-1.26118650	0.278318893	0.405546011	0
2302	H200002910	C6orf60	-4.53109910	-1.04688883	0.231045229	0.487943411	0
3013	H200003887	LRRC35	-4.53027488	-1.04596226	0.230882736	0.491098936	0
8073	H200011970	DCLRE1B	-4.52889191	-1.21638126	0.268582532	0.423484290	0
6783	H200009656	C12orf4	-4.52754115	-1.16445274	0.257193187	0.458390509	0
4774	H200006413	HLA-DMB	-4.52692085	-1.35461766	0.299235994	0.394325994	0
1661	H200002029	FRMD5	-4.52670369	-1.30004454	0.287194530	0.420143059	0
1462	H200001778	ZNF84	-4.52218762	-1.32215068	0.292369709	0.376033072	0
6571	H200009239	ZC3H12A	-4.51796860	-1.29252120	0.286084591	0.410232973	0
5895	H200008033	ADCY7	-4.51450386	-1.44902324	0.320970650	0.337531385	0
3947	H200005229	TNRC5	-4.51334634	-1.09045355	0.241606443	0.462102640	0
7452	H200010950	NPFRR2	-4.49962288	-1.27648226	0.283686499	0.392254874	0
3195	H200004119	MAP3K7IP1	-4.49894185	-1.08863509	0.241975808	0.480961251	0
10279	H200016721	TUBD1	-4.49827228	-1.81441472	0.403358134	0.330556623	0
7025	H200010198	ZNF254	-4.48503026	-1.60557277	0.357984826	0.332301475	0
11321	H200019514	C1orf58	-4.48222065	-1.46866181	0.327663880	0.392339013	0
10744	H200017929	PHF20	-4.47926081	-1.53650021	0.343025395	0.373166607	0
1805	H200002232	SENP5	-4.47230620	-1.00746969	0.225268495	0.496205467	0
6263	H200008549	GRIK1	-4.46692243	-1.06960097	0.239449192	0.485850325	0
1002	H200001184	ARL3	-4.46110049	-1.18305905	0.265194440	0.422342514	0
2134	H200002683	TNFAIP8	-4.45772467	-1.23813558	0.277750573	0.436357739	0
11656	H200020475	C1orf163	-4.45624435	-1.37596460	0.308772250	0.372204503	0
8837	H200013681	JMJD2C	-4.45355021	-1.44921606	0.325406921	0.394616774	0
763	H200000894	FAM77C	-4.45217230	-1.13694430	0.255368442	0.459339590	0
8933	H200013844	CDS1	-4.44881211	-1.14545364	0.257474042	0.464710582	0
516	H200000604	TPD52	-4.444373025	-1.08621191	0.244436960	0.478624945	0
11217	H200019289	FBXO38	-4.44019868	-1.43239799	0.322597723	0.360420168	0
624	H200000732	SMARCA3	-4.44013290	-1.29548631	0.291767462	0.391362811	0
629	H200000738	KARS	-4.43047693	-1.28118536	0.289175494	0.408690044	0
5920	H200008062	ARHGAP11A	-4.42815861	-1.08529701	0.245089913	0.456327354	0
173	H200000204	TRIM23	-4.42635371	-1.07264028	0.242330448	0.482669474	0
9308	H200014475	RSRC1	-4.42495873	-1.42263536	0.321502514	0.392548328	0
9968	H200015874	RHO	-4.42474527	-1.52076665	0.343695865	0.356040237	0
3417	H200004469	RPL9	-4.42380645	-1.13209188	0.255908998	0.462521490	0
