

Supplementary Table 2. List of 4,723 genes related to the immune system according to InnateDB, a public database of human immune genes (www.innatedb.com).

ensembl	name	fullname	chromName	band
ENSG00000099715	PCDH11Y	protocadherin 11 Y-linked	Y	p11.2
ENSG00000092377	TBL1Y	transducin (beta)-like 1, Y-linked	Y	p11.2
ENSG00000114374	USP9Y	ubiquitin specific peptidase 9, Y-linked	Y	q11.221
ENSG00000165246	NLGN4Y	neuroligin 4, Y-linked	Y	q11.221
ENSG00000101557	USP14	ubiquitin specific peptidase 14 (tRNA-guanine transglycosylase)	18	p11.32
ENSG00000079134	THOC1	THO complex 1	18	p11.32
ENSG00000158270	COLEC12	collectin sub-family member 12	18	p11.32
ENSG00000141433	ADCYAP1	adenylate cyclase activating polypeptide 1 (pituitary)	18	p11.32
ENSG00000132205	EMILIN2	elastin microfibril interfacier 2	18	p11.32
ENSG00000101680	LAMA1	laminin, alpha 1	18	p11.31
ENSG00000173482	PTPRM	protein tyrosine phosphatase, receptor type, M	18	p11.23
ENSG00000017797	RALBP1	ralA binding protein 1	18	p11.22
ENSG00000154639	CXADR	coxsackie virus and adenovirus receptor	21	q21.1
ENSG00000172967	XKR3	XK, Kell blood group complex subunit-related family, member 3	22	q11.1
ENSG00000177663	IL17RA	interleukin 17 receptor A	22	q11.1
ENSG00000093072	CECR1	cat eye syndrome chromosome region, candidate 1	22	q11.1
ENSG00000099954	CECR2	cat eye syndrome chromosome region, candidate 2	22	q11.1
ENSG00000099968	BCL2L13	BCL2-like 13 (apoptosis facilitator)	22	q11.21
ENSG00000154654	NCAM2	neural cell adhesion molecule 2	21	q21.1
ENSG00000015475	BID	BH3 interacting domain death agonist	22	q11.21
ENSG00000154721	JAM2	junctional adhesion molecule 2	21	q21.3
ENSG00000176194	CIDEA	cell death-inducing DFFA-like effector a	18	p11.21
ENSG00000142192	APP	amyloid beta (A4) precursor protein	21	q21.3
ENSG00000128789	PSMG2	proteasome (prosome, macropain) assembly chaperone 2	18	p11.21
ENSG00000183628	DGCR6	DiGeorge syndrome critical region gene 6	22	q11.21
ENSG00000154734	ADAMTS1	ADAM metallopeptidase with thrombospondin type 1 motif, 1	21	q21.3
ENSG00000100033	PRODH	proline dehydrogenase (oxidase) 1	22	q11.21
ENSG00000154736	ADAMTS5	ADAM metallopeptidase with thrombospondin type 1 motif, 5	21	q21.3

ENSG00000070413	DGCR2	DiGeorge syndrome critical region gene 2	22	q11.21
ENSG00000198862	LTN1	listerin E3 ubiquitin protein ligase 1	21	q21.3
ENSG00000100056	DGCR14	DiGeorge syndrome critical region gene 14	22	q11.21
ENSG00000070371	CLTCL1	clathrin, heavy chain-like 1	22	q11.21
ENSG00000067900	ROCK1	Rho-associated, coiled-coil containing protein kinase 1	18	q11.1
ENSG00000184113	CLDN5	claudin 5	22	q11.21
ENSG00000184702	SEPT5	septin 5	22	q11.21
ENSG00000156282	CLDN17	claudin 17	21	q21.3
ENSG00000184058	TBX1	T-box 1	22	q11.21
ENSG00000156284	CLDN8	claudin 8	21	q22.11
ENSG00000101752	MIB1	mindbomb E3 ubiquitin protein ligase 1	18	q11.2
ENSG00000141448	GATA6	GATA binding protein 6	18	q11.2
ENSG00000093010	COMT	catechol-O-methyltransferase	22	q11.21
ENSG00000099889	ARVCF	armadillo repeat gene deleted in velocardiofacial syndrome	22	q11.21
ENSG00000128191	DGCR8	DiGeorge syndrome critical region gene 8	22	q11.21
ENSG00000156299	TIAM1	T-cell lymphoma invasion and metastasis 1	21	q22.11
ENSG00000141458	NPC1	Niemann-Pick disease, type C1	18	q11.2
ENSG00000142168	SOD1	superoxide dismutase 1, soluble	21	q22.11
ENSG00000053747	LAMA3	laminin, alpha 3	18	q11.2
ENSG00000170262	MRAP	melanocortin 2 receptor accessory protein	21	q22.11
ENSG00000128185	DGCR6L	DiGeorge syndrome critical region gene 6-like	22	q11.21
ENSG00000134489	HRH4	histamine receptor H4	18	q11.2
ENSG00000159082	SYNJ1	synaptojanin 1	21	q22.11
ENSG00000141380	SS18	synovial sarcoma translocation, chromosome 18	18	q11.2
ENSG00000154611	PSMA8	proteasome (prosome, macropain) subunit, alpha type, 8	18	q11.2
ENSG00000099937	SERPIND1	serpin peptidase inhibitor, clade D (heparin cofactor), member 1	22	q11.21
ENSG00000099940	SNAP29	synaptosomal-associated protein, 29kDa	22	q11.21
ENSG00000099942	CRKL	v-crk sarcoma virus CT10 oncogene homolog (avian)-like	22	q11.21
ENSG00000171885	AQP4	aquaporin 4	18	q11.2
ENSG00000183773	AIFM3	apoptosis-inducing factor, mitochondrion-associated, 3	22	q11.21
ENSG00000170558	CDH2	cadherin 2, type 1, N-cadherin (neuronal)	18	q12.1
ENSG00000134762	DSC3	desmocollin 3	18	q12.1

ENSG00000134755	DSC2	desmocollin 2	18	q12.1
ENSG00000159110	IFNAR2	interferon (alpha, beta and omega) receptor 2	21	q22.11
ENSG00000134765	DSC1	desmocollin 1	18	q12.1
ENSG00000134760	DSG1	desmoglein 1	18	q12.1
ENSG00000175065	DSG4	desmoglein 4	18	q12.1
ENSG00000134757	DSG3	desmoglein 3	18	q12.1
ENSG00000046604	DSG2	desmoglein 2	18	q12.1
ENSG00000128228	SDF2L1	stromal cell-derived factor 2-like 1	22	q11.21
ENSG00000142166	IFNAR1	interferon (alpha, beta and omega) receptor 1	21	q22.11
ENSG00000100023	PPIL2	peptidylprolyl isomerase (cyclophilin)-like 2	22	q11.21
ENSG00000159128	IFNGR2	interferon gamma receptor 2 (interferon gamma transducer 1)	21	q22.11
ENSG00000100030	MAPK1	mitogen-activated protein kinase 1	22	q11.22
ENSG00000100814	CCNB1IP1	cyclin B1 interacting protein 1, E3 ubiquitin protein ligase	14	q11.2
ENSG00000100034	PPM1F	protein phosphatase, Mg ²⁺ /Mn ²⁺ dependent, 1F	22	q11.22
ENSG00000169575	VPREB1	pre-B lymphocyte 1	22	q11.22
ENSG00000185686	PRAME	preferentially expressed antigen in melanoma	22	q11.22
ENSG00000198805	PNP	purine nucleoside phosphorylase	14	q11.2
ENSG00000159140	SON	SON DNA binding protein	21	q22.11
ENSG00000169385	RNASE2	ribonuclease, RNase A family, 2 (liver, eosinophil-derived neurotoxin)	14	q11.2
ENSG00000128322	IGLL1	immunoglobulin lambda-like polypeptide 1	22	q11.23
ENSG00000205726	ITSN1	intersectin 1 (SH3 domain protein)	21	q22.11
ENSG00000128218	VPREB3	pre-B lymphocyte 3	22	q11.23
ENSG00000165804	ZNF219	zinc finger protein 219	14	q11.2
ENSG00000100888	CHD8	chromodomain helicase DNA binding protein 8	14	q11.2
ENSG00000129562	DAD1	defender against cell death 1	14	q11.2
ENSG00000141469	SLC14A1	solute carrier family 14 (urea transporter), member 1 (Kidd blood group)	18	q12.3
ENSG00000159216	RUNX1	runt-related transcription factor 1	21	q22.12
ENSG00000128271	ADORA2A	adenosine A2a receptor	22	q11.23
ENSG00000197324	LRP10	low density lipoprotein receptor-related protein 10	14	q11.2
ENSG00000152234	ATP5A1	ATP synthase, H ⁺ transporting, mitochondrial F1 complex, alpha subunit 1, cardiac muscle	18	q21.1
ENSG00000159228	CBR1	carbonyl reductase 1	21	q22.12
ENSG00000184571	PIWIL3	piwi-like 3 (Drosophila)	22	q11.23

ENSG00000129474	AJUBA	ajuba LIM protein	14	q11.2
ENSG00000100804	PSMB5	proteasome (prosome, macropain) subunit, beta type, 5	14	q11.2
ENSG00000159261	CLDN14	claudin 14	21	q22.13
ENSG00000206066	IGLL3P	immunoglobulin lambda-like polypeptide 3, pseudogene	22	q11.23
ENSG00000100068	LRP5L	low density lipoprotein receptor-related protein 5-like	22	q11.23
ENSG00000139880	CDH24	cadherin 24, type 2	14	q11.2
ENSG00000100813	ACIN1	apoptotic chromatin condensation inducer 1	14	q11.2
ENSG00000092067	CEBPE	CCAAT/enhancer binding protein (C/EBP), epsilon	14	q11.2
ENSG00000175387	SMAD2	SMAD family member 2	18	q21.1
ENSG00000100099	HPS4	Hermansky-Pudlak syndrome 4	22	q12.1
ENSG00000129473	BCL2L2	BCL2-like 2	14	q11.2
ENSG00000101665	SMAD7	SMAD family member 7	18	q21.1
ENSG00000100842	EFS	embryonal Fyn-associated substrate	14	q11.2
ENSG00000166090	IL25	interleukin 25	14	q11.2
ENSG00000166091	CMTM5	CKLF-like MARVEL transmembrane domain containing 5	14	q11.2
ENSG00000183765	CHEK2	checkpoint kinase 2	22	q12.1
ENSG00000183527	PSMG1	proteasome (prosome, macropain) assembly chaperone 1	21	q22.2
ENSG00000100867	DHRS2	dehydrogenase/reductase (SDR family) member 2	14	q11.2
ENSG00000141646	SMAD4	SMAD family member 4	18	q21.2
ENSG00000187323	DCC	deleted in colorectal carcinoma	18	q21.2
ENSG00000092010	PSME1	proteasome (prosome, macropain) activator subunit 1 (PA28 alpha)	14	q12
ENSG00000100911	PSME2	proteasome (prosome, macropain) activator subunit 2 (PA28 beta)	14	q12
ENSG00000100280	AP1B1	adaptor-related protein complex 1, beta 1 subunit	22	q12.2
ENSG00000092098	RNF31	ring finger protein 31	14	q12
ENSG00000041353	RAB27B	RAB27B, member RAS oncogene family	18	q21.2
ENSG00000100296	THOC5	THO complex 5	22	q12.2
ENSG00000186575	NF2	neurofibromin 2 (merlin)	22	q12.2
ENSG00000188403	VSIG7	V-set and immunoglobulin domain containing 7	15	q11.1
ENSG00000119547	ONECUT2	one cut homeobox 2	18	q21.31
ENSG00000183067	IGSF5	immunoglobulin superfamily, member 5	21	q22.2
ENSG00000171587	DSCAM	Down syndrome cell adhesion molecule	21	q22.2
ENSG00000049759	NEDD4L	neural precursor cell expressed, developmentally down-regulated 4-like, E3 ubiquitin protein ligase	18	q21.31

