

**Supplementary Table 3b.** Complete list of lymphocytic-associated genes for the HER2+I subtype based on the SNR score (p-val <= 0.005 and FDR<=0.05). A positive score represents genes up-regulated in HER2+ and a negative score represents genes up-regulated in HER2+NI. The first 9 genes, marked with \*, are chemokines near the HER2+ amplicon at chr17q12. The remaining are sorted based by chromosomal location (from chr 1 to chr X) and signal-to-noise ratio (SNR).

Gene Name	Description	SNR Score	feature P valu	FDR(BH)	Q Value
* CCL5	chemokine (C-C motif) ligand 5	1.395	0.002	0.036	0.025
* CCR7	chemokine (C-C motif) receptor 7	1.362	0.002	0.036	0.025
* CD79B	CD79B antigen (immunoglobulin-associated beta)	1.248	0.002	0.036	0.025
* CCL13	chemokine (C-C motif) ligand 13	1.003	0.002	0.036	0.025
* CCL2	chemokine (C-C motif) ligand 2	0.737	0.004	0.056	0.037
* CCL8	chemokine (C-C motif) ligand 8	0.724	0.002	0.036	0.025
* CCL18	chemokine (C-C motif) ligand 18 (pulmonary and activ	0.703	0.002	0.036	0.025
* CCL23	chemokine (C-C motif) ligand 23	0.701	0.002	0.036	0.025
* CCR6	chemokine (C-C motif) receptor 6	0.715	0.002	0.036	0.025
PTPN7	protein tyrosine phosphatase, non-receptor type 7	1.861	0.002	0.036	0.025
CD3Z	CD3Z antigen, zeta polypeptide (TiT3 complex)	1.811	0.002	0.036	0.025
CD48	CD48 antigen (B-cell membrane protein)	1.809	0.002	0.036	0.025
IL10RA	interleukin 10 receptor, alpha	1.806	0.002	0.036	0.025
SELL	selectin L (lymphocyte adhesion molecule 1)	1.773	0.002	0.036	0.025
LCK	lymphocyte-specific protein tyrosine kinase	1.745	0.002	0.036	0.025
TRAF3IP3	TRAF3 interacting protein 3	1.622	0.002	0.036	0.025
CCR2	chemokine (C-C motif) receptor 2	1.612	0.002	0.036	0.025
IL16	interleukin 16 (lymphocyte chemoattractant factor)	1.551	0.002	0.036	0.025
LTB	lymphotoxin beta (TNF superfamily, member 3)	1.547	0.002	0.036	0.025
CD53	CD53 antigen	1.514	0.002	0.036	0.025
IL15RA	interleukin 15 receptor, alpha	1.509	0.002	0.036	0.025
PIK3CD	phosphoinositide-3-kinase, catalytic, delta polypeptide	1.495	0.002	0.036	0.025
SLAMF1	signaling lymphocytic activation molecule family mem	1.486	0.002	0.036	0.025
RUNX3	runt-related transcription factor 3	1.462	0.002	0.036	0.025
CSF2RB	colony stimulating factor 2 receptor, beta, low-affinity	1.418	0.002	0.036	0.025
XCL1	chemokine (C motif) ligand 1	1.414	0.002	0.036	0.025
IL18RAP	interleukin 18 receptor accessory protein	1.410	0.002	0.036	0.025
CD52	CD52 antigen (CAMPATH-1 antigen)	1.402	0.002	0.036	0.025
LAX1	lymphocyte transmembrane adaptor 1	1.390	0.002	0.036	0.025
CD2	CD2 antigen (p50), sheep red blood cell receptor	1.389	0.002	0.036	0.025
C1ORF38	chromosome 1 open reading frame 38	1.380	0.002	0.036	0.025
PTPRC	protein tyrosine phosphatase, receptor type, C	1.374	0.002	0.036	0.025
AIM2	absent in melanoma 2	1.238	0.002	0.036	0.025
PTPN22	protein tyrosine phosphatase, non-receptor type 22 (ly	1.194	0.002	0.036	0.025
FAIM3	Fas apoptotic inhibitory molecule 3 /// Fas apoptotic in	1.121	0.002	0.036	0.025
CD84	CD84 antigen (leukocyte antigen)	1.097	0.002	0.036	0.025
CTSS	cathepsin S	1.056	0.002	0.036	0.025
SLAMF8	SLAM family member 8	1.026	0.002	0.036	0.025
GBP1	guanylate binding protein 1, interferon-inducible, 67kD	1.019	0.002	0.036	0.025
MNDA	myeloid cell nuclear differentiation antigen	0.989	0.002	0.036	0.025
LAPTM5	Lysosomal-associated multispinning membrane prote	0.962	0.002	0.036	0.025
RFX5	regulatory factor X, 5 (influences HLA class II express	0.958	0.002	0.036	0.025
MED28	mediator of RNA polymerase II transcription, subunit 2	0.942	0.002	0.036	0.025
CD160	CD160 antigen	0.935	0.002	0.036	0.025
TNFRSF14	tumor necrosis factor receptor superfamily, member 1	0.904	0.002	0.036	0.025
C1QB	complement component 1, q subcomponent, beta pol	0.883	0.002	0.036	0.025
KIF21B	kinesin family member 21B	0.878	0.002	0.036	0.025
FGR	Gardner-Rasheed feline sarcoma viral (v-fgr) oncog	0.859	0.002	0.036	0.025
CKIP-1	CK2 interacting protein 1; HQ0024c protein	0.858	0.002	0.036	0.025
FCRL2	Fc receptor-like 2	0.851	0.004	0.056	0.037
SH2D2A	SH2 domain protein 2A	0.848	0.002	0.036	0.025
IFI16	interferon, gamma-inducible protein 16	0.837	0.002	0.036	0.025
ZDHHC18	zinc finger, DHHC domain containing 18	0.832	0.002	0.036	0.025
KCNAB2	potassium voltage-gated channel, shaker-related sub	0.828	0.002	0.036	0.025
TNFRSF25	tumor necrosis factor receptor superfamily, member 2	0.811	0.002	0.036	0.025
SYT11	synaptotagmin XI	0.809	0.004	0.056	0.037
CD244	CD244 natural killer cell receptor 2B4	0.789	0.002	0.036	0.025
C1QA	complement component 1, q subcomponent, alpha po	0.736	0.002	0.036	0.025
GFI1	growth factor independent 1	0.736	0.002	0.036	0.025
TXNIP	thioredoxin interacting protein	0.717	0.002	0.036	0.025
ADAM30	a disintegrin and metalloproteinase domain 30	0.717	0.002	0.036	0.025
CFHL2	complement factor H-related 2	0.709	0.002	0.036	0.025
SLAMF7	SLAM family member 7	0.695	0.004	0.056	0.037
IKBKE	inhibitor of kappa light polypeptide gene enhancer in	0.695	0.002	0.036	0.025
SCNM1	sodium channel modifier 1	0.693	0.002	0.036	0.025
SPRR1A	small proline-rich protein 1A	0.686	0.002	0.036	0.025
EFHD2	EF-hand domain family, member D2	0.682	0.004	0.056	0.037
CHIT1	chitinase 1 (chitotriosidase)	0.674	0.002	0.036	0.025
VCAM1	vascular cell adhesion molecule 1	0.673	0.004	0.056	0.037
FCER1G	Fc fragment of IgE, high affinity I, receptor for; gamma	0.663	0.002	0.036	0.025
NECAP2	adaptin-ear-binding coat-associated protein 2	0.654	0.004	0.056	0.037
CD1E	CD1E antigen, e polypeptide	0.651	0.004	0.056	0.037
POU2F1	POU domain, class 2, transcription factor 1	0.649	0.002	0.036	0.025
LOC391020	similar to Interferon-induced transmembrane protein 3	0.645	0.002	0.036	0.025
CD1D	CD1D antigen, d polypeptide	0.642	0.002	0.036	0.025
GBP2	guanylate binding protein 2, interferon-inducible	0.633	0.002	0.036	0.025
RNU17D	RNA U17D small nucleolar	0.631	0.002	0.036	0.025

RGS13	regulator of G-protein signalling 13	0.631	0.002	0.036	0.025
AMPD1	adenosine monophosphate deaminase 1 (isoform M)	0.626	0.002	0.036	0.025
IFI44L	interferon-induced protein 44-like	0.622	0.004	0.056	0.037
PGLYRP4	peptidoglycan recognition protein 4	0.620	0.002	0.036	0.025
FCGR2C	Fc fragment of IgG, low affinity IIc, receptor for (CD32)	0.614	0.004	0.056	0.037
ELA2A	elastase 2A	0.613	0.002	0.036	0.025
NTNG1	Netrin G1	0.604	0.004	0.056	0.037
IGSF4B	immunoglobulin superfamily, member 4B	0.597	0.002	0.036	0.025
NPL	N-acetylneuraminic acid pyruvate lyase (dihydrodipicolinate)	0.594	0.002	0.036	0.025
HSD11B1	hydroxysteroid (11-beta) dehydrogenase 1	0.594	0.004	0.056	0.037
F13B	coagulation factor XIII, B polypeptide	0.592	0.004	0.056	0.037
SELP	Selectin P (granule membrane protein 140kDa, antigen)	0.582	0.004	0.056	0.037
FUCA1	fucosidase, alpha-L-1, tissue	0.577	0.004	0.056	0.037
DISC1	disrupted in schizophrenia 1	0.576	0.004	0.056	0.037
TNN	tenascin N	0.574	0.004	0.056	0.037
EPHB2	EphB2	0.559	0.002	0.036	0.025
TOE1	target of EGR1, member 1 (nuclear)	0.543	0.004	0.056	0.037
RGL1	Ral guanine nucleotide dissociation stimulator-like 1	0.543	0.004	0.056	0.037
STAT4	signal transducer and activator of transcription 4	1.876	0.002	0.036	0.025
ARHGAP25	Rho GTPase activating protein 25	1.786	0.002	0.036	0.025
ZAP70	zeta-chain (TCR) associated protein kinase 70kDa	1.734	0.002	0.036	0.025
INPP5D	inositol polyphosphate-5-phosphatase, 145kDa	1.523	0.002	0.036	0.025
TNFRSF1B	tumor necrosis factor receptor superfamily, member 1B	1.398	0.002	0.036	0.025
CD8B1	CD8 antigen, beta polypeptide 1 (p37)	1.389	0.002	0.036	0.025
PAX5	paired box gene 5 (B-cell lineage specific activator protein)	1.343	0.002	0.036	0.025
