

Supplemental Table-1. Differentially expressed probe sets for monotonic trend using Bonferroni corrected p-value

Symbol	Unigene	Chromosome	Map	Normal Donor Kidney	Normal Allograft	CAN	trend
KLRK1	Hs.387787	12	12p13.2-p12.3	5.304	6.582	7.867	0.87
TARP	Hs.534032	7	7p15-p14	5.391	6.36	7.435	0.87
PRSS1	Hs.511522	7	7q32-qter 7q34	5.626	6.905	9.135	0.87
PTGER3	Hs.445000	1	1p31.2	7.931	5.967	4.76	-0.87
CD2	Hs.523500	1	1p13	5.175	6.889	8.522	0.87
GPR18	Hs.631765	13	13q32	3.863	4.202	5.405	0.87
PLXNC1	Hs.584845	12	12q23.3	5.576	7.122	8.646	0.87
SELL	Hs.82848	1	1q23-q25	4.537	5.274	7.693	0.87
P2RY13	Hs.546396	3	3q24	4.188	5.056	6.326	0.87
CD3D	Hs.504048	11	11q23	5.926	7.291	8.954	0.86
TRD@	Hs.74647	14	14q11.2	4.39	4.978	6.044	0.87
SLC25A4	Hs.246506	4	4q35	8.44	7.779	6.793	-0.86
CCL5	Hs.514821	17	17q11.2-q12	4.277	6.907	8.762	0.86
ITGA4	Hs.440955	22	2q31.3	3.855	4.049	5.736	0.86
BTN3A1	Hs.191510	6	6p22.1	6.276	7.565	7.961	0.86
EVI2B	Hs.5509	17	17q11.2	5.121	7.697	9.632	0.86
PLAC8	Hs.546392	4	4q21.22	4.568	6.328	7.392	0.86
PTPRC	Hs.192039	1	1q31-q32	5.642	9.055	10.353	0.86
TRGC2	Hs.534032	7	7p14	4.693	5.921	7.125	0.86
PTGER3	Hs.445000	1	1p31.2	7.43	6.763	5.741	-0.86
BTN3A3	Hs.167741	6	6p21.3	7.75	10.017	10.384	0.86
BTN3A3	Hs.167741	6	6p21.3	5.378	7.247	7.851	0.86
PTPN22	Hs.535276	1	1p13.3-p13.1	3.941	4.742	5.768	0.86
ARHGAP15	Hs.171011	22	2q22.2	5.644	6.833	8.298	0.86
GVIN1	Hs.494757	11	11p15.4	4.655	5.204	5.882	0.86
IL2RG	Hs.84	X	Xq13.1	5.966	7.194	8.769	0.86
PTPRC	Hs.192039	1	1q31-q32	5.176	7.809	9.512	0.86
GZMH	Hs.348264	14	14q11.2	4.988	5.673	6.58	0.86
DOCK10	Hs.46578						
	Hs.603220	22	2q36.2	4.39	5.497	6.891	0.85
ATP5G3	Hs.429	22	2q31.1	10.944	10.537	9.689	-0.86
GOT1	Hs.500756	10	10q24.1-q25.1	9.702	9.011	7.351	-0.85
PTGER3	Hs.445000	1	1p31.2	7.411	6.655	5.555	-0.85
CCL5	Hs.514821	17	17q11.2-q12	4.567	6.507	8.979	0.85
LCK	Hs.470627	1	1p34.3	4.65	6.213	7.938	0.85
CASP1	Hs.2490	11	11q23	4.526	5.575	7.324	0.85
GZMK	Hs.277937	5	5q11-q12	4.881	5.848	8.545	0.85
PRSS1	Hs.511522	7	7q32-qter 7q34	4.797	6.571	9.16	0.85
SLAMF7	Hs.517265	1	1q23.1-q24.1	5.142	5.633	7.641	0.85
BIN2	Hs.14770	12	12q13	6.125	6.994	7.811	0.86

CD3E	Hs.3003	11 11q23	5.002	5.677	6.751	0.86
XCL1	Hs.546295	1 1q23	4.89	6.165	7.27	0.85
ITGAL	Hs.174103	16 16p11.2	4.994	5.419	6.024	0.85
PPP1R1A	Hs.505662	12 12q13.2	9.228	7.935	6.231	-0.85
NA	NA NA	NA	9.288	8.798	8.525	-0.85
APOBEC3G	Hs.441124	22 22q13.1-q13.2	5.631	7.85	8.982	0.85
RGS10	Hs.501200	10 10q25	5.722	7.302	8.484	0.85
CD8A	Hs.85258	2 2p12	5.045	7.27	7.943	0.86
TRGV9	Hs.534032	7 7p14	5.273	6.362	7.533	0.85
PRSS1	Hs.511522	7 7q32-qter 7q34	5.415	7.254	9.742	0.85
TARP	Hs.534032	7 7p15-p14	5.215	6.419	7.725	0.85
GIMAP4	Hs.438823	7 7q36.1	7.028	8.274	9.105	0.85
ITM2A	Hs.17109 X	Xq13.3-Xq21.2	7.515	8.059	9.209	0.85
LCK	Hs.470627	1 1p34.3	4.968	5.557	6.672	0.85
CXorf9	Hs.61469 X	Xq26	5.381	6.198	7.271	0.85
ARHGEF6	Hs.522795 X	Xq26	5.853	6.657	8.016	0.85
WASPIP	Hs.591641	2 2q31.1	6.115	7.489	8.601	0.85
RHOH	Hs.160673	4 4p13	4.727	5.096	6.461	0.85
ITK	Hs.558348	5 5q31-q32	4.48	4.928	6.693	0.85
TRIM22	Hs.501778					
	Hs.621411	11 11p15	7.169	9.32	9.939	0.85
CD52	Hs.276770	1 1p36	4.835	6.765	9.445	0.85
AHCYL1	Hs.485365					
	Hs.592725	1 1p13.2	9.216	8.505	7.784	-0.85
MAOA	Hs.183109 X	Xp11.3	7.646	7.041	4.694	-0.85
CCL4	Hs.75703	17 17q12	5.46	7.388	8.176	0.85
CD37	Hs.166556	19 19q13.3	4.245	5.576	6.958	0.84
HLA-DRB5	Hs.534322	6 6p21.3	10.084	11.475	12.007	0.85
P2RY14	Hs.2465	3 3q21-q25	4.508	5.33	6.268	0.84
GPR171	Hs.549152	3 3q25.1	4.046	5.311	6.783	0.85
MAP3K15	Hs.471144 X	Xp22.12	9.243	8.89	8.07	-0.84
GADD45A	Hs.80409	1 1p31.2-p31.1	10.01	8.655	7.814	-0.85
UQCRFS1	Hs.170107	19 19q12-q13.1	10.675	10.384	9.574	-0.84
BRP44L	Hs.172755	6 6q27	10.849	9.884	9.236	-0.85
NDUFB4	Hs.304613					
	Hs.594079	3 3q13.33	11.531	10.996	10.598	-0.85
NR3C1	Hs.122926	5 5q31.3	8.078	8.561	9.111	0.84
ITM2A	Hs.17109 X	Xq13.3-Xq21.2	6.277	7.33	8.299	0.84
INPP5D	Hs.262886					
	Hs.601911	2 2q37.1	5.324	5.904	6.761	0.84
CD48	Hs.243564	1 1q21.3-q22	5.298	6.823	8.6	0.84
TRAC	Hs.74647	14 14q11	6.268	7.561	8.617	0.84
HLA-DPA1	Hs.347270	6 6p21.3	8.307	11.071	11.644	0.85
CUGBP2	Hs.309288	10 10p13	6.094	7.452	8.994	0.84
HLA-DOB	Hs.1802	6 6p21.3	5.082	5.496	6.615	0.84
CD180	Hs.87205	5 5q12	5.852	6.031	7.233	0.84
CASP1	Hs.2490	11 11q23	6.366	8.47	9.127	0.85

CASP1	Hs.2490	11 11q23	6.62	8.445	9.247	0.85
LILRB1	Hs.67846	19 19q13.4	7.407	10.278	11.172	0.84
PCP4	Hs.80296	21 21q22.2	9.026	6.903	5.827	-0.84
GOT2	Hs.599470	16 16q21	9.384	9.042	8.326	-0.84
EGF	Hs.419815	4 4q25	8.169	5.597	4.703	-0.84
ADCY7	Hs.513578	16 16q12-q13	4.135	5.201	6.588	0.84
CD52	Hs.276770	1 1p36	5.786	7.078	8.749	0.84
RNASE6	Hs.23262	14 14q11.2	5.554	8.416	9.067	0.85
XCL2	Hs.458346					
	Hs.546295	1 1q23-q25	4.68	5.856	6.928	0.84
SAMD9	Hs.65641	7 7q21.2	4.899	5.456	6.164	0.84
DENND1C	Hs.236449	19 19p13.3	5.981	6.38	6.685	0.84
GZMA	Hs.90708	5 5q11-q12	4.362	7.681	8.555	0.84
BTK	Hs.159494 X	Xq21.33-q22	4.438	4.909	5.635	0.83
ADAMDEC1	Hs.521459	8 8p21.2	3.803	5.316	8.429	0.84
LCP1	Hs.381099	13 13q14.3	6.786	9.192	10.076	0.85
CLEC2B	Hs.85201	12 12p13-p12	7.009	8.953	9.743	0.84
NR3C1	Hs.122926	5 5q31.3	7.712	8.388	8.794	0.83
ITGA4	Hs.440955	2 2q31.3	4.499	5.318	7.793	0.84
TRAF3IP3	Hs.147434	1 1q32.3-q41	4.475	4.948	6.986	0.84
GABARAPL3	Hs.592014	15 15q26.1	10.695	9.811	8.801	-0.84
C13orf18	Hs.98117	13 13q14.12	4.817	5.209	6.062	0.84
ATP5G3	Hs.429	2 2q31.1	10.674	10.189	9.415	-0.83
STAT4	Hs.80642	2 2q32.2-q32.3	4.915	5.723	6.786	0.83
TNFRSF7	Hs.355307	12 12p13	5.157	5.577	7.213	0.83
ZNF430	Hs.466289	19 19p12	5.886	6.458	6.869	0.84
CD44	Hs.502328	11 11p13	5.538	6.657	8.156	0.83
PTPRC	Hs.192039	1 1q31-q32	4.535	7.569	8.852	0.84
C12orf35	Hs.445129	12 12p11.21	6.721	7.429	8.699	0.83
NDUFS1	Hs.471207	2 2q33-q34	9.028	8.243	7.498	-0.84
HYAL1	Hs.75619					
	Hs.129910	3 3p21.3-p21.2	8.579	7.928	6.487	-0.83
PTGER3	Hs.445000	1 1p31.2	8.388	6.713	5.296	-0.84
SGK2	Hs.472793	20 20q13.2	8.124	7.708	7.094	-0.83
MFAP3L	Hs.178121					
	Hs.593942	4 4q32.3	9.154	8.542	6.658	-0.82
NDUFB1	Hs.183435	14 14q32.12	11.322	10.595	10.314	-0.84
HINT1	Hs.483305	5 5q31.2	11.142	10.986	10.601	-0.83
MFAP3L	Hs.178121					
	Hs.593942	4 4q32.3	4.669	4.481	4.28	-0.83
PTGER3	Hs.445000	1 1p31.2	6.82	6.111	4.972	-0.83
HLA-DPB1	Hs.485130	6 6p21.3	8.72	11.396	11.983	0.84
ARL4C	Hs.111554	2 2q37.1	4.885	7.086	8.76	0.83
RUNX3	Hs.170019	1 1p36	4.428	4.717	5.396	0.83
EVI2A	Hs.591198	17 17q11.2	4.813	7.217	8.543	0.83
C6orf32	Hs.559459	6 6p22.3-p21.32	4.967	5.191	5.852	0.83
PSCDBP	Hs.270	2 2q11.2	5.215	6.291	8.464	0.83
CST7	Hs.143212	20 20p11.21	5.897	6.377	7.598	0.83

CASP1	Hs.2490	11 11q23	5.568	8.15	9.015	0.84
PABPC1	Hs.387804	8 8q22.2-q23	9.714	10.034	10.299	0.83
CLEC4A	Hs.504657	12 12p13	4.944	5.539	6.262	0.83
PLEK	Hs.468840	2 2p14	5.227	8.233	8.606	0.84
PIK3CD	Hs.518451	1 1p36.2	6.043	6.59	7.131	0.83
CD44	Hs.502328	11 11p13	6.123	6.983	8.358	0.83
ADAM28	Hs.174030	8 8p21.2	5.059	5.475	7.685	0.83
CD160	Hs.488237	1 1q21.1	4.326	4.502	5.095	0.83
PRKCB1	Hs.460355	16 16p11.2	4.961	5.875	7.48	0.83
CASP1	Hs.2490	11 11q23	5.106	7.295	7.829	0.84
LST1	Hs.436066	6 6p21.3	6.145	7.203	8.015	0.83
DOCK2	Hs.586174	5 5q35.1	5.162	5.99	7.494	0.83
TRAT1	Hs.138701	3 3q13	3.747	3.859	5.263	0.83
COX5A	Hs.401903	15 15q25	10.768	10.225	9.6	-0.83
MAOA	Hs.183109 X	Xp11.3	9.824	9.149	5.944	-0.83
ATP5G1	Hs.80986	17 17q21.32	8.702	8.202	7.655	-0.83
ACVR1B	Hs.438918					
	Hs.638696	12 12q13	9.226	8.827	8.003	-0.83
NUDT4	Hs.591008	12 12q21	9.694	9.011	8.303	-0.83
MNDA	Hs.153837	1 1q22	4.798	6.82	8.4	0.83
LY86	Hs.544738	6 6p25.1	5.664	7.249	8.068	0.84
CRTAM	Hs.159523	11 11q22-q23	4.047	4.388	5.447	0.83
CD247	Hs.156445	1 1q22-q23	4.704	5.327	6.062	0.83
LST1	Hs.436066	6 6p21.3	6.123	7.421	8.123	0.83
BTN3A2	Hs.376046	6 6p22.1	5.511	7.17	7.562	0.84
LPXN	Hs.125474	11 11q12.1	5.767	6.92	8.373	0.83
TRA@	Hs.74647	14 14q11.2	5.499	6.365	7.406	0.83
CD69	Hs.208854	12 12p13-p12	4.381	4.856	7.597	0.82
CD44	Hs.502328	11 11p13	4.685	5.145	6.003	0.83
TRA@	Hs.74647	14 14q11.2	6.065	6.608	7.775	0.83
RAC2	Hs.517601	22 22q13.1	5.916	8.285	9.158	0.83
MYBL1	Hs.445898	8 8q22	3.957	4.355	4.826	0.83
HLA-F	Hs.519972	6 6p21.3	4.881	5.497	6.072	0.83
DNASE1	Hs.30345					
	Hs.629638	16 16p13.3	5.721	4.845	4.465	-0.83
BAG3	Hs.643507	10 10q25.2-q26.2	8.386	7.796	6.845	-0.82
LSP1	Hs.56729	11 11p15.5	5.251	5.648	6.896	0.81
GMFG	Hs.5210	19 19q13.2	6.257	7.847	8.712	0.83
FGL2	Hs.520989	7 7q11.23	6.906	8.871	9.093	0.84
STK17B	Hs.88297	2 2q32.3	3.938	4.22	5.177	0.82
LCP2	Hs.304475	5 5q33.1-qter	5.521	7.892	8.546	0.83
CORO1A	Hs.415067	16 16p11.2	5.589	7.175	8.552	0.82
GZMB	Hs.1051	14 14q11.2	4.194	6.187	7.364	0.84
PDE4B	Hs.198072	1 1p31	4.719	5.206	6.289	0.83
NA	NA NA	NA	4.642	5.011	6.127	0.82
HLA-DQA1	Hs.387679	6 6p21.3	6.885	10.933	11.325	0.84
FXYD5	Hs.333418	19 19q12-q13.1	5.962	6.467	7.832	0.82
BTN3A3	Hs.167741	6 6p21.3	4.424	6.738	6.937	0.84

DDT	Hs.632781	2222q11.23	8.65	7.963	7.163	-0.82
ANG	Hs.283749	14 14q11.1-q11.2	7.774	6.939	6.357	-0.82
CYCS	Hs.437060					
	Hs.617193	7 7p15.2	11.595	10.938	10.439	-0.82
NUDT4	Hs.591008	12 12q21	8.32	6.759	6.011	-0.81
THAP4	Hs.435759					
	Hs.600486	2 2q37.3	8.253	7.795	7.35	-0.82
MBNL1	Hs.478000					
	Hs.558914	3 3q25	8.631	9.164	9.949	0.82
IL2RB	Hs.474787	22 22q13				
		2 2q13.1	5.426	6.156	6.804	0.82
MDFIC	Hs.427236	7 7q31.1-q31.2	7.183	7.768	8.764	0.82
LST1	Hs.436066	6 6p21.3	6.078	7.554	8.145	0.83
FAM111A	Hs.150651	11 11q12.1	7.168	7.701	7.921	0.83
ARHGAP25	Hs.531807	2 2p14	5.439	6.307	7.115	0.82
GIMAP5	Hs.438823	7 7q36.1	6.732	7.501	8.269	0.82
PRDX2	Hs.631612	19 19p13.2	7.067	6.778	6.371	-0.81
EMP3	Hs.9999	19 19q13.3	6.682	7.574	8.796	0.82
ARHGAP25	Hs.531807	2 2p14	5.486	6.764	7.429	0.83
ZNFN1A1	Hs.435949	7 7p13-p11.1	4.517	4.712	5.133	0.82
CRLF3	Hs.370168	17 17q11.2	6.554	7.186	8.082	0.82
CEP110	Hs.643601	9 9q33-q34	4.768	5.108	5.439	0.82
FCGR2B	Hs.352642	1 1q23	5.129	5.641	7.772	0.82
CXCR6	Hs.34526	3 3p21	4.712	5.38	6.148	0.82
NKG7	Hs.10306	19 19q13.33	4.514	5.63	6.302	0.83
MS4A1	Hs.438040	11 11q12	4.152	4.295	5.733	0.82
GIMAP5	Hs.438823	7 7q36.1	6.829	7.727	8.634	0.82
C1orf54	Hs.91283	1 1q21.2	7.511	8.664	8.811	0.84
CLEC2D	Hs.268326	12 12p13	4.003	4.442	5.269	0.82
NDUFS2	Hs.173611	1 1q23	9.647	9.28	8.677	-0.82
NDUFA6	Hs.274416	22 22q13.2-q13.31	10.614	9.977	9.567	-0.82
COX5B	Hs.1342	2 2cen-q13	10.655	10.304	9.679	-0.82
AGT	Hs.19383	1 1q42-q43	10.256	9.556	5.947	-0.82
MAOA	Hs.183109 X	Xp11.3	10.268	9.837	7.28	-0.82
ARL4C	Hs.111554	2 2q37.1	5.128	6.419	7.227	0.83
RGS19	Hs.422336	20 20q13.3	6.675	7.235	7.955	0.82
LCP2	Hs.304475	5 5q33.1-qter	4.152	7.098	7.873	0.83
AIM2	Hs.281898	1 1q22	4.518	6.681	6.77	0.84
CCR5	Hs.450802					
	Hs.536735	3 3p21	5.937	6.339	7.847	0.82
AIF1	Hs.76364	6 6p21.3	7.725	9.633	10.269	0.83
CD44	Hs.502328	11 11p13	7.16	8.604	10.268	0.82
LBA1	Hs.170999	3 3p22.2	5.036	5.598	6.137	0.82
KRR1	Hs.205558	12 12q21.2	5.828	7.515	8.426	0.82
PARP8	Hs.369581	5 5q11.1	5.804	6.343	7.171	0.82
COX7B	Hs.522699 X	Xq21.1	11.435	10.869	10.35	-0.81
ATP5J	Hs.246310	21 21q21.1	11.199	10.589	10.202	-0.81
GAD1	Hs.420036	2 2q31	4.416	4.045	3.937	-0.82