ENSG00000136305	CIDEB	cell death-inducing DFFA-like effector b	14	q12
ENSG00000183844	FAM3B	family with sequence similarity 3, member B	21	q22.3
ENSG00000129465	RIPK3	receptor-interacting serine-threonine kinase 3	14	q12
ENSG00000100968	NFATC4	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 4	14	q12
ENSG00000172175	MALT1	mucosa associated lymphoid tissue lymphoma translocation gene 1	18	q21.32
ENSG00000157601	MX1	myxovirus (influenza virus) resistance 1, interferon-inducible protein p78 (mouse)	21	q22.3
ENSG00000128342	LIF	leukemia inhibitory factor	22	q12.2
ENSG00000092009	CMA1	chymase 1, mast cell	14	q12
ENSG00000099985	OSM	oncostatin M	22	q12.2
ENSG00000100448	CTSG	cathepsin G	14	q12
ENSG00000100450	GZMH	granzyme H (cathepsin G-like 2, protein h-CCPX)	14	q12
ENSG00000100453	GZMB	granzyme B (granzyme 2, cytotoxic T-lymphocyte-associated serine esterase 1)	14	q12
ENSG00000166569	CPLX4	complexin 4	18	q21.32
ENSG00000157617	C2CD2	C2 calcium-dependent domain containing 2	21	q22.3
ENSG00000183287	CCBE1	collagen and calcium binding EGF domains 1	18	q21.32
ENSG00000141682	PMAIP1	phorbol-12-myristate-13-acetate-induced protein 1	18	q21.32
ENSG00000182636	NDN	necdin homolog (mouse)	15	q11.2
ENSG00000101542	CDH20	cadherin 20, type 2	18	q21.33
ENSG00000184304	PRKD1	protein kinase D1	14	q12
ENSG00000160179	ABCG1	ATP-binding cassette, sub-family G (WHITE), member 1	21	q22.3
ENSG00000092140	G2E3	G2/M-phase specific E3 ubiquitin protein ligase	14	q12
ENSG00000092108	SCFD1	sec1 family domain containing 1	14	q12
ENSG00000114062	UBE3A	ubiquitin protein ligase E3A	15	q11.2
ENSG00000141655	TNFRSF11A	tumor necrosis factor receptor superfamily, member 11a, NFkB activator	18	q21.33
ENSG00000081913	PHLPP1	PH domain and leucine rich repeat protein phosphatase 1	18	q21.33
ENSG00000171791	BCL2	B-cell CLL/lymphoma 2	18	q21.33
ENSG00000160185	UBASH3A	ubiquitin associated and SH3 domain containing A	21	q22.3
ENSG00000160188	RSPH1	radial spoke head 1 homolog (Chlamydomonas)	21	q22.3
ENSG00000100852	ARHGAP5	Rho GTPase activating protein 5	14	q12
ENSG00000129521	EGLN3	egl nine homolog 3 (C. elegans)	14	q13.1
ENSG00000197632	SERPINB2	serpin peptidase inhibitor, clade B (ovalbumin), member 2	18	q21.33
ENSG00000129515	SNX6	sorting nexin 6	14	q13.1

ENSG00000100105	PATZ1	POZ (BTB) and AT hook containing zinc finger 1	22	q12.2
ENSG00000160199	PKNOX1	PBX/knotted 1 homeobox 1	21	q22.3
ENSG00000081138	CDH7	cadherin 7, type 2	18	q22.1
ENSG00000071991	CDH19	cadherin 19, type 2	18	q22.1
ENSG00000160202	CRYAA	crystallin, alpha A	21	q22.3
ENSG00000142178	SIK1	salt-inducible kinase 1	21	q22.3
ENSG00000100902	PSMA6	proteasome (prosome, macropain) subunit, alpha type, 6	14	q13.2
ENSG00000100906	NFKBIA	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha	14	q13.2
ENSG00000150637	CD226	CD226 molecule	18	q22.2
ENSG00000170677	SOCS6	suppressor of cytokine signaling 6	18	q22.2
ENSG00000160213	CSTB	cystatin B (stefin B)	21	q22.3
ENSG00000198690	FAN1	FANCD2/FANCI-associated nuclease 1	15	q13.3
ENSG00000136352	NKX2-1	NK2 homeobox 1	14	q13.3
ENSG00000100191	SLC5A4	solute carrier family 5 (low affinity glucose cotransporter), member 4	22	q12.3
ENSG00000175344	CHRNA7	cholinergic receptor, nicotinic, alpha 7 (neuronal)	15	q13.3
ENSG00000160223	ICOSLG	inducible T-cell co-stimulator ligand	21	q22.3
ENSG00000100220	C22orf28	chromosome 22 open reading frame 28	22	q12.3
ENSG00000184459	BPIFC	BPI fold containing family C	22	q12.3
ENSG00000160224	AIRE	autoimmune regulator	21	q22.3
ENSG00000166923	GREM1	gremlin 1	15	q13.3
ENSG00000100941	PNN	pinin, desmosome associated protein	14	q21.1
ENSG00000169857	AVEN	apoptosis, caspase activation inhibitor	15	q14
ENSG00000100284	TOM1	target of myb1 (chicken)	22	q12.3
ENSG00000175894	TSPEAR	thrombospondin-type laminin G domain and EAR repeats	21	q22.3
ENSG00000100292	HMOX1	heme oxygenase (decycling) 1	22	q12.3
ENSG00000128463	EMC4	ER membrane protein complex subunit 4	15	q14
ENSG00000182372	CLN8	ceroid-lipofuscinosis, neuronal 8 (epilepsy, progressive with mental retardation)	8	p23.3
ENSG00000131196	NFATC1	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 1	18	q23
ENSG00000198125	MB	myoglobin	22	q12.3
ENSG00000100442	FKBP3	FK506 binding protein 3, 25kDa	14	q21.2
ENSG00000187790	FANCM	Fanconi anemia, complementation group M	14	q21.2
ENSG00000160255	ITGB2	integrin, beta 2 (complement component 3 receptor 3 and 4 subunit)	21	q22.3

ENSG00000159251	ACTC1	actin, alpha, cardiac muscle 1	15	q14
ENSG00000165501	LRR1	leucine rich repeat protein 1	14	q21.3
ENSG00000197381	ADARB1	adenosine deaminase, RNA-specific, B1	21	q22.3
ENSG00000128335	APOL2	apolipoprotein L, 2	22	q12.3
ENSG00000100345	MYH9	myosin, heavy chain 9, non-muscle	22	q12.3
ENSG00000182871	COL18A1	collagen, type XVIII, alpha 1	21	q22.3
ENSG00000165527	ARF6	ADP-ribosylation factor 6	14	q21.3
ENSG00000091879	ANGPT2	angiopoietin 2	8	p23.1
ENSG00000100485	SOS2	son of sevenless homolog 2 (Drosophila)	14	q21.3
ENSG00000137801	THBS1	thrombospondin 1	15	q14
ENSG00000100348	TXN2	thioredoxin 2	22	q12.3
ENSG00000164825	DEFB1	defensin, beta 1	8	p23.1
ENSG00000164822	DEFA6	defensin, alpha 6, Paneth cell-specific	8	p23.1
ENSG00000012983	MAP4K5	mitogen-activated protein kinase kinase kinase kinase 5	14	q22.1
ENSG00000142156	COL6A1	collagen, type VI, alpha 1	21	q22.3
ENSG00000100360	IFT27	intraflagellar transport 27 homolog (Chlamydomonas)	22	q12.3
ENSG00000164821	DEFA4	defensin, alpha 4, corticostatin	8	p23.1
ENSG00000198513	ATL1	atlastin GTPase 1	14	q22.1
ENSG00000104081	BMF	Bcl2 modifying factor	15	q15.1
ENSG00000197461	PDGFA	platelet-derived growth factor alpha polypeptide	7	p22.3
ENSG00000206047	DEFA1	defensin, alpha 1	8	p23.1
ENSG00000142173	COL6A2	collagen, type VI, alpha 2	21	q22.3
ENSG00000156970	BUB1B	budding uninhibited by benzimidazoles 1 homolog beta (yeast)	15	q15.1
ENSG00000168993	CPLX1	complexin 1	4	p16.3
ENSG00000188191	PRKAR1B	protein kinase, cAMP-dependent, regulatory, type I, beta	7	p22.3
ENSG00000100368	CSF2RB	colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)	22	q12.3
ENSG00000206042	DEFA7P	defensin, alpha 7 pseudogene	8	p23.1
ENSG00000164816	DEFA5	defensin, alpha 5, Paneth cell-specific	8	p23.1
ENSG00000145214	DGKQ	diacylglycerol kinase, theta 110kDa	4	p16.3
ENSG00000206034	DEFB109P1B	defensin, beta 109, pseudogene 1B	8	p23.1
ENSG00000177257	DEFB4B	defensin, beta 4B	8	p23.1
ENSG00000177243	DEFB103B	defensin, beta 103B	8	p23.1

ENSG00000177023	DEFB104B	defensin, beta 104B	8	p23.1
ENSG00000187082	DEFB106B	defensin, beta 106B	8	p23.1
ENSG00000100385	IL2RB	interleukin 2 receptor, beta	22	q12.3
ENSG00000186599	DEFB105B	defensin, beta 105B	8	p23.1
ENSG00000133466	C1QTNF6	C1q and tumor necrosis factor related protein 6	22	q12.3
ENSG00000198129	DEFB107B	defensin, beta 107B	8	p23.1
ENSG00000159674	SPON2	spondin 2, extracellular matrix protein	4	p16.3
ENSG00000164877	MICALL2	MICAL-like 2	7	p22.3
ENSG00000128340	RAC2	ras-related C3 botulinum toxin substrate 2 (rho family, small GTP binding protein Rac2)	22	q13.1
ENSG00000159692	CTBP1	C-terminal binding protein 1	4	p16.3
ENSG00000139921	TMX1	thioredoxin-related transmembrane protein 1	14	q22.1
ENSG00000137824	FAM82A2	family with sequence similarity 82, member A2	15	q15.1
ENSG00000186572	DEFB107A	defensin, beta 107A	8	p23.1
ENSG00000186562	DEFB105A	defensin, beta 105A	8	p23.1
ENSG00000186579	DEFB106A	defensin, beta 106A	8	p23.1
ENSG00000090316	MAEA	macrophage erythroblast attacher	4	p16.3
ENSG00000100065	CARD10	caspase recruitment domain family, member 10	22	q13.1
ENSG00000176782	DEFB104A	defensin, beta 104A	8	p23.1
ENSG00000087303	NID2	nidogen 2 (osteonidogen)	14	q22.1
ENSG00000157778	PSMG3	proteasome (prosome, macropain) assembly chaperone 3	7	p22.3
ENSG00000176797	DEFB103A	defensin, beta 103A	8	p23.1
ENSG00000168229	PTGDR	prostaglandin D2 receptor (DP)	14	q22.1
ENSG00000171711	DEFB4A	defensin, beta 4A	8	p23.1
ENSG00000125384	PTGER2	prostaglandin E receptor 2 (subtype EP2), 53kDa	14	q22.1
ENSG00000205989	DEFB109P1	defensin, beta 109, pseudogene 1	8	p23.1
ENSG00000197930	ERO1L	ERO1-like (<i>S. cerevisiae</i>)	14	q22.1
ENSG00000100519	PSMC6	proteasome (prosome, macropain) 26S subunit, ATPase, 6	14	q22.1
ENSG00000128965	CHAC1	ChaC, cation transport regulator homolog 1 (<i>E. coli</i>)	15	q15.1
ENSG00000073712	FERMT2	fermitin family member 2	14	q22.1
ENSG00000100097	LGALS1	lectin, galactoside-binding, soluble, 1	22	q13.1
ENSG00000125378	BMP4	bone morphogenetic protein 4	14	q22.2
ENSG00000187446	CHP1	calcineurin-like EF hand protein 1	15	q15.1