IL2RG	interleukin 2 receptor, gamma (severe combined immunodeficiency)	1.326	0.002	0.036	0.025
PSDCBP	pleckstrin homology, Sec7 and coiled-coil domains, beta	1.300	0.002	0.036	0.025
CXCL9	chemokine (C-X-C motif) ligand 9	1.271	0.002	0.036	0.025
SP140	SP140 nuclear body protein	1.269	0.002	0.036	0.025
CD97	CD97 antigen	1.225	0.002	0.036	0.025
ARHGAP15	Rho GTPase activating protein 15	1.210	0.002	0.036	0.025
CCR5	chemokine (C-C motif) receptor 5	1.207	0.002	0.036	0.025
LY9	lymphocyte antigen 9	1.201	0.002	0.036	0.025
GNLY	granulysin	1.161	0.002	0.036	0.025
ICOS	inducible T-cell co-stimulator	1.149	0.002	0.036	0.025
PLEK	pleckstrin	1.116	0.002	0.036	0.025
DOCK10	dedicator of cytokinesis 10	1.010	0.002	0.036	0.025
ITGA4	integrin, alpha 4 (antigen CD49D, alpha 4 subunit of VLA-4)	1.001	0.002	0.036	0.025
IGKV1D-13	immunoglobulin kappa variable 1D-13	0.922	0.002	0.036	0.025
CD8A	CD8 antigen, alpha polypeptide (p32)	0.889	0.002	0.036	0.025
BIN1	bridging integrator 1	0.855	0.002	0.036	0.025
WASPIP	Wiskott-Aldrich syndrome protein interacting protein	0.851	0.002	0.036	0.025
IGKV1-5	immunoglobulin kappa variable 1-5	0.832	0.002	0.036	0.025
CTLA4	cytotoxic T-lymphocyte-associated protein 4	0.818	0.002	0.036	0.025
MAL	mal, T-cell differentiation protein	0.783	0.004	0.056	0.037
STAT1	signal transducer and activator of transcription 1, 91kDa	0.778	0.002	0.036	0.025
NMUR1	neuromedin U receptor 1	0.772	0.002	0.036	0.025
VAMP5	vesicle-associated membrane protein 5 (myobrevin)	0.767	0.002	0.036	0.025
LOC93349	hypothetical protein BC004921	0.748	0.002	0.036	0.025
ITM2C	integral membrane protein 2C	0.747	0.002	0.036	0.025
FAM49A	family with sequence similarity 49, member A	0.723	0.002	0.036	0.025
PASK	PAS domain containing serine/threonine kinase	0.718	0.004	0.056	0.037
GYPC	glycophorin C (Gerbich blood group)	0.711	0.002	0.036	0.025
ABCB11	ATP-binding cassette, sub-family B (MDR/TAP), member 11	0.699	0.002	0.036	0.025
GPR35	G protein-coupled receptor 35	0.675	0.002	0.036	0.025
ARID5A	AT rich interactive domain 5A (MRF1-like)	0.671	0.002	0.036	0.025
LOC391427	similar to Ig kappa chain precursor V region (orphan)	0.645	0.004	0.056	0.037
COL4A3	collagen, type IV, alpha 3 (Goodpasture antigen)	0.642	0.004	0.056	0.037
SP110	SP110 nuclear body protein	0.637	0.004	0.056	0.037
DOK1	docking protein 1, 62kDa (downstream of tyrosine kinase)	0.621	0.002	0.036	0.025
MTERFD2	MTERF domain containing 2	0.573	0.004	0.056	0.037
DTNB	dystrobrevin, beta	0.565	0.002	0.036	0.025
ARL7	ADP-ribosylation factor-like 7	0.537	0.004	0.056	0.037
TRAT1	T cell receptor associated transmembrane adaptor 1	1.543	0.002	0.036	0.025
HCLS1	hematopoietic cell-specific Lyn substrate 1	1.514	0.002	0.036	0.025
GPR171	G protein-coupled receptor 171	1.491	0.002	0.036	0.025
P2RY14	purinergic receptor P2Y, G-protein coupled, 14	1.244	0.002	0.036	0.025
PLCL2	phospholipase C-like 2	1.237	0.002	0.036	0.025
FLT3LG	frms-related tyrosine kinase 3 ligand	1.175	0.002	0.036	0.025
LAMP3	lysosomal-associated membrane protein 3	1.170	0.002	0.036	0.025
CD28	CD28 antigen (Tp44)	1.163	0.002	0.036	0.025
POU2AF1	POU domain, class 2, associating factor 1	1.136	0.002	0.036	0.025
CCL19	chemokine (C-C motif) ligand 19	1.132	0.002	0.036	0.025
ITGB2	integrin, beta 2 (antigen CD18 (p95), lymphocyte function-associated antigen 1)	1.131	0.002	0.036	0.025
IRF4	interferon regulatory factor 4	1.125	0.002	0.036	0.025
CD74	CD74 antigen (invariant polypeptide of major histocompatibility complex class II)	1.106	0.002	0.036	0.025
ZBED2	zinc finger, BED domain containing 2	1.076	0.002	0.036	0.025
CD96	CD96 antigen	1.040	0.002	0.036	0.025
RAFTLIN	raft-linking protein	0.979	0.002	0.036	0.025
TREX1	three prime repair exonuclease 1	0.943	0.002	0.036	0.025
WDR48	WD repeat domain 48	0.899	0.002	0.036	0.025
LBA1	lupus brain antigen 1	0.838	0.002	0.036	0.025
IFRG28	28kD interferon responsive protein	0.793	0.002	0.036	0.025
NUP210	nucleoporin 210	0.791	0.002	0.036	0.025
PLSCR1	phospholipid scramblase 1	0.776	0.002	0.036	0.025
UBE1L	ubiquitin-activating enzyme E1-like	0.762	0.002	0.036	0.025
CHST2	carbohydrate (N-acetylglucosamine-6-O) sulfotransferase 2	0.755	0.002	0.036	0.025

DNASE1L3	deoxyribonuclease I-like 3	0.751	0.002	0.036	0.025
PFKFB4	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase	0.750	0.002	0.036	0.025
PLA1A	phospholipase A1 member A	0.731	0.002	0.036	0.025
ZNF589	zinc finger protein 589	0.719	0.002	0.036	0.025
RNF184	ring finger protein 184	0.715	0.002	0.036	0.025
NR2C2	nuclear receptor subfamily 2, group C, member 2	0.707	0.002	0.036	0.025
KIAA0226	KIAA0226 gene product	0.642	0.002	0.036	0.025
CD47	CD47 antigen (Rh-related antigen, integrin-associated	0.625	0.004	0.056	0.037
CAMK1	calcium/calmodulin-dependent protein kinase I	0.624	0.002	0.036	0.025
RASA2	RAS p21 protein activator 2	0.623	0.002	0.036	0.025
GPR15	G protein-coupled receptor 15	0.591	0.004	0.056	0.037
PCAF	p300/CBP-associated factor	0.586	0.004	0.056	0.037
GPR27	G protein-coupled receptor 27	0.574	0.004	0.056	0.037
MDS010	x 010 protein	0.564	0.002	0.036	0.025
CD38	CD38 antigen (p45)	1.794	0.002	0.036	0.025
BIN2	bridging integrator 2	1.388	0.002	0.036	0.025
BRDG1	BCR downstream signaling 1	1.272	0.002	0.036	0.025
PLAC8	placenta-specific 8	1.243	0.002	0.036	0.025
CXCR6	chemokine (C-X-C motif) receptor 6	1.094	0.002	0.036	0.025
CXCR4	chemokine (C-X-C motif) receptor 4	1.014	0.002	0.036	0.025
KIAA0746	KIAA0746 protein	1.001	0.002	0.036	0.025
CXCL10	chemokine (C-X-C motif) ligand 10	0.994	0.002	0.036	0.025
BLR1	Burkitt lymphoma receptor 1, GTP binding protein (ch	0.991	0.002	0.036	0.025
LAP3	Leucine aminopeptidase 3	0.958	0.002	0.036	0.025
TNFSF14	tumor necrosis factor (ligand) superfamily, member 14	0.950	0.002	0.036	0.025
IL21R	interleukin 21 receptor	0.945	0.002	0.036	0.025
NMI	N-myc (and STAT) interactor	0.936	0.002	0.036	0.025
BANK1	B-cell scaffold protein with ankyrin repeats 1	0.902	0.002	0.036	0.025
IGJ	immunoglobulin J polypeptide, linker protein for immu	0.858	0.002	0.036	0.025
SH3TC1	SH3 domain and tetratricopeptide repeats 1	0.765	0.002	0.036	0.025
LEF1	lymphoid enhancer-binding factor 1	0.754	0.002	0.036	0.025
HERC5	hect domain and RLD 5	0.708	0.002	0.036	0.025
SLC2A9	solute carrier family 2 (facilitated glucose transporter)	0.658	0.002	0.036	0.025
FLJ23235	hypothetical protein FLJ23235	0.657	0.002	0.036	0.025
TACC3	transforming, acidic coiled-coil containing protein 3	0.632	0.004	0.056	0.037
ATP8A1	ATPase, aminophospholipid transporter (APLT), Clas	0.609	0.002	0.036	0.025
ITK	IL2-inducible T-cell kinase	1.784	0.002	0.036	0.025
DKFZP434C1	DKFZP434C171 protein	1.445	0.002	0.036	0.025
FYB	FYN binding protein (FYB-120/130)	1.336	0.002	0.036	0.025
GZMK	granzyme K (serine protease, granzyme 3; tryptase II	1.324	0.002	0.036	0.025
LCP2	lymphocyte cytosolic protein 2 (SH2 domain containin	1.179	0.002	0.036	0.025
TCF7	transcription factor 7 (T-cell specific, HMG-box)	1.150	0.002	0.036	0.025
IRF1	interferon regulatory factor 1	1.143	0.002	0.036	0.025
GZMA	granzyme A (granzyme 1, cytotoxic T-lymphocyte-ass	1.005	0.002	0.036	0.025
STK10	serine/threonine kinase 10	0.996	0.002	0.036	0.025
IL18R1	interleukin 18 receptor 1	0.931	0.002	0.036	0.025
FASLG	Fas ligand (TNF superfamily, member 6)	0.927	0.002	0.036	0.025
LY75	lymphocyte antigen 75	0.915	0.002	0.036	0.025
TLR1	toll-like receptor 1	0.903	0.002	0.036	0.025
C3AR1	complement component 3a receptor 1	0.900	0.002	0.036	0.025
CYFIP2	cytoplasmic FMR1 interacting protein 2	0.897	0.002	0.036	0.025
CXCL13	chemokine (C-X-C motif) ligand 13 (B-cell chemoattra	0.889	0.002	0.036	0.025