COX5B	Hs.1342	22cen-q13	10.665	10.252	9.664	-0.81
ANXA1	Hs.494173	99q12-q21.2	8.076	9.517	10.441	0.82
CD96	Hs.142023	33q13.13-q13.2	3.977	4.084	4.706	0.81
BTN3A2	Hs.376046	66p22.1	5.621	8.409	8.594	0.83
NCF2	Hs.587558	11q25	4.817	7.645	7.542	0.83
CD44	Hs.502328	1111p13	5.789	6.431	7.858	0.81
ARHGAP19	Hs.80305	1010q24.1	5.821	6.093	6.298	0.82
AIF1	Hs.76364	66p21.3	7.715	9.961	10.206	0.83
FYN	Hs.390567	66q21	6.033	6.723	7.11	0.83
RUNX3	Hs.170019	11p36	4.629	5.165	6.51	0.81
GP3M3	Hs.520046	66p21.3	6.528	7.07	7.93	0.81
PRF1	Hs.2200	1010q22	5.546	7.117	7.887	0.83
PPP2CB	Hs.491440	88p12	10.516	10.21	9.801	-0.81
RAB17	Hs.44278	22q37.3	7.262	6.848	5.596	-0.82
ITGA4	Hs.440955	22q31.3	3.988	4.197	5.29	0.81
IFI16	Hs.380250	11q22	7.801	8.571	9.926	0.81
CD3G	Hs.2259	1111q23	4.431	4.593	5.114	0.81
CSF2RA	Hs.520937 X Y	Xp22.32 and Yp11.3	4.005	4.708	5.351	0.82
PRKCB1	Hs.460355	1616p11.2	4.042	4.369	5.763	0.81
MEF2C	Hs.444409	55q14	6.237	7.319	8.139	0.81
KLRD1	Hs.562457	1212p13	4.767	6.383	6.444	0.83
ADAMTS10	Hs.465818	1919p13.3-p13.2	5.406	6.65	7.037	0.82
KLRB1	Hs.169824	1212p13	4.894	5.325	7.039	0.82
HLA-DRB1	Hs.534322	66p21.3	9.596	11.531	11.687	0.82
PAX8	Hs.469728	22q12-q14	7.2	6.827	6.367	-0.8
NPC2	Hs.433222	1414q24.3	9.977	10.353	10.629	0.81
RASSF2	Hs.631504	2020pter-p12.1	5.067	5.856	7.219	0.81
CD53	Hs.443057	11p13	7.515	10.049	10.735	0.82
TRAF3IP3	Hs.147434	11q32.3-q41	4.991	5.207	6.032	0.81
FAM46A	Hs.10784	66q14	6.622	6.934	7.659	0.81
PPARGC1A	Hs.527078	44p15.1	7.58	7.133	6.001	-0.81
NR3C1	Hs.122926	55q31.3	6.427	6.664	7.188	0.8
HLA-DQB1	Hs.409934 Hs.534322	66p21.3	6.727	9.978	10.192	0.82
PABPC1	Hs.387804	88q22.2-q23	9.923	10.342	10.702	0.81
CYC1	Hs.289271	88q24.3	9.459	9.177	8.369	-0.81
ATP5B	Hs.406510	1212q13.13	11.376	11.223	10.395	-0.81
AOX1	Hs.406238	22q33	9.789	7.719	6.447	-0.81
LIN7A	Hs.144333	1212q21	4.76	4.525	4.232	-0.8
VDAC2	Hs.355927 Hs.568267	1010q22	10.658	10.364	10.022	-0.8
LOC642502	Hs.632231	1717p13.3	9.274	8.898	8.303	-0.8
HLA-DMB	Hs.351279	66p21.3	7.636	9.639	9.891	0.82
GLIPR1	Hs.205558 Hs.591034	1212q21.2	5.346	6.857	7.957	0.81
IL10RA	Hs.504035	1111q23	4.831	6.881	8.197	0.81
CD86	Hs.171182	33q21	4.234	5.888	6.372	0.82

RAC2	Hs.517601	2222q13.1	4.791	5.964	7.488	0.81
KLRD1	Hs.562457	12 12p13	4.623	6	6.045	0.83
HLA-DRB4	Hs.534322					
	Hs.612586	6 6p21.3	10.12	11.8	11.973	0.82
IFI16	Hs.380250	1 1q22	7.418	8.329	9.496	0.81
LST1	Hs.436066	6 6p21.3	6.066	7.742	8.267	0.82
FPRL2	Hs.445466	19 19q13.3-q13.4	4.545	6.24	6.536	0.82
IGL@	Hs.449585	22 22q11.1-q11.2	5.745	6.016	10.426	0.81
IGL@	Hs.449585	22 22q11.1-q11.2	6.999	7.624	12.134	0.81
HLA-DRB3	Hs.534322	6 6p21.3	6.116	6.744	7.981	0.8
ACSL1	Hs.406678	4 4q34-q35	10.815	10.446	9.237	-0.8
COX7A1	Hs.421621					
	Hs.631480	19 19q13.1	8.705	8.055	7.283	-0.8
CKMT2	Hs.80691	5 5q13.3	6.446	5.942	5.285	-0.81
DNAJA3	Hs.459779	16 16p13.3	8.039	7.681	7.202	-0.8
PTGER3	Hs.445000	1 1p31.2	4.637	4.243	3.958	-0.8
IRF8	Hs.137427	16 16q24.1	6.381	8.012	8.841	0.8
CD44	Hs.502328	11 11p13	5.58	6.236	7.775	0.81
DPYD	Hs.335034	1 1p22	7.476	8.76	8.985	0.81
OAS2	Hs.414332	12 12q24.2	4.495	6.268	6.354	0.82
TANK	Hs.556496	2 2q24-q31	7.966	8.326	8.66	0.8
HLA-DRB1	Hs.534322	6 6p21.3	10.011	11.963	11.997	0.82
CXCR4	Hs.421986	2 2q21	5.588	6.171	9.242	0.8
GPR65	Hs.513440	14 14q31-q32.1	4.929	7.21	7.698	0.81
CLEC4A	Hs.504657	12 12p13	4.227	4.982	6.124	0.81
CYLD	Hs.578973	16 16q12.1	6.229	6.966	7.759	0.81
UQCRC1	Hs.119251	3 3p21.3	9.908	9.636	9.094	-0.79
PDHB	Hs.161357	3 3p21.1-p14.2	10.005	9.428	9.211	-0.8
LDHB	Hs.446149	12 12p12.2-p12.1	12.606	12.266	11.477	-0.8
COX7C	Hs.430075	5 5q14	11.559	11.138	10.86	-0.8
MX2	Hs.926	21 21q22.3	5.141	5.778	6.595	0.8
CD84	Hs.398093	1 1q24	4.953	6.252	6.259	0.82
PABPC3	Hs.458280	13 13q12-q13	9.861	10.087	10.344	0.8
INDO	Hs.840	8 8p12-p11	4.876	9.326	8.279	0.83
HLA-DQB1	Hs.409934					
	Hs.534322	6 6p21.3	6.723	9.122	9.572	0.81
CSPG2	Hs.443681	5 5q14.3	4.709	7.989	8.841	0.8
IGKV1D-13	Hs.390427	2 2p12	7.052	7.783	12.056	0.8
ZCCHC6	Hs.136398	9 9q21	6.411	7.015	7.504	0.8
CCND2	Hs.376071	12 12p13	6.032	6.591	8.467	0.8
CTSS	Hs.181301	1 1q21	4.964	8.167	8.522	0.82
HCLS1	Hs.14601	3 3q13	5.87	8.608	9.197	0.81
TYROBP	Hs.515369	19 19q13.1	6.731	9.395	10.195	0.81
GLIPR1	Hs.205558					
	Hs.591034	12 12q21.2	4.511	5.368	6.318	0.81
PTPRCAP	Hs.155975	11 11q13.3	5.979	6.378	7.547	0.8
TNFAIP8	Hs.271955	5 5q23.1	6.419	7.957	8.362	0.81
HLA-DRA	Hs.520048	6 6p21.3	10.277	12.307	12.397	0.82

TRA@	Hs.74647	14 14q11.2	5.638	7.751	9.252	0.81
DIMT1L	Hs.533222	5 5q11-q14	5.704	6.355	6.758	0.81
AIF1	Hs.76364	6 6p21.3	7.631	9.972	9.996	0.82
TRA@	Hs.74647	14 14q11.2	4.052	4.193	4.899	0.8
HLA-DRB6	Hs.534322	6 6p21.3	7.025	8.156	8.639	0.81
TLR7	Hs.443036 X	Xp22.3	4.075	4.873	6.3	0.8
FGFR2	Hs.533683	10 10q26	8.658	8.215	6.851	-0.79
NUDT4	Hs.591008	12 12q21	8.261	7.382	6.39	-0.79
CS	Hs.430606					
	Hs.633044	12 12q13.2-q13.3	9.261	8.926	8.657	-0.79
GABARAPL1	Hs.524250	12 12p13.2	8.735	8.004	7.172	-0.79
PTGER3	Hs.445000	1 1p31.2	4.607	4.185	4.081	-0.81
COX5B	Hs.1342	2 2cen-q13	10.722	10.547	9.852	-0.8
LBP	Hs.154078	20 20q11.23-q12	7.619	6.534	4.444	-0.81
NA	NA NA	NA	9.315	9.075	8.778	-0.79
CCDC56	Hs.16059	17 17q21	10.601	10.227	9.235	-0.8
AHCYL1	Hs.485365					
	Hs.592725	1 1p13.2	10.883	10.546	9.723	-0.8
COX6A1	Hs.497118	12 12q24.2	11.665	11.47	10.806	-0.8
PPIF	Hs.381072	10 10q22-q23	7.943	7.472	7.281	-0.8
NDUFC1	Hs.84549	4 4q28.2-q31.1	10.348	10.078	9.523	-0.8
UMOD	Hs.164470	16 16p12.3	12.918	10.363	8.806	-0.8
PPP2R3A	Hs.518155	3 3q22.1	9.936	9.13	8.114	-0.79
AQP6	Hs.54505	12 12q13	7.225	6.606	6.324	-0.79
CUGBP2	Hs.309288	10 10p13	4.878	5.502	6.214	0.8
WASPIP	Hs.591641	2 2q31.1	4.785	5.177	6.167	0.8
CSF1R	Hs.483829	5 5q33-q35	6.201	8.575	8.862	0.81
FCGR3B	Hs.372679	1 1q23	5.633	8.107	8.772	0.82
FLI1	Hs.504281	11 11q24.1-q24.3	5.005	5.942	7.241	0.79
PSMB9	Hs.132682	6 6p21.3	6.621	9.436	9.569	0.82
CXCL13	Hs.100431	4 4q21	3.896	5.251	8.362	0.8
IL16	Hs.459095	15 15q26.3	5.705	6.101	7.519	0.8
LOC652128	Hs.643624	14 NA	5.003	6.021	9.706	0.8
GM2A	Hs.483873	5 5q31.3-q33.1	6.562	7.925	8.459	0.81
	1-Mar Hs.591701					
	Hs.608487	4 4q32.3	4.303	7.006	7.292	0.81
DHRS9	Hs.179608	2 2q31.1	4.752	5.569	5.983	0.81
ARHGDI1	Hs.504877	12 12p12.3	8.592	9.989	10.859	0.8
LGALS9	Hs.81337	17 17q11.1	6.354	7.611	7.718	0.81
BCL2A1	Hs.227817	15 15q24.3	4.111	6.443	7.209	0.81
REL	Hs.631886	2 2p13-p12	4.581	5.325	5.899	0.8
CXCR4	Hs.421986	2 2q21	5.442	6.196	9.379	0.8
CD86	Hs.171182	3 3q21	4.449	7.709	7.892	0.81
HLA-DRA	Hs.520048	6 6p21.3	9.911	12.069	12.258	0.81
FYB	Hs.370503	5 5p13.1	4.912	7.485	7.332	0.82
HLA-DPA1	Hs.347270	6 6p21.3	9.995	12.082	12.448	0.81
NA	NA NA	NA	6.432	6.585	10.952	0.8
SNX6	Hs.583855	14 14q13.2	7.111	7.814	8.385	0.8

C1orf24	Hs.518662	1 1q25	4.68	4.943	5.665	0.79
CSPG2	Hs.443681	5 5q14.3	5.877	8.68	9.806	0.8
STK10	Hs.519756	5 5q35.1	5.52	5.909	6.588	0.8
TRAP1	Hs.30345	16 16p13.3	8.196	7.924	7.551	-0.8
SDHB	Hs.465924	1 1p36.1-p35	9.104	8.67	7.934	-0.8
TPD52L1	Hs.591347	6 6q22-q23	9.179	8.524	7.95	-0.79
TDGF1	Hs.385870	3 3p21.31	7.856	6.413	5.853	-0.78
CBR1	Hs.88778	21 21q22.13	8.392	8.165	7.352	-0.8
PTS	Hs.503860	11 11q22.3-q23.3	8.971	8.282	7.818	-0.8
MYCBP2	Hs.591221	13 13q22	7.465	7.729	8.583	0.79
SLA	Hs.75367	8 8q22.3-qter				
		8q24	6.272	7.593	8.524	0.8
CSPG2	Hs.443681	5 5q14.3	5.996	8.56	9.663	0.79
PLXNC1	Hs.584845	12 12q23.3	3.911	4.229	4.47	0.8
CEP170	Hs.533635					
	Hs.644237	1 1q44	6.459	7.169	7.974	0.8
NA	NA NA	NA	7.439	7.719	8.366	0.79
APOBEC3F	Hs.441124	22 22q13.1	4.585	5.952	6.023	0.82
LOC652745	NA Un	NA	6.472	6.811	11.598	0.8
NAGK	Hs.7036	2 2p13.3	7.68	8.707	9.039	0.81
CECR1	Hs.170310	22 22q11.2	6.441	8.735	9.131	0.81
CHST6	Hs.487510	16 16q22	7.253	8.03	8.679	0.78
HINT1	Hs.483305	5 5q31.2	10.988	10.613	10.342	-0.79
COX8A	Hs.433901	11 11q12-q13	10.806	10.392	9.888	-0.79
COX7C	Hs.430075	5 5q14	12.283	11.907	11.538	-0.79
ATP1B1	Hs.291196	1 1q24	10.922	10.282	9.901	-0.8
JTV1	Hs.301613					
	Hs.520205	7 7p22	8.989	8.448	8.283	-0.81
NDUFA1	Hs.534168 X	Xq24	10.742	10.353	10.283	-0.8
AFG3L2	Hs.528996	18 18p11	7.23	6.949	6.345	-0.8
NELL1	Hs.502145	11 11p15.2-p15.1	6.008	5.256	5.13	-0.8
CRYAB	Hs.408767	11 11q22.3-q23.1	12.006	11.416	9.325	-0.79
MRPL15	Hs.18349	8 8q11.2-q13	9.121	8.865	8.272	-0.78
CTSS	Hs.181301	1 1q21	6	10.31	10.325	0.81
FOLR2	Hs.433159	11 11q13.3-q13.5	6.232	8.006	8.083	0.8
BTN2A2	Hs.373938	6 6p22.1	5.985	6.701	6.903	0.8
LAMP3	Hs.518448	3 3q26.3-q27	3.996	4.626	5.437	0.79
CD86	Hs.171182	3 3q21	4.878	5.628	6.081	0.8
BTN3A1	Hs.191510	6 6p22.1	5.703	6.642	6.726	0.81
CCR2	Hs.395					
	Hs.511794	3 3p21.31	4.182	4.283	5.115	0.79
ENTPD1	Hs.576612	10 10q24	6.231	6.655	7.718	0.79
SELPLG	Hs.591014	12 12q24	5.301	6.064	7.055	0.8
NA	NA NA	NA	5.722	6.476	11.698	0.79
CD8B	Hs.405667					
	Hs.610012	2 2p12	3.91	3.983	4.427	0.79
CD44	Hs.502328	11 11p13	4.239	4.554	6.021	0.79
ACSL5	Hs.11638	10 10q25.1-q25.2	5.732	6.14	6.968	0.78

IER5	Hs.15725	1 1q25.3	5.348	6.234	7.409	0.78
C13orf34	Hs.643464	13 13q22.1	4.561	4.88	5.287	0.81
LBH	Hs.567598	2 2p23.1	6.286	6.972	7.554	0.78
HOM-TES-103	Hs.15243	12 12p13.3	5.705	6.134	6.631	0.79
JTV1	Hs.301613					
	Hs.520205	7 7p22	8.629	8.145	7.962	-0.8
NDUFA4	Hs.50098	7 7p21.3	11.451	10.959	10.462	-0.79
IPO4	Hs.411865	14 14q12	7.03	6.721	6.459	-0.78
BST2	Hs.118110	19 19p13.2	6.369	7.977	8.501	0.79
ARL4C	Hs.111554	2 2q37.1	6.285	6.546	7.747	0.79
AP1S2	Hs.121592 X	Xp22.2	5.5	5.795	6.131	0.79
AP1S2	Hs.121592 X	Xp22.2	5.549	7.28	7.632	0.81
CCR2	Hs.395					
	Hs.511794	3 3p21.31	4.175	4.389	6.897	0.79
KLRD1	Hs.562457	12 12p13	4.179	4.306	4.626	0.79
C6orf32	Hs.559459	6 6p22.3-p21.32	4.336	4.734	5.536	0.79
IGHG3	Hs.510635	14 14q32.33	8.234	10.344	13.461	0.79
CLIC2	Hs.632837 X	Xq28	5.148	6.752	7.082	0.8
APOL3	Hs.474737	22 22q13.1	6.393	7.692	7.802	0.8
TACSTD1	Hs.542050	2 2p21	10.455	10.038	9.208	-0.78
ATP5O	Hs.409140	21 21q22.1-q22.2				
		21 21q22.11	7.538	7.249	6.994	-0.78
SLC25A3	Hs.290404	12 12q23	11.318	11	10.691	-0.79
PVALB	Hs.295449	22 22q12-q13.1				
		22 22q13.1	7.279	6.206	4.883	-0.78
SLC39A14	Hs.491232	8 8p21.3	9.156	8.308	7.269	-0.77
PTPN6	Hs.63489	12 12p13	6.568	7.14	7.646	0.79
ADAM28	Hs.174030	8 8p21.2	4.041	4.17	4.773	0.79
NAP1L1	Hs.524599					
	Hs.643135	12 12q21.2	7.767	8.015	8.535	0.78
CCL18	Hs.143961	17 17q11.2	4.992	6.23	6.878	0.81
SH2D1A	Hs.349094 X	Xq25-q26	4.007	4.358	5.724	0.78
TNFAIP8	Hs.271955	5 5q23.1	6.869	8.506	8.978	0.8
PTAFR	Hs.433540	1 1p35-p34.3	5.485	6.222	6.818	0.8
LOC651629	NA Un	NA	6.88	8.206	13.053	0.79
IGHA1	Hs.510635	14 14q32.33	5.732	6.056	10.323	0.79
HLA-DMA	Hs.351279	6 6p21.3	7.707	9.746	10.141	0.8
NA	NA NA	NA	5.731	6.159	6.614	0.79
UQCRQ	Hs.146602	5 5q31.1	10.901	10.355	9.986	-0.79
COASY	Hs.296422	17 17q12-q21	8.448	8.103	7.571	-0.78
CYP51A1	Hs.417077	7 7q21.2-q21.3	8.044	7.198	6.731	-0.78
NDUFS8	Hs.90443	11 11q13	8.83	8.271	7.758	-0.78
KCNK1	Hs.208544	1 1q42-q43	7.539	7.024	6.503	-0.78
PPAP2B	Hs.405156					
	Hs.638793	1 1pter-p22.1	9.438	8.578	8.234	-0.8
HIGD1A	Hs.7917	3 3p22.1	10.952	10.592	10.207	-0.78
GBP1	Hs.62661	1 1p22.2	7.078	9.988	9.999	0.81
CASP3	Hs.141125	4 4q34	5.424	6.414	6.761	0.8