ENSG00000137804	NUSAP1	nucleolar and spindle associated protein 1	15 q15.1
ENSG00000100124	ANKRD54	ankyrin repeat domain 54	22 q13.1
ENSG00000171056	SOX7	SRY (sex determining region Y)-box 7	8 p23.1
ENSG00000206172	HBA1	hemoglobin, alpha 1	16 p13.3
ENSG00000146535	GNA12	guanine nucleotide binding protein (G protein) alpha 12	7 p22.2
ENSG00000062524	LTK	leukocyte receptor tyrosine kinase	15 q15.1
ENSG00000198286	CARD11	caspase recruitment domain family, member 11	7 p22.2
ENSG00000131979	GCH1	GTP cyclohydrolase 1	14 q22.2
ENSG00000171044	XKR6	XK, Kell blood group complex subunit-related family, member 6	8 p23.1
ENSG00000146555	SDK1	sidekick cell adhesion molecule 1	7 p22.2
ENSG00000092445	TYRO3	TYRO3 protein tyrosine kinase	15 q15.1
ENSG00000180008	SOCS4	suppressor of cytokine signaling 4	14 q22.3
ENSG00000167930	ITFG3	integrin alpha FG-GAP repeat containing 3	16 p13.3
ENSG00000100151	PICK1	protein interacting with PRKCA 1	22 q13.1
ENSG00000157927	RADIL	Ras association and DIL domains	7 p22.1
ENSG00000136573	BLK	B lymphoid tyrosine kinase	8 p23.1
ENSG00000136297	MMD2	monocyte to macrophage differentiation-associated 2	7 p22.1
ENSG00000185615	PDIA2	protein disulfide isomerase family A, member 2	16 p13.3
ENSG00000103126	AXIN1	axin 1	16 p13.3
ENSG00000103966	EHD4	EH-domain containing 4	15 q15.1
ENSG00000129925	TMEM8A	transmembrane protein 8A	16 p13.3
ENSG00000154328	NEIL2	nei endonuclease VIII-like 2 (E. coli)	8 p23.1
ENSG00000070367	EXOC5	exocyst complex component 5	14 q22.3
ENSG00000168884	TNIP2	TNFAIP3 interacting protein 2	4 p16.3
ENSG00000090565	RAB11FIP3	RAB11 family interacting protein 3 (class II)	16 p13.3
ENSG00000100211	CBY1	chibby homolog 1 (Drosophila)	22 q13.1
ENSG00000164733	CTSB	cathepsin B	8 p23.1
ENSG00000075618	FSCN1	fascin homolog 1, actin-bundling protein (Strongylocentrotus purpuratus)	7 p22.1
ENSG00000011275	RNF216	ring finger protein 216	7 p22.1
ENSG00000109736	MFSD10	major facilitator superfamily domain containing 10	4 p16.3
ENSG00000100567	PSMA3	proteasome (prosome, macropain) subunit, alpha type, 3	14 q23.1
ENSG00000205884	DEFB136	defensin, beta 136	8 p23.1

ENSG00000205883	DEFB135	defensin, beta 135	8 p23.1
ENSG00000205882	DEFB134	defensin, beta 134	8 p23.1
ENSG00000127578	WFIKKN1	WAP, follistatin/kazal, immunoglobulin, kunitz and netrin domain containing 1	16 p13.3
ENSG00000197386	HTT	huntingtin	4 p16.3
ENSG00000155026	RSPH10B	radial spoke head 10 homolog B (Chlamydomonas)	7 p22.1
ENSG00000122512	PMS2	PMS2 postmeiotic segregation increased 2 (S. cerevisiae)	7 p22.1
ENSG00000092531	SNAP23	synaptosomal-associated protein, 23kDa	15 q15.1
ENSG00000164741	DLC1	deleted in liver cancer 1	8 p22
ENSG00000140983	RHOT2	ras homolog family member T2	16 p13.3
ENSG00000106305	AIMP2	aminoacyl tRNA synthetase complex-interacting multifunctional protein 2	7 p22.1
ENSG00000008256	CYTH3	cytohesin 3	7 p22.1
ENSG00000100311	PDGFB	platelet-derived growth factor beta polypeptide	22 q13.1
ENSG00000136238	RAC1	ras-related C3 botulinum toxin substrate 1 (rho family, small GTP binding protein Rac1)	7 p22.1
ENSG00000159459	UBR1	ubiquitin protein ligase E3 component n-recognin 1	15 q15.2
ENSG00000102854	MSLN	mesothelin	16 p13.3
ENSG00000100324	TAB1	TGF-beta activated kinase 1/MAP3K7 binding protein 1	22 q13.1
ENSG00000038945	MSR1	macrophage scavenger receptor 1	8 p22
ENSG00000126778	SIX1	SIX homeobox 1	14 q23.1
ENSG00000162006	MSLNL	mesothelin-like	16 p13.3
ENSG00000100625	SIX4	SIX homeobox 4	14 q23.1
ENSG00000020426	MNAT1	menage a trois homolog 1, cyclin H assembly factor (Xenopus laevis)	14 q23.1
ENSG00000187953	PMS2CL	PMS2 C-terminal like pseudogene	7 p22.1
ENSG00000168803	ADAL	adenosine deaminase-like	15 q15.3
ENSG00000169402	RSPH10B2	radial spoke head 10 homolog B2 (Chlamydomonas)	7 p22.1
ENSG00000145220	LYAR	Ly1 antibody reactive homolog (mouse)	4 p16.3
ENSG00000005513	SOX8	SRY (sex determining region Y)-box 8	16 p13.3
ENSG00000027075	PRKCH	protein kinase C, eta	14 q23.1
ENSG00000100644	HIF1A	hypoxia inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)	14 q23.2
ENSG00000184471	C1QTNF8	C1q and tumor necrosis factor related protein 8	16 p13.3
ENSG00000003147	ICA1	islet cell autoantigen 1, 69kDa	7 p21.3
ENSG00000163132	MSX1	msh homeobox 1	4 p16.2
ENSG00000170891	CYTL1	cytokine-like 1	4 p16.2

ENSG0000006747	SCIN	scinderin	7	p21.3
ENSG00000104213	PDGFRL	platelet-derived growth factor receptor-like	8	p22
ENSG00000122644	ARL4A	ADP-ribosylation factor-like 4A	7	p21.3
ENSG00000126821	SGPP1	sphingosine-1-phosphate phosphatase 1	14	q23.2
ENSG00000196588	MKL1	megakaryoblastic leukemia (translocation) 1	22	q13.2
ENSG00000136267	DGKB	diacylglycerol kinase, beta 90kDa	7	p21.2
ENSG00000152969	JAKMIP1	janus kinase and microtubule interacting protein 1	4	p16.1
ENSG00000109501	WFS1	Wolfram syndrome 1 (wolframin)	4	p16.1
ENSG00000100393	EP300	E1A binding protein p300	22	q13.2
ENSG00000106546	AHR	aryl hydrocarbon receptor	7	p21.1
ENSG00000140009	ESR2	estrogen receptor 2 (ER beta)	14	q23.3
ENSG00000048052	HDAC9	histone deacetylase 9	7	p21.1
ENSG00000187535	IFT140	intraflagellar transport 140 homolog (Chlamydomonas)	16	p13.3
ENSG00000122691	TWIST1	twist homolog 1 (Drosophila)	7	p21.1
ENSG00000167004	PDIA3	protein disulfide isomerase family A, member 3	15	q15.3
ENSG00000105855	ITGB8	integrin, beta 8	7	p21.1
ENSG00000103024	NME3	NME/NM23 nucleoside diphosphate kinase 3	16	p13.3
ENSG00000196419	XRCC6	X-ray repair complementing defective repair in Chinese hamster cells 6	22	q13.2
ENSG00000099769	IGFALS	insulin-like growth factor binding protein, acid labile subunit	16	p13.3
ENSG00000136244	IL6	interleukin 6 (interferon, beta 2)	7	p15.3
ENSG00000159958	TNFRSF13C	tumor necrosis factor receptor superfamily, member 13C	22	q13.2
ENSG00000125952	MAX	MYC associated factor X	14	q23.3
ENSG00000100167	SEPT3	septin 3	22	q13.2
ENSG00000196408	NOXO1	NADPH oxidase organizer 1	16	p13.3
ENSG00000033170	FUT8	fucosyltransferase 8 (alpha (1,6) fucosyltransferase)	14	q23.3
ENSG00000136235	GPNMB	glycoprotein (transmembrane) nmb	7	p15.3
ENSG00000175445	LPL	lipoprotein lipase	8	p21.3
ENSG00000136231	IGF2BP3	insulin-like growth factor 2 mRNA binding protein 3	7	p15.3
ENSG00000103197	TSC2	tuberous sclerosis 2	16	p13.3
ENSG00000186146	DEFB131	defensin, beta 131	4	p16.1
ENSG00000169676	DRD5	dopamine receptor D5	4	p16.1
ENSG00000166710	B2M	beta-2-microglobulin	15	q21.1

ENSG00000008710	PKD1	polycystic kidney disease 1 (autosomal dominant)	16	p13.3
ENSG00000185880	TRIM69	tripartite motif containing 69	15	q21.1
ENSG00000100568	VTI1B	vesicle transport through interaction with t-SNAREs homolog 1B (yeast)	14	q24.1
ENSG00000172115	CYCS	cytochrome c, somatic	7	p15.3
ENSG00000109684	CLNK	cytokine-dependent hematopoietic cell linker	4	p16.1
ENSG00000167964	RAB26	RAB26, member RAS oncogene family	16	p13.3
ENSG00000140279	DUOX2	dual oxidase 2	15	q21.1
ENSG00000131653	TRAF7	TNF receptor-associated factor 7, E3 ubiquitin protein ligase	16	p13.3
ENSG00000050344	NFE2L3	nuclear factor (erythroid-derived 2)-like 3	7	p15.2
ENSG00000137857	DUOX1	dual oxidase 1	15	q21.1
ENSG00000109705	NKX3-2	NK3 homeobox 2	4	p15.33
ENSG00000072110	ACTN1	actinin, alpha 1	14	q24.1
ENSG00000005020	SKAP2	src kinase associated phosphoprotein 2	7	p15.2
ENSG00000138606	SHF	Src homology 2 domain containing F	15	q21.1
ENSG00000180104	EXOC3	exocyst complex component 3	5	p15.33
ENSG00000100266	PACSIN2	protein kinase C and casein kinase substrate in neurons 2	22	q13.2
ENSG00000066230	SLC9A3	solute carrier family 9, subfamily A (NHE3, cation proton antiporter 3), member 3	5	p15.33
ENSG00000168481	LGI3	leucine-rich repeat LGI family, member 3	8	p21.3
ENSG00000105997	HOXA3	homeobox A3	7	p15.2
ENSG00000100626	GALNTL1	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase-like 1	14	q24.1
ENSG00000100290	BIK	BCL2-interacting killer (apoptosis-inducing)	22	q13.2
ENSG00000168487	BMP1	bone morphogenetic protein 1	8	p21.3
ENSG00000163145	C1QTNF7	C1q and tumor necrosis factor related protein 7	4	p15.32
ENSG00000106004	HOXA5	homeobox A5	7	p15.2
ENSG00000122592	HOXA7	homeobox A7	7	p15.2
ENSG00000100300	TSPO	translocator protein (18kDa)	22	q13.2
ENSG00000104164	PLDN	biogenesis of lysosomal organelles complex-1, subunit 6, pallidin	15	q21.1
ENSG00000198732	SMOC1	SPARC related modular calcium binding 1	14	q24.2
ENSG00000109743	BST1	bone marrow stromal cell antigen 1	4	p15.32
ENSG00000106031	HOXA13	homeobox A13	7	p15.2
ENSG00000004468	CD38	CD38 molecule	4	p15.32
ENSG00000106052	TAX1BP1	Tax1 (human T-cell leukemia virus type I) binding protein 1	7	p15.2