AIF1	allograft inflammatory factor 1	0.877	0.002	0.036	0.025
TNFAIP8	tumor necrosis factor, alpha-induced protein 8	0.699	0.002	0.036	0.025
PARP8	Poly (ADP-ribose) polymerase family, member 8	0.697	0.002	0.036	0.025
SEPP1	selenoprotein P, plasma, 1	0.694	0.002	0.036	0.025
KIF2	kinesin heavy chain member 2	0.682	0.002	0.036	0.025
MAT2B	methionine adenosyltransferase II, beta	0.681	0.002	0.036	0.025
PTGER4	prostaglandin E receptor 4 (subtype EP4)	0.675	0.002	0.036	0.025
BTNL3	butyrophilin-like 3	0.671	0.002	0.036	0.025
GRK6	G protein-coupled receptor kinase 6	0.661	0.004	0.056	0.037
RAP80	receptor associated protein 80	0.640	0.004	0.056	0.037
PPWD1	peptidylprolyl isomerase domain and WD repeat cont	0.631	0.004	0.056	0.037
FLJ11127	hypothetical protein FLJ11127	0.628	0.004	0.056	0.037
SNRPC	Small nuclear ribonucleoprotein polypeptide C	0.625	0.002	0.036	0.025
PHF15	PHD finger protein 15	0.606	0.004	0.056	0.037
FLJ11795	hypothetical protein FLJ11795	0.605	0.002	0.036	0.025
MEF2C	MADS box transcription enhancer factor 2, polypeptid	0.600	0.004	0.056	0.037
SLC1A3	solute carrier family 1 (glial high affinity glutamate tra	0.589	0.002	0.036	0.025
GPSM3	G-protein signalling modulator 3 (AGS3-like, C. eleg	1.424	0.002	0.036	0.025
TNFAIP3	tumor necrosis factor, alpha-induced protein 3	1.281	0.002	0.036	0.025
LST1	Leukocyte specific transcript 1	1.265	0.002	0.036	0.025
HLA-DQB1	major histocompatibility complex, class II, DQ beta 1	1.247	0.002	0.036	0.025
UBD	ubiquitin D	1.241	0.002	0.036	0.025
HLA-DOB	major histocompatibility complex, class II, DO beta	1.238	0.002	0.036	0.025
PSMB9	proteasome (prosome, macropain) subunit, beta type	1.232	0.002	0.036	0.025
HLA-DMA	major histocompatibility complex, class II, DM alpha	1.129	0.002	0.036	0.025
HLA-DRB1	major histocompatibility complex, class II, DR beta 1	1.117	0.002	0.036	0.025
SERPINB9	serine (or cysteine) proteinase inhibitor, clade B (oval	1.106	0.002	0.036	0.025
HLA-E	major histocompatibility complex, class I, E	1.087	0.002	0.036	0.025
PIP3-E	phosphoinositide-binding protein PIP3-E	1.058	0.002	0.036	0.025
C6ORF32	chromosome 6 open reading frame 32	1.048	0.002	0.036	0.025
BTN3A2	butyrophilin, subfamily 3, member A2	1.041	0.002	0.036	0.025
TAP1	transporter 1, ATP-binding cassette, sub-family B (MD	1.041	0.002	0.036	0.025
BTN2A2	butyrophilin, subfamily 2, member A2	1.033	0.002	0.036	0.025
HLA-B	major histocompatibility complex, class I, B	1.031	0.002	0.036	0.025
BTN3A1	butyrophilin, subfamily 3, member A1	1.024	0.002	0.036	0.025

BTN2A1	butyrophilin, subfamily 2, member A1	1.023	0.002	0.036	0.025
NFKBIE	nuclear factor of kappa light polypeptide gene enhanc	1.022	0.002	0.036	0.025
FYN	FYN oncogene related to SRC, FGR, YES	1.005	0.002	0.036	0.025
TAP2	transporter 2, ATP-binding cassette, sub-family B (MC	0.998	0.004	0.056	0.037
HLA-DRA	major histocompatibility complex, class II, DR alpha	0.987	0.002	0.036	0.025
HLA-A	major histocompatibility complex, class I, A	0.961	0.002	0.036	0.025
SYNE1	spectrin repeat containing, nuclear envelope 1	0.912	0.002	0.036	0.025
PIM1	pim-1 oncogene	0.891	0.002	0.036	0.025
PSMB8	proteasome (prosome, macropain) subunit, beta type	0.887	0.002	0.036	0.025
MYD88	myeloid differentiation primary response gene (88)	0.874	0.002	0.036	0.025
HLA-DMB	major histocompatibility complex, class II, DM beta	0.870	0.002	0.036	0.025
APOL3	apolipoprotein L, 3	0.865	0.002	0.036	0.025
HLA-DQA1	major histocompatibility complex, class II, DQ alpha 1	0.864	0.002	0.036	0.025
CSF1R	colony stimulating factor 1 receptor, formerly McDono	0.861	0.002	0.036	0.025
CXCR3	chemokine (C-X-C motif) receptor 3	0.857	0.002	0.036	0.025
HLA-DPB1	major histocompatibility complex, class II, DP beta 1	0.851	0.002	0.036	0.025
BTN1A1	butyrophilin, subfamily 1, member A1	0.847	0.002	0.036	0.025
BTN3A3	butyrophilin, subfamily 3, member A3	0.846	0.002	0.036	0.025
DOCK2	dedicator of cytokinesis 2	0.843	0.002	0.036	0.025
CCND3	cyclin D3	0.836	0.002	0.036	0.025
HLA-G	HLA-G histocompatibility antigen, class I, G	0.834	0.002	0.036	0.025
APOL2	apolipoprotein L, 2	0.830	0.002	0.036	0.025
IL2RB	interleukin 2 receptor, beta	0.818	0.002	0.036	0.025
AGER	advanced glycosylation end product-specific receptor	0.808	0.002	0.036	0.025
SOD2	superoxide dismutase 2, mitochondrial	0.796	0.002	0.036	0.025
RPL27A	ribosomal protein L27a	0.782	0.002	0.036	0.025
3.8-1	MHC class I mRNA fragment 3.8-1	0.755	0.002	0.036	0.025
HLA-DPA1	major histocompatibility complex, class II, DP alpha 1	0.747	0.002	0.036	0.025
NOL7	nucleolar protein 7, 27kDa	0.733	0.002	0.036	0.025
LOC442203	similar to MHC HLA-SX-alpha	0.725	0.002	0.036	0.025
C6ORF48	chromosome 6 open reading frame 48	0.717	0.002	0.036	0.025
DEF6	differentially expressed in FDCP 6 homolog (mouse)	0.682	0.004	0.056	0.037
VNN2	vanin 2	0.677	0.002	0.036	0.025
KIAA0082	KIAA0082	0.672	0.002	0.036	0.025
MOXD1	monooxygenase, DBH-like 1	0.656	0.002	0.036	0.025
HIST1H2BO	histone 1, H2bo	0.650	0.002	0.036	0.025
FGD2	FGD1 family, member 2	0.635	0.004	0.056	0.037
HLA-DOA	major histocompatibility complex, class II, DO alpha	0.605	0.004	0.056	0.037
C6ORF47	chromosome 6 open reading frame 47	0.599	0.002	0.036	0.025
TREML2	Triggering receptor expressed on myeloid cells-like 2	0.588	0.002	0.036	0.025
DHX16	DEAH (Asp-Glu-Ala-His) box polypeptide 16	0.567	0.004	0.056	0.037
TPMT	thiopurine S-methyltransferase	0.564	0.004	0.056	0.037
MICB	MHC class I polypeptide-related sequence B	0.559	0.004	0.056	0.037
CD83	CD83 antigen (activated B lymphocytes, immunoglob	0.541	0.004	0.056	0.037
GIMAP5	GTPase, IMAP family member 5	1.469	0.002	0.036	0.025
FGL2	fibrinogen-like 2	1.391	0.002	0.036	0.025
MGC2463	hypothetical protein MGC2463	1.336	0.002	0.036	0.025
ZNFN1A1	zinc finger protein, subfamily 1A, 1 (Ikaros)	1.157	0.002	0.036	0.025
NCF1	neutrophil cytosolic factor 1 (47kDa, chronic granulom	1.142	0.002	0.036	0.025
GIMAP6	GTPase, IMAP family member 6	1.077	0.002	0.036	0.025
TFEC	transcription factor EC	1.055	0.002	0.036	0.025
IRS3L	insulin receptor substrate 3-like	1.048	0.002	0.036	0.025
GIMAP4	GTPase, IMAP family member 4	1.042	0.002	0.036	0.025
AOAH	acyloxyacyl hydrolase (neutrophil)	0.997	0.002	0.036	0.025
FLJ11000	hypothetical protein FLJ11000	0.879	0.002	0.036	0.025
IRF5	interferon regulatory factor 5	0.801	0.004	0.056	0.037
RASA4	RAS p21 protein activator 4 /// hypothetical protein FL	0.744	0.002	0.036	0.025
LRCH4	leucine-rich repeats and calponin homology (CH) dom	0.736	0.002	0.036	0.025
LR8	LR8 protein	0.732	0.002	0.036	0.025
CPVL	carboxypeptidase, vitellogenic-like	0.718	0.004	0.056	0.037
C7ORF23	chromosome 7 open reading frame 23	0.706	0.002	0.036	0.025
FLJ12700	hypothetical protein FLJ12700	0.694	0.002	0.036	0.025
PARP12	poly (ADP-ribose) polymerase family, member 12	0.691	0.002	0.036	0.025
LAT2	linker for activation of T cells family, member 2	0.646	0.002	0.036	0.025
PILRA	paired immunoglobulin-like type 2 receptor alpha	0.641	0.004	0.056	0.037
HTR5A	5-hydroxytryptamine (serotonin) receptor 5A	0.628	0.004	0.056	0.037
SP4	Sp4 transcription factor	0.625	0.002	0.036	0.025
ELMO1	engulfment and cell motility 1 (ced-12 homolog, C. ele	0.623	0.002	0.036	0.025
ABCB1	ATP-binding cassette, sub-family B (MDR/TAP), mem	0.592	0.002	0.036	0.025
ABP1	amiloride binding protein 1 (amine oxidase (copper-co	0.574	0.004	0.056	0.037
STK17A	serine/threonine kinase 17a (apoptosis-inducing)	0.533	0.004	0.056	0.037
HCA112	hepatocellular carcinoma-associated antigen 112	0.524	0.004	0.056	0.037
INDO	indoleamine-pyrrole 2,3 dioxygenase	1.909	0.002	0.036	0.025
SLA	Src-like-adaptor	1.324	0.002	0.036	0.025