ST3GAL5	Hs.415117	22p11.2	5.802	6.353	6.828	0.78	
ZFHX1B	Hs.34871	22q22	5.345	6.453	7.366	0.78	
RGS4	Hs.386726	11q23.3	4.614	5.848	5.969	0.8	
NA	NA NA	NA	4.48	4.723	5.55	0.79	
JAK2	Hs.591081	99p24	5.307	6.351	6.614	0.79	
MEF2C	Hs.444409	55q14	6.079	6.254	7.623	0.79	
IFNG	Hs.856	1212q14	4.107	5.311	4.935	0.81	
NA	NA NA	NA	5.418	5.541	8.479	0.79	
ENAM	Hs.381568	44q13.3	6.475	7.165	11.16	0.79	
DCP2	Hs.443875	55q22.2	7.396	8.089	8.327	0.78	
RABGAP1L	Hs.585378						
	Hs.591475						
	Hs.615081	11q24	5.299	5.571	6.811	0.78	
LST1	Hs.436066	66p21.3	6.353	7.411	8.015	0.8	
SLC15A3	Hs.237856	1111q12.2	5.546	6.615	6.959	0.8	
IMMT	Hs.148559	22p11.2					
			2	9.039	8.464	8.194	-0.79
PCBD1	Hs.3192	1010q22	8.872	8.273	7.583	-0.79	
NCKAP1	Hs.516633	22q32	9.052	8.707	8.369	-0.79	
GRPEL1	Hs.443723	44p16	8.395	7.97	7.401	-0.78	
DLAT	Hs.335551	1111q23.1	7.848	7.244	6.423	-0.77	
HIGD1A	Hs.7917	33p22.1	10.572	10.08	9.581	-0.77	
PPT1	Hs.3873	11p32	9.681	10.175	10.345	0.78	
GALNT1	Hs.514806	1818q12.1	6.909	7.644	8.111	0.79	
RALGDS	Hs.106185	99q34.3	6.087	6.843	7.247	0.78	
CG018	Hs.161220	1313q12-q13	6.514	7.489	7.945	0.78	
NA	NA NA	NA	6.298	6.61	10.625	0.79	
LOC339562	Hs.449972	22p11.1	6.427	6.924	10.997	0.79	
PLEKHO1	Hs.438824	11q21.2	5.541	6.784	7.52	0.79	
MGC2463	Hs.521075	77q22.1	4.977	5.056	6.008	0.79	
CCL18	Hs.143961	1717q11.2	3.873	4.806	5.478	0.8	
NDUFA6	Hs.274416	2222q13.2-q13.31	7.955	7.572	6.793	-0.78	
RBPMS	Hs.334587	88p12-p11	8.979	8.573	7.606	-0.77	
BAG1	Hs.377484	99p12	8.12	7.521	7.052	-0.78	
CHCHD2	Hs.389996						
	Hs.547257	77p11.2	10.827	10.5	10.444	-0.79	
PRR13	Hs.426359						
	Hs.631599	1212q12	9.912	9.863	9.145	-0.79	
MRPS15	Hs.352839	11p35-p34.1	7.764	7.337	7.078	-0.79	
LAPTM5	Hs.371021	11p34	7.754	10.635	11.281	0.8	
NAP1L1	Hs.524599						
	Hs.643135	1212q21.2	7.937	8.261	8.819	0.77	
CSF2RB	Hs.592192	2222q13.1	4.391	7.019	8.224	0.78	
PTPN22	Hs.535276	11p13.3-p13.1	3.707	3.947	4.185	0.79	
C1orf38	Hs.10649	11p35.3	4.868	6.561	7.247	0.8	
NA	NA NA	NA	5.886	6.171	11.152	0.79	
CYLD	Hs.578973	1616q12.1	6.08	6.312	7.119	0.78	
CD6	Hs.502710	1111q13	6.264	6.353	6.966	0.77	

CYLD	Hs.578973	16 16q12.1	4.662	4.995	5.682	0.78
ETV1	Hs.22634	77p21.3	4.17	4.435	5.563	0.77
AOX1	Hs.406238	22q33	8.51	7.066	5.748	-0.78
ATP5C1	Hs.271135	10 10p15.1	11.799	11.41	10.86	-0.78
C6orf66	Hs.591333	66q16.1	8.543	7.852	7.476	-0.78
HLA-E	Hs.118354	66p21.3	9.118	10.374	10.568	0.79
CUGBP2	Hs.309288	10 10p13	4.458	4.828	5.89	0.78
PRKACB	Hs.487325	1 1p36.1	6.141	6.909	7.206	0.78
CCR1	Hs.301921	33p21	5.588	8.271	8.148	0.79
IFI44	Hs.82316	1 1p31.1	4.221	4.322	4.546	0.76
IGHA1	Hs.510635	14 14q32.33	4.427	4.638	9.998	0.78
CD4	Hs.631659	12 12pter-p12	6.326	7.129	7.818	0.77
PTTG1	Hs.350966	55q35.1	5.776	7.648	7.093	0.8
CD28	Hs.591629	22q33	3.849	3.916	4.268	0.78
PYHIN1	Hs.380250	1 1q23.1	5.673	7.272	7.953	0.79
KIAA0922	Hs.205572	44q31.3	5.05	5.311	5.713	0.78
LST1	Hs.436066	66p21.3	6.188	7.343	7.841	0.78
NA	NA	NA	5.907	6.601	12.166	0.78
NA	NA	NA	5.411	5.56	8.821	0.78
IGHM	Hs.510635	14 14q32.33	5.153	5.883	10.115	0.78
TXNDC14	Hs.166011	11 11cen-q22.3	9.353	8.9	8.719	-0.78
EEF1E1	Hs.631818	66p24.3-p25.1	8.602	7.852	7.511	-0.77
SLC6A12	Hs.437174	12 12p13	7.377	6.922	5.346	-0.77
SMPD1	Hs.498173	11 11p15.4-p15.1	7.914	7.674	6.363	-0.77
ERAL1	Hs.3426	17 17q11.2	6.472	6.084	5.887	-0.78
PACRG	Hs.25791	66q26	4.916	4.651	4.375	-0.78
HGD	Hs.368254					
	Hs.616526	33q21-q23	8.181	7.196	5.153	-0.79
HSD17B12	Hs.132513	11 11p11.2	9.794	9.29	8.923	-0.78
NDUFC2	Hs.407860	11 11q14.1	10.066	9.662	9.378	-0.78
MRLC2	Hs.464472	18 18p11.31	11.563	11.229	11.105	-0.77
LPHN3	Hs.28391					
	Hs.411097	44q13.1	4.735	4.347	4.303	-0.78
RDH11	Hs.226007	14 14q24.1	10.543	10.019	9.151	-0.77
DYNLRB1	Hs.531876	20 20q11.21	9.971	9.447	9.295	-0.77
MAPRE2	Hs.532824	18 18q12.1	6.939	7.451	7.722	0.79
UBE1L	Hs.16695	33p21	6.312	6.734	7.293	0.77
KNTC2	Hs.414407	18 18p11.32	4.159	5.172	4.891	0.8
FAS	Hs.244139	10 10q24.1	6.929	7.826	8.216	0.77
AOAH	Hs.488007	77p14-p12	5.466	5.895	6.881	0.78
CD38	Hs.479214	44p15	4.821	6.455	7.12	0.79
IGHG1	Hs.510635	14 14q32.33	4.925	5.013	9.313	0.78
IGHV1-69	Hs.634941	14 14q32.32-q32.33	5.175	5.241	9.474	0.78
NA	NA	NA	5.184	5.811	10.86	0.78
MS4A6A	Hs.523702	11 11q12.1	6.531	9.571	9.168	0.8
ESRRA	Hs.110849	11 11q13	7.347	7.132	6.41	-0.76
SDHD	Hs.356270	11 11q23	10.772	10.427	9.671	-0.77
FGFR2	Hs.533683	10 10q26	7.718	7.418	5.892	-0.77

PTK2	Hs.395482	88q24-qter	8.469	8.244	7.776	-0.76
TXN2	Hs.211929	2222q13.1	7.927	7.489	7.377	-0.78
VIPR2	Hs.490817	77q36.3	7.005	6.851	6.729	-0.76
LAMA4	Hs.213861	66q21	4.973	5.533	6.728	0.77
EEF1D	Hs.333388	88q24.3	9.531	9.733	10.387	0.77
PDE4B	Hs.198072	11p31	5.473	6.348	7.95	0.77
ICAM3	Hs.75516	1919p13.3-p13.2	5.883	6.174	7.747	0.77
LAX1	Hs.272794	11q32.1	4.401	4.552	5.607	0.78
IGF1	Hs.160562	1212q22-q23	4.735	5.698	6.63	0.76
IGHV1-69	Hs.634941	1414q32.32-q32.33	5.09	5.278	10.085	0.78
HLA-DQB1	Hs.409934					
	Hs.534322	66p21.3	7.01	9.939	10.026	0.78
NA	NA NA	NA	6.674	6.995	8.867	0.78
SMCHD1	Hs.8118	1818p11.32	6.233	6.632	7.432	0.78
PDCD4	Hs.232543	1010q24	5.72	5.838	6.433	0.77
P2RY10	Hs.296433 X	Xq21.1	3.784	3.819	4.336	0.78
P2RY5	Hs.123464	1313q14	7.639	8.108	8.744	0.76
NDUFS3	Hs.502528	1111p11.11	8.981	8.65	8.337	-0.77
KLF9	Hs.150557					
	Hs.602267	99q13	7.724	5.992	5.799	-0.78
HINT1	Hs.483305	55q31.2	11.193	10.96	10.588	-0.77
PPP2R3A	Hs.518155	33q22.1	7.871	7.672	6.743	-0.77
ZCD1	Hs.370102	1010q21.1	9.094	7.933	6.917	-0.77
ELF5	Hs.11713	1111p13-p12	5.617	4.575	4.409	-0.78
ETFDH	Hs.155729	44q32-q35	6.733	6.09	5.441	-0.77
BASP1	Hs.201641	55p15.1-p14	7.179	7.716	9.347	0.77
LYST	Hs.532411	11q42.1-q42.2	5.026	5.294	6.714	0.77
CXCL9	Hs.77367	44q21	4.972	11.34	10.666	0.81
CFD	Hs.155597	1919p13.3	5.879	7.184	8.127	0.76
LY96	Hs.69328	88q21.11	6.098	9.126	9.673	0.79
KLRC2	Hs.591157	1212p13	4.043	4.691	5.528	0.77
MSL3L1	Hs.307924 X	Xp22.3	6.655	6.773	7.665	0.77
C1orf38	Hs.10649	11p35.3	4.861	6.207	6.875	0.78
LTA4H	Hs.524648	1212q22	8.822	9.101	9.429	0.76
NA	NA NA	NA	6.106	6.469	7.866	0.77
TRDV2	Hs.74647	1414q11	3.89	4.095	4.312	0.76
CD72	Hs.116481	99p13.3	4.51	6.118	6.109	0.79
NR3C1	Hs.122926	55q31.3	7.851	8.29	8.648	0.77
C1QA	Hs.632379	11p36.12	6.795	11.129	10.665	0.8
FKBP11	Hs.119177	1212q13.12	7.296	7.748	9.516	0.78
SAMSN1	Hs.473341					
	Hs.570423	2121q11	5.053	8.272	8.941	0.79
SIRPG	Hs.590883	2020p13	5.028	5.137	5.774	0.78
NECAP2	Hs.437385	11p36.13	6.71	7.439	7.809	0.78
LAT2	Hs.520943	77q11.23	5.153	5.605	6.881	0.78
IGKV1-5	Hs.449621	22p12	10.048	10.941	13.481	0.78
AHCYL1	Hs.485365					
	Hs.592725	11p13.2	9.044	8.696	7.584	-0.77

MGST3	Hs.191734	1 1q23	11.216	11.051	10.352	-0.77
BAG1	Hs.377484	9 9p12	7.532	7.106	6.857	-0.76
NNT	Hs.482043	5 5p13.1-5cen	8.606	8.387	7.399	-0.76
MST1	Hs.349110					
	Hs.512587	3 3p21	8.265	7.886	7.247	-0.76
ATP5C1	Hs.271135	10 10p15.1	11.521	11.171	10.514	-0.77
COL4A6	Hs.145586 X	Xq22	5.03	4.519	4.047	-0.76
CLMN	Hs.301478	14 14q32.13	6.501	6.071	5.419	-0.76
LAPTM5	Hs.371021	1 1p34	6.556	9.923	9.836	0.79
MMP9	Hs.297413	20 20q11.2-q13.1	5.233	5.416	6.938	0.76
ALOX5	Hs.89499	10 10q11.2	5.245	7.484	8.807	0.78
ISG20	Hs.459265	15 15q26	5.422	6.692	7.311	0.76
PTPN7	Hs.402773	1 1q32.1	4.86	5.334	5.872	0.76
CSTA	Hs.518198	3 3q21	4.672	6.927	8.029	0.78
CD40	Hs.472860	20 20q12-q13.2	5.38	6.145	6.449	0.77
HCP5	Hs.549053	6 6p21.3	5.867	7.527	7.35	0.8
MS4A1	Hs.438040	11 11q12	4.247	4.381	5.777	0.77
CEP170	Hs.533635					
	Hs.644237	1 1q44	5.571	6.466	6.688	0.77
IGKV1-5	Hs.449621	2 2p12	7.738	8.565	11.437	0.78
LOC391427	NA	2 2q14.1	6.489	6.986	11.751	0.78
CHES1	Hs.434286					
	Hs.621371	14 14q31.3	5.451	6.379	6.884	0.77
FCGRT	Hs.111903	19 19q13.3	7.675	8.382	8.485	0.77
IGKC	Hs.449621	2 2p12	10.034	10.989	13.515	0.78
ITGB2	Hs.375957	21 21q22.3	5.421	8.351	8.652	0.78
OAS1	Hs.524760	12 12q24.1	6.246	8.063	7.541	0.78
NFE2L3	Hs.404741	7 7p15-p14	4.11	4.976	5.422	0.78
UCP2	Hs.80658	11 11q13	6.838	8.742	8.947	0.78
IGL@	Hs.449585	22 22q11.1-q11.2	9.208	9.969	13.655	0.77
CXCL11	Hs.632592	4 4q21.2	3.734	7.914	8.312	0.79
CD40	Hs.472860	20 20q12-q13.2	6.098	6.667	6.987	0.77
LY9	Hs.403857	1 1q21.3-q22	5.024	5.139	6.049	0.77
GNLY	Hs.105806	2 2p12-q11	4.353	4.375	5.952	0.78
C13orf18	Hs.98117	13 13q14.12	4.111	4.408	5.69	0.76
COX6B1	Hs.431668	19 19q13.1	10.515	10.139	9.803	-0.76
RAP1GAP	Hs.148178	1 1p36.1-p35	8.647	8.105	6.622	-0.77
CLDN10	Hs.157002					
	Hs.534377					
	Hs.597167	13 13q31-q34	10.23	9.444	8.693	-0.77
GP2	Hs.53985	16 16p12	5.916	5.183	5.12	-0.77
SERPINA1	Hs.525557	14 14q32.1	12.402	11.073	10.303	-0.78
TSFM	Hs.632704	12 12q13-q14	7.834	7.281	6.756	-0.78
MCCC1	Hs.47649	3 3q27	8.366	7.888	6.96	-0.76
MBNL1	Hs.478000					
	Hs.558914	3 3q25	8.582	8.69	9.424	0.77
TNFAIP3	Hs.591338	6 6q23	6.442	7.442	8.207	0.77
PDCD4	Hs.232543	10 10q24	4.962	6.192	6.341	0.78

ZNFN1A1	Hs.435949		77p13-p11.1	6.348	6.908	7.08	0.76
MAN2B1	Hs.334626						
	Hs.356769		1919cen-q13.1	6.357	6.861	7.407	0.76
PHTF2	Hs.203965		77q11.23-q21	6.486	7.117	7.696	0.76
FLI1	Hs.504281		1111q24.1-q24.3	4.483	5.093	5.545	0.78
FASLG	Hs.2007		11q23	4.239	4.407	4.631	0.75
IGLJ3	Hs.449585		2222q11.1-q11.2	5.582	5.93	10.481	0.77
KCTD12	Hs.109438		1313q22.3	9.667	10.105	10.486	0.75
FNBP1	Hs.189409		99q34	6.874	7.698	8.118	0.76
SULF1	Hs.409602		88q13.2-q13.3	6.087	6.303	7.244	0.77
NA	NA	NA	NA	5.882	6.029	11.899	0.77
IGH@	Hs.510635		1414q32.33	5.393	5.393	9.379	0.77
IGHD	Hs.510635		1414q32.33	5.621	5.82	10.059	0.77
ZNF267	Hs.460645		1616p11.2	5.95	7.173	7.459	0.76
MCTP1	Hs.591248		55q15	4.269	5.69	6.103	0.76
UQCRH	Hs.481571		11p33	10.892	10.739	10.433	-0.76
NDUFB6	Hs.493668		99p21.1	9.817	9.332	8.952	-0.76
NRG1	Hs.453951		88p21-p12	5.539	4.753	4.325	-0.75
CA2	Hs.155097		88q22	9.923	9.427	8.025	-0.77
CRADD	Hs.38533						
	Hs.591016		1212q21.33-q23.1	7.337	6.962	6.625	-0.76
DEFB1	Hs.32949		88p23.2-p23.1	11.873	11.358	9.967	-0.76
MST1	Hs.349110						
	Hs.512587		33p21	8.322	7.847	6.979	-0.75
LGR4	Hs.502176		1111p14-p13	9.295	8.924	8.011	-0.75
C14orf122	Hs.271614		1414q11.2	6.685	6.428	6.175	-0.75
PAX8	Hs.469728		22q12-q14	9.69	9.56	8.57	-0.76
STRAP	Hs.504895		1212p12.3	9.587	9.212	8.99	-0.76
ARHGEF12	Hs.24598		1111q23.3	10.256	9.899	9.413	-0.75
CYB5A	Hs.465413		1818q23	11.009	10.621	9.212	-0.76
MDH2	Hs.520967		77p12.3-q11.2	9.553	9.205	8.678	-0.76
RNF5	Hs.512071						
	Hs.534342		66p21.3	9.11	8.936	8.016	-0.77
ABHD11	Hs.520943		77q11.23	7.376	6.989	6.623	-0.76
CEP350	Hs.413045		11p36.13-q41	6.249	7.239	7.486	0.76
RPS6KA5	Hs.510225		1414q31-q32.1	4.743	5.106	5.809	0.76
FCN1	Hs.440898		99q34	4.428	4.851	7.083	0.75
OAS1	Hs.524760		1212q24.1	5.563	7.349	6.913	0.79
BATF	Hs.509964		1414q24.3	5.785	5.952	6.539	0.76
ENTPD1	Hs.576612		1010q24	4.594	5.592	6.372	0.77
HCK	Hs.126521		2020q11-q12	5.357	6.553	7.463	0.77
RUNX1	Hs.149261						
	Hs.612648		2121q22.3	5.806	6.283	7.529	0.75
SMCHD1	Hs.8118		1818p11.32	5.99	6.657	7.595	0.75
HMHA1	Hs.465521		1919p13.3	5.738	6.209	6.924	0.76
IGKC	Hs.449621		22p12	8.264	9.202	12.193	0.77
CTA-246H3.1	Hs.567636		2222q11.23	6.637	6.998	10.183	0.77
NA	NA	NA	NA	6.257	6.572	10.365	0.77

RTP4	Hs.43388	33q27.3	5.409	6.655	6.696	0.79
TLR4	Hs.174312	99q32-q33	4.872	5.84	6.391	0.77
CD40	Hs.472860	2020q12-q13.2	6.933	7.515	7.839	0.78
ADIPOR2	Hs.371642	1212p13.31	8.124	7.71	7.574	-0.76
NIT1	Hs.146406	11q21-q22	8.311	8.15	7.545	-0.77
FH	Hs.498239	11q42.1	8.542	8.036	7.624	-0.76
HSPE1	Hs.1197	22q33.1	9.583	8.954	8.494	-0.76
PRKAA2	Hs.591439	11p31	4.863	4.571	4.319	-0.76
TOP2A	Hs.156346	1717q21-q22	4.145	6.095	4.929	0.79
NCF4	Hs.474781	2222q13.1	4.736	5.588	6.169	0.77
MAP4K1	Hs.95424	1919q13.1-q13.4	5.123	5.15	5.849	0.76
ARPC2	Hs.529303	22q36.1	10.414	11.107	11.283	0.78
APOBEC3C	Hs.441124	2222q13.1-q13.2	5.367	6.241	6.379	0.77
CSPG2	Hs.443681	55q14.3	5.268	7.358	8.366	0.77
HLA-A	Hs.181244	66p21.3	11.512	12.62	12.203	0.8
CTSW	Hs.416848	1111q13.1	5.155	5.393	6.04	0.75
HLA-C	Hs.77961					
	Hs.449621					
	Hs.591791	66p21.3	10.731	11.862	11.561	0.8
IL24	Hs.58831					
	Hs.642714	11q32	4.546	4.635	6.105	0.77
RHOG	Hs.501728	1111p15.5-p15.4	7.27	7.811	8.164	0.74
IRF4	Hs.401013	66p25-p23	5.505	5.552	6.607	0.76
CCL3	Hs.514107	1717q11-q21	5.071	7	8.067	0.77
TCF7	Hs.573153	55q31.1	6.526	6.84	7.171	0.75
TNFRSF17	Hs.2556	1616p13.1	3.852	3.866	7.877	0.77
HLA-DQB1	Hs.409934					
	Hs.534322	66p21.3	6.083	9.44	9.176	0.79
RBPSUH	Hs.479396	44p15.2	8.442	9.09	9.238	0.76
IGLJ3	Hs.449585	2222q11.1-q11.2	9.3	9.981	13.59	0.77
IGL@	Hs.449585	2222q11.1-q11.2	7.748	8.168	11.649	0.77
OAS3	Hs.528634	1212q24.2	5.301	6.3	6.28	0.76
CLINT1	Hs.132853	55q23.1-q33.3	9.445	9.211	8.791	-0.75
STK19	Hs.534847	66p21.3	7.829	7.327	7.104	-0.75
ENDOG	Hs.591905	99q34.1	6.427	6.253	5.468	-0.76
AUH	Hs.175905	99q22.31	9.652	9.018	7.882	-0.76
PTGER3	Hs.445000	11p31.2	5.333	5.043	4.684	-0.76
PEBP1	Hs.433863	1212q24.23	11.047	10.114	9.873	-0.77
COQ9	Hs.513632	1616q13	9.251	9.087	7.928	-0.77
KIAA0256	Hs.9997	1515q21.1	8.513	8.286	7.951	-0.75
CYB5A	Hs.465413	1818q23	5.155	4.998	4.849	-0.77
MTCH2	Hs.269944	1111p11.2	9.263	9.052	8.466	-0.76
ISOC1	Hs.483296	55q22.1-q33.3	8.561	7.896	7.56	-0.75
MGC10993	Hs.439991	22q14.2	5.821	5.277	4.762	-0.76
MBNL1	Hs.478000					
	Hs.558914	33q25	6.233	7.207	7.828	0.76
STK17A	Hs.268887	77p12-p14	6.421	7.037	8.101	0.75
PRKACB	Hs.487325	11p36.1	8.61	8.979	9.507	0.76