ENSG00000168495	POLR3D	polymerase (RNA) III (DNA directed) polypeptide D, 44kDa	8	p21.3
ENSG00000197181	PIWIL2	piwi-like 2 (Drosophila)	8	p21.3
ENSG00000145506	NKD2	naked cuticle homolog 2 (Drosophila)	5	p15.33
ENSG00000188677	PARVB	parvin, beta	22	q13.31
ENSG00000136193	SCRN1	secernin 1	7	p14.3
ENSG00000138964	PARVG	parvin, gamma	22	q13.31
ENSG00000106080	FKBP14	FK506 binding protein 14, 22 kDa	7	p14.3
ENSG00000120896	SORBS3	sorbin and SH3 domain containing 3	8	p21.3
ENSG00000164362	TERT	telomerase reverse transcriptase	5	p15.33
ENSG00000106100	NOD1	nucleotide-binding oligomerization domain containing 1	7	p14.3
ENSG00000049656	CLPTM1L	CLPTM1-like	5	p15.33
ENSG00000158941	KIAA1967	KIAA1967	8	p21.3
ENSG00000119707	RBM25	RNA binding motif protein 25	14	q24.2
ENSG00000147439	BIN3	bridging integrator 3	8	p21.3
ENSG00000080815	PSEN1	presenilin 1	14	q24.2
ENSG00000145147	SLIT2	slit homolog 2 (Drosophila)	4	p15.31
ENSG00000184697	CLDN6	claudin 6	16	p13.3
ENSG00000006327	TNFRSF12A	tumor necrosis factor receptor superfamily, member 12A	16	p13.3
ENSG00000103145	HCFC1R1	host cell factor C1 regulator 1 (XPO1 dependent)	16	p13.3
ENSG00000120889	TNFRSF10B	tumor necrosis factor receptor superfamily, member 10b	8	p21.3
ENSG00000171840	NINJ2	ninjurin 2	12	p13.33
ENSG00000140285	FGF7	fibroblast growth factor 7	15	q21.2
ENSG00000008517	IL32	interleukin 32	16	p13.3
ENSG00000060237	WNK1	WNK lysine deficient protein kinase 1	12	p13.33
ENSG00000106341	PPP1R17	protein phosphatase 1, regulatory subunit 17	7	p14.3
ENSG00000173535	TNFRSF10C	tumor necrosis factor receptor superfamily, member 10c, decoy without an intracellular domain	8	p21.3
ENSG00000140287	HDC	histidine decarboxylase	15	q21.2
ENSG00000173530	TNFRSF10D	tumor necrosis factor receptor superfamily, member 10d, decoy with truncated death domain	8	p21.3
ENSG00000140043	PTGR2	prostaglandin reductase 2	14	q24.3
ENSG00000082805	ERC1	ELKS/RAB6-interacting/CAST family member 1	12	p13.33
ENSG00000104689	TNFRSF10A	tumor necrosis factor receptor superfamily, member 10a	8	p21.3
ENSG00000122642	FKBP9	FK506 binding protein 9, 63 kDa	7	p14.3

ENSG00000109819	PPARGC1A	peroxisome proliferator-activated receptor gamma, coactivator 1 alpha	4	p15.2
ENSG00000186951	PPARA	peroxisome proliferator-activated receptor alpha	22	q13.31
ENSG00000092439	TRPM7	transient receptor potential cation channel, subfamily M, member 7	15	q21.2
ENSG00000134013	LOXL2	lysyl oxidase-like 2	8	p21.3
ENSG00000122507	BBS9	Bardet-Biedl syndrome 9	7	p14.3
ENSG00000119711	ALDH6A1	aldehyde dehydrogenase 6 family, member A1	14	q24.3
ENSG00000111186	WNT5B	wingless-type MMTV integration site family, member 5B	12	p13.33
ENSG00000119688	ABCD4	ATP-binding cassette, sub-family D (ALD), member 4	14	q24.3
ENSG00000124279	FASTKD3	FAST kinase domains 3	5	p15.31
ENSG00000183578	TNFAIP8L3	tumor necrosis factor, alpha-induced protein 8-like 3	15	q21.2
ENSG00000197085	NPSR1-AS1	NPSR1 antisense RNA 1	7	p14.3
ENSG00000167984	NLRC3	NLR family, CARD domain containing 3	16	p13.3
ENSG00000075275	CELSR1	cadherin, EGF LAG seven-pass G-type receptor 1 (flamingo homolog, Drosophila)	22	q13.31
ENSG00000183186	C2CD4C	C2 calcium-dependent domain containing 4C sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 5A	19	p13.3
ENSG00000112902	SEMA5A		5	p15.31
ENSG00000075240	GRAMD4	GRAM domain containing 4	22	q13.31
ENSG00000119681	LTBP2	latent transforming growth factor beta binding protein 2	14	q24.3
ENSG00000180053	NKX2-6	NK2 homeobox 6	8	p21.2
ENSG00000099866	MADCAM1	mucosal vascular addressin cell adhesion molecule 1	19	p13.3
ENSG00000100422	CERK	ceramide kinase	22	q13.31
ENSG00000126602	TRAP1	TNF receptor-associated protein 1	16	p13.3
ENSG00000004478	FKBP4	FK506 binding protein 4, 59kDa	12	p13.33
ENSG00000119616	FCF1	FCF1 small subunit (SSU) processome component homolog (<i>S. cerevisiae</i>)	14	q24.3
ENSG00000172270	BSG	basigin (Ok blood group)	19	p13.3
ENSG00000134028	ADAMDEC1	ADAM-like, decysin 1	8	p21.2
ENSG00000111203	ITFG2	integrin alpha FG-GAP repeat containing 2	12	p13.33
ENSG00000137875	BCL2L10	BCL2-like 10 (apoptosis facilitator)	15	q21.2
ENSG00000122545	SEPT7	septin 7	7	p14.2
ENSG00000197540	GZMM	granzyme M (lymphocyte met-ase 1)	19	p13.3
ENSG00000112977	DAP	death-associated protein	5	p15.2
ENSG00000168214	RBPJ	recombination signal binding protein for immunoglobulin kappa J region	4	p15.2

ENSG00000169862	CTNND2	catenin (cadherin-associated protein), delta 2	5 p15.2
ENSG00000011426	ANLN	anillin, actin binding protein	7 p14.2
ENSG00000090447	TFAP4	transcription factor AP-4 (activating enhancer binding protein 4)	16 p13.3
ENSG00000155849	ELMO1	engulfment and cell motility 1	7 p14.1
ENSG00000147459	DOCK5	dedicator of cytokinesis 5	8 p21.2
ENSG00000198355	PIM3	pim-3 oncogene	22 q13.33
ENSG00000163394	CCKAR	cholecystokinin A receptor	4 p15.2
ENSG00000188263	IL17REL	interleukin 17 receptor E-like	22 q13.33
ENSG00000070404	FSTL3	follistatin-like 3 (secreted glycoprotein)	19 p13.3
ENSG00000103423	DNAJA3	DnaJ (Hsp40) homolog, subfamily A, member 3	16 p13.3
ENSG00000169856	ONECUT1	one cut homeobox 1	15 q21.3
ENSG00000073146	MOV10L1	Mov10l1, Moloney leukemia virus 10-like 1, homolog (mouse)	22 q13.33
ENSG00000106483	SFRP4	secreted frizzled-related protein 4	7 p14.1
ENSG00000147437	GNRH1	gonadotropin-releasing hormone 1 (luteinizing-releasing hormone)	8 p21.2
ENSG00000038382	TRIO	trio Rho guanine nucleotide exchange factor	5 p15.2
ENSG00000137766	UNC13C	unc-13 homolog C (C. elegans)	15 q21.3
ENSG00000089486	CDIP1	cell death-inducing p53 target 1	16 p13.3
ENSG00000078053	AMPH	amphiphysin	7 p14.1
ENSG00000170345	FOS	FBJ murine osteosarcoma viral oncogene homolog	14 q24.3
ENSG00000069974	RAB27A	RAB27A, member RAS oncogene family	15 q21.3
ENSG00000169851	PCDH7	protocadherin 7	4 p15.1
ENSG00000172232	AZU1	azurocidin 1	19 p13.3
ENSG00000119686	FLVCR2	feline leukemia virus subgroup C cellular receptor family, member 2	14 q24.3
ENSG00000104765	BNIP3L	BCL2/adenovirus E1B 19kDa interacting protein 3-like	8 p21.2
ENSG00000197561	ELANE	elastase, neutrophil expressed	19 p13.3
ENSG00000185386	MAPK11	mitogen-activated protein kinase 11	22 q13.33
ENSG00000197766	CFD	complement factor D (adipsin)	19 p13.3
ENSG00000119699	TGFB3	transforming growth factor, beta 3	14 q24.3
ENSG00000006451	RALA	v-ral simian leukemia viral oncogene homolog A (ras related)	7 p14.1
ENSG00000121742	GJB6	gap junction protein, beta 6, 30kDa	13 q12.11
ENSG00000134121	CHL1	cell adhesion molecule with homology to L1CAM (close homolog of L1)	3 p26.3
ENSG00000120907	ADRA1A	adrenoceptor alpha 1A	8 p21.2

ENSG00000134115	CNTN6	contactin 6	3 p26.3
ENSG00000185652	NTF3	neurotrophin 3	12 p13.31
ENSG00000032742	IFT88	intraflagellar transport 88 homolog (Chlamydomonas)	13 q12.11
ENSG00000122641	INHBA	inhibin, beta A	7 p14.1
ENSG00000144619	CNTN4	contactin 4	3 p26.3
ENSG00000033011	ALG1	asparagine-linked glycosylation 1, beta-1,4-mannosyltransferase homolog (<i>S. cerevisiae</i>)	16 p13.3
ENSG00000110799	VWF	von Willebrand factor	12 p13.31
ENSG00000106571	GLI3	GLI family zinc finger 3	7 p14.1
ENSG00000174123	TLR10	toll-like receptor 10	4 p14
ENSG00000091181	IL5RA	interleukin 5 receptor, alpha	3 p26.2
ENSG00000106588	PSMA2	proteasome (prosome, macropain) subunit, alpha type, 2	7 p14.1
ENSG00000010278	CD9	CD9 molecule	12 p13.31
ENSG00000174125	TLR1	toll-like receptor 1	4 p14
ENSG00000145526	CDH18	cadherin 18, type 2	5 p14.3
ENSG00000064687	ABCA7	ATP-binding cassette, sub-family A (ABC1), member 7	19 p13.3
ENSG00000174130	TLR6	toll-like receptor 6	4 p14
ENSG00000164543	STK17A	serine/threonine kinase 17a	7 p13
ENSG00000180448	HMHA1	histocompatibility (minor) HA-1	19 p13.3
ENSG00000154162	CDH12	cadherin 12, type 2 (N-cadherin 2)	5 p14.3
ENSG00000172458	IL17D	interleukin 17D	13 q12.11
ENSG00000104228	TRIM35	tripartite motif containing 35	8 p21.2
ENSG00000067182	TNFRSF1A	tumor necrosis factor receptor superfamily, member 1A	12 p13.31
ENSG00000025708	TYMP	thymidine phosphorylase	22 q13.33
ENSG00000181031	RPH3AL	rabphilin 3A-like (without C2 domains)	17 p13.3
ENSG00000064932	SBNO2	strawberry notch homolog 2 (<i>Drosophila</i>)	19 p13.3
ENSG00000120899	PTK2B	PTK2B protein tyrosine kinase 2 beta	8 p21.2
ENSG00000040731	CDH10	cadherin 10, type 2 (T2-cadherin)	5 p14.1
ENSG00000111321	LTBR	lymphotoxin beta receptor (TNFR superfamily, member 3)	12 p13.31
ENSG00000128918	ALDH1A2	aldehyde dehydrogenase 1 family, member A2	15 q21.3
ENSG00000150457	LATS2	LATS, large tumor suppressor, homolog 2 (<i>Drosophila</i>)	13 q12.11
ENSG00000139193	CD27	CD27 molecule	12 p13.31
ENSG00000113100	CDH9	cadherin 9, type 2 (T1-cadherin)	5 p14.1