ADAMDEC1	ADAM-like, decysin 1	1.229	0.002	0.036	0.025
DOK2	docking protein 2, 56kDa	1.200	0.002	0.036	0.025
PTK2B	PTK2B protein tyrosine kinase 2 beta	0.989	0.002	0.036	0.025
LYN	v-yes-1 Yamaguchi sarcoma viral related oncogene h	0.958	0.002	0.036	0.025
CD180	CD180 antigen	0.818	0.002	0.036	0.025
PPP3CC	protein phosphatase 3 (formerly 2B), catalytic subunit	0.780	0.002	0.036	0.025
ANK1	ankyrin 1, erythrocytic	0.681	0.002	0.036	0.025
BIN3	bridging integrator 3	0.662	0.004	0.056	0.037
PNOC	prepronociceptin	0.627	0.004	0.056	0.037
ADAM28	a disintegrin and metalloproteinase domain 28	0.577	0.004	0.056	0.037
SEMA4D	sema domain, immunoglobulin domain (Ig), transmem	1.300	0.002	0.036	0.025
FCN1	ficolin (collagen/fibrinogen domain containing) 1	1.192	0.002	0.036	0.025
PTGDS	prostaglandin D2 synthase 21kDa (brain)	1.165	0.002	0.036	0.025

CD72	CD72 antigen	1.111	0.002	0.036	0.025
TRAF1	TNF receptor-associated factor 1	1.093	0.002	0.036	0.025
SIT1	signaling threshold regulating transmembrane adaptor	1.011	0.002	0.036	0.025
ALDOB	aldolase B, fructose-bisphosphate	0.828	0.002	0.036	0.025
FNBP1	formin binding protein 1	0.820	0.002	0.036	0.025
CD86	CD86 antigen (CD28 antigen ligand 2, B7-2 antigen)	0.814	0.002	0.036	0.025
PLA2G2D	phospholipase A2, group IID	0.798	0.004	0.056	0.037
CD22	CD22 antigen /// myelin associated glycoprotein	0.797	0.002	0.036	0.025
ALS4	amyotrophic lateral sclerosis 4	0.670	0.002	0.036	0.025
RECK	reversion-inducing-cysteine-rich protein with kazal mo	0.666	0.002	0.036	0.025
ALDH1A1	aldehyde dehydrogenase 1 family, member A1	0.620	0.002	0.036	0.025
NUP214	nucleoporin 214kDa	0.601	0.004	0.056	0.037
JAK2	Janus kinase 2 (a protein tyrosine kinase)	0.584	0.002	0.036	0.025
SPOCK2	sparc/osteonectin, cwcv and kazal-like domains prote	2.065	0.002	0.036	0.025
PRKCQ	protein kinase C, theta	1.388	0.002	0.036	0.025
PRF1	perforin 1 (pore forming protein)	1.244	0.002	0.036	0.025
CUGBP2	CUG triplet repeat, RNA binding protein 2	1.080	0.002	0.036	0.025
MRC1	mannose receptor, C type 1 /// mannose receptor, C t	1.038	0.002	0.036	0.025
PRG1	proteoglycan 1, secretory granule	1.012	0.002	0.036	0.025
LOC339562	similar to Ig kappa chain	0.961	0.002	0.036	0.025
PAOX	polyamine oxidase (exo-N4-amino)	0.834	0.002	0.036	0.025
RASSF4	Ras association (RalGDS/AF-6) domain family 4	0.817	0.002	0.036	0.025
HHEX	hematopoietically expressed homeobox	0.804	0.002	0.036	0.025
GRK5	G protein-coupled receptor kinase 5	0.800	0.002	0.036	0.025
CXCL11	chemokine (C-X-C motif) ligand 11	0.797	0.002	0.036	0.025
RGS10	regulator of G-protein signalling 10	0.787	0.002	0.036	0.025
FAM21B	protein	0.777	0.002	0.036	0.025
FAM53B	family with sequence similarity 53, member B	0.775	0.002	0.036	0.025
ENTPD1	ectonucleoside triphosphate diphosphohydrolase 1	0.769	0.002	0.036	0.025
NDST2	N-deacetylase/N-sulfotransferase (heparan glucosam	0.741	0.002	0.036	0.025
PNLIPRP1	pancreatic lipase-related protein 1	0.683	0.002	0.036	0.025
PIP5K2A	phosphatidylinositol-4-phosphate 5-kinase, type II, alp	0.680	0.002	0.036	0.025
CUZD1	CUB and zona pellucida-like domains 1	0.675	0.002	0.036	0.025
ACSL5	acyl-CoA synthetase long-chain family member 5	0.666	0.004	0.056	0.037
PI4KII	phosphatidylinositol 4-kinase type II	0.645	0.004	0.056	0.037
CTNNA3	catenin (cadherin-associated protein), alpha 3	0.642	0.002	0.036	0.025
PDCD11	programmed cell death 11	0.593	0.004	0.056	0.037
ADAM8	a disintegrin and metalloproteinase domain 8	0.590	0.004	0.056	0.037
SLC29A3	solute carrier family 29 (nucleoside transporters), mem	0.583	0.004	0.056	0.037
PSAP	prosaposin (variant Gaucher disease and variant met	0.573	0.004	0.056	0.037
CD3D	CD3D antigen, delta polypeptide (TiT3 complex)	1.715	0.002	0.036	0.025
C11ORF21	chromosome 11 open reading frame 21	1.598	0.002	0.036	0.025
CTSW	cathepsin W (lymphopain)	1.507	0.002	0.036	0.025
RASGRP2	RAS guanyl releasing protein 2 (calcium and DAG-reg	1.460	0.002	0.036	0.025
CD6	CD6 antigen	1.458	0.002	0.036	0.025
BIRC3	baculoviral IAP repeat-containing 3	1.456	0.002	0.036	0.025
CD3G	CD3G antigen, gamma polypeptide (TiT3 complex)	1.332	0.002	0.036	0.025
MS4A1	membrane-spanning 4-domains, subfamily A, membe	1.331	0.002	0.036	0.025
PTPRCAP	protein tyrosine phosphatase, receptor type, C-associ	1.177	0.002	0.036	0.025
CRTAM	class-I MHC-restricted T cell associated molecule	1.177	0.002	0.036	0.025
TRIM22	tripartite motif-containing 22	1.172	0.002	0.036	0.025
CD3E	CD3E antigen, epsilon polypeptide (TiT3 complex)	1.143	0.002	0.036	0.025
CTSC	cathepsin C	1.103	0.002	0.036	0.025
GVIN1	GTPase, very large interferon inducible 1	1.068	0.002	0.036	0.025
FLI1	Friend leukemia virus integration 1	1.018	0.002	0.036	0.025
MS4A6A	membrane-spanning 4-domains, subfamily A, membe	1.000	0.002	0.036	0.025
CASP1	caspase 1, apoptosis-related cysteine protease (inter	0.944	0.002	0.036	0.025
KIAA1201	KIAA1201 protein	0.904	0.002	0.036	0.025
RPLP2	ribosomal protein, large P2	0.895	0.002	0.036	0.025
NR1H3	nuclear receptor subfamily 1, group H, member 3	0.877	0.002	0.036	0.025
FOLR2	folate receptor 2 (fetal)	0.871	0.002	0.036	0.025
AMPD3	adenosine monophosphate deaminase (isoform E)	0.869	0.002	0.036	0.025
MYO7A	myosin VIIA (Usher syndrome 1B (autosomal recessiv	0.865	0.002	0.036	0.025
SLCO2B1	solute carrier organic anion transporter family, membe	0.853	0.002	0.036	0.025
FAU	Finkel-Biskis-Reilly murine sarcoma virus (FBR-MuSV	0.819	0.002	0.036	0.025
TRIM21	tripartite motif-containing 21	0.816	0.002	0.036	0.025
NPAT	nuclear protein, ataxia-telangiectasia locus	0.801	0.002	0.036	0.025
CASP4	caspase 4, apoptosis-related cysteine protease	0.799	0.002	0.036	0.025
CD40	CD40 antigen (TNF receptor superfamily member 5)	0.797	0.002	0.036	0.025
LSP1	lymphocyte-specific protein 1	0.791	0.002	0.036	0.025
EED	embryonic ectoderm development	0.788	0.002	0.036	0.025
IRF7	interferon regulatory factor 7	0.787	0.002	0.036	0.025
SERPING1	serine (or cysteine) proteinase inhibitor, clade G (C1 i	0.784	0.002	0.036	0.025
B2M	beta-2-microglobulin	0.784	0.002	0.036	0.025
RAB3IL1	RAB3A interacting protein (rabin3)-like 1	0.772	0.004	0.056	0.037
IL32	interleukin 32 /// interleukin 32	0.769	0.002	0.036	0.025
IFITM1	interferon induced transmembrane protein 1 (9-27)	0.750	0.002	0.036	0.025
PHEMX	pan-hematopoietic expression	0.744	0.002	0.036	0.025
LMO2	LIM domain only 2 (rhombotin-like 1)	0.722	0.002	0.036	0.025
RARRES3	retinoic acid receptor responder (tazarotene induced)	0.707	0.002	0.036	0.025
MS4A4A	membrane-spanning 4-domains, subfamily A, membe	0.697	0.004	0.056	0.037
RHOG	ras homolog gene family, member G (rho G)	0.685	0.002	0.036	0.025
SPI1	spleen focus forming virus (SFFV) proviral integration	0.668	0.002	0.036	0.025
SNX15	sorting nexin 15	0.652	0.002	0.036	0.025
BRSK2	BR serine/threonine kinase 2	0.648	0.002	0.036	0.025
FLJ12529	pre-mRNA cleavage factor I, 59 kDa subunit	0.640	0.004	0.056	0.037
FUT4	fucosyltransferase 4 (alpha (1.3) fucosyltransferase. r	0.633	0.004	0.056	0.037

ASCL3	achaete-scute complex (Drosophila) homolog-like 3	0.628	0.004	0.056	0.037
LOC51035	ORF	0.607	0.004	0.056	0.037
FLJ20294	hypothetical protein FLJ20294	0.594	0.002	0.036	0.025
CHCHD8	coiled-coil-helix-coiled-coil-helix domain containing 8	0.592	0.002	0.036	0.025
UBE2L6	ubiquitin-conjugating enzyme E2L 6	0.579	0.004	0.056	0.037
SLC22A6	solute carrier family 22 (organic anion transporter), m	0.578	0.004	0.056	0.037
PRCP	prolylcarboxypeptidase (angiotensinase C)	0.567	0.004	0.056	0.037
RPL23A	ribosomal protein L23a	0.564	0.004	0.056	0.037
HBBP1	hemoglobin, beta pseudogene 1	0.563	0.002	0.036	0.025
MUS81	MUS81 endonuclease	0.560	0.004	0.056	0.037