STK10	Hs.519756	5 5q35.1	5.47	5.903	6.463	0.75
FCGR3B	Hs.372679	1 1q23	4.827	8.727	8.865	0.78
FCER1G	Hs.433300	1 1q23	7.036	10.261	10.252	0.78
CSPG2	Hs.443681	5 5q14.3	4.99	6.242	7.801	0.75
RASGRP1	Hs.591127	15 15q15	6.514	6.684	7.44	0.75
IL7R	Hs.591742	5 5p13	4.902	5.226	7.192	0.74
SP110	Hs.145150	2 2q37.1	6.384	7.258	7.771	0.76
SP110	Hs.145150	2 2q37.1	5.987	6.826	7.586	0.75
TLR1	Hs.575090					
	Hs.621817	4 4p14	4.697	6.38	6.744	0.76
RAFTLIN	Hs.98910	3 3p24.3	6.187	6.782	7.761	0.75
RECQL	Hs.235069	12 12p12	6.415	7.241	7.543	0.76
PDE4B	Hs.198072	1 1p31	3.683	3.765	4.047	0.75
IGHA1	Hs.510635	14 14q32.33	4.732	4.822	7.67	0.76
ZNFN1A1	Hs.435949	7 7p13-p11.1	3.927	3.974	4.699	0.76
DUSP9	Hs.144879 X	Xq28	7.766	6.871	6.092	-0.75
C9	Hs.481980	5 5p14-p12	4.839	3.835	3.735	-0.74
ACSL1	Hs.406678	4 4q34-q35	10.038	9.77	8.203	-0.76
ESRRG	Hs.444225	1 1q41	8.656	8.15	6.282	-0.76
ALB	Hs.418167	4 4q11-q13	9.542	4.019	4.016	-0.78
TIMM10	Hs.235750	11 11q12.1-q12.3	7.612	7.497	6.982	-0.75
WARS2	Hs.523506	1 1p13.3-p13.1	5.688	5.566	5.058	-0.75
PIP5K2C	Hs.144502	12 12q13.3	7.778	7.545	7.049	-0.74
FLJ22555	Hs.154494	2 2q33.1	8.306	7.881	7.232	-0.75
PRDX2	Hs.631612	19 19p13.2	10.383	10.059	9.002	-0.75
UBE2L6	Hs.425777	11 11q12	7.643	9.334	9.134	0.78
CREBL2	Hs.591156	12 12p13	7.437	7.856	8.208	0.74
NSMAF	Hs.372000	8 8q12-q13	6.822	7.086	7.671	0.75
FAM49A	Hs.467769	2 2p24.3	4.683	5.284	5.851	0.75
RSL1D1	Hs.592044	16 16p13.13	7.647	8.081	8.215	0.75
NCF1	Hs.520943	7 7q11.23	4.645	5.032	5.561	0.75
CKLF	Hs.15159	16 16q21	7.1	7.699	8.53	0.75
HADHB	Hs.534639	2 2p23	10.635	10.152	9.833	-0.76
PGM1	Hs.1869	1 1p31	8.776	8.437	7.661	-0.75
LBP	Hs.154078	20 20q11.23-q12	6.864	6.509	5.313	-0.76
FH	Hs.498239	1 1q42.1	9.351	8.676	8.117	-0.75
MRPS7	Hs.71787	17 17q25	7.693	7.548	7.008	-0.75
MRPS35	Hs.311072	12 12p11	8.428	7.995	7.365	-0.76
NUDT9	Hs.149500	4 4q22.1	7.768	7.344	6.961	-0.74
HIRIP5	Hs.430439	2 2p15-p13	8.15	7.654	7.34	-0.74
PDE9A	Hs.473927	21 21q22.3	6.537	5.716	5.63	-0.75
ATP5O	Hs.409140	21 21q22.1-q22.2				
		21q22.11	11.236	10.785	10.5	-0.75
PRDX3	Hs.523302	10 10q25-q26	10.692	10.531	9.89	-0.75
ACADSB	Hs.81934	10 10q26.13	7.428	6.387	5.514	-0.76
ACAT1	Hs.232375	11 11q22.3-q23.1	11.109	10.564	8.945	-0.75
CSRP2	Hs.530904	12 12q21.1	9.374	8.754	7.508	-0.75
CYB5A	Hs.465413	18 18q23	11.28	10.81	9.461	-0.75

DCI	Hs.403436	16 16p13.3	8.165	7.081	6.728	-0.75
C6	Hs.481992	5 5p13	6.988	5.094	5.046	-0.76
MSTP9	Hs.349110					
	Hs.475654	1 1p36.13	7.912	7.414	6.674	-0.74
CTH	Hs.19904	1 1p31.1	7.023	5.866	4.71	-0.75
CYFIP2	Hs.519702	5 5q33.3	8.511	8.009	7.076	-0.74
MFNG	Hs.517603	22 22q12	5.405	5.469	6.461	0.75
IFI44L	Hs.389724	1 1p31.1	4.932	8.337	7.819	0.79
ADA	Hs.255479	20 20q12-q13.11	5.053	5.877	6.218	0.77
CCR1	Hs.301921	3 3p21	4.692	7.18	6.105	0.78
TRAF1	Hs.531251	9 9q33-q34	5.193	5.301	5.818	0.75
LY9	Hs.403857	1 1q21.3-q22	4.2	4.278	4.7	0.74
CXCL11	Hs.632592	4 4q21.2	3.821	9.344	7.992	0.79
SMCHD1	Hs.8118	18 18p11.32	5.546	6.21	6.641	0.76
C1orf24	Hs.518662	1 1q25	5.549	6.095	7.608	0.74
TAPBPL	Hs.504597	12 12p13.31	6.465	6.926	7.436	0.73
FLJ20035	Hs.591710	4 4q32.3	6.497	7.633	7.847	0.75
KCNMA1	Hs.144795	10 10q22.3	5.314	6.43	6.642	0.75
IRF1	Hs.436061	5 5q31.1	5.809	8.051	7.936	0.77
LYN	Hs.491767					
	Hs.614775	8 8q13	5.603	8.055	7.698	0.77
TNFAIP3	Hs.591338	6 6q23	4.981	6.436	6.964	0.77
CD97	Hs.466039	19 19p13	5.378	6.219	6.933	0.75
NA	NA NA	NA	5.88	6.065	6.151	0.74
SATB1	Hs.517717	3 3p23	6.613	6.686	7.422	0.75
FAS	Hs.244139	10 10q24.1	5.878	6.701	7.281	0.74
ITGAM	Hs.172631	16 16p11.2	5.437	7.246	7.256	0.77
CD33	Hs.83731	19 19q13.3	5.534	6.466	6.576	0.76
SLC1A4	Hs.323878	2 2p15-p13	5.808	5.846	6.359	0.75
CXCR4	Hs.421986	2 2q21	5.881	6.433	9.704	0.75
RNASET2	Hs.529989	6 6q27	7.852	10.063	10.434	0.77
RNASET2	Hs.529989	6 6q27	7.897	9.931	10.061	0.77
FAM46C	Hs.356216	1 1p12	4.734	4.848	5.976	0.76
SOD1	Hs.443914	21 21q22.1				
		21 21q22.11	11.682	11.246	10.898	-0.75
MAP3K15	Hs.471144 X	Xp22.12	7.766	7.137	6.548	-0.73
CFI	Hs.312485	4 4q25	10.479	10.078	9.18	-0.74
PTPN3	Hs.436429	9 9q31	7.659	7.537	6.842	-0.75
GHITM	Hs.352656	10 10q23.1	10.67	10.448	9.946	-0.75
ATP5C1	Hs.271135	10 10p15.1	11.575	11.23	10.614	-0.75
C2orf24	Hs.4973	2 2q35	8.517	8.139	7.741	-0.74
APP	Hs.642685	21 21q21.2				
		21 21q21.3	10.177	9.996	9.576	-0.75
COX7A2	Hs.70312	6 6q12	11.349	10.858	10.648	-0.76
COX6C	Hs.351875	8 8q22-q23	11.276	10.674	10.551	-0.75
SERPINA1	Hs.525557	14 14q32.1	12.394	10.815	10.044	-0.75
SCNN1A	Hs.591047	12 12p13	10.097	9.692	8.578	-0.74
EPB49	Hs.106124	8 8p21.1	7.214	6.911	6.705	-0.73

GHITM	Hs.352656	10 10q23.1	10.433	9.914	9.49	-0.75
AKR1C2	Hs.460260					
	Hs.567256	10 10p15-p14	9.324	8.724	6.909	-0.74
COX4I1	Hs.433419	16 16q22-qter	5.602	4.953	5.04	-0.77
SUCLG1	Hs.270428	22p11.2	11.243	10.848	9.374	-0.75
RBP4	Hs.50223	10 10q23-q24	9.46	6.839	6.1	-0.76
LIPA	Hs.127445	10 10q23.2-q23.3	9.23	10.831	10.774	0.78
PLK2	Hs.398157					
	Hs.642858	55q12.1-q13.2	4.865	5.817	6.108	0.75
SETX	Hs.460317	99q34.13	6.445	6.859	7.212	0.74
SLA	Hs.75367	88q22.3-qter				
		8q24	5.586	6.61	6.843	0.76
NCK1	Hs.477693	33q21	6.216	6.706	7.263	0.75
SP110	Hs.145150	22q37.1	6.131	7.128	7.724	0.76
ARTS-1	Hs.436186	55q15	6.493	7.609	8.152	0.74
CD300A	Hs.9688	17 17q25.1	5.451	6.617	7.246	0.75
FCGR2C	Hs.352642	11q23.3	5.7	7.302	7.721	0.75
NA	NA NA	NA	5.104	5.545	9.096	0.76
IFI44	Hs.82316	11p31.1	5.855	7.279	7.323	0.77
RAB31	Hs.99528	18 18p11.3	6.868	8.327	8.865	0.75
FAM49B	Hs.126941	88q24.21	7.528	8.39	8.645	0.76
FKBP11	Hs.119177	12 12q13.12	5.933	6.188	7.901	0.76
PSCD4	Hs.170944	22 22q12.3-q13.1	5.834	6.678	7.203	0.75
LRAP	Hs.591249	55q15	4.242	7.518	6.895	0.76
TRAFD1	Hs.5148	12 12q	6.251	6.635	6.684	0.76
STK38	Hs.409578	66p21	7.5	7.844	8.07	0.73
TRAF5	Hs.523930	11q32	5.406	5.708	6.786	0.74
UBD	Hs.44532	66p21.3	7.027	10.223	9.538	0.77
IGSF6	Hs.530902	16 16p12-p13	4.22	6.782	6.296	0.77
P2RX5	Hs.408615	17 17p13.3	4.894	4.973	5.571	0.75
LAIR1	Hs.572535	19 19q13.4	5.304	7.735	7.711	0.76
MCAM	Hs.599039	11 11q23.3	5.294	5.723	5.956	0.73
SH2D1A	Hs.349094 X	Xq25-q26	5.262	5.527	6.002	0.73
KIAA1245	Hs.515947					
	Hs.534675	11q21.2	7.711	8.169	8.838	0.74
MOBK1B	Hs.196437	22p13.1	8.748	9.235	9.299	0.74
IGL@	Hs.449585	22 22q11.1-q11.2	9.302	9.847	13.306	0.76
IGLV1-44	Hs.449601	22 22q11.2	5.914	6.151	10.794	0.76
TLR8	Hs.272410 X	Xp22	4.234	5.565	5.251	0.76
LDHB	Hs.446149	12 12p12.2-p12.1	12.591	12.282	11.445	-0.74
BRP44	Hs.517768	11q24	9.842	9.596	8.437	-0.74
HDDC2	Hs.32826	66q13-q24.3	9.194	8.385	8.205	-0.76
GP2	Hs.53985	16 16p12	6.262	5.809	5.713	-0.75
COQ7	Hs.157113	16 16p13.11-p12.3	5.81	5.666	5.45	-0.73
LYPLA1	Hs.435850	88q11.23	10.004	9.731	9.426	-0.73
TSFM	Hs.632704	12 12q13-q14	5.549	4.887	4.817	-0.75
IL17RB	Hs.558512	33p21.1	10.301	10.02	7.009	-0.74
C14orf156	Hs.445498	14 14q24.3	9.08	8.581	8.444	-0.74

NPR1	Hs.490330	11q21-q22	7.135	6.858	6.535	-0.74
AQP3	Hs.234642	9p13	10.072	9.7	8.084	-0.75
ARRB2	Hs.435811	1717p13	5.488	6.346	6.556	0.74
BARD1	Hs.591642	22q34-q35	5.215	6.012	6.377	0.75
CLC	Hs.889	1919q13.1	4.254	4.57	6.431	0.72
CAPZA1	Hs.514934	11p13.2	9.265	9.807	10.018	0.75
IGHM	Hs.510635	1414q32.33	6.749	6.868	11.098	0.75
CD74	Hs.591258	55q32	11.174	12.675	12.697	0.77
FAM49A	Hs.467769	22p24.3	4.036	4.403	5.759	0.74
HLA-A	Hs.181244	66p21.3	11.237	12.557	12.253	0.78
HLA-A	Hs.181244	66p21.3	8.4	10.111	9.71	0.79
DDEF1	Hs.106015	88q24.1-q24.2	4.888	5.656	5.813	0.75
HLA-F	Hs.519972	66p21.3	9.08	11.003	10.777	0.79
COX4I1	Hs.433419	1616q22-qter	11.343	10.825	10.811	-0.75
MRPL33	Hs.515879	22p21	10.228	9.553	9.545	-0.76
ARG2	Hs.632330	1414q24.1-q24.3	9.278	8.601	5.415	-0.73
AKR1C1	Hs.460260					
	Hs.567256	1010p15-p14	10.013	9.447	7.795	-0.73
BCS1L	Hs.471401	22q33	6.802	6.481	6.268	-0.74
NDUFA2	Hs.534333	55q31	9.818	9.731	9.309	-0.74
SC5DL	Hs.287749	1111q23.3	8.968	8.209	7.748	-0.74
RNASE4	Hs.283749	1414q11.1	9.133	7.904	7.451	-0.74
ATP5A1	Hs.298280	1818q12-q21	11.934	11.612	11.015	-0.74
C1orf95	Hs.116827					
	Hs.592751	11q42.12	5.695	5.217	5.165	-0.75
CYB5A	Hs.465413	1818q23	11.083	10.447	9.155	-0.75
FAM121B	Hs.495851 X	Xp22.11	8.298	7.594	6.739	-0.75
FAHD2A	Hs.546387	22p24.3-p11.2	7.378	6.908	6.436	-0.74
STK19	Hs.534847	66p21.3	7.463	6.945	6.794	-0.73
DGKA	Hs.524488	1212q13.3	5.861	5.864	6.75	0.75
PLA2G7	Hs.584823	66p21.2-p12	4.205	4.808	5.955	0.74
GALNT1	Hs.514806	1818q12.1	6.221	7.736	7.541	0.78
MX1	Hs.517307	2121q22.3	7.157	8.338	8.54	0.75
TCF4	Hs.569908	1818q21.1	7.062	7.124	8.667	0.75
HLA-F	Hs.519972	66p21.3	8.777	10.726	10.399	0.78
RNF125	Hs.272800					
	Hs.638727	1818q12.1	4.351	4.581	5.074	0.74
TUBB	Hs.533059					
	Hs.636480	66p21.33	9.291	9.867	10.317	0.74
CCDC109B	Hs.234149	44q25	5.577	7.528	7.683	0.76
PYCARD	Hs.499094	1616p12-p11.2	5.707	7.179	7.539	0.75
WAS	Hs.2157 X	Xp11.4-p11.21	6.995	7.44	7.474	0.74
DSTN	Hs.304192					
	Hs.635105	2020p12.1	11.569	11.217	10.99	-0.73
ICT1	Hs.407955	1717q25.1	7.395	6.898	6.629	-0.74
PSMD9	Hs.131151	1212q24.31-q24.32	8.125	7.943	7.436	-0.73
NDUFS4	Hs.528222	55q11.1	9.197	8.699	8.403	-0.74
PAX8	Hs.469728	22q12-q14	8.959	8.546	7.521	-0.73

CSRP2	Hs.530904	12 12q21.1	8.678	8.145	6.872	-0.73
CEACAM1	Hs.512682	19 19q13.2	6.234	5.938	5.741	-0.73
GRPEL1	Hs.443723	4 4p16	7.704	7.331	6.876	-0.73
C21orf62	Hs.517235	21 21q22.1	5.429	5.15	4.732	-0.72
CIDEB	Hs.130685					
	Hs.642693					
	Hs.642695	14 14q12	8.843	8.176	7.433	-0.73
FAM121A	Hs.512181 X	Xq21.1	5.162	4.898	4.763	-0.73
BLCAP	Hs.472651	20 20q11.2-q12	8.286	8.153	7.888	-0.72
NDUFB8	Hs.523215	10 10q23.2-q23.33	10.607	10.224	9.864	-0.75
DHCR7	Hs.503134	11 11q13.2-q13.5	5.986	5.733	5.267	-0.72
NDUFB3	Hs.109760	2 2q31.3	9.705	9.445	9.011	-0.73
FDX1	Hs.744	11 11q22	8.891	8.462	8.103	-0.74
ASL	Hs.632015	7 7cen-q11.2	8.194	7.704	6.584	-0.74
ALAS1	Hs.476308	3 3p21.1	8.008	7.866	6.968	-0.74
ACADL	Hs.471277	2 2q34-q35	7.097	6.505	4.957	-0.73
LASS2	Hs.643565	1 1q21.2	9.702	9.653	8.587	-0.74
RAB15	Hs.512492	14 14q23.3	6.465	6.219	5.917	-0.73
EIF3S7	Hs.55682	22 22q13.1	8.858	9.18	9.586	0.73
FBN1	Hs.591133	15 15q21.1	6.254	7.903	8.097	0.75
ATXN7	Hs.476595	3 3p21.1-p12	6.716	7.677	7.82	0.73
NCF4	Hs.474781	22 22q13.1	4.645	5.315	5.976	0.74
PECAM1	Hs.514412	17 17q23	8.156	8.297	9.713	0.74
HBB	Hs.523443	11 11p15.5	5.787	12.45	11.755	0.76
HLA-B	Hs.77961	6 6p21.3	11.179	12.843	12.589	0.78
SH2D1A	Hs.349094 X	Xq25-q26	4.489	4.539	5.103	0.74
SLAMF8	Hs.438683	1 1q23.2	4.841	6.754	8.076	0.76
FAM26B	Hs.241545	10 10pter-q26.12	5.91	6.082	6.687	0.72
MRPL49	Hs.75859	11 11q13	9.05	8.682	8.364	-0.73
ETFDH	Hs.155729	4 4q32-q35	6.558	5.81	4.984	-0.74
ACO1	Hs.642741	9 9p22-q32				
		9p22-p13	9.087	8.453	7.253	-0.74
ATP5L	Hs.486360	11 11q23.3	9.608	9.054	8.594	-0.73
KHDRBS3	Hs.444558	8 8q24.2	6.593	6.088	5.693	-0.73
IDH3B	Hs.436405	20 20p13	8.312	7.945	7.704	-0.75
COX7C	Hs.430075	5 5q14	9.272	8.635	8.435	-0.74
AKR1C1	Hs.460260					
	Hs.567256	10 10p15-p14	9.164	8.725	7.034	-0.73
CHCHD3	Hs.444467	7 7q32.3-q33	8.004	7.651	7.249	-0.72
SLCO4C1	Hs.127648	5 5q21.2	9.241	8.671	6.453	-0.73
MARCKS	Hs.519909	6 6q22.2	5.69	7.955	8.224	0.76
GALNT1	Hs.514806	18 18q12.1	6.605	7.732	7.797	0.75
TAP1	Hs.352018	6 6p21.3	6.468	8.647	8.208	0.76
CIITA	Hs.126714	16 16p13	5.014	5.185	5.61	0.72
JAK2	Hs.591081	9 9p24	4.28	4.841	4.92	0.75
KIAA0125	Hs.632338					
	Hs.640199	14 14q32.33	4.314	4.327	5.797	0.74
SP140	Hs.632549	2 2q37.1	4.322	4.478	5.725	0.73