ENSG00000136279	DBNL	drebrin-like	7 p13
ENSG00000139192	TAPBPL	TAP binding protein-like	12 p13.31
ENSG00000008735	MAPK8IP2	mitogen-activated protein kinase 8 interacting protein 2	22 q13.33
ENSG00000183454	GRIN2A	glutamate receptor, ionotropic, N-methyl D-aspartate 2A	16 p13.2
ENSG00000113361	CDH6	cadherin 6, type 2, K-cadherin (fetal kidney)	5 p13.3
ENSG00000137845	ADAM10	ADAM metallopeptidase domain 10	15 q21.3
ENSG00000150995	ITPR1	inositol 1,4,5-trisphosphate receptor, type 1	3 p26.1
ENSG00000106624	AEBP1	AE binding protein 1	7 p13
ENSG00000021645	NRXN3	neurexin 3	14 q24.3
ENSG00000171861	RNMTL1	RNA methyltransferase like 1	17 p13.3
ENSG00000137776	SLTM	SAFB-like, transcription modulator	15 q22.1
ENSG00000120885	CLU	clusterin	8 p21.1
ENSG00000211448	DIO2	deiodinase, iodothyronine, type II	14 q31.1
ENSG00000121897	LIAS	lipoic acid synthetase	4 p14
ENSG00000179583	CIITA	class II, major histocompatibility complex, transactivator	16 p13.13
ENSG00000133401	PDZD2	PDZ domain containing 2	5 p13.3
ENSG00000159842	ABR	active BCR-related	17 p13.3
ENSG00000157456	CCNB2	cyclin B2	15 q22.2
ENSG00000106636	YKT6	YKT6 v-SNARE homolog (<i>S. cerevisiae</i>)	7 p13
ENSG00000157483	MYO1E	myosin IE	15 q22.2
ENSG00000185338	SOCS1	suppressor of cytokine signaling 1	16 p13.13
ENSG00000108953	YWHAE	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, epsilon polypeptide	17 p13.3
ENSG00000140299	BNIP2	BCL2/adenovirus E1B 19kDa interacting protein 2	15 q22.2
ENSG00000140022	STON2	stonin 2	14 q31.1
ENSG00000168079	SCARA5	scavenger receptor class A, member 5 (putative)	8 p21.1
ENSG00000111653	ING4	inhibitor of growth family, member 4	12 p13.31
ENSG00000189067	LITAF	lipopolysaccharide-induced TNF factor	16 p13.13
ENSG00000185070	FLRT2	fibronectin leucine rich transmembrane protein 2	14 q31.3
ENSG00000140030	GPR65	G protein-coupled receptor 65	14 q31.3
ENSG00000168421	RHOH	ras homolog family member H	4 p14
ENSG00000071564	TCF3	transcription factor 3 (E2A immunoglobulin enhancer binding factors E12/E47)	19 p13.3
ENSG00000180914	OXTR	oxytocin receptor	3 p25.3

ENSG00000069667	RORA	RAR-related orphan receptor A	15	q22.2
ENSG00000089693	MLF2	myeloid leukemia factor 2	12	p13.31
ENSG00000151835	SACS	spastic ataxia of Charlevoix-Saguenay (sacsin)	13	q12.12
ENSG00000089692	LAG3	lymphocyte-activation gene 3	12	p13.31
ENSG00000103342	GSPT1	G1 to S phase transition 1	16	p13.13
ENSG00000082196	C1QTNF3	C1q and tumor necrosis factor related protein 3	5	p13.2
ENSG00000010610	CD4	CD4 molecule	12	p13.31
ENSG00000048462	TNFRSF17	tumor necrosis factor receptor superfamily, member 17	16	p13.13
ENSG00000127863	TNFRSF19	tumor necrosis factor receptor superfamily, member 19	13	q12.12
ENSG00000074660	SCARF1	scavenger receptor class F, member 1	17	p13.3
ENSG00000175595	ERCC4	excision repair cross-complementing rodent repair deficiency, complementation group 4	16	p13.12
ENSG00000198535	C2CD4A	C2 calcium-dependent domain containing 4A	15	q22.2
ENSG00000205502	C2CD4B	C2 calcium-dependent domain containing 4B	15	q22.2
ENSG00000171914	TLN2	talin 2	15	q22.2
ENSG00000165533	TTC8	tetratricopeptide repeat domain 8	14	q31.3
ENSG00000099875	MKNK2	MAP kinase interacting serine/threonine kinase 2	19	p13.3
ENSG00000140416	TPM1	tropomyosin 1 (alpha)	15	q22.2
ENSG00000103429	BFAR	bifunctional apoptosis regulator	16	p13.12
ENSG00000146676	PURB	purine-rich element binding protein B	7	p13
ENSG00000205863	C1QTNF9B	C1q and tumor necrosis factor related protein 9B	13	q12.12
ENSG00000069764	PLA2G10	phospholipase A2, group X	16	p13.12
ENSG00000197892	KIF13B	kinesin family member 13B	8	p12
ENSG00000185561	TLCD2	TLC domain containing 2	17	p13.3
ENSG00000136280	CCM2	cerebral cavernous malformation 2	7	p13
ENSG00000167711	SERPINF2	serpin peptidase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 2	17	p13.3
ENSG00000136270	TBRG4	transforming growth factor beta regulator 4	7	p13
ENSG00000122679	RAMP3	receptor (G protein-coupled) activity modifying protein 3	7	p13
ENSG00000104660	LEPROTL1	leptin receptor overlapping transcript-like 1	8	p12
ENSG00000185088	RPS27L	ribosomal protein S27-like	15	q22.2
ENSG00000111679	PTPN6	protein tyrosine phosphatase, non-receptor type 6	12	p13.31
ENSG00000138613	APH1B	anterior pharynx defective 1 homolog B (C. elegans)	15	q22.2

ENSG00000100764	PSMC1	proteasome (prosome, macropain) 26S subunit, ATPase, 1	14 q32.11
ENSG00000185627	PSMD13	proteasome (prosome, macropain) 26S subunit, non-ATPase, 13	11 p15.5
ENSG00000113494	PRLR	prolactin receptor	5 p13.2
ENSG00000146674	IGFBP3	insulin-like growth factor binding protein 3	7 p12.3
ENSG00000104899	AMH	anti-Mullerian hormone	19 p13.3
ENSG00000182326	C1S	complement component 1, s subcomponent	12 p13.31
ENSG00000159403	C1R	complement component 1, r subcomponent	12 p13.31
ENSG00000139178	C1RL	complement component 1, r subcomponent-like	12 p13.31
ENSG00000158683	PKD1L1	polycystic kidney disease 1 like 1	7 p12.3
ENSG00000104695	PPP2CB	protein phosphatase 2, catalytic subunit, beta isozyme	8 p12
ENSG00000139182	CLSTN3	calsyntenin 3	12 p13.31
ENSG00000100784	RPS6KA5	ribosomal protein S6 kinase, 90kDa, polypeptide 5	14 q32.11
ENSG00000165392	WRN	Werner syndrome, RecQ helicase-like	8 p12
ENSG00000035664	DAPK2	death-associated protein kinase 2	15 q22.31
ENSG00000142102	ATHL1	ATH1, acid trehalase-like 1 (yeast)	11 p15.5
ENSG00000167720	SRR	serine racemase	17 p13.3
ENSG00000168685	IL7R	interleukin 7 receptor	5 p13.2
ENSG00000099860	GADD45B	growth arrest and DNA-damage-inducible, beta	19 p13.3
ENSG00000206013	IFITM5	interferon induced transmembrane protein 5	11 p15.5
ENSG00000157168	NRG1	neuregulin 1	8 p12
ENSG00000185201	IFITM2	interferon induced transmembrane protein 2	11 p15.5
ENSG00000028528	SNX1	sorting nexin 1	15 q22.31
ENSG00000185885	IFITM1	interferon induced transmembrane protein 1	11 p15.5
ENSG00000177675	CD163L1	CD163 molecule-like 1	12 p13.31
ENSG00000142089	IFITM3	interferon induced transmembrane protein 3	11 p15.5
ENSG00000070444	MNT	MNT, MAX dimerization protein	17 p13.3
ENSG00000177575	CD163	CD163 molecule	12 p13.31
ENSG00000172009	THOP1	thimet oligopeptidase 1	19 p13.3
ENSG00000184363	PKP3	plakophilin 3	11 p15.5
ENSG00000185811	IKZF1	IKAROS family zinc finger 1 (Ikaros)	7 p12.2
ENSG00000007168	PAFAH1B1	platelet-activating factor acetylhydrolase 1b, regulatory subunit 1 (45kDa)	17 p13.3
ENSG00000184344	GDF3	growth differentiation factor 3	12 p13.31

ENSG00000185187	SIGIRR	single immunoglobulin and toll-interleukin 1 receptor (TIR) domain	11 p15.5
ENSG00000140092	FBLN5	fibulin 5	14 q32.12
ENSG00000079215	SLC1A3	solute carrier family 1 (glial high affinity glutamate transporter), member 3	5 p13.2
ENSG00000184166	OR1D2	olfactory receptor, family 1, subfamily D, member 2	17 p13.3
ENSG00000187288	CIDEc	cell death-inducing DFFA-like effector c	3 p25.3
ENSG00000156687	UNC5D	unc-5 homolog D (C. elegans)	8 p12
ENSG00000104964	AES	amino-terminal enhancer of split	19 p13.3
ENSG00000164190	NIPBL	Nipped-B homolog (Drosophila)	5 p13.2
ENSG00000171860	C3AR1	complement component 3a receptor 1	12 p13.31
ENSG00000163701	IL17RE	interleukin 17 receptor E	3 p25.3
ENSG00000089818	NECAP1	NECAP endocytosis associated 1	12 p13.31
ENSG00000111729	CLEC4A	C-type lectin domain family 4, member A	12 p13.31
ENSG00000174775	HRAS	v-Ha-ras Harvey rat sarcoma viral oncogene homolog	11 p15.5
ENSG00000090487	SPG21	spastic paraplegia 21 (autosomal recessive, Mast syndrome)	15 q22.31
ENSG00000146648	EGFR	epidermal growth factor receptor	7 p11.2
ENSG00000163702	IL17RC	interleukin 17 receptor C	3 p25.3
ENSG00000090470	PDCD7	programmed cell death 7	15 q22.31
ENSG00000100599	RIN3	Ras and Rab interactor 3	14 q32.12
ENSG00000103489	XYLT1	xylosyltransferase I	16 p12.3
ENSG00000168621	GDNF	glial cell derived neurotrophic factor	5 p13.2
ENSG00000176826	FKBP9L	FK506 binding protein 9-like	7 p11.2
ENSG00000185507	IRF7	interferon regulatory factor 7	11 p15.5
ENSG00000074966	TXK	TXK tyrosine kinase	4 p12
ENSG00000188778	ADRB3	adrenoceptor beta 3	8 p11.23
ENSG00000174498	IGDCC3	immunoglobulin superfamily, DCC subclass, member 3	15 q22.31
ENSG00000111732	AICDA	activation-induced cytidine deaminase	12 p13.31
ENSG00000103742	IGDCC4	immunoglobulin superfamily, DCC subclass, member 4	15 q22.31
ENSG00000135605	TEC	tec protein tyrosine kinase	4 p11
ENSG00000099834	CDHR5	cadherin-related family member 5	11 p15.5
ENSG00000165943	MOAP1	modulator of apoptosis 1	14 q32.12
ENSG00000147465	STAR	steroidogenic acute regulatory protein	8 p11.23
ENSG00000156735	BAG4	BCL2-associated athanogene 4	8 p11.23