BET1L	blocked early in transport 1 homolog (S. cerevisiae) li	0.535	0.004	0.056	0.037
KRTAP5-9	keratin associated protein 5-9	0.524	0.004	0.056	0.037
TNFRSF7	tumor necrosis factor receptor superfamily, member 7	2.122	0.002	0.036	0.025
LRMP	lymphoid-restricted membrane protein	1.760	0.002	0.036	0.025
KLRK1	killer cell lectin-like receptor subfamily K, member 1	1.371	0.002	0.036	0.025
SELPLG	selectin P ligand	1.267	0.002	0.036	0.025
KLRC3	killer cell lectin-like receptor subfamily C, member 3	1.264	0.002	0.036	0.025
LAG3	lymphocyte-activation gene 3	1.205	0.002	0.036	0.025
RHOF	ras homolog gene family, member F (in filopodia)	1.156	0.002	0.036	0.025
HEM1	hematopoietic protein 1	1.139	0.002	0.036	0.025
KLRB1	killer cell lectin-like receptor subfamily B, member 1	1.137	0.002	0.036	0.025
HOM-TES-10	HOM-TES-103 tumor antigen-like	1.105	0.002	0.036	0.025
PTPN6	protein tyrosine phosphatase, non-receptor type 6	1.093	0.002	0.036	0.025
CLEC4A	C-type lectin domain family 4, member A	1.070	0.002	0.036	0.025
FLJ10652	hypothetical protein FLJ10652	1.055	0.002	0.036	0.025
CLEC2D	C-type lectin superfamily 2, member D	1.013	0.002	0.036	0.025
KLRD1	killer cell lectin-like receptor subfamily D, member 1	0.995	0.002	0.036	0.025
TAPBPL	TAP binding protein-like	0.991	0.002	0.036	0.025
GPR162	G protein-coupled receptor 162	0.939	0.002	0.036	0.025
KLRC1	killer cell lectin-like receptor subfamily C, member 1 //	0.930	0.002	0.036	0.025
ITGB7	integrin, beta 7	0.898	0.002	0.036	0.025
CD69	CD69 antigen (p60, early T-cell activation antigen)	0.884	0.002	0.036	0.025
CD163	CD163 antigen	0.873	0.002	0.036	0.025
CLEC7A	C-type lectin domain family 7, member A	0.835	0.002	0.036	0.025
FLJ22662	hypothetical protein FLJ22662	0.822	0.002	0.036	0.025
P2RX7	purinergic receptor P2X, ligand-gated ion channel, 7	0.789	0.002	0.036	0.025
SOAT2	sterol O-acyltransferase 2	0.786	0.002	0.036	0.025
CCND2	cyclin D2	0.775	0.002	0.036	0.025
KLRG1	killer cell lectin-like receptor subfamily G, member 1	0.773	0.002	0.036	0.025
CSF2RA	colony stimulating factor 2 receptor, alpha, low-affinity	0.764	0.002	0.036	0.025
NELL2	NEL-like 2 (chicken)	0.760	0.004	0.056	0.037
IFNG	interferon, gamma	0.757	0.002	0.036	0.025
GALNT8	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-4	0.752	0.002	0.036	0.025
CCR1	chemokine (C-C motif) receptor 1	0.750	0.002	0.036	0.025
C1S	complement component 1, s subcomponent	0.634	0.004	0.056	0.037
DGKA	diacylglycerol kinase, alpha 80kDa	0.631	0.004	0.056	0.037
NIFUN	NifU-like N-terminal domain containing	0.621	0.004	0.056	0.037
KIAA0748	KIAA0748 gene product	0.620	0.002	0.036	0.025
DKFZP586A0	DKFZP586A0522 protein	0.609	0.004	0.056	0.037
ACVRL1	activin A receptor type II-like 1	0.609	0.002	0.036	0.025
CMKLR1	chemokine-like receptor 1	0.607	0.004	0.056	0.037
A2M	alpha-2-macroglobulin	0.600	0.004	0.056	0.037
KIAA0484	KIAA0484 protein	0.585	0.004	0.056	0.037
LOC171220	destrin-2 pseudogene	0.537	0.004	0.056	0.037
GPR18	G protein-coupled receptor 18	1.366	0.002	0.036	0.025
LCP1	lymphocyte cytosolic protein 1 (L-plastin)	1.293	0.002	0.036	0.025
EBI2	Epstein-Barr virus induced gene 2 (lymphocyte-specif	0.773	0.002	0.036	0.025
ALOX5AP	arachidonate 5-lipoxygenase-activating protein	0.714	0.002	0.036	0.025
FOXO1A	forkhead box O1A (rhabdomyosarcoma)	0.643	0.002	0.036	0.025
C13ORF18	chromosome 13 open reading frame 18	0.631	0.004	0.056	0.037
GZMB	granzyme B (granzyme 2, cytotoxic T-lymphocyte-ass	1.568	0.002	0.036	0.025
BCL11B	B-cell CLL/lymphoma 11B (zinc finger protein)	1.388	0.002	0.036	0.025
TCL1A	T-cell leukemia/lymphoma 1A	1.327	0.002	0.036	0.025
TRA@	T cell receptor alpha locus	1.151	0.002	0.036	0.025
WARS	tryptophanyl-tRNA synthetase	1.106	0.002	0.036	0.025
IGHM	immunoglobulin heavy constant mu	1.020	0.002	0.036	0.025
KIAA0125	KIAA0125	0.989	0.002	0.036	0.025
RNASE6	ribonuclease, RNase A family, k6	0.983	0.002	0.036	0.025
IGHA1	immunoglobulin heavy constant alpha 1 /// immunoglc	0.921	0.002	0.036	0.025
GPR65	G protein-coupled receptor 65	0.851	0.002	0.036	0.025
KIAA1509	KIAA1509	0.817	0.002	0.036	0.025
C14ORF159	chromosome 14 open reading frame 159	0.807	0.002	0.036	0.025
SLC7A7	solute carrier family 7 (cationic amino acid transporter	0.791	0.002	0.036	0.025
MGC27165	hypothetical protein MGC27165	0.779	0.002	0.036	0.025
RIN3	Ras and Rab interactor 3	0.763	0.002	0.036	0.025
NR3C1	nuclear receptor subfamily 3, group C, member 1 (glu	0.745	0.002	0.036	0.025
NFKBIA	nuclear factor of kappa light polypeptide gene enhanc	0.691	0.004	0.056	0.037
GZMH	granzyme H (cathepsin G-like 2, protein h-CCPX)	0.658	0.002	0.036	0.025
CTSG	cathepsin G	0.643	0.002	0.036	0.025
ZFYVE26	zinc finger, FYVE domain containing 26	0.623	0.002	0.036	0.025
ABCD4	ATP-binding cassette, sub-family D (ALD), member 4	0.604	0.002	0.036	0.025
IGHD	immunoglobulin heavy constant delta	0.596	0.004	0.056	0.037
IL7R	interleukin 7 receptor	1.826	0.002	0.036	0.025
PP9099	PH domain-containing protein	1.106	0.002	0.036	0.025
PSTPIP1	proline-serine-threonine phosphatase interacting prot	1.041	0.002	0.036	0.025
ISG20	interferon stimulated gene 20kDa	0.883	0.002	0.036	0.025
CSK	c-src tyrosine kinase	0.873	0.002	0.036	0.025

BCL2A1	BCL2-related protein A1	0.771	0.002	0.036	0.025
C15ORF34	chromosome 15 open reading frame 34	0.746	0.002	0.036	0.025
BATF	basic leucine zipper transcription factor, ATF-like	0.740	0.002	0.036	0.025
CTSH	cathepsin H	0.731	0.002	0.036	0.025
ZNF592	Zinc finger protein 592	0.696	0.004	0.056	0.037
CYP11A1	cytochrome P450, family 11, subfamily A, polypeptide	0.693	0.002	0.036	0.025
SLCO3A1	solute carrier organic anion transporter family, member	0.655	0.004	0.056	0.037
GLTSCR2	glioma tumor suppressor candidate region gene 2	0.641	0.002	0.036	0.025
APBA2	amyloid beta (A4) precursor protein-binding, family A,	0.640	0.002	0.036	0.025
PRKCB1	protein kinase C, beta 1	1.816	0.002	0.036	0.025
CORO1A	coronin, actin binding protein, 1A	1.645	0.002	0.036	0.025
IRF8	interferon regulatory factor 8 /// interferon regulatory fa	1.449	0.002	0.036	0.025
TNFRSF17	tumor necrosis factor receptor superfamily, member 1	1.434	0.002	0.036	0.025
LAT	linker for activation of T cells	1.398	0.002	0.036	0.025
CD19	CD19 antigen	1.290	0.002	0.036	0.025
PLCG2	phospholipase C, gamma 2 (phosphatidylinositol-spec	1.093	0.002	0.036	0.025
COTL1	coactosin-like 1 (Dictyostelium)	1.083	0.002	0.036	0.025
PSMB10	proteasome (prosome, macropain) subunit, beta type	0.902	0.002	0.036	0.025
DPEP2	dipeptidase 2	0.828	0.002	0.036	0.025
CYLD	cylindromatosis (turban tumor syndrome)	0.812	0.004	0.056	0.037
ITGAM	integrin, alpha M (complement component receptor 3,	0.749	0.002	0.036	0.025
TXNL4B	thioredoxin-like 4B	0.743	0.002	0.036	0.025
IGSF6	immunoglobulin superfamily, member 6	0.743	0.002	0.036	0.025
NCR3	natural cytotoxicity triggering receptor 3	0.734	0.002	0.036	0.025
SYK	spleen tyrosine kinase	0.724	0.002	0.036	0.025
PTAFR	platelet-activating factor receptor	0.717	0.002	0.036	0.025
DNAH3	dynein, axonemal, heavy polypeptide 3	0.682	0.002	0.036	0.025
N-PAC	cytokine-like nuclear factor n-pac	0.679	0.002	0.036	0.025
MGC2474	hypothetical protein MGC2474	0.672	0.004	0.056	0.037
ATF7IP2	activating transcription factor 7 interacting protein 2	0.666	0.002	0.036	0.025
NUBP1	nucleotide binding protein 1 (MinD homolog, E. coli)	0.660	0.002	0.036	0.025
CYBA	cytochrome b-245, alpha polypeptide	0.636	0.004	0.056	0.037
MGC3020	hypothetical protein MGC3020	0.607	0.004	0.056	0.037
ATP2A1	ATPase, Ca++ transporting, cardiac muscle, fast twitc	0.560	0.004	0.056	0.037
HERPUD1	homocysteine-inducible, endoplasmic reticulum stress	0.550	0.002	0.036	0.025