HLA-B	Hs.77961	66p21.3	10.272	12.469	12.072	0.78
CAV1	Hs.74034	77q31.1	7.093	9.082	9.199	0.74
ATP2B4	Hs.343522	11q32.1	7.111	7.403	7.738	0.73
OGT	Hs.405410 X	Xq13	5.334	6.498	6.743	0.74
LOC91316	Hs.148656	2222q11.23	8.25	8.423	11.609	0.75
DAPP1	Hs.436271	44q25-q27	5.231	5.502	5.931	0.73
CARD15	Hs.592072	1616q21	4.065	4.142	4.662	0.74
PILRA	Hs.444407	77q22.1	5.085	6.257	6.569	0.74
KIAA0674	Hs.522351	99q32	7.22	7.694	7.724	0.75
ISG20	Hs.459265	1515q26	5.662	6.658	7.272	0.74
PLEK	Hs.468840	22p14	6.191	8	7.811	0.76
ADRB2	Hs.591251	55q31-q32	4.46	4.612	5.496	0.73
CASP5	Hs.213327	1111q22.2-q22.3	4.86	5.119	5.201	0.73
PTRF	Hs.437191	1717q21.31	6.922	7.58	7.995	0.72
NCKAP1L	Hs.182014	1212q13.1	5.825	7.599	7.697	0.75
HLA-G	Hs.181244					
	Hs.512152	66p21.3	8.36	9.894	9.636	0.78
NA	NA NA	NA	6.048	6.117	9.047	0.75
HBB	Hs.523443	1111p15.5	5.848	12.516	11.816	0.76
KIAA0746	Hs.479384	44p15.2	6.633	6.904	8.224	0.74
HLA-C	Hs.77961					
	Hs.449621					
	Hs.591791	66p21.3	10.937	12.349	12.075	0.78
NA	NA NA	NA	6.09	6.163	9.025	0.75
IGL@	Hs.449585	2222q11.1-q11.2	5.42	5.433	6.607	0.74
GIMAP6	Hs.438823	7NA	6.755	7.046	8.447	0.73
NDUFA5	Hs.643550	77q32	10.004	9.616	9.061	-0.73
MPP6	Hs.533355	77p15	4.77	4.63	4.27	-0.72
TYRP1	Hs.270279	99p23	6.983	6.197	4.307	-0.73
DBI	Hs.78888	22q12-q21	9.998	9.969	9.084	-0.73
PIGH	Hs.553497	1414q11-q24	7.248	6.418	6.182	-0.74
DLAT	Hs.335551	1111q23.1	8.09	7.667	6.579	-0.71
FAM96B	Hs.9825	1616q22.1-q22.3	9.439	9.124	8.822	-0.72
ANGPTL3	Hs.209153	11p31.1-p22.3	7.933	6.381	4.616	-0.74
ATP6V0A4	Hs.98967	77q33-q34	7.673	7.595	5.466	-0.74
DPYSL3	Hs.519659	55q32	5.448	5.51	6.592	0.72
CYBA	Hs.513803	1616q24	8.496	9.987	9.883	0.75
CYBB	Hs.292356 X	Xp21.1	5.26	7.744	7.716	0.76
ELMO1	Hs.304578	77p14.2	4.771	5.073	5.79	0.73
ISLR	Hs.513022	1515q23-q24	5.082	5.418	6.097	0.71
CSF2RA	Hs.520937 X					
	Y	Xp22.32 and Yp11.3	4.652	4.937	5.176	0.73
HLA-G	Hs.181244					
	Hs.512152	66p21.3	9.521	11.214	10.915	0.78
NA	NA NA	NA	5.511	5.649	10.887	0.74
GM2A	Hs.483873	55q31.3-q33.1	6.332	7.151	7.642	0.74
DHCR7	Hs.503134	1111q13.2-q13.5	6.081	5.747	5.727	-0.73
NDUFS8	Hs.90443	1111q13	7.263	6.756	6.292	-0.72

SOCS2	Hs.485572	12 12q	8.058	6.43	6.85	-0.74
COX17	Hs.534383	3 3q13.33	8.806	7.997	8.045	-0.75
MIPEP	Hs.507498	13 13q12	7.4	7.08	6.125	-0.73
SALL1	Hs.135787	16 16q12.1	7.226	6.562	5.062	-0.72
CIAPIN1	Hs.4900	16 16q13-q21	8.269	8.007	7.674	-0.72
SC4MOL	Hs.105269					
	Hs.593050	4 4q32-q34	9.222	8.279	7.703	-0.71
TPD52L1	Hs.591347	6 6q22-q23	6.819	6.496	5.882	-0.72
ATP5F1	Hs.514870	1 1p13.2	11.527	11.265	10.723	-0.73
POLR2I	Hs.47062	19 19q12	8.237	7.738	7.501	-0.74
RDH11	Hs.226007	14 14q24.1	8.209	7.706	7.133	-0.72
POLDIP2	Hs.241543	17 17q11.2	8.059	7.855	7.103	-0.73
NDUFB2	Hs.324250	7 7q34	9.418	8.969	8.659	-0.73
BRE	Hs.11916					
	Hs.258314	2 2p23.2	8.059	7.341	6.737	-0.74
SMC4	Hs.58992	3 3q26.1	6.117	7.315	7.225	0.75
RNASE1	Hs.78224	14 14q11.2	9.353	10.161	10.836	0.72
DYRK2	Hs.173135	12 12q15	4.489	5.312	5.337	0.75
KCNJ2	Hs.1547	17 17q23.1-q24.2	4.554	5.625	5.874	0.73
MS4A2	Hs.386748	11 11q13	3.842	3.837	4.626	0.74
CXCR3	Hs.198252 X	Xq13	4.708	4.868	5.255	0.71
FAS	Hs.244139	10 10q24.1	5.477	6.85	7.005	0.73
CKAP2	Hs.444028					
	Hs.449585					
	Hs.521482	13 13q14	5.075	6.221	6.118	0.74
MAFB	Hs.642679	20 20q11.2-q13.1	7.094	9.213	9.604	0.74
OSBP	Hs.502688	11 11q12-q13	8.179	8.047	7.527	-0.72
PPM1A	Hs.592298	14 14q23.1	8.618	8.325	7.808	-0.72
STK3	Hs.492333	8 8q22.2	7.973	7.414	6.838	-0.72
AMACR	Hs.508343	5 5p13.2-q11.1	8.805	8.372	6.634	-0.72
PFKM	Hs.75160	12 12q13.3	8.371	8.173	7.17	-0.72
AKR1C2	Hs.460260					
	Hs.567256	10 10p15-p14	9.356	8.918	6.818	-0.72
PEBP1	Hs.433863	12 12q24.23	10.638	9.967	9.519	-0.74
PWCR1	Hs.555970	15 15q11.2	8.126	7.722	7.473	-0.72
LMBRD1	Hs.271643	6 6q13	10.297	10.031	9.645	-0.73
NDUFB2	Hs.324250	7 7q34	10.727	10.18	9.889	-0.73
OPLAH	Hs.305882	8 8q24.3	5.431	4.889	4.571	-0.72
BCL11B	Hs.510396	14 14q32.2	4.176	4.196	5.007	0.74
UBE1L	Hs.16695	3 3p21	6.437	6.836	7.096	0.72
RPL4	Hs.186350					
	Hs.591306	15 15q22	11.582	11.622	12.036	0.72
SH2B3	Hs.506784	12 12q24	6.161	6.899	7.478	0.71
FUT8	Hs.118722	14 14q24.3	5.711	6.206	6.542	0.73
NCF1	Hs.520943	7 7q11.23	4.576	5.095	5.553	0.72
NAP1L1	Hs.524599					
	Hs.643135	12 12q21.2	9.146	9.497	9.926	0.72
HLA-C	Hs.77961					

	Hs.449621						
	Hs.591791	6p21.3	11.215	12.501	12.288	0.77	
IGHA1	Hs.510635	14 14q32.33	6.004	6.115	10.224	0.74	
ATM	Hs.435561	11 11q22-q23	6.865	6.968	7.724	0.72	
CENTD1	Hs.479451	4 4p14	5.283	5.766	6.511	0.72	
NA	NA NA	NA	5.666	5.788	10.005	0.74	
MLSTD1	Hs.298851	12 12p11.22	4.842	5.293	5.541	0.72	
NDUFAB1	Hs.189716	16 16p12.1	10.554	9.744	9.686	-0.74	
FGFR2	Hs.533683	10 10q26	6.755	6.714	5.411	-0.76	
PET112L	Hs.119316	4 4q27-q28	6.607	6.455	6.037	-0.73	
PDCD8	Hs.424932 X	Xq25-q26	8.868	8.57	6.716	-0.72	
KNG1	Hs.77741	3 3q27	11.052	8.721	7.508	-0.72	
GRB14	Hs.411881	2 2q22-q24	7.65	7.17	6.518	-0.73	
CDH16	Hs.513660	16 16q22.1	9.917	9.937	7.916	-0.73	
IL1RL1	Hs.66	2 2q12	7.01	4.919	5.259	-0.75	
ACAT2	Hs.571037	6 6q25.3-q26	7.48	6.851	6.571	-0.71	
IDH2	Hs.513141	15 15q26.1	9.173	9.264	8.05	-0.74	
KIAA0500	Hs.593760	14 14q32.2	7.692	7.308	6.604	-0.71	
PNPO	Hs.631742	17 17q21.32	7.94	7.513	6.66	-0.73	
ACTR2	Hs.393201	2 2p14	9.207	10.041	10.42	0.72	
NBPF14	Hs.467587						
	Hs.515947						
	Hs.534675						
	Hs.607640	1 1q12-1q21.2	9.267	9.362	9.96	0.72	
FYB	Hs.370503	5 5p13.1	5.089	5.989	6.291	0.74	
GNLY	Hs.105806	2 2p12-q11	4.339	4.388	6.032	0.72	
SYK	Hs.371720	9 9q22	5.382	5.969	6.519	0.73	
HLA-G	Hs.181244						
	Hs.512152	6 6p21.3	10.013	11.662	11.276	0.77	
HBA2	Hs.449630	16 16p13.3	5.556	11.655	11.048	0.76	
SULF1	Hs.409602	8 8q13.2-q13.3	6.152	6.609	7.91	0.72	
RPL5	Hs.180946						
	Hs.532359	1 1p22.1	6.318	6.657	7.365	0.71	
IGL@	Hs.449585	2 2 22q11.1-q11.2	5.474	5.592	9.716	0.74	
NA	NA NA	NA	5.645	5.871	10.156	0.74	
CLEC7A	Hs.143929	12 12p13.2	5.357	7.076	7.77	0.74	
SLC25A5	Hs.632282 X	Xq24-q26	11.18	10.746	10.144	-0.72	
CKB	Hs.173724	14 14q32	7.992	8.522	6.786	-0.73	
KCNK1	Hs.208544	1 1q42-q43	6.019	5.47	5.311	-0.71	
HOXA4	Hs.595822	7 7p15-p14	6.239	5.812	5.805	-0.73	
FXYD2	Hs.413137	11 11q23	10.786	10.66	9.338	-0.72	
ATP5H	Hs.514465	17 17q25	11.545	11.342	10.885	-0.72	
PPM1H	Hs.435479	12 12q14.1-q14.2	6.626	6.277	5.704	-0.71	
WBP5	Hs.533287 X	Xq22.1-q22.2	9.919	9.735	9.331	-0.71	
KCNJ16	Hs.463985	17 17q23.1-q24.2	11.4	11.257	10.386	-0.72	
CA8	Hs.491813	8 8q11-q12	5.242	5.003	4.773	-0.71	
ALDH6A1	Hs.293970	14 14q24.3	10.436	9.651	7.061	-0.73	
DEC1	Hs.492212	8 8q21.3	9.883	9.643	8.865	-0.73	

ARL4D	Hs.183153						
	Hs.633470	17 17q12-q21	7.101	6.872	6.222	-0.71	
TUBB2A	Hs.300701	6p25	9.4	8.871	7.552	-0.71	
SLC13A3	Hs.250281	20 20q12-q13.1	9.706	8.484	6.285	-0.72	
PEBP1	Hs.433863	12 12q24.23	10.938	9.962	9.427	-0.73	
FOLR3	Hs.352	11 11q13	5.737	5.265	5.009	-0.72	
KCNJ3	Hs.591606	22q24.1	4.3	4.271	3.886	-0.73	
GABARAPL1	Hs.524250	12 12p13.2	8.402	7.584	7.026	-0.71	
DLD	Hs.131711	7 7q31-q32	10.115	9.873	8.916	-0.73	
IDH3B	Hs.436405	20 20p13	8.248	7.836	7.585	-0.73	
HOMER2	Hs.578443	15 15q24.3	5.124	4.975	4.906	-0.71	
KNG1	Hs.77741	33q27	7.97	6.499	5.489	-0.71	
MOCS2	Hs.163645	55q11	8.194	7.851	7.217	-0.72	
DHRS7B	Hs.386989	17 17p12	7.424	7.254	6.701	-0.71	
CCDC44	Hs.174134	17 17q23.3	7.265	6.931	6.199	-0.71	
GPR177	Hs.22137	1 1p31.3	8.381	7.938	7.24	-0.71	
M6PR	Hs.134084	12 12p13	8.09	8.509	8.687	0.73	
CSK	Hs.77793	15 15q23-q25	6.405	6.771	7.482	0.71	
RPS19	Hs.438429	19 19q13.2	11.029	11.433	11.884	0.71	
PDCD4	Hs.232543	10 10q24	6.473	6.653	7.034	0.72	
EDEM1	Hs.224616	33p26.2	6.572	6.677	7.277	0.71	
EZH2	Hs.444082	7 7q35-q36	4.13	4.699	4.886	0.72	
PMAIP1	Hs.96	18 18q21.32	4.163	4.725	5.402	0.73	
CXCL10	Hs.632586	4 4q21	5.802	11.268	9.442	0.77	
ARPC2	Hs.529303	22q36.1	8.9	9.393	9.656	0.73	
LILRA6	Hs.241797	19 19q13.4	5.108	5.389	5.664	0.71	
HBA1	Hs.449630	16 16p13.3	5.579	11.246	10.526	0.76	
HLA-C	Hs.77961						
	Hs.449621						
	Hs.591791	6 6p21.3	9.066	11.154	10.758	0.77	
GNPTAB	Hs.46850	12 12q23.2	6.86	7.902	8.231	0.71	
PTPN2	Hs.123352	18 18p11.3-p11.2	7.737	7.93	8.743	0.72	
RPS19	Hs.438429	19 19q13.2	11.487	11.951	12.27	0.71	
HBA1	Hs.449630	16 16p13.3	5.593	12.311	11.828	0.76	
HBA1	Hs.449630	16 16p13.3	5.757	11.615	11.014	0.75	
ZBTB16	Hs.591945	11 11q23.1	6.709	5.31	5.288	-0.73	
IFI30	Hs.14623	19 19p13.1	8.84	10.361	10.628	0.74	
CD55	Hs.527653	1 1q32	6.469	7.068	7.882	0.7	
GBP1	Hs.62661	1 1p22.2	6.524	10.275	9.163	0.77	
MGAT2	Hs.93338	14 14q21	7.384	7.885	8.319	0.71	
DGKA	Hs.524488	12 12q13.3	4.176	4.216	4.859	0.72	
SP3	Hs.531587	22q31	8.137	8.5	8.931	0.71	
NID1	Hs.356624	1 1q43	7.86	7.585	6.987	-0.73	
DBI	Hs.78888	22q12-q21	11.414	11.339	10.468	-0.72	
DCTN6	Hs.158427	8 8p12-p11	9.018	8.672	8.487	-0.71	
PRRG2	Hs.35101	19 19q13.33	5.402	5.226	4.93	-0.71	
FCN3	Hs.333383	1 1p36.11	7.339	5.448	5.547	-0.74	
COBLL1	Hs.470457	22q24.3	4.153	3.927	3.932	-0.73	

RNF128	Hs.496542 X	Xq22.3	8.69	8.121	6.389	-0.71
KCTD14	Hs.17296	11 11q14.1	6.441	6.067	5.554	-0.69
SH3BP4	Hs.516777	22q37.1-q37.2	8.661	8.016	7.696	-0.72
TULP3	Hs.198853	12 12p13.3	6.473	6.204	6.004	-0.71
CTSH	Hs.148641	15 15q24-q25	11.331	10.747	10.319	-0.71
GPX2	Hs.2704	14 14q24.1	7.14	6.815	5.957	-0.71
MTFR1	Hs.444831	8 8q13.1	7.234	6.625	5.641	-0.71
GADD45B	Hs.110571	19 19p13.3	8.824	7.506	7.673	-0.76
AMACR	Hs.508343	5 5p13.2-q11.1	8.832	8.64	6.425	-0.71
SHMT1	Hs.513987					
	Hs.636044					
	Hs.642675	17 17p11.2	8.526	8.345	6.244	-0.72
ANXA9	Hs.591483	1 1q21	6.678	6.016	5.346	-0.72
GP2	Hs.53985	16 16p12	5.256	4.621	4.605	-0.73
NDUFA10	Hs.277677	22q37.3	9.113	8.724	8.553	-0.72
UGT2A3	Hs.122583	4 4q13.2	9.252	8.268	5.516	-0.71
SLC12A1	Hs.123116	15 15q15-q21.1	11.412	9.864	8.386	-0.71
LRRC19	Hs.128071	9 9p21.2	8.443	7.939	5.275	-0.72
C3orf28	Hs.584881	3 3q21.1	10.537	10.588	9.737	-0.73
RNF32	Hs.490715	7 7q36	3.675	3.604	3.559	-0.71
VIM	Hs.533317					
	Hs.633873	10 10p13	10.51	12.044	11.913	0.75
BIRC4BP	Hs.441975	17 17p13.2	5.575	6.643	6.387	0.74
VAV1	Hs.116237	19 19p13.2	5.123	5.788	6.381	0.71
ST8SIA4	Hs.308628	5 5q21	3.959	4.46	4.853	0.73
PECAM1	Hs.514412	17 17q23	6.497	7.379	8.967	0.73
MDK	Hs.82045	11 11p11.2	5.623	6.432	6.296	0.73
SLC1A4	Hs.323878	2 2p15-p13	4.738	4.877	5.525	0.71
HLA-G	Hs.181244					
	Hs.512152	6 6p21.3	8.026	9.148	8.978	0.76
IGLJ3	Hs.449585	22 22q11.1-q11.2	5.311	5.214	9.25	0.73
IGHA1	Hs.510635	14 14q32.33	6.106	6.225	9.54	0.72
IGLC1	NA	22 22q11.2	5.541	5.332	10.532	0.73
IGHG1	Hs.510635	14 14q32.33	7.783	7.216	12.2	0.73
IGHG1	Hs.510635	14 14q32.33	4.417	4.624	5.773	0.71
RAB31	Hs.99528	18 18p11.3	7.653	8.57	9.099	0.72
TRPV2	Hs.279746	17 17p11.2	6.129	6.256	6.882	0.71
CENTA2	Hs.514063	17 17q11.2	5.929	7.009	7.011	0.74
MS4A4A	Hs.325960	11 11q12	6.613	10.02	9.49	0.75
ASPM	Hs.121028	1 1q31	3.743	5.731	4.417	0.75
LGALS1	Hs.445351	22 22q13.1	9.27	10.618	10.79	0.73
TNFAIP2	Hs.525607	14 14q32	6.177	7.104	7.577	0.71
C1QB	Hs.8986	1 1p36.12	6.731	10.604	10.488	0.74
DDB2	Hs.643521	11 11p12-p11	5.175	5.683	5.988	0.71
ENTPD1	Hs.576612	10 10q24	4.449	5.382	6.316	0.74
TLR5	Hs.135853	1 1q41-q42	5.486	5.644	6.353	0.72
DTNB	Hs.307720	2 2p24	4.202	4.141	5.863	0.73
ADA	Hs.255479	20 20q12-q13.11	4.62	4.797	4.962	0.71