ENSG00000113594	LIFR	leukemia inhibitory factor receptor alpha	5	p13.1
ENSG00000003056	M6PR	mannose-6-phosphate receptor (cation dependent)	12	p13.31
ENSG00000069696	DRD4	dopamine receptor D4	11	p15.5
ENSG00000167186	COQ7	coenzyme Q7 homolog, ubiquinone (yeast)	16	p12.3
ENSG00000144554	FANCD2	Fanconi anemia, complementation group D2	3	p25.3
ENSG00000139187	KLRG1	killer cell lectin-like receptor subfamily G, member 1	12	p13.31
ENSG00000145623	OSMR	oncostatin M receptor	5	p13.1
ENSG00000175899	A2M	alpha-2-macroglobulin	12	p13.31
ENSG00000103769	RAB11A	RAB11A, member RAS oncogene family	15	q22.31
ENSG00000082074	FYB	FYN binding protein	5	p13.1
ENSG00000083457	ITGAE	integrin, alpha E (antigen CD103, human mucosal lymphocyte antigen 1; alpha polypeptide)	17	p13.2
ENSG00000077782	FGFR1	fibroblast growth factor receptor 1	8	p11.23
ENSG00000134086	VHL	von Hippel-Lindau tumor suppressor, E3 ubiquitin protein ligase	3	p25.3
ENSG00000103540	CCP110	centriolar coiled coil protein 110kDa	16	p12.3
ENSG00000177602	GSG2	germ cell associated 2 (haspin)	17	p13.2
ENSG00000113600	C9	complement component 9	5	p13.1
ENSG00000134070	IRAK2	interleukin-1 receptor-associated kinase 2	3	p25.3
ENSG00000165948	IFI27L1	interferon, alpha-inducible protein 27-like 1	14	q32.12
ENSG00000165949	IFI27	interferon, alpha-inducible protein 27	14	q32.12
ENSG00000157017	GHRL	ghrelin/obestatin prepropeptide	3	p25.3
ENSG00000119632	IFI27L2	interferon, alpha-inducible protein 27-like 2	14	q32.12
ENSG00000169032	MAP2K1	mitogen-activated protein kinase kinase 1	15	q22.31
ENSG00000077009	ITGB1BP3	nicotinamide riboside kinase 2	19	p13.3
ENSG00000110848	CD69	CD69 molecule	12	p13.31
ENSG00000177595	PIDD	p53-induced death domain protein	11	p15.5
ENSG00000167657	DAPK3	death-associated protein kinase 3	19	p13.3
ENSG00000171522	PTGER4	prostaglandin E receptor 4 (subtype EP4)	5	p13.1
ENSG00000150045	KLRF1	killer cell lectin-like receptor subfamily F, member 1	12	p13.31
ENSG00000197249	SERPINA1	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 1	14	q32.13
ENSG00000108405	P2RX1	purinergic receptor P2X, ligand-gated ion channel, 1	17	p13.2
ENSG00000174442	ZWILCH	Zwilch, kinetochore associated, homolog (Drosophila)	15	q22.31
ENSG00000132356	PRKAA1	protein kinase, AMP-activated, alpha 1 catalytic subunit	5	p13.1

ENSG00000169344	UMOD	uromodulin	16	p12.3
ENSG00000137834	SMAD6	SMAD family member 6	15	q22.31
ENSG00000166949	SMAD3	SMAD family member 3	15	q22.33
ENSG00000168615	ADAM9	ADAM metallopeptidase domain 9	8	p11.22
ENSG00000184178	SCFD2	sec1 family domain containing 2	4	q12
ENSG00000177697	CD151	CD151 molecule (Raph blood group)	11	p15.5
ENSG00000196136	SERPINA3	serpin peptidase inhibitor, clade A (alpha-1 antiproteinase, antitrypsin), member 3	14	q32.13
ENSG00000172243	CLEC7A	C-type lectin domain family 7, member A	12	p13.2
ENSG00000132357	CARD6	caspase recruitment domain family, member 6	5	p13.1
ENSG00000112936	C7	complement component 7	5	p13.1
ENSG00000105246	EBI3	Epstein-Barr virus induced 3	19	p13.3
ENSG00000039537	C6	complement component 6	5	p13.1
ENSG00000173391	OLR1	oxidized low density lipoprotein (lectin-like) receptor 1	12	p13.2
ENSG00000104755	ADAM2	ADAM metallopeptidase domain 2	8	p11.22
ENSG00000183020	AP2A2	adaptor-related protein complex 2, alpha 2 subunit	11	p15.5
ENSG00000196639	HRH1	histamine receptor H1	3	p25.3
ENSG00000167664	TMIGD2	transmembrane and immunoglobulin domain containing 2	19	p13.3
ENSG00000154710	RABGEF1	RAB guanine nucleotide exchange factor (GEF) 1	7	q11.21
ENSG00000131203	IDO1	indoleamine 2,3-dioxygenase 1	8	p11.21
ENSG00000187621	TCL6	T-cell leukemia/lymphoma 6 (non-protein coding)	14	q32.13
ENSG00000176907	C8orf4	chromosome 8 open reading frame 4	8	p11.21
ENSG00000134853	PDGFRA	platelet-derived growth factor receptor, alpha polypeptide	4	q12
ENSG00000188215	DCUN1D3	DCN1, defective in cullin neddylation 1, domain containing 3 (<i>S. cerevisiae</i>)	16	p12.3
ENSG00000141985	SH3GL1	SH3-domain GRB2-like 1	19	p13.3
ENSG00000104332	SFRP1	secreted frizzled-related protein 1	8	p11.21
ENSG00000183542	KLRC4	killer cell lectin-like receptor subfamily C, member 4	12	p13.2
ENSG00000126524	SBDS	Shwachman-Bodian-Diamond syndrome	7	q11.21
ENSG00000117983	MUC5B	mucin 5B, oligomeric mucus/gel-forming	11	p15.5
ENSG00000157150	TIMP4	TIMP metallopeptidase inhibitor 4	3	p25.2
ENSG00000112964	GHR	growth hormone receptor	5	p13.1
ENSG00000100721	TCL1A	T-cell leukemia/lymphoma 1A	14	q32.13
ENSG00000205810	KLRC3	killer cell lectin-like receptor subfamily C, member 3	12	p13.2

ENSG00000169018	FEM1B	fem-1 homolog b (<i>C. elegans</i>)	15	q23
ENSG00000132170	PPARG	peroxisome proliferator-activated receptor gamma	3	p25.2
ENSG00000137809	ITGA11	integrin, alpha 11	15	q23
ENSG00000157404	KIT	v-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homolog	4	q12
ENSG00000168398	BDKRB2	bradykinin receptor B2	14	q32.2
ENSG00000205809	KLRC2	killer cell lectin-like receptor subfamily C, member 2	12	p13.2
ENSG00000100739	BDKRB1	bradykinin receptor B1	14	q32.2
ENSG00000171236	LRG1	leucine-rich alpha-2-glycoprotein 1	19	p13.3
ENSG00000029534	ANK1	ankyrin 1, erythrocytic	8	p11.21
ENSG00000078902	TOLLIP	toll interacting protein	11	p15.5
ENSG00000128052	KDR	kinase insert domain receptor (a type III receptor tyrosine kinase)	4	q12
ENSG00000185361	TNFAIP8L1	tumor necrosis factor, alpha-induced protein 8-like 1	19	p13.3
ENSG00000137808	NOX5	NADPH oxidase 5 isoform 3	15	q23
ENSG00000141480	ARRB2	arrestin, beta 2	17	p13.2
ENSG00000151882	CCL28	chemokine (C-C motif) ligand 28	5	p12
ENSG00000132155	RAF1	v-raf-1 murine leukemia viral oncogene homolog 1	3	p25.2
ENSG00000060138	CSDA	cold shock domain protein A	12	p13.2
ENSG00000140749	IGSF6	immunoglobulin superfamily, member 6	16	p12.2
ENSG00000127152	BCL11B	B-cell CLL/lymphoma 11B (zinc finger protein)	14	q32.2
ENSG00000161921	CXCL16	chemokine (C-X-C motif) ligand 16	17	p13.2
ENSG00000127666	TICAM1	toll-like receptor adaptor molecule 1	19	p13.3
ENSG00000137831	UACA	uveal autoantigen with coiled-coil domains and ankyrin repeats	15	q23
ENSG00000182487	NCF1B	neutrophil cytosolic factor 1B pseudogene	7	q11.23
ENSG00000117984	CTSD	cathepsin D	11	p15.5
ENSG00000142507	PSMB6	proteasome (prosome, macropain) subunit, beta type, 6	17	p13.2
ENSG00000083168	KAT6A	K(lysine) acetyltransferase 6A	8	p11.21
ENSG00000090989	EXOC1	exocyst complex component 1	4	q12
ENSG00000129219	PLD2	phospholipase D2	17	p13.2
ENSG00000105426	PTPRS	protein tyrosine phosphatase, receptor type, S	19	p13.3
ENSG00000104368	PLAT	plasminogen activator, tissue	8	p11.21
ENSG00000077800	FKBP6	FK506 binding protein 6, 36kDa	7	q11.23
ENSG00000154764	WNT7A	wingless-type MMTV integration site family, member 7A	3	p25.1

ENSG00000070193	FGF10	fibroblast growth factor 10	5 p12
ENSG00000122025	FLT3	fms-related tyrosine kinase 3	13 q12.2
ENSG00000112996	MRPS30	mitochondrial ribosomal protein S30	5 p12
ENSG00000106635	BCL7B	B-cell CLL/lymphoma 7B	7 q11.23
ENSG00000141503	MINK1	misshapen-like kinase 1	17 p13.2
ENSG00000130598	TNNI2	troponin I type 2 (skeletal, fast)	11 p15.5
ENSG00000104365	IKBKB	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta	8 p11.21
ENSG00000154767	XPC	xeroderma pigmentosum, complementation group C	3 p25.1
ENSG00000121380	BCL2L14	BCL2-like 14 (apoptosis facilitator)	12 p13.2
ENSG00000009950	MLXIPL	MLX interacting protein-like	7 q11.23
ENSG00000170571	EMB	embigin	5 q11.1
ENSG00000070018	LRP6	low density lipoprotein receptor-related protein 6	12 p13.2
ENSG00000070501	POLB	polymerase (DNA directed), beta	8 p11.21
ENSG00000130592	LSP1	lymphocyte-specific protein 1	11 p15.5
ENSG00000067225	PKM2	pyruvate kinase, muscle	15 q23
ENSG00000185245	GP1BA	glycoprotein 1b (platelet), alpha polypeptide	17 p13.2
ENSG00000132963	POMP	proteasome maturation protein	13 q12.3
ENSG00000106089	STX1A	syntaxin 1A (brain)	7 q11.23
ENSG00000111276	CDKN1B	cyclin-dependent kinase inhibitor 1B (p27, Kip1)	12 p13.1
ENSG00000164171	ITGA2	integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 receptor)	5 q11.2
ENSG00000130595	TNNT3	troponin T type 3 (skeletal, fast)	11 p15.5
ENSG00000131931	THAP1	THAP domain containing, apoptosis associated protein 1	8 p11.21
ENSG00000165215	CLDN3	claudin 3	7 q11.23
ENSG00000189143	CLDN4	claudin 4	7 q11.23
ENSG00000078304	PPP2R5C	protein phosphatase 2, regulatory subunit B', gamma	14 q32.31
ENSG00000168522	FNTA	farnesyltransferase, CAAX box, alpha	8 p11.21
ENSG00000163453	IGFBP7	insulin-like growth factor binding protein 7	4 q12
ENSG00000171119	NRTN	neurturin	19 p13.3
ENSG00000113088	GZMK	granzyme K (granzyme 3; tryptase II)	5 q11.2
ENSG00000134398	ERN2	endoplasmic reticulum to nucleus signaling 2	16 p12.2
ENSG00000167244	IGF2	insulin-like growth factor 2 (somatomedin A)	11 p15.5
ENSG00000145649	GZMA	granzyme A (granzyme 1, cytotoxic T-lymphocyte-associated serine esterase 3)	5 q11.2