CENTB1	centaurin, beta 1	1.610	0.002	0.036	0.025
P2RX5	purinergic receptor P2X, ligand-gated ion channel, 5	1.425	0.002	0.036	0.025
ICAM2	intercellular adhesion molecule 2	1.313	0.002	0.036	0.025
EVI2B	ecotropic viral integration site 2B	1.291	0.002	0.036	0.025
CLEC10A	C-type lectin domain family 10, member A	1.232	0.002	0.036	0.025
CNTNAP1	contactin associated protein 1	1.118	0.002	0.036	0.025
FMNL1	formin-like 1	1.110	0.002	0.036	0.025
TBX21	T-box 21	1.100	0.002	0.036	0.025
MAP3K14	mitogen-activated protein kinase kinase kinase 14	1.076	0.002	0.036	0.025
TRPV2	transient receptor potential cation channel, subfamily	1.057	0.002	0.036	0.025
NALP1	NACHT, leucine rich repeat and PYD containing 1	0.961	0.002	0.036	0.025
LGALS9	lectin, galactoside-binding, soluble, 9 (galectin 9)	0.961	0.002	0.036	0.025
MGC10986	hypothetical protein MGC10986	0.955	0.002	0.036	0.025
IFI35	interferon-induced protein 35	0.828	0.004	0.056	0.037
SCAP1	src family associated phosphoprotein 1	0.820	0.002	0.036	0.025
TNFRSF13B	tumor necrosis factor receptor superfamily, member 1	0.803	0.002	0.036	0.025
ARRB2	arrestin, beta 2	0.796	0.002	0.036	0.025
BIRC4BP	XIAP associated factor-1	0.737	0.002	0.036	0.025
NFE2L3	nuclear factor (erythroid-derived 2)-like 3	0.697	0.002	0.036	0.025
TRIM25	tripartite motif-containing 25	0.689	0.002	0.036	0.025
TM4SF5	transmembrane 4 superfamily member 5	0.658	0.002	0.036	0.025
STAT5A	signal transducer and activator of transcription 5A	0.655	0.002	0.036	0.025
CD7	CD7 antigen (p41)	0.650	0.002	0.036	0.025
NF1	neurofibromin 1 (neurofibromatosis, von Recklinghaus	0.586	0.002	0.036	0.025
GAS7	growth arrest-specific 7	0.576	0.004	0.056	0.037
G6PC	glucose-6-phosphatase, catalytic (glycogen storage d	0.547	0.002	0.036	0.025
MBP	myelin basic protein	1.136	0.002	0.036	0.025
LPXN	leupaxin	1.047	0.002	0.036	0.025
ARHGAP28	Rho GTPase activating protein 28	0.610	0.004	0.056	0.037
MAP4K1	mitogen-activated protein kinase kinase kinase kinase	1.701	0.002	0.036	0.025
GMFG	glia maturation factor, gamma	1.582	0.002	0.036	0.025
CD37	CD37 antigen	1.548	0.002	0.036	0.025
HA-1	Minor histocompatibility antigen HA-1	1.470	0.002	0.036	0.025
IL27RA	interleukin 27 receptor, alpha	1.443	0.002	0.036	0.025
GZMM	granzyme M (lymphocyte met-ase 1)	1.283	0.002	0.036	0.025
CD79A	CD79A antigen (immunoglobulin-associated alpha)	1.256	0.002	0.036	0.025
LILRB1	leukocyte immunoglobulin-like receptor, subfamily B (	1.245	0.002	0.036	0.025
NKG7	natural killer cell group 7 sequence	1.216	0.002	0.036	0.025
U2AF1L4	U2(RNU2) small nuclear RNA auxiliary factor 1-like 4	1.144	0.002	0.036	0.025
ARHGEF1	Rho guanine nucleotide exchange factor (GEF) 1	1.140	0.002	0.036	0.025
ICAM3	intercellular adhesion molecule 3	1.069	0.002	0.036	0.025
LILRB2	leukocyte immunoglobulin-like receptor, subfamily B (	0.999	0.002	0.036	0.025
VAV1	vav 1 oncogene	0.997	0.002	0.036	0.025
EDG6	endothelial differentiation, G-protein-coupled receptor	0.926	0.002	0.036	0.025
SPIB	Spi-B transcription factor (Spi-1/PU.1 related)	0.905	0.002	0.036	0.025
LILRB4	leukocyte immunoglobulin-like receptor, subfamily B (	0.896	0.002	0.036	0.025
RELB	v-rel reticuloendotheliosis viral oncogene homolog B,	0.879	0.002	0.036	0.025
CD209	CD209 antigen	0.864	0.002	0.036	0.025
MYO1F	myosin IF	0.861	0.002	0.036	0.025
MATK	megakaryocyte-associated tyrosine kinase	0.845	0.002	0.036	0.025
FLJ11286	hypothetical protein FLJ11286	0.825	0.002	0.036	0.025
TYROBP	TYRO protein tyrosine kinase binding protein	0.821	0.002	0.036	0.025

LAIR1	leukocyte-associated Ig-like receptor 1	0.810	0.002	0.036	0.025
DENND1C	DENN/MADD domain containing 1C	0.799	0.002	0.036	0.025
CARD8	caspase recruitment domain family, member 8	0.781	0.002	0.036	0.025
GMIP	Gem-interacting protein	0.777	0.002	0.036	0.025
LAIR2	leukocyte-associated Ig-like receptor 2	0.755	0.004	0.056	0.037
MAN2B1	mannosidase, alpha, class 2B, member 1	0.729	0.002	0.036	0.025
MAST3	microtubule associated serine/threonine kinase 3	0.716	0.002	0.036	0.025
C3	complement component 3	0.713	0.004	0.056	0.037
CCDC9	coiled-coil domain containing 9	0.710	0.004	0.056	0.037
F2RL3	coagulation factor II (thrombin) receptor-like 3	0.709	0.002	0.036	0.025
EBI3	Epstein-Barr virus induced gene 3	0.706	0.002	0.036	0.025
EMP3	epithelial membrane protein 3	0.700	0.002	0.036	0.025
EDG8	endothelial differentiation, sphingolipid G-protein-coupl	0.700	0.002	0.036	0.025
IL15	interleukin 15	0.699	0.002	0.036	0.025
LILRA6	leukocyte immunoglobulin-like receptor, subfamily A (	0.697	0.002	0.036	0.025
IFI30	interferon, gamma-inducible protein 30	0.695	0.002	0.036	0.025
LILRA4	leukocyte immunoglobulin-like receptor, subfamily A (	0.694	0.004	0.056	0.037
FCGRT	Fc fragment of IgG, receptor, transporter, alpha	0.692	0.004	0.056	0.037
ELL	elongation factor RNA polymerase II	0.691	0.002	0.036	0.025
AKAP8	A kinase (PRKA) anchor protein 8	0.684	0.002	0.036	0.025
IL6R	interleukin 6 receptor	0.678	0.004	0.056	0.037
CYBB	cytochrome b-245, beta polypeptide (chronic granulo	0.677	0.004	0.056	0.037
APOC4	apolipoprotein C-IV	0.676	0.002	0.036	0.025
IL8RB	interleukin 8 receptor, beta	0.674	0.004	0.056	0.037
GNG7	guanine nucleotide binding protein (G protein), gamm	0.673	0.004	0.056	0.037
IL9R	interleukin 9 receptor /// similar to interleukin 9 recept	0.671	0.004	0.056	0.037
PRKD2	protein kinase D2	0.669	0.004	0.056	0.037
LYL1	lymphoblastic leukemia derived sequence 1	0.668	0.002	0.036	0.025
CD33	CD33 antigen (gp67)	0.665	0.002	0.036	0.025
ARHGEF18	rho/rac guanine nucleotide exchange factor (GEF) 18	0.663	0.004	0.056	0.037
IFNAR2	interferon (alpha, beta and omega) receptor 2	0.662	0.002	0.036	0.025
CGB	onadotropin, beta polypeptide 8 /// chorionic gonadotr	0.657	0.004	0.056	0.037
RPS28	ribosomal protein S28	0.642	0.002	0.036	0.025
ZNF576	zinc finger protein 576	0.634	0.002	0.036	0.025
CDKN2D	cyclin-dependent kinase inhibitor 2D (p19, inhibits CD	0.632	0.002	0.036	0.025
LILRA2	leukocyte immunoglobulin-like receptor, subfamily A (	0.627	0.002	0.036	0.025
SLC5A5	solute carrier family 5 (sodium iodide symporter), mer	0.627	0.002	0.036	0.025
APOE	apolipoprotein E	0.587	0.004	0.056	0.037
PLEKHF1	pleckstrin homology domain containing, family F (with	0.584	0.004	0.056	0.037
ATP13A1	ATPase type 13A1	0.581	0.004	0.056	0.037
OAZ1	ornithine decarboxylase antizyme 1	0.576	0.002	0.036	0.025
DNMT1	DNA (cytosine-5-)-methyltransferase 1	0.561	0.004	0.056	0.037
TBXA2R	thromboxane A2 receptor	0.540	0.004	0.056	0.037
AKR1B1	aldo-keto reductase family 1, member B1 (aldose red	0.534	0.004	0.056	0.037
PLEKHJ1	pleckstrin homology domain containing, family J mem	0.518	0.004	0.056	0.037
SIRPB2	signal-regulatory protein beta 2	1.558	0.002	0.036	0.025
PPP1R16B	protein phosphatase 1, regulatory (inhibitor) subunit 1	1.261	0.002	0.036	0.025
RASSF2	Ras association (RalGDS/AF-6) domain family 2	1.182	0.002	0.036	0.025
CST7	cystatin F (leukocystatin)	1.033	0.002	0.036	0.025
TNFRSF6B	tumor necrosis factor receptor superfamily, member 6	1.002	0.002	0.036	0.025
HCK	hemopoietic cell kinase	0.936	0.002	0.036	0.025
SAMHD1	SAM domain and HD domain 1	0.929	0.002	0.036	0.025
PTPN1	protein tyrosine phosphatase, non-receptor type 1	0.854	0.002	0.036	0.025
CST3	cystatin C (amyloid angiopathy and cerebral hemorrh	0.807	0.002	0.036	0.025
PAX1	paired box gene 1	0.680	0.004	0.056	0.037
SN	sialoadhesin	0.666	0.002	0.036	0.025
CD80	CD80 antigen (CD28 antigen ligand 1, B7-1 antigen)	0.660	0.004	0.056	0.037
TNNC2	troponin C2, fast	0.651	0.004	0.056	0.037
BCAS4	breast carcinoma amplified sequence 4	0.582	0.004	0.056	0.037
UBASH3A	ubiquitin associated and SH3 domain containing, A	1.297	0.002	0.036	0.025