STAB1	Hs.301989	33p21.1	6.502	7.509	8.058	0.71
CYP7B1	Hs.491869	88q21.3	4.444	4.239	4.132	-0.71
GADD45B	Hs.110571	1919p13.3	9.174	7.417	7.645	-0.75
RBPMS	Hs.334587	88p12-p11	9.004	8.989	7.797	-0.72
SLC19A2	Hs.30246	11q23.3	7.002	6.418	5.309	-0.69
DBI	Hs.78888	22q12-q21	11.369	11.288	10.418	-0.72
SLC1A1	Hs.444915	99p24	9.607	9.024	7.121	-0.71
PPP1R13B	Hs.436113	1414q32.33	6.738	6.328	6.122	-0.7
PRKAB1	Hs.6061	1212q24.1	7.774	7.608	7.131	-0.69
AMFR	Hs.295137	1616q21	7.584	6.761	6.598	-0.7
NDUFB5	Hs.518424	33q26.33	10.325	10.027	9.607	-0.71
HRSP12	Hs.18426	88q22	10.301	9.393	7.238	-0.72
POLR2H	Hs.432574	33q28	7.955	7.777	7.5	-0.71
BCL2L2	Hs.410026	1414q11.2-q12	7.774	7.33	6.974	-0.7
EPPB9	Hs.462445	1717p11.2	6.277	6.088	5.774	-0.71
BDH1	Hs.274539	33q29	6.508	6.365	5.376	-0.72
ZNF710	Hs.459311	1515q26.1	7.213	7.071	5.634	-0.71
CTTN	Hs.632133	1111q13	5.799	5.182	4.788	-0.7
FLJ21963	Hs.259559	1212q21.31	6.185	5.979	5.162	-0.71
C6orf79	Hs.214043	66p24.3-p23	7.821	7.466	6.563	-0.72
RGS14	Hs.9347	55q35.3	6.26	6.02	5.812	-0.7
ADAR	Hs.12341	11q21.1-q21.2	9.04	9.287	9.536	0.71
MCM6	Hs.444118	22q21	7.034	8.076	8.139	0.73
COL1A2	Hs.489142	77q22.1	8.747	10.352	10.134	0.73
LYN	Hs.491767					
	Hs.614775	88q13	5.932	7.502	7.952	0.72
SKP2	Hs.23348	55p13	5.136	5.907	5.985	0.71
CHES1	Hs.434286					
	Hs.621371	1414q31.3	6.072	6.221	7.032	0.7
CDH11	Hs.116471	1616q22.1	5.523	5.796	6.633	0.7
CD8B	Hs.405667					
	Hs.610012	22p12	4.926	5.281	5.883	0.7
FGR	Hs.1422	11p36.2-p36.1	5.121	5.504	6.254	0.7
HLA-B	Hs.77961	66p21.3	10.124	12.465	11.916	0.76
BIRC3	Hs.127799	1111q22	6.528	7.422	8.349	0.71
NA	NA	NA	6.637	6.69	8.485	0.72
UBE2J1	Hs.163776	66q15	7.184	7.532	8.44	0.71
C14orf139	Hs.41502	1414q32.13	5.194	5.42	6.681	0.71
ATP8B4	Hs.511311	1515q21.2	4.118	4.735	4.989	0.71
C21orf96	Hs.149261	2121q22.12	5.469	5.429	6.307	0.73
MARCKS	Hs.519909	66q22.2	8.208	9.706	10.246	0.71
CBFB	Hs.460988	1616q22.1	6.974	7.547	8.093	0.71
EBI2	Hs.784	1313q32.3	4.302	4.155	6.855	0.73
CPA3	Hs.646	33q21-q25	5.112	4.837	9.982	0.73
IL10RB	Hs.512211	2121q22.1-q22.2				
		21q22.11	6.575	7.626	7.757	0.72
SERPINB9	Hs.104879	66p25	5.17	6.284	7.117	0.71
SULF1	Hs.409602	88q13.2-q13.3	5.635	6.313	7.966	0.7

C22orf9	Hs.592207	22 22q13.31	4.956	5.253	5.591	0.7
IGL@	Hs.449585	22 22q11.1-q11.2	5.5	5.503	9.43	0.73
HBB	Hs.523443	11 11p15.5	6.424	12.111	11.582	0.73
EVL	Hs.125867	14 14q32.2	6.027	6.144	7.434	0.72
INTS8	Hs.521693					
	Hs.567387	8 8q22.1	7.062	7.546	7.904	0.7
CYLD	Hs.578973	16 16q12.1	5.639	5.764	6.469	0.7
PMM1	Hs.75835	22 22q13.2	7.189	6.897	6.229	-0.7
SURF2	Hs.159448	9 9q34.2	6.259	5.424	5.675	-0.74
GRM1	Hs.32945	6 6q24	4.202	4.027	3.976	-0.72
NDUFA9	Hs.75227	12 12p13.3	9.572	9.367	8.922	-0.7
KCNJ1	Hs.527830	11 11q24	10.458	10.245	8.304	-0.69
ACOT11	Hs.234786	1 1p32.3	6.282	6.147	5.267	-0.71
C14orf140	Hs.48642	14 14q24.3	5.561	5.157	4.884	-0.73
FRAP1	Hs.338207	1 1p36.2	5.663	5.48	5.407	-0.7
NDUFA7	Hs.333427	19 19p13.2	8.236	8	7.713	-0.71
FDX1	Hs.744	11 11q22	7.875	7.422	7.116	-0.71
MAOB	Hs.46732 X	Xp11.23	9.042	8.462	7.772	-0.71
GHR	Hs.125180	5 5p13-p12	7.556	6.168	5.233	-0.71
CBFA2T2	Hs.153934	20 20q11	6.406	6.206	5.984	-0.7
REEP5	Hs.429608	5 5q22-q23	10.31	10.011	9.606	-0.7
MRPS11	Hs.111286	15 15q25	7.667	7.453	7.251	-0.7
MGC4172	Hs.462859	17 17q12	5.525	5.148	4.593	-0.71
EPS8L1	Hs.438862	19 19q13.42	6.346	5.991	5.976	-0.71
HMGCS1	Hs.397729	5 5p14-p13	7.114	6.596	6.432	-0.71
SMC4	Hs.58992	3 3q26.1	5.287	6.705	6.391	0.73
F2R	Hs.482562	5 5q13	5.965	7.718	7.118	0.73
RGS4	Hs.386726	1 1q23.3	4.238	4.492	4.605	0.71
OASL	Hs.118633	12 12q24.2	5.14	5.553	5.756	0.7
PRKCH	Hs.333907	14 14q22-q23	4.666	4.802	5.327	0.7
C3AR1	Hs.591148	12 12p13.31	7.081	8.389	9.142	0.72
FAP	Hs.516493	2 2q23	4.409	4.533	5.841	0.71
FCGR2C	Hs.352642	1 1q23.3	5.802	7.223	7.51	0.72
IGHV1-69	Hs.634941	14 14q32.32-q32.33	5.057	4.977	8.409	0.73
IGHG1	Hs.510635	14 14q32.33	5.586	5.536	8.269	0.73
HLA-E	Hs.118354	6 6p21.3	8.778	10.282	9.989	0.76
MDFIC	Hs.427236	7 7q31.1-q31.2	3.991	4.123	4.383	0.71
PLXND1	Hs.301685	3 3q21.3	6.436	6.907	7.263	0.71
TUFM	Hs.12084	16 16p11.2	9.378	8.938	8.574	-0.7
GSS	Hs.82327	20 20q11.2	7.976	7.577	7.249	-0.69
ETFA	Hs.39925	15 15q23-q25	9.425	9.147	8.525	-0.71
UQCR	Hs.8372	19 19p13.3	10.535	10.191	9.837	-0.71
BRE	Hs.11916					
	Hs.258314	2 2p23.2	8.498	8.118	7.97	-0.7
VAPA	Hs.165195	18 18p11.22	10.307	10.048	9.842	-0.69
MRPS18B	Hs.118354	6 6p21.3	8.191	7.979	7.394	-0.69
HIP1R	Hs.524815	12 12q24	6.619	6.383	5.784	-0.69
WWP2	Hs.408458	16 16q22.1	5.735	5.488	5.485	-0.71

TUBB2B	Hs.300701	6p25	7.041	6.494	5.141	-0.69
STOML2	Hs.3439	9p13.1	7.926	7.915	7.474	-0.72
DNAJC11	Hs.462640	11p36.31	7.698	7.627	6.987	-0.7
MRPS28	Hs.521124	8q21.1-q21.2	8.287	7.856	7.026	-0.7
MTCH1	Hs.485262	6pter-p24.1	10.523	10.186	9.901	-0.68
IQGAP1	Hs.430551	15 15q26.1	9.492	10.135	10.449	0.71
GYPC	Hs.59138	22q14-q21	7.403	7.771	8.166	0.69
CAV1	Hs.74034	7q31.1	6.117	7.43	7.693	0.7
DCK	Hs.709	4q13.3-q21.1	6.364	6.801	7.597	0.7
MRC1	Hs.75182	10 10p12.33	7.187	9.671	9.165	0.73
CCR7	Hs.370036	17 17q12-q21.2	4.563	4.52	5.397	0.71
RBPSUH	Hs.479396	4 4p15.2	7.308	8.104	8.172	0.7
C3orf63	Hs.116877	3 3p14.3	6.707	6.779	7.208	0.71
CUGBP1	Hs.632137	11 11p11	7.033	7.18	7.455	0.71
NPAT	Hs.171061					
	Hs.435561	11 11q22-q23	6.132	6.499	6.789	0.7
CSF2RA	Hs.520937 X Y	Xp22.32 and Yp11.3	4.319	4.331	4.778	0.71
NFATC3	Hs.632209	16 16q22.2	6.336	6.653	7.091	0.69
APOBEC3A	Hs.348983	22 22q13.1-q13.2	3.852	4.31	4.647	0.7
NCK1	Hs.477693	3 3q21	6.664	6.86	7.542	0.7
NAP1L1	Hs.524599					
	Hs.643135	12 12q21.2	9.112	9.298	9.811	0.69
FAS	Hs.244139	10 10q24.1	5.277	6.49	6.588	0.7
AKAP13	Hs.459211	15 15q24-q25	6.904	7.409	7.859	0.69
CNAP1	Hs.5719	12 12p13.3	5.302	5.904	5.871	0.72
SLCO2B1	Hs.7884	11 11q13	6.382	7.925	7.899	0.7
BIRC1	Hs.191356	5 5q13.1	4.883	6.871	6.481	0.72
CXCR6	Hs.34526	3 3p21	4.867	5.366	6.12	0.69
ECOP	Hs.488307	7 7p11.2	7.915	8.617	9.248	0.71
LYN	Hs.491767					
	Hs.614775	8 8q13	5.497	7.586	7.602	0.74
LILRB1	Hs.67846	19 19q13.4	5.728	6.591	7.285	0.71
LOC440607	Hs.534956	1 1p11.2	5.45	8.602	9.329	0.71
MYO9B	Hs.123198	19 19p13.1	5.013	5.351	5.467	0.7
SLAMF8	Hs.438683	1 1q23.2	5.476	6.475	6.803	0.71
SDHA	Hs.440475	5 5p15	9.294	9.177	8.638	-0.7
CRYZ	Hs.83114	1 1p31-p22	10.829	10.454	9.419	-0.7
ITIH2	Hs.75285	10 10p15	5.15	4.98	4.824	-0.71
SCP2	Hs.476365					
	Hs.632399	1 1p32	10.579	10.364	9.94	-0.69
HGD	Hs.368254					
	Hs.616526	3 3q21-q23	8.314	8.216	5.849	-0.7
WWC1	Hs.484047	5 5q35.1	6.429	6.364	5.505	-0.7
TMEM38B	Hs.411925	9 9q31.2	7.157	6.97	5.896	-0.69
DECR2	Hs.9235	16 16p13.3	8.081	7.485	7.108	-0.7
KIAA0446	Hs.532375	1 1q22	7.975	7.243	6.718	-0.7
TSPAN3	Hs.5062	15 15q24.3	10.14	10.006	9.467	-0.69

CTTN	Hs.632133	11 11q13	8.61	8.267	7.842	-0.69
IDH3B	Hs.436405	20 20p13	7.619	7.174	7.057	-0.72
MGC5139	Hs.127610	12 12q24.31	8.368	8.155	7.886	-0.68
MUT	Hs.485527	6 6p21	9.149	8.664	7.501	-0.7
PHYH	Hs.498732	10 10pter-p11.2	10.168	9.43	8.057	-0.71
ITPR1	Hs.567295	3 3p26-p25	7.724	7.351	7.012	-0.69
HGD	Hs.368254					
	Hs.616526	3 3q21-q23	8.743	8.573	5.912	-0.7
CTH	Hs.19904	1 1p31.1	4.972	4.678	4.146	-0.69
PDHB	Hs.161357	3 3p21.1-p14.2	8.218	8.09	7.484	-0.7
RTN4	Hs.429581	2 2p16.3	11.229	11.253	10.802	-0.71
HSPA2	Hs.432648	14 14q24.1	8.708	7.257	7.039	-0.69
MTUS1	Hs.7946	8 8p22	8.252	7.785	7.404	-0.68
FBXO21	Hs.159699	12 12q24.22	7.874	7.697	7.046	-0.7
LAPTM4B	Hs.492314	8 8q22.1	11.237	10.774	10.321	-0.69
CNDP2	Hs.149185	18 18q22.3	10.796	10.804	9.82	-0.71
HCA112	Hs.438823	7 7q36.1	10.97	10.797	9.735	-0.68
PXMP2	Hs.430299	12 12q24.33	8.091	7.435	6.204	-0.7
C6orf60	Hs.443789	6 6q22.31	5.658	5.367	4.988	-0.68
ENC1	Hs.104925	5 5q12-q13.3	6.383	6.918	7.525	0.68
HBA1	Hs.449630	16 16p13.3	5.929	11.491	10.74	0.73
MICB	Hs.211580	6 6p21.3	4.45	5.122	5.794	0.7
SP110	Hs.145150	2 2q37.1	5.569	5.895	6.295	0.68
IGF1	Hs.160562	12 12q22-q23	4.504	4.774	5.56	0.69
APOL1	Hs.114309	22 22q13.1	6.871	8.271	7.951	0.73
EWSR1	Hs.374477	22 22q12.2	4.672	5.153	5.647	0.69
TBC1D2B	Hs.567426	15 15q24.3-q25.1	6.56	7.179	7.593	0.7
MARCKS	Hs.519909	6 6q22.2	4.846	5.438	5.837	0.7
ATP8A1	Hs.435052	4 4p14-p12	5.22	5.34	6.611	0.69
TRA@	Hs.74647	14 14q11.2	4.682	4.763	5.115	0.69
H2AFY	Hs.420272					
	Hs.599225	5 5q31.3-q32	5.063	5.903	6.296	0.7
MSL2L1	Hs.18631	3 3q22.2	5.745	5.966	6.448	0.69
PSAP	Hs.523004	10 10q21-q22	9.195	10.235	10.003	0.71
RPL18A	Hs.337766	19 19p13	10.503	11.059	11.49	0.69
TPR	Hs.279640	1 1q25	8.046	8.431	8.513	0.69
RRM2	Hs.226390	2 2p25-p24	4.119	6.934	5.74	0.73
SERTAD2	Hs.591569	2 2p14	6.697	7.725	7.597	0.71
ATXN1	Hs.434961	6 6p23	7.016	7.371	7.746	0.69
SLAMF1	Hs.523660	1 1q22-q23	4.294	4.326	5.15	0.7
ANXA2P2	Hs.534301	9 9p13	8.457	8.999	9.255	0.71
ARPC5	Hs.518609	1 1q25.3	9.422	10.176	10.411	0.71
SFRS7	Hs.309090	2 2p22.1	6.696	6.899	7.809	0.68
RSAD2	Hs.17518	2 2p25.2	4.704	5.885	5.807	0.73
FNBP1	Hs.189409	9 9q34	6.615	7.07	7.256	0.7
HECA	Hs.197644	6 6q23-q24	7.283	7.37	8.585	0.7
TXNDC5	Hs.150837	6 6p24.3	9.922	10.011	11.312	0.71
ALDH9A1	Hs.2533	1 1q23.1	10.154	9.883	9.469	-0.7

IGSF3	Hs.171057	1 1p13	8.191	8.024	6.839	-0.69
TOM1L1	Hs.153504	17 17q23.2	8.479	7.902	6.799	-0.69
NR1H4	Hs.282735	12 12q23.1	8.457	8.084	6.371	-0.69
CDH19	Hs.42771	18 18q22-q23	4.004	3.766	3.763	-0.71
HBLD2	Hs.449291	9 9q21.33	9.13	8.638	8.105	-0.69
PROSC	Hs.304792					
	Hs.608177	8 8p11.2	9.103	8.794	8.536	-0.69
TACC2	Hs.501252					
	Hs.643068	10 10q26	6.023	5.575	5.052	-0.69
KIAA0446	Hs.532375	1 1q22	7.419	6.743	6.394	-0.71
G0S2	Hs.432132	1 1q32.2-q41	8.239	7.735	7.433	-0.69
AP1M2	Hs.18894	19 19p13.2	7.62	7.22	6.226	-0.7
PPCS	Hs.473495	1 1p34.2	8.359	7.918	7.684	-0.68
ABHD5	Hs.19385	3 3p21	6.458	6.375	5.684	-0.69
TMEM16K	Hs.17949	3 3p22.1-p21.33	7.358	7.151	6.707	-0.69
PGRMC1	Hs.90061 X	Xq22-q24	10.646	10.302	9.625	-0.71
ATP6V1A	Hs.477155	3 3q13.2-q13.31	10.489	10.401	9.79	-0.7
CYB5R1	Hs.334832	1 1p36.13-q41	8.247	8.162	7.57	-0.7
TCTA	Hs.517962	3 3p21	8.086	7.862	7.322	-0.7
MTX2	Hs.470728	2 2q31.1	8.065	7.411	7.035	-0.68
RNASE4	Hs.283749	14 14q11.1	7.971	7.297	6.416	-0.69
FXYD2	Hs.413137	11 11q23	11.837	11.817	10.56	-0.7
TBXA2R	Hs.442530	19 19p13.3	5.245	5.051	5.008	-0.69
SUCLG2	Hs.186512	3 3p14.1	9.163	8.714	7.948	-0.69
UCRC	Hs.284292	22 22cen-q12.3	11.082	10.942	10.407	-0.69
PDZK1IP1	Hs.431099	1 1p33	11.49	11.354	10.109	-0.69
DOM3Z	Hs.153299	6 6p21.3	6.633	6.433	6.291	-0.68
PABPC4	Hs.169900	1 1p32-p36	7.115	7.81	8.196	0.7
NBPF14	Hs.467587					
	Hs.515947					
	Hs.534675					
	Hs.607640	1 1q12-1q21.2	8.491	8.885	9.065	0.69
SAMHD1	Hs.580681	20 20pter-q12	5.477	7.47	7.501	0.73
GPR109B	Hs.458425	12 12q24.31	4.044	4.141	4.628	0.69
UCP2	Hs.80658	11 11q13	6.605	8.352	8.187	0.71
MYD88	Hs.82116	3 3p22	8.335	8.725	9.247	0.68
ARHGEF2	Hs.568509	1 1q21-q22	7.077	7.307	7.787	0.69
HOM-TES-103	Hs.15243	12 12p13.3	6.248	6.444	6.831	0.68
CD47	Hs.446414	3 3q13.1-q13.2	7.734	8.883	9.041	0.7
HLA-DQB1	Hs.409934					
	Hs.534322	6 6p21.3	5.354	8.204	8.472	0.68
HSPA6	Hs.352642	1 1q23	5.097	6.135	7.213	0.7
ICAM2	Hs.431460	17 17q23-q25	7.226	7.41	8.838	0.7
LOC93349	Hs.369056	2 2q37.1	4.945	6.131	6.23	0.71
LOC150759	Hs.503463	2 2q11.2	4.938	5.255	5.971	0.69
COL1A2	Hs.489142	7 7q22.1	6.439	9.095	8.324	0.71
KIAA0101	Hs.81892	15 15q22.31	4.84	7.878	6.693	0.71
WASPIP	Hs.591641	2 2q31.1	5.593	6.259	6.462	0.68