ENSG00000140463	BBS4	Bardet-Biedl syndrome 4	15 q24.1
ENSG00000171124	FUT3	fucosyltransferase 3 (galactoside 3(4)-L-fucosyltransferase, Lewis blood group)	19 p13.3
ENSG00000166501	PRKCB	protein kinase C, beta	16 p12.2
ENSG00000067141	NEO1	neogenin 1	15 q24.1
ENSG00000086730	LAT2	linker for activation of T cells family, member 2	7 q11.23
ENSG00000087903	RFX2	regulatory factor X, 2 (influences HLA class II expression)	19 p13.3
ENSG00000189403	HMGB1	high mobility group box 1	13 q12.3
ENSG00000156642	NPTN	neuroplastin	15 q24.1
ENSG00000067113	PPAP2A	phosphatidic acid phosphatase type 2A	5 q11.2
ENSG00000130382	MLLT1	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 1	19 p13.3
ENSG00000103855	CD276	CD276 molecule	15 q24.1
ENSG00000131323	TRAF3	TNF receptor-associated factor 3	14 q32.32
ENSG00000111339	ART4	ADP-ribosyltransferase 4 (Dombrock blood group)	12 p12.3
ENSG00000029725	RABEP1	rabaptin, RAB GTPase binding effector protein 1	17 p13.2
ENSG00000158865	SLC5A11	solute carrier family 5 (sodium/glucose cotransporter), member 11	16 p12.1
ENSG00000099869	IGF2-AS	IGF2 antisense RNA	11 p15.5
ENSG00000111348	ARHGDI1B	Rho GDP dissociation inhibitor (GDI) beta	12 p12.3
ENSG00000140750	ARHGAP17	Rho GTPase activating protein 17	16 p12.1
ENSG00000164509	IL31RA	interleukin 31 receptor A	5 q11.2
ENSG00000129965	INS-IGF2	INS-IGF2 readthrough	11 p15.5
ENSG00000185215	TNFAIP2	tumor necrosis factor, alpha-induced protein 2	14 q32.32
ENSG00000140464	PML	promyelocytic leukemia	15 q24.1
ENSG00000023287	RB1CC1	RB1-inducible coiled-coil 1	8 q11.23
ENSG00000108561	C1QBP	complement component 1, q subcomponent binding protein	17 p13.2
ENSG00000134352	IL6ST	interleukin 6 signal transducer (gp130, oncostatin M receptor)	5 q11.2
ENSG00000075413	MARK3	MAP/microtubule affinity-regulating kinase 3	14 q32.32
ENSG00000182568	SATB1	SATB homeobox 1	3 p24.3
ENSG00000158517	NCF1	neutrophil cytosolic factor 1	7 q11.23
ENSG00000183960	KCNH8	potassium voltage-gated channel, subfamily H (eag-related), member 8	3 p24.3
ENSG00000047249	ATP6V1H	ATPase, H ⁺ transporting, lysosomal 50/57kDa, V1 subunit H	8 q11.23
ENSG00000125657	TNFSF9	tumor necrosis factor (ligand) superfamily, member 9	19 p13.3
ENSG00000125726	CD70	CD70 molecule	19 p13.3

ENSG00000144566	RAB5A	RAB5A, member RAS oncogene family	3	p24.3
ENSG00000125735	TNFSF14	tumor necrosis factor (ligand) superfamily, member 14	19	p13.3
ENSG00000166170	BAG5	BCL2-associated athanogene 5	14	q32.33
ENSG00000008394	MGST1	microsomal glutathione S-transferase 1	12	p12.3
ENSG00000125730	C3	complement component 3	19	p13.3
ENSG00000077238	IL4R	interleukin 4 receptor	16	p12.1
ENSG00000167178	ISLR2	immunoglobulin superfamily containing leucine-rich repeat 2	15	q24.1
ENSG00000091592	NLRP1	NLR family, pyrin domain containing 1	17	p13.2
ENSG00000129009	ISLR	immunoglobulin superfamily containing leucine-rich repeat	15	q24.1
ENSG00000103522	IL21R	interleukin 21 receptor	16	p12.1
ENSG00000125733	TRIP10	thyroid hormone receptor interactor 10	19	p13.3
ENSG00000129221	AIPL1	aryl hydrocarbon receptor interacting protein-like 1	17	p13.2
ENSG00000095015	MAP3K1	mitogen-activated protein kinase kinase kinase 1, E3 ubiquitin protein ligase	5	q11.2
ENSG00000133105	RXFP2	relaxin/insulin-like family peptide receptor 2	13	q13.1
ENSG00000141968	VAV1	vav 1 guanine nucleotide exchange factor	19	p13.3
ENSG00000126215	XRCC3	X-ray repair complementing defective repair in Chinese hamster cells 3	14	q32.33
ENSG00000206579	XKR4	XK, Kell blood group complex subunit-related family, member 4	8	q12.1
ENSG00000138623	SEMA7A	semaphorin 7A, GPI membrane anchor (John Milton Hagen blood group)	15	q24.1
ENSG00000138629	UBL7	ubiquitin-like 7 (bone marrow stromal cell-derived)	15	q24.1
ENSG00000088808	PPP1R13B	protein phosphatase 1, regulatory subunit 13B	14	q32.33
ENSG00000174837	EMR1	egf-like module containing, mucin-like, hormone receptor-like 1	19	p13.3
ENSG00000172572	PDE3A	phosphodiesterase 3A, cGMP-inhibited	12	p12.2
ENSG00000151090	THRB	thyroid hormone receptor, beta	3	p24.2
ENSG00000129235	TXNDC17	thioredoxin domain containing 17	17	p13.1
ENSG00000146722	LOC541473	FK506 binding protein 6, 36kDa pseudogene (LOC541473), non-coding RNA	7	q11.23
ENSG00000188603	CLN3	ceroid-lipofuscinosis, neuronal 3	16	p12.1
ENSG00000110651	CD81	CD81 molecule	11	p15.5
ENSG00000140465	CYP1A1	cytochrome P450, family 1, subfamily A, polypeptide 1	15	q24.1
ENSG00000077092	RARB	retinoic acid receptor, beta	3	p24.2
ENSG00000171105	INSR	insulin receptor	19	p13.2
ENSG00000187689	AMTN	amelotin	4	q13.3
ENSG00000178522	AMBN	ameloblastin (enamel matrix protein)	4	q13.3

ENSG00000175857	GAPT	GRB2-binding adaptor protein, transmembrane	5 q11.2
ENSG00000152932	RAB3C	RAB3C, member RAS oncogene family	5 q11.2
ENSG00000077097	TOP2B	topoisomerase (DNA) II beta 180kDa	3 p24.2
ENSG00000132530	XAF1	XIAP associated factor 1	17 p13.1
ENSG00000132465	IGJ	immunoglobulin J polypeptide, linker protein for immunoglobulin alpha and mu polypeptides	4 q13.3
ENSG00000127946	HIP1	huntingtin interacting protein 1	7 q11.23
ENSG00000184990	SIVA1	SIVA1, apoptosis-inducing factor	14 q32.33
ENSG00000104880	ARHGEF18	Rho/Rac guanine nucleotide exchange factor (GEF) 18	19 p13.2
ENSG00000139618	BRCA2	breast cancer 2, early onset	13 q13.1
ENSG00000137575	SDCBP	syndecan binding protein (syntenin)	8 q12.1
ENSG00000142208	AKT1	v-akt murine thymoma viral oncogene homolog 1	14 q32.33
ENSG00000006606	CCL26	chemokine (C-C motif) ligand 26	7 q11.23
ENSG00000121351	IAPP	islet amyloid polypeptide	12 p12.1
ENSG00000106178	CCL24	chemokine (C-C motif) ligand 24	7 q11.23
ENSG00000198846	TOX	thymocyte selection-associated high mobility group box	8 q12.1
ENSG00000197272	IL27	interleukin 27	16 p11.2
ENSG00000108839	ALOX12	arachidonate 12-lipoxygenase	17 p13.1
ENSG00000176046	NUPR1	nuclear protein, transcriptional regulator, 1	16 p11.2
ENSG00000049167	ERCC8	excision repair cross-complementing rodent repair deficiency, complementation group 8	5 q12.1
ENSG00000171316	CHD7	chromodomain helicase DNA binding protein 7	8 q12.2
ENSG00000198794	SCAMP5	secretory carrier membrane protein 5	15 q24.2
ENSG00000161940	BCL6B	B-cell CLL/lymphoma 6, member B	17 p13.1
ENSG00000184916	JAG2	jagged 2	14 q32.33
ENSG00000076826	CAMSAP3	calmodulin regulated spectrin-associated protein family, member 3	19 p13.2
ENSG00000121361	KCNJ8	potassium inwardly-rectifying channel, subfamily J, member 8	12 p12.1
ENSG00000106211	HSPB1	heat shock 27kDa protein 1	7 q11.23
ENSG00000163508	EOMES	eomesodermin	3 p24.1
ENSG00000076944	STXBP2	syntaxin binding protein 2	19 p13.2
ENSG00000170027	YWHAG	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, gamma polypeptide	7 q11.23
ENSG00000132514	CLEC10A	C-type lectin domain family 10, member A	17 p13.1
ENSG00000161944	ASGR2	asialoglycoprotein receptor 2	17 p13.1
ENSG00000104918	RETN	resistin	19 p13.2