6051	H200008254	SPATA7	-4.41082434	-1.15491698	0.261836993	0.459171719	0
2622	H200003349	SLC22A6	-4.41039456	-1.43283598	0.324877052	0.384499665	0
11188	H200019176	ELOF1	-4.41015219	-1.24987467	0.283408512	0.435632533	0
800	H200000942	SLC12A6	-4.40746913	-1.32712373	0.301107891	0.410671180	0
6925	H200010003	DBP	-4.40745682	-1.12433713	0.255098842	0.456898257	0
9402	H200014696	MRM1	-4.40474758	-1.37356602	0.311837625	0.389871368	0
5827	H200007941	TMOD1	-4.40020994	-1.27106579	0.288864806	0.414569093	0
9519	H200014921	ZNF253	-4.39921302	-1.80282283	0.409805758	0.324249959	0
10695	H200017792	CHODL	-4.39772130	-1.03725292	0.235861449	0.499153575	0
4555	H200006136	CENPE	-4.39315599	-1.34461343	0.306070040	0.416813347	0
2447	H200003110	SMC1A	-4.38068097	-1.40023996	0.319639793	0.360019491	0
9799	H200015558	HIPK2	-4.37392853	-1.28246508	0.293206684	0.411590494	0
2633	H200003367	C13orf25	-4.37263564	-1.29353326	0.295824616	0.406198845	0
11813	H200021115	RFWD3	-4.36594904	-1.33146563	0.304965911	0.381596754	0
8917	H200013822	UGCG	-4.36472561	-1.37678743	0.315435048	0.375192701	0
5248	H200006986	CUL2	-4.35958481	-1.02562772	0.235258118	0.490888523	0
8508	H200012906	AFF3	-4.34916510	-1.11723940	0.256885949	0.463358161	0
9934	H200015812	SLC2A6	-4.34836667	-1.28540592	0.295606607	0.412422330	0
2618	H200003345	CEECAM1	-4.34797877	-1.59120030	0.365963218	0.314692978	0
9159	H200014205	PPF1A1	-4.34580892	-1.12803108	0.259567574	0.466261045	0
4163	H200005569	LIPG	-4.34512790	-1.09019228	0.250899929	0.476861654	0
7729	H200011417	TUT1	-4.33815088	-1.31153752	0.302326396	0.416742542	0
9670	H200015286	DHDDS	-4.32816669	-1.32362245	0.305815961	0.416172252	0
6366	H200008725	G6PC2	-4.32539606	-1.13862095	0.263240853	0.464303675	0
7913	H200011689	REV1L	-4.32361015	-1.06384858	0.246055620	0.461625401	0
11765	H200020982	C10orf86	-4.31681543	-1.28821904	0.298418836	0.384514914	0
6870	H200009884	COQ3	-4.31664869	-1.08946435	0.252386615	0.473624957	0
9815	H200015584	C12orf35	-4.31383372	-1.16527378	0.270124872	0.463454228	0
10510	H200017355	OPTN	-4.31001685	-1.22361454	0.283900175	0.444944283	0
2644	H200003384	LRIG2	-4.30311956	-1.09303169	0.254009138	0.457270549	0
10019	H200016173	ATP6V1G2	-4.29913905	-1.08837838	0.253161940	0.475792404	0
658	H200000776	ASB6	-4.29267719	-1.03204817	0.240420635	0.489314185	0
5511	H200007378	VPS13B	-4.29186600	-1.23312082	0.287315777	0.400561018	0
8445	H200012760	SNX16	-4.29148190	-1.21801773	0.283822176	0.405250002	0