AXL	Hs.590970	19 19q13.1	5.747	7.06	7.121	0.71
PMAIP1	Hs.96	18 18q21.32	3.851	4.242	5.103	0.69
TNFAIP6	Hs.437322	2 2q23.3	3.864	4.205	4.536	0.69
HMGA1	Hs.518805					
	Hs.640435	6 6p21	5.774	6.453	7.51	0.69
KNTC1	Hs.300559	12 12q24.31	4.477	4.843	5.034	0.7
FYB	Hs.370503	5 5p13.1	5.554	6.239	6.307	0.7
LOC94431	Hs.632170	16 16p12.1	5.537	6.045	6.308	0.69
RAB31	Hs.99528	18 18p11.3	6.274	8.431	8.258	0.73
ATAD2	Hs.370834	8 8q24.13	3.899	4.928	4.203	0.73
GRHPR	Hs.155742	9 9q12	9.198	8.556	7.938	-0.69
FARP1	Hs.403917	13 13q32.2	8.735	8.56	7.912	-0.69
SREBF1	Hs.592123	17 17p11.2	5.685	5.64	5.349	-0.69
TBCA	Hs.291212	5 5q14.1	10.561	10.204	9.894	-0.68
SH3BGR	Hs.473847	21 21q22.3	6.075	5.638	5.427	-0.71
TFRC	Hs.529618	3 3q29	9.343	7.733	7.621	-0.69
PLG	Hs.143436	6 6q26	8.96	7.308	5.562	-0.69
TP53I3	Hs.50649	2 2p23.3	7.23	6.946	6.475	-0.67
CTNNA1	Hs.534797	5 5q31	9.949	9.89	9.409	-0.68
SUCLG2	Hs.186512	3 3p14.1	9.646	9.319	8.32	-0.68
MT1M	Hs.643532	16 16q13	11.448	11.003	10.512	-0.69
ZNF710	Hs.459311	15 15q26.1	6.253	6.079	4.82	-0.7
PON3	Hs.440967	7 7q21.3	5.577	4.95	4.817	-0.69
C1QBP	Hs.555866	17 17p13.3	8.588	8.505	7.99	-0.68
SUCLG2	Hs.186512	3 3p14.1	9.678	9.408	8.522	-0.68
FLJ10769	Hs.408324	13 13q34	7.797	7.552	7.246	-0.69
BDH2	Hs.124696	4 4q24	10.869	10.225	9.357	-0.69
PEO1	Hs.22678	10 10q23.3-24.3	5.281	4.978	5.016	-0.73
ASRGL1	Hs.535326	11 11q12.3	9.018	8.572	7.319	-0.69
NA	NA NA	NA	4.414	4.296	4.17	-0.68
PIGV	Hs.259605	1 1p36.11	6.068	5.53	5.5	-0.7
AP1M2	Hs.18894	19 19p13.2	7.23	6.841	5.987	-0.69
COX4I1	Hs.433419	16 16q22-qter	11.621	11.406	11.177	-0.69
ACSL3	Hs.471461	2 2q34-q35	7.757	7.48	7.204	-0.68
EFNA1	Hs.516664	1 1q21-q22	8.629	8.049	7.246	-0.68
MTFR1	Hs.444831	8 8q13.1	8.687	7.899	7.05	-0.68
MYO6	Hs.149387	6 6q13	9.022	8.688	7.841	-0.68
SOCS2	Hs.485572	12 12q	5.329	4.741	4.698	-0.68
IFT88	Hs.187376	13 13q12.1	7.661	7.52	7.144	-0.68
GC	Hs.418497	4 4q12-q13	7.686	3.805	3.865	-0.7
HRASLS3	Hs.502775	11 11q12.3-q13.1	8.791	8.706	7.973	-0.69
NOL7	Hs.643500	6 6p23	7.409	7	6.616	-0.69
GRHPR	Hs.155742	9 9q12	9.131	8.518	8.055	-0.69
LEPREL1	Hs.374191	3 3q28	8.53	8.972	7.677	-0.72
ACACB	Hs.234898	12 12q24.11	6.566	6.071	5.866	-0.68
ZNF710	Hs.459311	15 15q26.1	6.301	6.258	5.158	-0.7
MYCBP2	Hs.591221	13 13q22	7.441	7.563	8.431	0.7
CYBB	Hs.292356 X	Xp21.1	4.742	8.626	8.572	0.72

TBXAS1	Hs.520757	77q34-q35	5.021	5.967	6.366	0.7
CDKN1B	Hs.238990	12 12p13.1-p12	8.676	8.921	9.521	0.68
IFNGR1	Hs.520414	66q23-q24	7.294	8.276	8.826	0.7
ANKRD12	Hs.464585	18 18p11.22	5.83	6.89	7.07	0.7
HLA-DQA1	Hs.387679	66p21.3	5.548	10.17	10.259	0.68
CMTM6	Hs.380627					
	Hs.440494	33p22.3	9.606	10.258	10.316	0.71
SLC2A14	Hs.419240	12 12p13.31	5.867	6.658	7.04	0.69
MDH1	Hs.526521	22p13.3	11.243	10.9	9.976	-0.69
ETFB	Hs.74047	19 19q13.3	8.571	8.117	7.456	-0.69
SIM1	Hs.520293	66q16.3-q21	7.416	6.908	6.452	-0.67
ATXN10	Hs.475125	22 22q13.31	9.628	9.312	9.222	-0.67
CES2	Hs.282975	16 16q22.1	9.948	9.068	7.618	-0.69
SLC35D2	Hs.494556					
	Hs.593332	99q22.32	7.947	7.849	6.945	-0.68
STARD13	Hs.507704	13 13q12-q13	6.075	5.806	5.819	-0.7
TMEM30B	Hs.146180	14 14q23.1	7.547	6.918	6.457	-0.67
ACP1	Hs.558296	22p25	8.332	8.114	7.741	-0.68
ITM2B	Hs.446450	13 13q14.3	11.896	11.581	11.262	-0.68
C9orf82	Hs.178357	99p21.2	8.45	7.979	7.305	-0.66
RBM35B	Hs.436585					
	Hs.592053	16 16q22.1	6.83	6.381	5.828	-0.66
SDHAL1	Hs.566872					
	Hs.586058	33q29	9.526	9.298	8.759	-0.68
ACTR2	Hs.393201	22p14	8.618	9.578	9.778	0.69
PCM1	Hs.491148	88p22-p21.3	7.931	8.383	8.424	0.69
KIF2	Hs.558351	55q12-q13	4.837	5.055	5.248	0.68
LILRB1	Hs.67846	19 19q13.4	5.824	6.246	7.361	0.68
PSMB8	Hs.180062	66p21.3	7.059	9.031	8.701	0.72
RRM2	Hs.226390	22p25-p24	4.728	8.088	6.008	0.71
SACS	Hs.159492	13 13q12	4.681	4.953	5.771	0.67
IGL@	Hs.449585	22 22q11.1-q11.2	5.377	5.384	7.444	0.71
UBE2J1	Hs.163776	66q15	6.657	6.578	7.933	0.7
BAZ1A	Hs.509140	14 14q12-q13	5.468	6.175	6.592	0.69
MAP4K4	Hs.431550	22q11.2-q12	5.215	5.432	6.208	0.68
PARP12	Hs.12646	77q34	5.617	6.543	6.769	0.69
SIGLEC1	Hs.31869	20 20p13	5.348	6.926	6.784	0.71
NDUFV2	Hs.464572	18 18p11.31-p11.2	9.544	9.496	9.007	-0.68
AKR7A3	Hs.6980	11p35.1-p36.23	8.521	7.594	6.839	-0.69
ALDH7A1	Hs.483239	55q31	8.099	7.749	6.963	-0.7
AK2	Hs.470907	11p34	9.305	9.412	8.537	-0.7
SERPINA5	Hs.510334	14 14q32.1	9.185	8.122	6.954	-0.68
TRAPPC4	Hs.524078	11 11q23.3	8.967	8.345	8.137	-0.68
NGFRAP1	Hs.448588 X	Xq22.2	10.817	10.567	9.965	-0.69
AACS	Hs.169054	12 12q24.31	6.869	6.557	6.14	-0.68
SLC25A15	Hs.631772	13 13q14	6.574	6.125	5.776	-0.66
MOSC2	Hs.369042	11q41	6.904	6.601	5.569	-0.7
SH3BGRL	Hs.108029 X	Xq13.3	10.045	10.236	10.404	0.68

ANXA2	Hs.511605	15 15q21-q22	11.033	11.731	11.917	0.7
STAB1	Hs.301989	3 3p21.1	6.377	7.328	7.755	0.69
CDH11	Hs.116471	16 16q22.1	6.209	6.808	8.161	0.68
LGALS3	Hs.531081	14 14q21-q22	10.08	10.514	10.812	0.67
IGFBP3	Hs.450230	7 7p13-p12	7.135	9.158	8.785	0.69
IGHM	Hs.510635	14 14q32.33	6.614	6.571	8.897	0.69
GRN	Hs.514220	17 17q21.32	8.552	9.532	9.59	0.68
IGHG1	Hs.510635	14 14q32.33	4.701	4.664	4.98	0.69
TNKS2	Hs.329327	10 10q23.3	6.62	7.257	7.534	0.69
SPATS2	Hs.146679	12 12q13.12	4.749	5.129	5.36	0.68
DUSP10	Hs.497822	1 1q41	4.806	5.256	5.75	0.69
HADH2	Hs.171280 X	Xp11.2	9.192	8.985	8.566	-0.69
SPR	Hs.301540	2 2p14-p12	7.292	7.078	6.642	-0.67
GCDH	Hs.532699	19 19p13.2	6.92	6.38	6.277	-0.7
NUDT4	Hs.591008	12 12q21	6.77	6.433	5.752	-0.68
NIFUN	Hs.350702					
	Hs.615131	12 12q24.1	11.62	10.93	10.923	-0.69
AKR1C3	Hs.78183	10 10p15-p14	10.718	9.838	7.671	-0.68
PLG	Hs.143436	6 6q26	8.521	7.111	5.507	-0.68
VDAC1	Hs.519320	5 5q31	9.8	9.656	9.298	-0.67
DERA	Hs.39429	12 12p12.3	8.947	8.519	7.899	-0.69
HSPB7	Hs.502612	1 1p36.23-p34.3	5.737	5.459	5.24	-0.67
RBKS	Hs.11916	2 2p23.3	7.702	7.102	6.678	-0.69
CHCHD8	Hs.475387	11 11q13.4	8.253	8.002	7.664	-0.69
ACACB	Hs.234898	12 12q24.11	6.847	5.757	5.548	-0.67
STAT1	Hs.470943	2 2q32.2	9.526	11.488	11.059	0.72
RPA1	Hs.461925	17 17p13.3	5.455	6.105	6.272	0.68
SLC2A3	Hs.419240	12 12p13.3	4.734	6.078	6.531	0.69
FCHSD2	Hs.577053	11 11q13.4	5.916	6.675	7.206	0.68
VNN2	Hs.293130	6 6q23-q24	4.833	6.019	5.856	0.72
LOC388344	Hs.448879	17 17p11.2	11.329	11.57	11.763	0.67
RPL13	Hs.410817	16 16q24.3				
		17p11.2	12.064	12.263	12.401	0.67
ANXA2	Hs.511605	15 15q21-q22	10.713	11.454	11.734	0.7
KIAA1641	Hs.532921					
	Hs.541894					
	Hs.632866	2 2q11.2	3.931	4.748	4.668	0.71
HLA-DQB2	Hs.554753	6 6p21	5.627	5.724	6.157	0.67
B2M	Hs.534255	15 15q21-q22.2	12.477	13.025	12.884	0.71
IGHV1-69	Hs.634941	14 14q32.32-q32.33	4.89	4.749	7.734	0.71
LSM3	Hs.111632	3 3p25.1	9.651	9.421	8.953	-0.67
NNT	Hs.482043	5 5p13.1-5cen	7.492	7.357	6.344	-0.69
LAMP2	Hs.496684 X	Xq24	9.657	9.304	8.347	-0.67
RICS	Hs.440379	11 11q24-q25	5.062	4.614	4.387	-0.68
ST3GAL4	Hs.591947	11 11q23-q24	5.855	5.505	5.422	-0.68
KBTBD11	Hs.5333	8 8p23.3	7.016	7.184	5.655	-0.69
PLCL1	Hs.153322	2 2q33	7.052	6.106	4.863	-0.67
CLCNKA	Hs.591533	1 1p36	8.217	7.93	5.671	-0.68

AZGP1	Hs.546239	77q22.1	9.478	7.817	5.408	-0.69
IRX5	Hs.435730	1616q11.2-q13	4.922	4.634	4.421	-0.66
SULT1C1	Hs.436123	22q11.1-q11.2	9.417	9.053	6.633	-0.68
MT1M	Hs.643532	1616q13	10.215	10.042	9.561	-0.67
AZGP1	Hs.546239	77q22.1	7.679	6.54	5.687	-0.68
FLJ20273	Hs.518727	44p13-p12	10.365	10.255	9.126	-0.67
MRPL46	Hs.534261	1515q24-q25	7.523	7.215	6.804	-0.68
HLA-E	Hs.118354	66p21.3	9.711	11.429	11.117	0.74
SSR4	Hs.409223 X	Xq28	9.927	9.867	11.215	0.71
AYTL2	Hs.368853	55p15.33	6.117	7.122	7.088	0.7
PRG1	Hs.1908	1010q22.1	9.015	10.658	10.763	0.71
MTF2	Hs.591449	11p22.1	6.669	7.506	7.422	0.68
MAD2L1	Hs.591697	44q27	4.136	5.847	5.039	0.7
LOXL1	Hs.65436	1515q24-q25				
		15q22	5.642	6.437	6.793	0.67
RECQL	Hs.235069	1212p12	5.926	6.769	6.971	0.67
LAIR2	Hs.43803	1919q13.4	4.984	5.296	5.527	0.68
HBA1	Hs.449630	1616p13.3	5.791	11.529	10.86	0.71
UBE2J1	Hs.163776	66q15	7.169	7.238	8.62	0.69
EFHD2	Hs.465374	11p36.21	5.395	6.106	6.329	0.69
KIAA1641	Hs.532921					
	Hs.541894					
	Hs.632866	22q11.2	4.867	5.487	5.542	0.69
BHLHB3	Hs.177841	1212p11.23-p12.1	5.556	6.234	7.579	0.67
ACTR1B	Hs.98791	22q11.1-q11.2	7.285	7.165	6.919	-0.67
MUT	Hs.485527	66p21	7.189	6.817	5.858	-0.67
MRPS12	Hs.411125	1919q13.1-q13.2	7.57	7.324	6.943	-0.67
ACADL	Hs.471277	22q34-q35	6.401	5.485	4.582	-0.68
NDUFV1	Hs.7744	1111q13	9.23	9.218	8.511	-0.68
POLR2F	Hs.436578	2222q13.1	7.517	7.091	7.16	-0.7
HSDL2	Hs.59486	99q32	8.292	7.86	6.905	-0.69
GCSH	Hs.546256					
	Hs.575922	1616q23.2	8.72	8.006	7.4	-0.69
AKR7A3	Hs.6980	11p35.1-p36.23	8.415	7.38	6.599	-0.68
HOOK2	Hs.30792	1919p13.13	6.366	6.428	5.814	-0.68
OXSM	Hs.55781	33p24.2	7.606	7.391	6.71	-0.68
TNS1	Hs.471381	22q35-q36	7.442	7.162	6.869	-0.68
EPB41L2	Hs.486470	66q23	6.687	7.211	7.434	0.68
IFNGR1	Hs.520414	66q23-q24	9.061	9.396	9.962	0.67
IRF2	Hs.374097	44q34.1-q35.1	4.96	6.34	6.433	0.68
TNFRSF1B	Hs.256278	11p36.3-p36.2	5.91	6.455	7.301	0.67
NMI	Hs.54483	22p24.3-q21.3	7.666	8.753	8.744	0.69
PLEKHQ1	Hs.458575	1515q22.1	5.826	6.367	6.793	0.68
LMO4	Hs.436792	11p22.3	6.087	6.452	7.027	0.67
ATP2B1	Hs.506276	1212q21.3	5.688	6.241	6.484	0.68
ADAM19	Hs.483944	55q32-q33	5.508	5.544	5.949	0.68
HIST1H2BK	Hs.437275	66p21.33	7.226	8.367	8.441	0.69
IGFBP3	Hs.450230	77p13-p12	8.753	10.409	10.358	0.68

CD84	Hs.398093	1 1q24	4.305	5.155	5.065	0.7
ALOX5	Hs.89499	10 10q11.2	4.313	4.657	5.344	0.68
KIF20A	Hs.73625	5 5q31	4.11	4.972	4.582	0.71
PRKCH	Hs.333907	14 14q22-q23	6.61	6.51	7.653	0.69
GMIP	Hs.49427	19 19p12-p11	5.238	5.526	5.941	0.67
PTPRE	Hs.127022	10 10q26	5.6	6.286	7.453	0.67
TCF4	Hs.569908	18 18q21.1	6.689	6.544	8.466	0.7
OXCT1	Hs.278277	5 5p13.1	8.102	7.254	7.013	-0.67
GADD45G	Hs.9701	9 9q22.1-q22.2	5.402	4.997	5	-0.68
RGS14	Hs.9347	5 5q35.3	6.171	5.997	5.537	-0.67
PARD3	Hs.131489	10 10p11.22-p11.21	7.058	7.108	6.54	-0.68
TMPRSS2	Hs.439309	21 21q22.3	5.577	5.686	4.478	-0.69
LRBA	Hs.480938	4 4q31.3	8.024	7.774	7.484	-0.66
PCCB	Hs.63788	3 3q21-q22	8.293	7.69	6.63	-0.69
ATP5D	Hs.418668	19 19p13.3	8.281	7.704	7.323	-0.67
ALDOB	Hs.530274	9 9q21.3-q22.2	5.027	4.557	4.464	-0.69
MT1F	Hs.513626	16 16q13	10.411	10.252	9.104	-0.67
MRPS18B	Hs.118354	6 6p21.3	8.94	8.372	8.418	-0.67
CCNJL	Hs.14070	5 5q33.3	4.55	4.114	4.311	-0.7
CUL4B	Hs.102914 X	Xq23	7.642	7.961	8.082	0.66
FBN1	Hs.591133	15 15q21.1	5.242	6.291	6.159	0.7
S100A4	Hs.557609	1 1q21	8.218	9.238	10.031	0.67
ICAM2	Hs.431460	17 17q23-q25	6.332	6.552	7.664	0.67
RPS3	Hs.546286	11 11q13.3-q13.5	10.654	10.928	11.228	0.67
FSTL1	Hs.591316	3 3q13.33	8.972	9.898	9.893	0.69
ANXA2	Hs.511605	15 15q21-q22	10.946	11.686	11.871	0.69
RAP2B	Hs.98643	3 3q25.2	6.821	8.632	8.508	0.7
COL3A1	Hs.443625	2 2q31	9.173	12.021	10.539	0.72
IL21R	Hs.210546	16 16p11	3.877	3.963	4.216	0.66
PRKD2	Hs.466987	19 19q13.3	6.169	6.532	6.973	0.66
SIGLEC1	Hs.31869	20 20p13	5.477	6.362	6.323	0.68
IDH3A	Hs.591110	15 15q25.1-q25.2	7.364	7.116	6.67	-0.66
GSTM3	Hs.2006	1 1p13.3	10.051	9.527	8.242	-0.65
YES1	Hs.194148	18 18p11.31-p11.21	8.411	8.119	7.333	-0.66
ACOT2	Hs.446685	14 14q24.3	7.917	7.301	6.358	-0.67
HAGH	Hs.157394					
	Hs.513265	16 16p13.3	8.265	7.582	7.005	-0.69
MPPED2	Hs.289795	11 11p13	5.49	5	4.054	-0.67
FABP1	Hs.380135	2 2p11	10.271	8.76	5.073	-0.67
RPA3	Hs.487540	7 7p22	9.099	8.628	8.284	-0.67
TBC1D1	Hs.176503	4 4p14	8.42	8.428	7.871	-0.68
GADD45B	Hs.110571	19 19p13.3	6.188	5.814	5.867	-0.7
GYS2	Hs.82614	12 12p12.2	3.746	3.651	3.603	-0.68
CPN2	Hs.528368	3 3q29	5.435	4.396	4.243	-0.7
CCNB1IP1	Hs.107003	14 14q11.2	8.718	7.964	7.732	-0.67
TSPAN12	Hs.16529	7 7q31.31	9.692	9.092	8.082	-0.67
ECHDC3	Hs.22242	10 10p14	8.556	8.475	6.637	-0.68
CCND2	Hs.376071	12 12p13	4.672	4.662	5.285	0.68