C21ORF91	chromosome 21 open reading frame 91	0.754	0.002	0.036	0.025
SAMSN1	SAM domain, SH3 domain and nuclear localisation sit	0.745	0.002	0.036	0.025
C1R	complement component 1, r subcomponent	0.646	0.002	0.036	0.025
C2	complement component 2	0.646	0.004	0.056	0.037
C21ORF96	chromosome 21 open reading frame 96	0.637	0.004	0.056	0.037
TIAM1	T-cell lymphoma invasion and metastasis 1	0.571	0.002	0.036	0.025
RAC2	ras-related C3 botulinum toxin substrate 2 (rho family	1.544	0.002	0.036	0.025
PSCD4	pleckstrin homology, Sec7 and coiled-coil domains 4	1.303	0.002	0.036	0.025
APOBEC3F	apolipoprotein B mRNA editing enzyme, catalytic poly	1.195	0.002	0.036	0.025
TCN2	transcobalamin II; macrocytic anemia	1.170	0.002	0.036	0.025
MFNG	manic fringe homolog (Drosophila)	1.116	0.002	0.036	0.025
LOC91353	similar to omega protein	1.067	0.002	0.036	0.025
LGALS2	Lectin, galactoside-binding, soluble, 2 (galectin 2)	1.059	0.002	0.036	0.025
IGLJ3	immunoglobulin lambda joining 3	1.006	0.002	0.036	0.025
IGLV2-14	immunoglobulin lambda variable 2-14	0.924	0.002	0.036	0.025
APOBEC3C	apolipoprotein B mRNA editing enzyme, catalytic poly	0.917	0.002	0.036	0.025
LOC91316	similar to bK246H3.1 (immunoglobulin lambda-like po	0.907	0.002	0.036	0.025
CECR1	cat eye syndrome chromosome region, candidate 1	0.781	0.002	0.036	0.025
APOBEC3A	apolipoprotein B mRNA editing enzyme, catalytic poly	0.779	0.002	0.036	0.025
CBX7	chromobox homolog 7	0.728	0.004	0.056	0.037
IGLL1	immunoglobulin lambda-like polypeptide 1	0.685	0.002	0.036	0.025
IGLC1	Immunoglobulin lambda constant 1 (Mcg marker) /// Ir	0.682	0.002	0.036	0.025
APOL1	apolipoprotein L, 1	0.671	0.002	0.036	0.025
GRN	granulin	0.632	0.004	0.056	0.037
APOL5	apolipoprotein L, 5	0.626	0.004	0.056	0.037
CD14	CD14 antigen	0.620	0.002	0.036	0.025
FPR1	formyl peptide receptor 1	0.614	0.002	0.036	0.025

TNFRSF9	tumor necrosis factor receptor superfamily, member 9	0.609	0.004	0.056	0.037
TUBA8	tubulin, alpha 8	0.570	0.004	0.056	0.037
KIR2DL4	killer cell immunoglobulin-like receptor, two domains,	0.805	0.002	0.036	0.025
XPNPEP2	X-prolyl aminopeptidase (aminopeptidase P) 2, mem	1.664	0.002	0.036	0.025
PIM2	pim-2 oncogene	1.175	0.002	0.036	0.025
BTK	Bruton agammaglobulinemia tyrosine kinase	1.107	0.002	0.036	0.025
SH2D1A	SH2 domain protein 1A, Duncan's disease (lymphopre	1.097	0.002	0.036	0.025
ARHGAP4	Rho GTPase activating protein 4	1.024	0.002	0.036	0.025
ARHGEF6	Rac/Cdc42 guanine nucleotide exchange factor (GEF	1.008	0.002	0.036	0.025
P2RY10	purinergic receptor P2Y, G-protein coupled, 10	0.963	0.002	0.036	0.025
SEPT6	septin 6	0.942	0.002	0.036	0.025
CLIC2	chloride intracellular channel 2	0.933	0.002	0.036	0.025
MSL3L1	male-specific lethal 3-like 1 (Drosophila)	0.837	0.002	0.036	0.025
RPS6KA3	ribosomal protein S6 kinase, 90kDa, polypeptide 3	0.781	0.002	0.036	0.025
ITM2A	integral membrane protein 2A	0.705	0.002	0.036	0.025
WAS	Wiskott-Aldrich syndrome (eczema-thrombocytopenia	0.692	0.002	0.036	0.025
CXORF21	Chromosome X open reading frame 21	0.643	0.004	0.056	0.037
EFNB1	ephrin-B1	0.618	0.002	0.036	0.025
PCYT1B	phosphate cytidylyltransferase 1, choline, beta isoform	0.610	0.002	0.036	0.025
IL7	interleukin 7	0.597	0.002	0.036	0.025
DRP2	dystrophin related protein 2	0.595	0.004	0.056	0.037
MAGEB4	melanoma antigen, family B, 4	0.586	0.002	0.036	0.025
TLR7	toll-like receptor 7	0.573	0.004	0.056	0.037
OPHN1	oligophrenin 1	0.571	0.002	0.036	0.025
SCML2	sex comb on midleg-like 2 (Drosophila)	0.569	0.002	0.036	0.025
TLR2	toll-like receptor 2	0.566	0.004	0.056	0.037
NFATC3	nuclear factor of activated T-cells, cytoplasmic, calcin	0.564	0.004	0.056	0.037
EPOR	erythropoietin receptor	0.553	0.004	0.056	0.037
TNF	tumor necrosis factor (TNF superfamily, member 2)	0.549	0.004	0.056	0.037
RAB40A	RAB40A, member RAS oncogene family	0.515	0.004	0.056	0.037
MPP1	membrane protein, palmitoylated 1, 55kDa	0.501	0.004	0.056	0.037
GTPBP6	GTP binding protein 6 (putative)	0.777	0.002	0.036	0.025
LAMC1	laminin, gamma 1 (formerly LAMB2)	-0.566	0.004	0.056	0.037
PTPRF	protein tyrosine phosphatase, receptor type, F	-0.576	0.004	0.056	0.037
LPGAT1	lysophosphatidylglycerol acyltransferase 1	-0.585	0.004	0.056	0.037
LEPR	leptin receptor	-0.601	0.004	0.056	0.037
EFNA1	ephrin-A1	-0.618	0.002	0.036	0.025
COL11A1	collagen, type XI, alpha 1	-0.633	0.002	0.036	0.025
CAMSAP1L1	calmodulin regulated spectrin-associated protein 1-lik	-0.635	0.004	0.056	0.037
IRF6	interferon regulatory factor 6	-0.638	0.004	0.056	0.037
MTX1	metaxin 1	-0.642	0.002	0.036	0.025
ZMPSTE24	zinc metalloproteinase (STE24 homolog, yeast)	-0.649	0.004	0.056	0.037
C1ORF9	chromosome 1 open reading frame 9	-0.660	0.004	0.056	0.037
SEC63	SEC63-like (S. cerevisiae)	-0.667	0.002	0.036	0.025
CSRP1	cysteine and glycine-rich protein 1	-0.667	0.004	0.056	0.037
IARS2	isoleucine-tRNA synthetase 2, mitochondrial	-0.672	0.004	0.056	0.037
CAPN2	calpain 2, (m/II) large subunit	-0.678	0.002	0.036	0.025
C1ORF139	chromosome 1 open reading frame 139	-0.688	0.004	0.056	0.037
ACBD3	acyl-Coenzyme A binding domain containing 3	-0.690	0.004	0.056	0.037
OSBPL9	oxysterol binding protein-like 9	-0.703	0.002	0.036	0.025
SCP2	sterol carrier protein 2	-0.708	0.004	0.056	0.037
PLA2G12A	phospholipase A2, group X1A /// phospholipase A2, g	-0.719	0.002	0.036	0.025
FBXO28	F-box protein 28	-0.755	0.002	0.036	0.025
LEPROT	leptin receptor overlapping transcript	-0.814	0.002	0.036	0.025
BRE	brain and reproductive organ-expressed (TNFRSF1A	-0.545	0.004	0.056	0.037
THUMPD2	THUMP domain containing 2	-0.556	0.002	0.036	0.025
ACVR1	activin A receptor, type I	-0.557	0.002	0.036	0.025
PREPL	prolyl endopeptidase-like	-0.599	0.002	0.036	0.025
INSIG2	insulin induced gene 2	-0.603	0.002	0.036	0.025
EHBP1	EH domain binding protein 1	-0.604	0.002	0.036	0.025
RTN4	reticulon 4	-0.633	0.004	0.056	0.037
OACT2	O-acyltransferase (membrane bound) domain contain	-0.642	0.004	0.056	0.037
FHL2	four and a half LIM domains 2	-0.657	0.002	0.036	0.025
PPP1CB	protein phosphatase 1, catalytic subunit, beta isoform	-0.679	0.002	0.036	0.025
GFPT1	glutamine-fructose-6-phosphate transaminase 1	-0.733	0.002	0.036	0.025
SH3BP4	SH3-domain binding protein 4	-0.759	0.004	0.056	0.037
COPS8	COP9 constitutive photomorphogenic homolog subun	-0.762	0.002	0.036	0.025
MAP4K4	mitogen-activated protein kinase kinase kinase kinase	-0.765	0.002	0.036	0.025
PXDN	peroxidasin homolog (Drosophila)	-0.803	0.002	0.036	0.025
MAP4K3	mitogen-activated protein kinase kinase kinase kinase	-0.833	0.002	0.036	0.025
VPS24	vacuolar protein sorting 24 (yeast)	-0.908	0.002	0.036	0.025
CTDSPL	CTD (carboxy-terminal domain, RNA polymerase II, p	-0.555	0.004	0.056	0.037
BHLHB2	basic helix-loop-helix domain containing, class B, 2	-0.555	0.004	0.056	0.037
PLOD2	procollagen-lysine, 2-oxoglutarate 5-dioxygenase (lys	-0.582	0.002	0.036	0.025
PODXL2	podocalyxin-like 2	-0.589	0.004	0.056	0.037
MAP4	microtubule-associated protein 4	-0.640	0.004	0.056	0.037
BDH	3-hydroxybutyrate dehydrogenase (heart, mitochondr	-0.705	0.002	0.036	0.025
VGLL4	vestigial like 4 (Drosophila)	-0.737	0.002	0.036	0.025
NUDT9	nudix (nucleoside diphosphate linked moiety X)-type r	-0.544	0.004	0.056	0.037
EVC	Ellis van Creveld syndrome	-0.573	0.004	0.056	0.037
SPP1	secreted phosphoprotein 1 (osteopontin, bone sialopr	-0.584	0.002	0.036	0.025
CDS1	CDP-diacylglycerol synthase (phosphatidate cytidylylt	-0.622	0.004	0.056	0.037
SC4MOL	sterol-C4-methyl oxidase-like	-0.626	0.004	0.056	0.037
ARL4	ADP-ribosylation factor-like 4	-0.630	0.002	0.036	0.025
SEC31L1	SEC31-like 1 (S. cerevisiae)	-0.632	0.002	0.036	0.025