1275	H200001530	BTBD3	-4.28859910	-1.28287240	0.299135538	0.390830165	0
5535	H200007438	GPR180	-4.28292216	-1.04309685	0.243547934	0.484470536	0
10005	H200016139	CXorf56	-4.28206890	-1.39178717	0.325026805	0.407909530	0
6458	H200008893	WDR55	-4.28034601	-1.07948128	0.252194865	0.466600168	0
1035	H200001226	SYN2	-4.27600038	-1.23129312	0.287954399	0.404302805	0
6288	H200008590	HIST1H2BM	-4.27413286	-1.28079999	0.299663119	0.428793854	0
9364	H200014631	TERF1	-4.26945152	-1.25029590	0.292846960	0.441833412	0
2109	H200002646	NFU1	-4.26888668	-1.23497110	0.289309380	0.447040252	0
11084	H200019018	PKX	-4.26859968	-1.13249468	0.265308244	0.449016746	0
7299	H200010628	OMD	-4.26824392	-1.22194658	0.286287897	0.429772458	0
8619	H200013147	ASAM	-4.26039252	-1.11595920	0.261938117	0.475970393	0
10504	H200017346	BCOR	-4.25803153	-1.05298841	0.247294647	0.493761208	0
6718	H200009533	WDR85	-4.25659088	-1.39199653	0.327021451	0.368144560	0
8781	H200013557	CHEK2	-4.25614577	-1.22472061	0.287753446	0.442577228	0
6556	H200009222	FRAS1	-4.25420516	-1.13869447	0.267663272	0.466086423	0
9568	H200015057	RXFP1	-4.24185712	-1.12987019	0.266362153	0.465147940	0
6088	H200008312	TSR2	-4.24056437	-1.28559031	0.303164910	0.420661687	0
11331	H200019543	RAXL1	-4.23173067	-1.11354659	0.263142122	0.474554249	0
9849	H200015636	SFRS1	-4.23110805	-1.37284880	0.324465550	0.410706635	0
3398	H200004444	CLDN15	-4.23059985	-1.48848128	0.351836933	0.344379234	0
11602	H200020367	FAM48A	-4.22711248	-1.31816203	0.311835098	0.419100920	0
4850	H200006509	COL18A1	-4.22584617	-1.14275378	0.270420109	0.470562406	0
9976	H200015945	TFAP2D	-4.22538524	-1.02134178	0.241715659	0.489689525	0
6264	H200008552	CC2D1A	-4.21048608	-1.11844103	0.265632284	0.469412830	0
7115	H200010346	SELE	-4.20375536	-1.35210895	0.321643111	0.402049753	0
9989	H200016056	CHRNG	-4.19977132	-1.05901366	0.252159839	0.487795119	0
5078	H200006775	TCEA2	-4.19591550	-1.15292591	0.274773387	0.447771621	0
9818	H200015587	C1orf69	-4.19496386	-1.42044556	0.338607342	0.370895925	0
5012	H200006692	MFG	-4.19443958	-1.19270180	0.284353076	0.447856649	0
6552	H200009213	FUSIP1	-4.19433631	-1.17252187	0.279548845	0.465284250	0
3129	H200004039	HRBL	-4.19419096	-1.28259851	0.305803557	0.427413279	0
5197	H200006923	RGS3	-4.18772790	-1.35845151	0.324388676	0.399409516	0
502	H200000588	CHRNA2	-4.18298145	-1.05756812	0.252826394	0.467045489	0
5258	H200006998	PEX11B	-4.17665820	-1.29922092	0.311067091	0.431337524	0
5330	H200007083	ANKHD1	-4.17584450	-1.29568195	0.310280219	0.410613697	0
11151	H200019114	SMA5	-4.17536582	-1.27120816	0.304454321	0.423206164	0
116	H200000134	NR2C2	-4.17301986	-1.39528691	0.334359040	0.351307648	0
5963	H200008111	SLC24A1	-4.17202170	-1.15826682	0.277627227	0.448381433	0
5474	H200007302	PKNOX1	-4.16281249	-1.04897321	0.251986658	0.495684618	0
2288	H200002891	KBTBD2	-4.14457961	-1.12342549	0.271058972	0.464935115	0
10223	H200016601	RNUXA	-4.14288111	-1.04610523	0.252506699	0.480011213	0
3030	H200003908	ZNF584	-4.12626138	-1.15062285	0.278853602	0.468216065	0
8893	H200013778	CRY1	-4.12603451	-1.12709746	0.273167241	0.474897639	0
3113	H200004020	MVP	-4.12170933	-1.24251783	0.301456926	0.444827147	0
10812	H200018145	FKBP9L	-4.11864903	-1.21633186	0.295323018	0.435517909	0
8780	H200013556	VPS36	-4.11704090	-1.42222281	0.345447823	0.385968014	0
22	H200000021	AZGP1	-4.11632010	-1.33455690	0.324211157	0.422727593	0
8949	H200013866	DOM3Z	-4.11238063	-1.35540885	0.329592265	0.419672097	0
2585	H200003294	KIAA1468	-4.11224127	-1.19863680	0.291480173	0.429617641	0
6561	H200009228	TROVE2	-4.10990932	-1.09263083	0.265852782	0.471848885	0
5919	H200008061	DLX4	-4.09823945	-1.40522607	0.342885301	0.360720217	0
7513	H200011026	KRT10	-4.09752564	-1.61661186	0.394533677	0.350566697	0
4877	H200006542	NSMAF	-4.09495048	-1.03649385	0.253115112	0.495332546	0