EFEMP1	Hs.76224	22p16	9.19	10.186	10.103	0.68
TRAM2	Hs.520182	66p21.1-p12	6.41	7.312	7.385	0.69
TGFB1	Hs.155218	1919q13.2				
		19q13.1	5.373	6.987	6.899	0.68
LRMP	Hs.124922	1212p12.1	6.91	7.309	7.984	0.66
HHEX	Hs.118651	1010q23.33	4.86	5.074	5.526	0.68
POU2AF1	Hs.128180	1111q23.1	4.364	4.233	7.951	0.7
PNOC	Hs.88218	88p21	4.424	4.465	5.762	0.68
CLEC10A	Hs.54403	1717p13.1	5.274	5.094	7.129	0.69
NA	NA	NA	6.384	6.96	7.155	0.68
RECQL	Hs.235069	1212p12	6.664	7.501	7.942	0.66
BRCA2	Hs.34012	1313q12.3	3.619	3.842	3.706	0.69
ST18	Hs.147170	88q11.23	3.89	3.703	3.718	-0.69
COPS8	Hs.531713	22q37.3	4.379	4.292	4.207	-0.66
PSME2	Hs.434081					
	Hs.512410	1414q11.2	9.612	10.735	10.364	0.7
HDAC9	Hs.196054	77p21.1	5.254	5.17	5.989	0.69
ADAM28	Hs.174030	88p21.2	5.494	5.746	6.062	0.64
FYN	Hs.390567	66q21	7.713	8.057	8.588	0.68
RPL4	Hs.186350					
	Hs.591306	1515q22	11.845	11.886	12.233	0.67
3.8-1	Hs.132807	66p21.3	6.399	6.475	6.716	0.66
IGKC	Hs.449621	22p12	3.959	3.83	5.754	0.7
C4orf18	Hs.567498	44q32.1	4.243	4.457	5.004	0.68
SKP1A	Hs.171626	55q31	11.49	11.41	11.117	-0.66
DSTN	Hs.304192					
	Hs.635105	2020p12.1	11.002	10.862	10.559	-0.66
GBAS	Hs.591069	77p12	9.21	9.075	8.506	-0.65
TPMT	Hs.444319	66p22.3	7.193	6.842	6.196	-0.67
PEX7	Hs.280932	66q21-q22.2	5.71	5.009	4.798	-0.66
SERPINC1	Hs.75599	11q23-q25.1	4.575	4.184	4.074	-0.68
MTX1	Hs.490874	11q21	7.817	7.439	7.311	-0.68
EFHA1	Hs.412103	1313q12.11	9.822	9.454	8.855	-0.67
RTN4	Hs.429581	22p16.3	11.121	11.028	10.638	-0.67
NA	NA	NA	5.674	5.321	5.118	-0.66
MRPL16	Hs.530734	11NA	8.497	7.98	7.701	-0.66
ZNF552	Hs.560727	1919q13.43	5.723	5.182	4.977	-0.66
CRYL1	Hs.370703	1313q12.11	9.604	8.867	7.625	-0.67
RAB15	Hs.512492	1414q23.3	6.031	5.847	5.511	-0.66
ACACB	Hs.234898	1212q24.11	6.689	5.722	5.65	-0.66
FASLG	Hs.2007	11q23	4.023	4.206	4.316	0.66
PEX5	Hs.567327	1212p13.3	7.218	7.122	6.476	-0.66
SEPHS2	Hs.118725	1616p11.2	9.867	9.762	8.475	-0.67
ACAA2	Hs.200136	1818q21.1	10.553	10.312	9.009	-0.67
IDH3A	Hs.591110	1515q25.1-q25.2	7.639	7.283	6.792	-0.65
LPIN2	Hs.132342	1818p11.31	8.014	7.524	7.435	-0.65
UNC13B	Hs.493791	99p12-p11	7.677	7.249	6.832	-0.67
LPL	Hs.180878	88p22	6.772	5.474	5.493	-0.67

MVK	Hs.130607	12 12q24	6.641	6.422	6.205	-0.64
PEX11A	Hs.31034	15 15q26.1	6.389	6.087	5.682	-0.66
SULT1C1	Hs.436123	22q11.1-q11.2	9.073	8.911	6.705	-0.67
HSD17B1	Hs.50727	17 17q11-q21	4.183	4.114	3.916	-0.67
ATP5I	Hs.85539	4 4p16.3	9.691	8.781	8.746	-0.68
MCCC2	Hs.167531	5 5q12-q13	8.91	8.336	7.44	-0.67
EIF3S12	Hs.314359	19 19q13.2	10.708	9.896	10.163	-0.69
ZHX3	Hs.380133	20 20q12	6.13	5.712	5.244	-0.65
RPL10	Hs.534404 X	Xq28	11.72	11.829	12.079	0.66
YWHAH	Hs.226755	22 22q12.3	6.808	7.527	7.801	0.67
GNAI2	Hs.77269	3 3p21	6.595	7.126	7.604	0.66
F13A1	Hs.335513	6 6p25.3-p24.3	8.428	10.435	9.964	0.67
TNFRSF9	Hs.193418	1 1p36	4.571	5.104	5.283	0.66
PRKD2	Hs.466987	19 19q13.3	5.44	5.537	5.779	0.66
MGAT2	Hs.93338	14 14q21	6.781	7.237	7.536	0.66
CDV3	Hs.642726	3 3q22.1	9.669	9.936	10.258	0.67
NA	NA NA	NA	4.98	4.98	5.916	0.67
MICAL2	Hs.501928	11 11p15.3	5.253	5.693	5.878	0.67
ZNF266	Hs.465838	19 19p13.2	6.527	6.697	7.27	0.65
NA	NA NA	NA	5.82	6.148	6.329	0.66
IGLC2	NA	22 22q11.2	5.664	5.465	8.266	0.7
RGS1	Hs.75256	1 1q31	5.853	6.593	9.117	0.68
TNRC5	Hs.414099	6 6pter-p12.1	6.866	7.032	7.55	0.65
ADPGK	Hs.513013	15 15q24.1	7.463	7.785	8.172	0.66
MOSPD2	Hs.190043 X	Xp22.2	6.417	6.994	7.006	0.68
RALGDS	Hs.106185	9 9q34.3	5.569	5.832	6.156	0.65
GRN	Hs.514220	17 17q21.32	8.652	9.473	9.621	0.66
TLR2	Hs.519033	4 4q32	6.346	7.585	8.019	0.69
CRIP1	Hs.70327	14 14q32.33	6.557	6.746	7.839	0.65
SIT1	Hs.88012	9 9p13-p12	5.152	5.351	6.172	0.66
TPSAB1	Hs.405479	16 16p13.3	5.124	4.837	8.87	0.69
CPVL	Hs.233389					
	Hs.449281					
	Hs.449585					
	Hs.539824	7 7p15-p14	8.335	8.594	9.253	0.66
SYT11	Hs.32984	1 1q21.2	4.305	4.52	4.679	0.67
AKAP13	Hs.459211	15 15q24-q25	6.368	6.676	7.191	0.65
ATM	Hs.435561	11 11q22-q23	6.692	8.339	8.221	0.67
KIAA0746	Hs.479384	4 4p15.2	8.188	7.899	9.295	0.68
KIAA0674	Hs.522351	9 9q32	7.694	8.102	8.085	0.67
FAM105A	Hs.591751	5 5p15.2	5.226	5.615	5.985	0.66
IL24	Hs.58831					
	Hs.642714	1 1q32	5.544	5.623	6.535	0.67
PDE4B	Hs.198072	1 1p31	3.867	4.14	4.304	0.66
CCRK	Hs.522274	9 9q22.1	6	5.662	5.681	-0.69
ATP5S	Hs.438489	14 14q22.1	5.021	4.723	4.495	-0.65
KIAA0664	Hs.22616	17 17p13.3	8.338	7.983	7.601	-0.65
ANKRD15	Hs.306764	9 9p24.3	8.411	8.227	7.195	-0.66

DCXR	Hs.9857	17 17q25.3	9.277	8.186	7.553	-0.67
PLEKHJ1	Hs.501353	19 19p13.3	7.068	6.941	6.624	-0.66
MRPL22	Hs.483924	5 5q33.1-q33.3	8.018	7.81	7.271	-0.65
OSBPL10	Hs.150122	3 3p22.3	8.206	8.017	7.022	-0.65
ALDH8A1	Hs.486520	6 6q23.2	10.089	9.349	6.387	-0.67
OR2A20P	Hs.591830	7 7q35	4.738	4.641	4.34	-0.65
NA	NA	NA	5.412	4.965	4.963	-0.71
ARIH1	Hs.268787	15 15q24	6.888	7.145	7.434	0.66
CTDSPL	Hs.475963	3 3p21.3	7.609	7.35	6.763	-0.65
BCAT2	Hs.512670	19 19q13	7.719	7.544	6.847	-0.65
SERPINA6	Hs.532635	14 14q32.1	6.641	5.94	5.203	-0.67
FLOT1	Hs.179986	6 6p21.3	9.112	8.92	8.646	-0.67
ATP5I	Hs.85539	4 4p16.3	10.849	10.153	10.04	-0.66
FLRT1	Hs.584876	11 11q12-q13	4.722	4.652	4.446	-0.65
FGFR2	Hs.533683	10 10q26	5.427	5.442	4.675	-0.7
LOC645745	Hs.632513	1 1q43	11.516	11.367	10.629	-0.65
GNG12	Hs.431101	1 1p31.3	9.298	9.182	8.778	-0.65
SLC35D2	Hs.494556					
	Hs.593332	9 9q22.32	6.709	6.553	6.214	-0.65
EXOSC7	Hs.115792	3 3p21.31	6.229	6.063	5.83	-0.66
EBP	Hs.632801 X	Xp11.23-p11.22	7.488	7.113	6.6	-0.66
NA	NA	NA	5.766	5.313	4.715	-0.65
LOC646278	Hs.597835	15 15q13.1	4.788	4.537	4.42	-0.65
TMEM53	Hs.22157	1 1p34.1	6.195	6.086	5.664	-0.65
HBLD2	Hs.449291	9 9q21.33	7.171	7.212	6.571	-0.67
ATP6V1H	Hs.491737	8 8p22-q22.3	8.357	8.358	7.398	-0.68
RPH3AL	Hs.461807	17 17p13.3	6.332	5.931	5.791	-0.66
ITGB4BP	Hs.632277	20 20q12	7.047	6.66	6.296	-0.68
FLJ10241	Hs.351099	19 19q13.2	8.329	8.198	7.557	-0.66
ANP32B	Hs.494604	9 9q22.32	8.32	8.692	8.963	0.66
FXR1	Hs.478407	3 3q28	8.088	8.504	8.677	0.66
COL1A1	Hs.172928	17 17q21.33	6.081	8.897	7.827	0.67
PSMB10	Hs.9661	16 16q22.1	6.905	8.163	8.14	0.68
PIM2	Hs.496096 X	Xp11.23	5.99	5.825	7.127	0.69
SPOP	Hs.463382	17 17q21.33	6.979	7.263	7.471	0.65
RGS13	Hs.497220	1 1q31.2	3.638	3.607	4.23	0.69
UBR2	Hs.529925	6 6p21.1	6.53	6.912	7.169	0.66
CCL8	Hs.271387	17 17q11.2	5.073	9.087	8.962	0.68
RPS9	Hs.467284					
	Hs.546288	19 19q13.4	10.621	10.85	11.296	0.65
GLT25D1	Hs.418795	19 19p13.11	6.204	6.651	6.89	0.66
WDR70	Hs.213690	5 5p13.2	6.06	6.604	6.628	0.67
KARS	Hs.3100	16 16q23-q24	9.09	9.509	9.744	0.66
WARS	Hs.497599	14 14q32.31	8.209	10.255	9.815	0.67
IFIT3	Hs.47338	10 10q24	6.828	8.648	7.599	0.69
CENTB1	Hs.337242	17 17p13.1	5.288	5.115	6.288	0.68
PIK3CG	Hs.32942	7 7q22.3	3.84	3.829	4.199	0.66
NA	NA	NA	4.369	4.428	6.118	0.67

MICAL1	Hs.33476	66q21	5.793	5.949	6.476	0.67
NA	NA NA	NA	5.774	5.895	6.175	0.65
FAM125B	Hs.162659	99q33.3	5.687	5.841	5.939	0.64
PRDX6	Hs.573688	11q25.1	10.047	9.782	9.568	-0.64
SYPL1	Hs.80919	77q22.2	8.865	8.574	8.321	-0.65
SDC1	Hs.224607	22p24.1	8.637	7.893	7.305	-0.64
AKAP1	Hs.463506	1717q21-q23	8.074	7.823	7.186	-0.65
SLC13A3	Hs.250281	2020q12-q13.1	10.026	8.731	6.43	-0.67
LIFR	Hs.133421	55p13-p12	4.807	4.572	4.37	-0.66
FAM107A	Hs.506357	33p21.1	6.551	6.39	5.831	-0.64
CALCR	Hs.489127	77q21.3	4.377	4.263	4.172	-0.65
PDE8A	Hs.9333	1515q25.3	7.557	7.414	6.833	-0.66
LOC390940	Hs.22049	1919q13.31	5.515	5.382	5.135	-0.64
MT1M	Hs.643532	1616q13	6.976	5.568	5.273	-0.65
BCCIP	Hs.370292	1010q26.1	6.509	5.817	5.692	-0.66
MRPL39	Hs.420696	2121q21.3	8.258	7.893	7.457	-0.65
APIP	Hs.447794	1111p13	7.66	7.389	7.092	-0.66
LAMC3	Hs.201805	99q31-q34	5.679	5.25	5.263	-0.67
MIPEP	Hs.507498	1313q12	6.549	6.165	5.14	-0.66
CCDC40	Hs.202542	1717q25.3	4.418	4.363	4.286	-0.67
FABP5	Hs.408061	88q21.13	5.619	7.073	7.934	0.66
MTF2	Hs.591449	11p22.1	5.494	6.639	6.364	0.68
PBX3	Hs.428027	99q33-q34	6.066	6.52	6.66	0.66
IRF7	Hs.166120	1111p15.5	6.084	6.193	7.003	0.66
IQGAP1	Hs.430551	1515q26.1	7.367	8.56	8.709	0.66
ANKRD12	Hs.464585	1818p11.22	6.194	6.612	6.819	0.65
MCM5	Hs.517582	2222q13.1	5.024	5.843	5.815	0.68
ARHGAP17	Hs.373793	1616p12.1	6.949	7.234	7.587	0.65
KIAA1212	Hs.292925	22p16.1	4.615	5.127	5.345	0.67
PACAP	Hs.409563	55q23-5q31	5.934	5.4	8.308	0.69
PAPD4	Hs.418198	55q14.1	5.557	6.358	6.788	0.65
NARS	Hs.465224	1818q21.2-q21.3	11.011	10.665	10.303	-0.65
CLCN6	Hs.193043	11p36	5.566	5.439	5.309	-0.65
RAB40B	Hs.484068	1717q25.3	7.36	6.878	5.989	-0.65
DUS4L	Hs.97627	77q22-q31	4.253	4.118	3.993	-0.65
CLCN5	Hs.49114 X	Xp11.23-p11.22	6.331	6.319	4.9	-0.67
ATP6V1D	Hs.272630	1414q23-q24.2	9.731	9.39	8.991	-0.65
UQCRB	Hs.131255	88q22	8.241	7.684	6.712	-0.65
EFHD1	Hs.516769					
	Hs.642960	22q37.1	9.713	9.078	8.017	-0.66
FLOT1	Hs.179986	66p21.3	9.224	8.969	8.707	-0.65
BRE	Hs.11916					
	Hs.258314	22p23.2	7.759	7.589	7.401	-0.65
KIAA0090	Hs.439200	11p36.13	5.586	5.598	5.117	-0.66
SETD3	Hs.510407	1414q32.2	8.964	8.432	8.288	-0.67
WWC1	Hs.484047	55q35.1	8.045	7.867	7.151	-0.64
KIAA0895	Hs.6224	77p14.2	5.566	4.898	4.224	-0.65
SSTR2	Hs.514451	1717q24	4.785	4.184	4.244	-0.68

ACN9	Hs.592269	77q21.3	7.152	6.46	5.703	-0.66
WDR60	Hs.389945	77q36.3	6.559	6.214	5.892	-0.64
FLJ10986	Hs.444301	11p32.1	6.844	6.466	6.2	-0.67
C21orf55	Hs.458308	2121q22.11	4.556	4.46	4.262	-0.66
SPFH2	Hs.125849	88p11.2	6.28	6.223	5.643	-0.65
PPP2R5C	Hs.368264	1414q32	7.524	7.709	8.194	0.65
IFI27	Hs.532634	1414q32	7.56	8.884	8.952	0.66
CEP57	Hs.101014	1111q21	5.747	6.431	6.133	0.68
BACH1	Hs.154276	2121q22.11	6.551	7.554	7.904	0.66
STAG2	Hs.496710					
	Hs.624663 X	Xq25	6.424	7.306	7.535	0.66
TCF3	Hs.371282	1919p13.3	6.427	6.504	7.035	0.66
NUP210	Hs.475525	33p25.1	5.158	5.32	5.684	0.65
DMXL2	Hs.511386	1515q21.2	6.772	7.572	8.033	0.65
CCDC69	Hs.132994	55q33.1	5.577	5.478	6.366	0.68
HHEX	Hs.118651	1010q23.33	4.289	4.683	5.452	0.65
NINJ2	Hs.504422	1212p13	4.776	4.976	5.219	0.66
ARNTL2	Hs.434269	1212p12.2-p11.2	4.129	4.322	4.758	0.66
C9orf91	Hs.522357	99q32	4.508	4.646	4.869	0.64
FECH	Hs.465221	1818q21.3	7.396	6.994	6.637	-0.65
SLC25A13	Hs.489190	77q21.3	7.229	6.601	5.91	-0.66
SERPINF2	Hs.159509	1717p13	7.577	6.501	6.332	-0.65
SGCB	Hs.438953	44q12	8.067	7.924	7.146	-0.65
REPS2	Hs.186810 X	Xp22.2	6.165	5.388	5.332	-0.66
CLCNKB	Hs.352243	11p36	7.87	7.824	6.056	-0.66
ANK3	Hs.499725	1010q21	9.763	9.665	7.438	-0.65
CCT6B	Hs.73072	1717q12	4.883	4.727	4.591	-0.65
SLC17A2	Hs.591802	66p21.3	4.346	4.199	4.133	-0.65
RAB1A	Hs.310645	22p14	11.164	11.036	10.718	-0.65
UQCRB	Hs.131255	88q22	11.288	10.919	10.658	-0.64
SLC25A17	Hs.474938	2222q13.2	6.974	6.619	6.458	-0.66
SLC5A3	Hs.302742	2121q22.12	9.263	8.494	8.227	-0.63
NPAS2	Hs.156832					
	Hs.638925	22q11.2	6.82	6.331	5.999	-0.65
BCL2L13	Hs.631672	2222q11	7.612	7.629	6.817	-0.66
MRPL13	Hs.333823	88q22.1-q22.3	8.533	8.434	7.707	-0.65
NDUFA3	Hs.198269	1919q13.42	9.859	9.583	9.32	-0.66
VAV3	Hs.267659	11p13.3	9.384	8.894	8.239	-0.65
STK32B	Hs.133062	44p16.2-p16.1	6.482	6.285	5.734	-0.65
BTBD7	Hs.525549	1414q32.12-q32.13	5.165	4.947	4.736	-0.64
CD24	Hs.375108	66q21	11.166	11.017	10.437	-0.66
BNIP1	Hs.145726	55q33-q34	5.21	5.155	5.068	-0.65
LAPTM4A	Hs.467807	22p24.1	11.373	11.277	10.958	-0.65