GUCY1B3	guanylate cyclase 1, soluble, beta 3	-0.669	0.002	0.036	0.025
CBR4	carbonic reductase 4	-0.721	0.002	0.036	0.025

PDLIM5	PDZ and LIM domain 5	-0.721	0.004	0.056	0.037
KIAA1102	KIAA1102 protein	-0.724	0.004	0.056	0.037
ENPEP	glutamyl aminopeptidase (aminopeptidase A)	-0.843	0.002	0.036	0.025
LOC92689	hypothetical protein BC001096	-0.929	0.002	0.036	0.025
GALNT10	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-4	-0.605	0.004	0.056	0.037
HOMER1	homer homolog 1 (Drosophila)	-0.610	0.002	0.036	0.025
KIBRA	KIBRA protein	-0.648	0.002	0.036	0.025
PDLIM4	PDZ and LIM domain 4	-0.669	0.004	0.056	0.037
CSNK1A1	casein kinase 1, alpha 1	-0.700	0.002	0.036	0.025
MAP1B	microtubule-associated protein 1B	-0.702	0.004	0.056	0.037
ESM1	endothelial cell-specific molecule 1	-0.710	0.002	0.036	0.025
MAPK9	mitogen-activated protein kinase 9	-0.730	0.002	0.036	0.025
PPIC	peptidylprolyl isomerase C (cyclophilin C)	-0.737	0.002	0.036	0.025
DBN1	drebrin 1	-0.765	0.002	0.036	0.025
P4HA2	procollagen-proline, 2-oxoglutarate 4-dioxygenase (pr	-0.944	0.002	0.036	0.025
EFHC1	EF-hand domain (C-terminal) containing 1	-0.508	0.004	0.056	0.037
HSPA1B	heat shock 70kDa protein 1B	-0.524	0.004	0.056	0.037
THBS2	thrombospondin 2	-0.583	0.004	0.056	0.037
COL10A1	collagen, type X, alpha 1(Schmid metaphyseal chond	-0.602	0.002	0.036	0.025
TREM1	triggering receptor expressed on myeloid cells 1	-0.608	0.004	0.056	0.037
GPR116	G protein-coupled receptor 116	-0.622	0.004	0.056	0.037
DST	dystonin	-0.625	0.004	0.056	0.037
SOX4	SRY (sex determining region Y)-box 4	-0.642	0.002	0.036	0.025
PGM3	phosphoglucomutase 3	-0.665	0.004	0.056	0.037
VEGF	vascular endothelial growth factor	-0.698	0.004	0.056	0.037
MYO6	myosin VI	-0.740	0.002	0.036	0.025
HEBP2	heme binding protein 2	-0.774	0.002	0.036	0.025
C7ORF28B	chromosome 7 open reading frame 28B	-0.549	0.004	0.056	0.037
KBTD2	kelch repeat and BTB (POZ) domain containing 2	-0.582	0.004	0.056	0.037
FLJ20397	hypothetical protein FLJ20397	-0.644	0.002	0.036	0.025
FTSJ2	FtsJ homolog 2 (E. coli)	-0.644	0.004	0.056	0.037
UNC84A	unc-84 homolog A (C. elegans)	-0.669	0.004	0.056	0.037
FBXW2	F-box and WD-40 domain protein 2	-0.677	0.002	0.036	0.025
PTPN12	protein tyrosine phosphatase, non-receptor type 12	-0.694	0.002	0.036	0.025
RAC1	ras-related C3 botulinum toxin substrate 1 (rho family)	-0.748	0.002	0.036	0.025
TSPAN13	tetraspanin 13	-0.749	0.002	0.036	0.025
KIAA0895	KIAA0895 protein	-0.765	0.002	0.036	0.025
FLJ11273	hypothetical protein FLJ11273	-0.931	0.002	0.036	0.025
MTUS1	mitochondrial tumor suppressor 1	-0.565	0.002	0.036	0.025
ANGPT2	angiopoietin 2	-0.631	0.004	0.056	0.037
SDC2	syndecan 2 (heparan sulfate proteoglycan 1, cell surf	-0.712	0.002	0.036	0.025
RAB2	RAB2, member RAS oncogene family	-0.719	0.002	0.036	0.025
LOXL2	lysyl oxidase-like 2	-0.845	0.002	0.036	0.025
FUBP3	far upstream element (FUSE) binding protein 3	-0.495	0.004	0.056	0.037
RALGPS1	Ral GEF with PH domain and SH3 binding motif 1	-0.587	0.002	0.036	0.025
VLDLR	very low density lipoprotein receptor	-0.607	0.004	0.056	0.037
EPB41L4B	erythrocyte membrane protein band 4.1 like 4B	-0.635	0.004	0.056	0.037
ASPN	asporin (LRR class 1)	-0.762	0.002	0.036	0.025
VCL	vinculin	-0.593	0.002	0.036	0.025
DHX32	DEAH (Asp-Glu-Ala-His) box polypeptide 32	-0.627	0.004	0.056	0.037
INPP5A	inositol polyphosphate-5-phosphatase, 40kDa	-0.668	0.002	0.036	0.025
ZNF532	zinc finger protein 532	-0.746	0.004	0.056	0.037
SORBS1	sorbin and SH3 domain containing 1	-0.768	0.002	0.036	0.025
PDHX	pyruvate dehydrogenase complex, component X	-0.571	0.002	0.036	0.025
HNT	neurotrimin	-0.605	0.004	0.056	0.037
FBXO3	F-box only protein 3	-0.608	0.004	0.056	0.037
PHLDA2	pleckstrin homology-like domain, family A, member 2	-0.613	0.004	0.056	0.037
DKK3	dickkopf homolog 3 (Xenopus laevis)	-0.625	0.002	0.036	0.025
ARHGAP1	Rho GTPase activating protein 1	-0.642	0.002	0.036	0.025
MICAL2	flavoprotein oxidoreductase MICAL2	-0.663	0.002	0.036	0.025
NUAK1	NUAK family, SNF1-like kinase, 1	-0.711	0.002	0.036	0.025
PKP2	plakophilin 2	-0.733	0.002	0.036	0.025
TUBA3	tubulin, alpha 3	-0.948	0.002	0.036	0.025
COL4A1	collagen, type IV, alpha 1	-0.645	0.002	0.036	0.025
EGLN3	egl nine homolog 3 (C. elegans)	-0.613	0.002	0.036	0.025
GOLGA5	golgi autoantigen, golgin subfamily a, 5	-0.663	0.004	0.056	0.037
ACTN1	actinin, alpha 1	-0.694	0.002	0.036	0.025
ANG	angiogenin, ribonuclease, RNase A family, 5 /// ribonu	-0.695	0.002	0.036	0.025
BNIP3	BCL2/adenovirus E1B 19kDa interacting protein 3	-0.706	0.002	0.036	0.025
PLEKHC1	pleckstrin homology domain containing, family C (with	-0.810	0.002	0.036	0.025
MAPK6	mitogen-activated protein kinase 6	-0.535	0.002	0.036	0.025
THBS1	thrombospondin 1	-0.559	0.002	0.036	0.025
TJP1	tight junction protein 1 (zona occludens 1)	-0.563	0.004	0.056	0.037
GLCE	glucuronyl C5-epimerase	-0.608	0.004	0.056	0.037
RAB11A	RAB11A, member RAS oncogene family	-0.631	0.004	0.056	0.037
TPM1	tropomyosin 1 (alpha)	-0.650	0.002	0.036	0.025
CYFIP1	cytoplasmic FMR1 interacting protein 1	-0.680	0.002	0.036	0.025
NARFL	nuclear prelamin A recognition factor-like	-0.527	0.004	0.056	0.037
TGFB111	transforming growth factor beta 1 induced transcript 1	-0.631	0.002	0.036	0.025
GSPT1	G1 to S phase transition 1	-0.637	0.002	0.036	0.025
PARN	poly(A)-specific ribonuclease (deadenylation nuclease	-0.714	0.002	0.036	0.025
HCFC1R1	host cell factor C1 regulator 1 (XPO1 dependant)	-0.727	0.002	0.036	0.025
CDIPT	CDP-diacylglycerol-inositol 3-phosphatidyltransferase	-0.750	0.002	0.036	0.025
KIAA1447	KIAA1447 protein	-0.518	0.002	0.036	0.025
HSPC009	HSPC009 protein	-0.534	0.004	0.056	0.037
MYH10	myosin, heavy polypeptide 10, non-muscle	-0.571	0.004	0.056	0.037
MYO1D	mvosin ID	-0.711	0.002	0.036	0.025

MXRA7	matrix-remodelling associated 7	-0.763	0.002	0.036	0.025
TAX1BP3	Tax1 (human T-cell leukemia virus type I) binding pro	-0.786	0.002	0.036	0.025
GRP	gastrin-releasing peptide	-0.647	0.002	0.036	0.025
RAB31	RAB31, member RAS oncogene family	-0.653	0.002	0.036	0.025
ANGPTL4	angiopoietin-like 4	-0.634	0.002	0.036	0.025
GNA11	guanine nucleotide binding protein (G protein), alpha	-0.672	0.004	0.056	0.037
RTN2	reticulon 2	-0.863	0.002	0.036	0.025
SLC2A10	solute carrier family 2 (facilitated glucose transporter)	-0.658	0.004	0.056	0.037
TCTE1L	t-complex-associated-testis-expressed 1-like	-0.872	0.002	0.036	0.025
PYGB	phosphorylase, glycogen; brain	-0.957	0.002	0.036	0.025
MRPS6	mitochondrial ribosomal protein S6	-0.588	0.004	0.056	0.037
TTC3	tetratricopeptide repeat domain 3	-0.679	0.002	0.036	0.025
RUNX1	runt-related transcription factor 1 (acute myeloid leuke	-0.729	0.002	0.036	0.025
KDEL3	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum prote	-0.687	0.002	0.036	0.025
TIMP3	tissue inhibitor of metalloproteinase 3 (Sorsby fundus	-0.737	0.002	0.036	0.025
MAFF	v-maf musculoaponeurotic fibrosarcoma oncogene hc	-0.782	0.002	0.036	0.025
PNAS-4	CGI-146 protein	-0.641	0.002	0.036	0.025
PYCR1	pyrroline-5-carboxylate reductase 1	-0.806	0.002	0.036	0.025
HNRPH2	heterogeneous nuclear ribonucleoprotein H2 (H')	-0.550	0.002	0.036	0.025
KIAA1280	KIAA1280 protein	-0.562	0.002	0.036	0.025
CXX1	CAAX box 1	-0.570	0.002	0.036	0.025
MOSPD1	motile sperm domain containing 1	-0.578	0.002	0.036	0.025
HEPH	hephaestin	-0.629	0.004	0.056	0.037
WBP5	WW domain binding protein 5	-0.699	0.002	0.036	0.025
PHKA1	phosphorylase kinase, alpha 1 (muscle)	-0.711	0.002	0.036	0.025
USP9X	ubiquitin specific protease 9, X-linked (fat facets-like,	-0.723	0.002	0.036	0.025
MAGED1	melanoma antigen, family D, 1	-0.735	0.004	0.056	0.037