1175	H200019157	LOC284701	-4.09148970	-1.10713582	0.270594797	0.463920226	0
1221	H200001466	HIST1H1C	-4.09110120	-1.17621993	0.287506925	0.420389684	0
6058	H200008266	DUSP10	-4.09049905	-1.41214725	0.345226154	0.390919233	0
7961	H200011755	CAMK2D	-4.08597246	-1.21032307	0.296214202	0.419584081	0
6214	H200008481	NCAPH2	-4.08582150	-1.05909158	0.259211416	0.488418598	0
3380	H200004416	ZNF77	-4.08482951	-1.15486511	0.282720518	0.442486171	0
8573	H200013039	C1orf97	-4.07804978	-1.38055717	0.338533674	0.410045428	0
5723	H200007783	C12orf32	-4.07674371	-1.17188754	0.287456760	0.461940559	0
5331	H200007084	BCL2L11	-4.07658622	-1.10093271	0.270062412	0.463361192	0
9334	H200014548	BIN1	-4.07277193	-1.09014289	0.267666079	0.481523290	0
650	H200000766	PSEN1	-4.07060240	-1.13878288	0.279757825	0.474743544	0
6663	H200009430	MLL3	-4.07048543	-1.34212894	0.329722084	0.374739411	0
1081	H200001284	JMJD1C	-4.06699338	-1.21986575	0.299942891	0.441315553	0
3062	H200003948	PLEKHF2	-4.06692100	-1.35480899	0.333128919	0.359685726	0
8750	H200013467	SH3RF2	-4.06328118	-1.17033175	0.288026278	0.442190950	0
7327	H200010674	C10orf35	-4.06244858	-1.31987761	0.324897063	0.420603735	0
8680	H200013305	ABCC4	-4.06193984	-1.27147356	0.313021269	0.380998010	0
598	H200000703	PRM1	-4.06015485	-1.31258545	0.323284579	0.407429629	0
7243	H200010539	LOC144438	-4.05848521	-1.18118606	0.291041114	0.417615150	0
420	H200000484	POMC	-4.05776992	-1.46454098	0.360922627	0.390905399	0
9848	H200015635	NADSYN1	-4.056654725	-1.41080090	0.347783673	0.406115107	0
7751	H200011453	NDUFAF1	-4.04531802	-1.17442744	0.290317704	0.456013342	0
7372	H200010746	RHOF	-4.04011654	-1.07386630	0.265800823	0.475680268	0
2047	H200002559	TYW1	-4.03497072	-1.14308379	0.283294166	0.461620401	0
209	H200000247	PRTN3	-4.02886939	-1.31819378	0.327187023	0.388733238	0
7998	H200011810	ARRB1	-4.02639621	-1.28988587	0.320357411	0.408939179	0
3573	H200004690	RAB17	-4.02608204	-1.14729046	0.284964502	0.469407698	0
2717	H200003482	WDR51B	-4.02525169	-1.10507432	0.274535459	0.480264152	0
3455	H200004521	C16orf14	-4.02365835	-1.08767701	0.270320420	0.461677187	0
8028	H200011879	GRIN2D	-4.02194693	-1.03933261	0.258415298	0.497523400	0
7624	H200011220	LSM2	-4.02070323	-1.09977258	0.273527421	0.449572575	0
9303	H200014464	TIMP4	-4.02037874	-1.18051752	0.293633410	0.438917147	0
2898	H200003727	C14orf101	-4.01250537	-0.99826225	0.248787766	0.484809406	0
8048	H200011922	COPS7B	-4.01168557	-1.10019744	0.274248172	0.477375686	0
4533	H200006104	HSD17B4	-4.00887038	-1.28934728	0.321623590	0.435075015	0
8082	H200011985	MANBA	-4.00748979	-1.13556577	0.283360864	0.473151427	0
4076	H200005446	CBARA1	-4.00234306	-1.40189546	0.350268691	0.400139495	0
11336	H200019567	C7orf27	-3.99936694	-1.35702304	0.339309462	0.348771382	0
7528	H200011049	PPOX	-3.99385428	-1.07604382	0.269424907	0.461513058	0
2294	H200002898	IFIT1	-3.98840712	-1.18156401	0.296249598	0.443708487	0
2531	H200003215	NKIRAS2	-3.98833141	-1.21176202	0.303826814	0.414172369	0
5889	H200008025	PYGO2	-3.98457336	-1.04051611	0.261136141	0.499639261	0
11789	H200021047	DPH4	-3.97800593	-1.08520712	0.272801786	0.460481346	0
7628	H200011231	RAB31P	-3.97614802	-1.16363451	0.292653721	0.466108723	0
7653	H200011280	IGH31	-3.97601092	-1.01182712	0.254482984	0.496642849	0
6918	H200009985	MLLT10	-3.97321427	-1.25096471	0.314849547	0.425088630	0
11516	H200020092	CCDC128	-3.97241023	-1.13145501	0.284828341	0.452433341	0
6124	H200008359	TAPBP	-3.97171742	-1.21856020	0.306809391	0.434543183	0
1276	H200001531	BAIAP2	-3.97091159	-1.37418659	0.346063255	0.366602820	0
3986	H200005291	FARS2	-3.96793287	-1.15811313	0.291868126	0.466839561	0
6562	H200009229	CTSH	-3.96692711	-1.14914181	0.289680595	0.470034167	0
9122	H200014125	ZNF609	-3.95568908	-1.00449143	0.253935892	0.483755332	0
11391	H200019706	SLC7A6	-3.94939309	-1.34162823	0.339704911	0.421947297	0
5408	H200007184	PRRX2	-3.94585725	-1.28820176	0.326469427	0.441006208	0
4492	H200006054	ST3GAL4	-3.94105130	-1.21338609	0.307883861	0.445787693	0
2908	H200003742	GFEER	-3.94014956	-1.13670013	0.288491621	0.469870359	0
10646	H200017630	PLTP	-3.93602683	-1.29324648	0.328566479	0.424437307	0
6872	H200009888	DPYSL5	-3.92983345	-1.44109299	0.366705869	0.332387461	0
8438	H200012731	F2R	-3.51949658	-0.95474520	0.271273228	0.530827206	0
7340	H200010693	NFRKB	-3.14367371	-0.91555635	0.291237715	0.508280505	0

Significant: 1794

Median number of false positives: 0

False Discovery Rate (%): 0

SAM Plotsheet

Tail strength (%): 85

se (%): 56.4