ENSG00000104921	FCER2	Fc fragment of IgE, low affinity II, receptor for (CD23)	19	p13.2
ENSG00000129757	CDKN1C	cyclin-dependent kinase inhibitor 1C (p57, Kip2)	11	p15.4
ENSG00000111726	CMAS	cytidine monophosphate N-acetylneuraminic acid synthetase	12	p12.1
ENSG00000163513	TGFBR2	transforming growth factor, beta receptor II (70/80kDa)	3	p24.1
ENSG00000141505	ASGR1	asialoglycoprotein receptor 1	17	p13.1
ENSG00000179364	PACS2	phosphofurin acidic cluster sorting protein 2	14	q32.33
ENSG00000169375	SIN3A	SIN3 transcription regulator homolog A (yeast)	15	q24.2
ENSG00000090659	CD209	CD209 molecule	19	p13.2
ENSG00000163631	ALB	albumin	4	q13.3
ENSG00000196296	ATP2A1	ATPase, Ca ⁺⁺ transporting, cardiac muscle, fast twitch 1	16	p11.2
ENSG00000104938	CLEC4M	C-type lectin domain family 4, member M	19	p13.2
ENSG00000170293	CMTM8	CKLF-like MARVEL transmembrane domain containing 8	3	p22.3
ENSG00000153551	CMTM7	CKLF-like MARVEL transmembrane domain containing 7	3	p22.3
ENSG00000177548	RABEP2	rabaptin, RAB GTPase binding effector protein 2	16	p11.2
ENSG00000091317	CMTM6	CKLF-like MARVEL transmembrane domain containing 6	3	p22.3
ENSG00000118308	LRMP	lymphoid-restricted membrane protein	12	p12.1
ENSG00000181649	PHLDA2	pleckstrin homology-like domain, family A, member 2	11	p15.4
ENSG00000147571	CRH	corticotropin releasing hormone	8	q13.1
ENSG00000177455	CD19	CD19 molecule	16	p11.2
ENSG00000176953	NFATC2IP	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 2 interacting protein	16	p11.2
ENSG00000169435	RASSF6	Ras association (RalGDS/AF-6) domain family member 6	4	q13.3
ENSG00000133703	KRAS	v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog	12	p12.1
ENSG00000183813	CCR4	chemokine (C-C motif) receptor 4	3	p22.3
ENSG00000169429	IL8	interleukin 8	4	q13.3
ENSG00000104205	SGK3	serum/glucocorticoid regulated kinase family, member 3	8	q13.1
ENSG00000124875	CXCL6	chemokine (C-X-C motif) ligand 6	4	q13.3
ENSG00000135218	CD36	CD36 molecule (thrombospondin receptor)	7	q21.11
ENSG00000109272	PF4V1	platelet factor 4 variant 1	4	q13.3
ENSG00000181885	CLDN7	claudin 7	17	p13.1
ENSG00000173705	SUSD5	sushi domain containing 5	3	p22.3
ENSG00000163739	CXCL1	chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha)	4	q13.3
ENSG00000075223	SEMA3C	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C	7	q21.11

ENSG00000163737	PF4	platelet factor 4	4	q13.3
ENSG00000123096	SSPN	sarcospan	12	p12.1
ENSG00000140368	PSTPIP1	proline-serine-threonine phosphatase interacting protein 1	15	q24.3
ENSG00000163736	PPBP	pro-platelet basic protein (chemokine (C-X-C motif) ligand 7)	4	q13.3
ENSG00000153560	UBP1	upstream binding protein 1 (LBP-1a)	3	p22.3
ENSG00000181856	SLC2A4	solute carrier family 2 (facilitated glucose transporter), member 4	17	p13.1
ENSG0000019991	HGF	hepatocyte growth factor (hepapoietin A; scatter factor)	7	q21.11
ENSG00000123104	ITPR2	inositol 1,4,5-trisphosphate receptor, type 2	12	p11.23
ENSG00000163735	CXCL5	chemokine (C-X-C motif) ligand 5	4	q13.3
ENSG00000131142	CCL25	chemokine (C-C motif) ligand 25	19	p13.2
ENSG00000163734	CXCL3	chemokine (C-X-C motif) ligand 3	4	q13.3
ENSG00000081041	CXCL2	chemokine (C-X-C motif) ligand 2	4	q13.3
ENSG00000132507	EIF5A	eukaryotic translation initiation factor 5A	17	p13.1
ENSG00000066777	ARFGEF1	ADP-ribosylation factor guanine nucleotide-exchange factor 1 (brefeldin A-inhibited)	8	q13.2
ENSG00000124882	EREG	epiregulin	4	q13.3
ENSG00000170248	PDCD6IP	programmed cell death 6 interacting protein	3	p22.3
ENSG00000109321	AREG	amphiregulin	4	q13.3
ENSG00000112851	ERBB2IP	erbb2 interacting protein	5	q12.3
ENSG00000186472	PCLO	piccolo (presynaptic cytomatrix protein)	7	q21.11
ENSG00000136425	CIB2	calcium and integrin binding family member 2	15	q25.1
ENSG00000211455	STK38L	serine/threonine kinase 38 like	12	p11.23
ENSG00000174808	BTC	betacellulin	4	q13.3
ENSG00000197471	SPN	sialophorin	16	p11.2
ENSG00000170381	SEMA3E	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3E	7	q21.11
ENSG00000167775	CD320	CD320 molecule	19	p13.2
ENSG00000075213	SEMA3A	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3A	7	q21.11
ENSG00000110841	PPFIBP1	PTPRF interacting protein, binding protein 1 (liprin beta 1)	12	p11.23
ENSG00000076242	MLH1	mutL homolog 1, colon cancer, nonpolyposis type 2 (E. coli)	3	p22.2
ENSG00000153993	SEMA3D	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3D	7	q21.11
ENSG00000120693	SMAD9	SMAD family member 9	13	q13.3
ENSG00000148985	PGAP2	post-GPI attachment to proteins 2	11	p15.4
ENSG00000167772	ANGPTL4	angiopoietin-like 4	19	p13.2

ENSG00000137573	SULF1	sulfatase 1	8	q13.2
ENSG00000099785	MARCH2	membrane-associated ring finger (C3HC4) 2, E3 ubiquitin protein ligase	19	p13.2
ENSG00000041357	PSMA4	proteasome (prosome, macropain) subunit, alpha type, 4	15	q25.1
ENSG00000169992	NLGN2	neuroligin 2	17	p13.1
ENSG00000133246	PRAM1	PML-RARA regulated adaptor molecule 1	19	p13.2
ENSG00000134061	CD180	CD180 molecule	5	q12.3
ENSG00000133110	POSTN	periostin, osteoblast specific factor	13	q13.3
ENSG00000181284	TMEM102	transmembrane protein 102	17	p13.1
ENSG00000104313	EYA1	eyes absent homolog 1 (Drosophila)	8	q13.3
ENSG00000138755	CXCL9	chemokine (C-X-C motif) ligand 9	4	q21.1
ENSG00000144668	ITGA9	integrin, alpha 9	3	p22.2
ENSG00000149930	TAOK2	TAO kinase 2	16	p11.2
ENSG00000169245	CXCL10	chemokine (C-X-C motif) ligand 10	4	q21.1
ENSG00000169248	CXCL11	chemokine (C-X-C motif) ligand 11	4	q21.1
ENSG00000103811	CTSH	cathepsin H	15	q25.1
ENSG00000008277	ADAM22	ADAM metallopeptidase domain 22	7	q21.12
ENSG00000058335	RASGRF1	Ras protein-specific guanine nucleotide-releasing factor 1	15	q25.1
ENSG00000147601	TERF1	telomeric repeat binding factor (NIMA-interacting) 1	8	q21.11
ENSG00000138760	SCARB2	scavenger receptor class B, member 2	4	q21.1
ENSG00000181143	MUC16	mucin 16, cell surface associated	19	p13.2
ENSG00000149927	DOC2A	double C2-like domains, alpha	16	p11.2
ENSG00000161955	TNFSF13	tumor necrosis factor (ligand) superfamily, member 13	17	p13.1
ENSG00000127954	STEAP4	STEAP family member 4	7	q21.12
ENSG00000140379	BCL2A1	BCL2-related protein A1	15	q25.1
ENSG00000121039	RDH10	retinol dehydrogenase 10 (all-trans)	8	q21.11
ENSG00000157214	STEAP2	STEAP family member 2, metalloreductase	7	q21.13
ENSG00000172936	MYD88	myeloid differentiation primary response 88	3	p22.2
ENSG00000172379	ARNT2	aryl-hydrocarbon receptor nuclear translocator 2	15	q25.1
ENSG00000102882	MAPK3	mitogen-activated protein kinase 3	16	p11.2
ENSG00000172939	OXSRI	oxidative-stress responsive 1	3	p22.2
ENSG00000156234	CXCL13	chemokine (C-X-C motif) ligand 13	4	q21.1
ENSG00000102879	CORO1A	coronin, actin binding protein, 1A	16	p11.2

ENSG00000154589	LY96	lymphocyte antigen 96	8 q21.11
ENSG00000157224	CLDN12	claudin 12	7 q21.13
ENSG00000129226	CD68	CD68 molecule	17 p13.1
ENSG00000150893	FREM2	FRAS1 related extracellular matrix protein 2	13 q13.3
ENSG00000130508	PXDN	peroxidasin homolog (Drosophila)	2 p25.3
ENSG00000172349	IL16	interleukin 16	15 q25.1
ENSG00000169217	CD2BP2	CD2 (cytoplasmic tail) binding protein 2	16 p11.2
ENSG00000127445	PIN1	peptidylprolyl cis/trans isomerase, NIMA-interacting 1	19 p13.2
ENSG00000180209	MYLPF	myosin light chain, phosphorylatable, fast skeletal muscle	16 p11.2
ENSG00000138772	ANXA3	annexin A3	4 q21.21
ENSG00000104432	IL7	interleukin 7	8 q21.13
ENSG00000080573	COL5A3	collagen, type V, alpha 3	19 p13.2
ENSG00000005844	ITGAL	integrin, alpha L (antigen CD11A (p180), lymphocyte function-associated antigen 1; alpha polypeptide)	16 p11.2
ENSG00000139132	FGD4	FYVE, RhoGEF and PH domain containing 4	12 p11.21
ENSG00000167798	C3P1	complement component 3 precursor pseudogene	19 p13.2
ENSG00000076554	TPD52	tumor protein D52	8 q21.13
ENSG00000087470	DNM1L	dynamamin 1-like	12 p11.21
ENSG00000141510	TP53	tumor protein p53	17 p13.1
ENSG00000150907	FOXO1	forkhead box O1	13 q14.11
ENSG00000076641	PAG1	phosphoprotein associated with glycosphingolipid microdomains 1	8 q21.13
ENSG00000144655	CSRNP1	cysteine-serine-rich nuclear protein 1	3 p22.2
ENSG00000057294	PKP2	plakophilin 2	12 p11.21
ENSG00000152785	BMP3	bone morphogenetic protein 3	4 q21.21
ENSG00000168334	XIRP1	xin actin-binding repeat containing 1	3 p22.2
ENSG00000168329	CX3CR1	chemokine (C-X3-C motif) receptor 1	3 p22.2
ENSG00000103723	AP3B2	adaptor-related protein complex 3, beta 2 subunit	15 q25.2
ENSG00000179934	CCR8	chemokine (C-C motif) receptor 8	3 p22.1
ENSG00000170323	FABP4	fatty acid binding protein 4, adipocyte	8 q21.13
ENSG00000090339	ICAM1	intercellular adhesion molecule 1	19 p13.2
ENSG00000168028	RPSA	ribosomal protein SA	3 p22.1
ENSG00000105371	ICAM4	intercellular adhesion molecule 4 (Landsteiner-Wiener blood group)	19 p13.2

ENSG00000120690	ELF1	E74-like factor 1 (ets domain transcription factor)	13	q14.11
ENSG00000105376	ICAM5	intercellular adhesion molecule 5, telencephalin	19	p13.2
ENSG00000173208	ABCD2	ATP-binding cassette, sub-family D (ALD), member 2	12	q12
ENSG00000115738	ID2	inhibitor of DNA binding 2, dominant negative helix-loop-helix protein	2	p25.1
ENSG00000076662	ICAM3	intercellular adhesion molecule 3	19	p13.2
ENSG00000145284	SCD5	stearoyl-CoA desaturase 5	4	q21.22
ENSG00000099385	BCL7C	B-cell CLL/lymphoma 7C	16	p11.2
ENSG00000105397	TYK2	tyrosine kinase 2	19	p13.2
ENSG00000140600	SH3GL3	SH3-domain GRB2-like 3	15	q25.2
ENSG00000150281	CTF1	cardiotrophin 1	16	p11.2
ENSG00000188906	LRRK2	leucine-rich repeat kinase 2	12	q12
ENSG00000105401	CDC37	cell division cycle 37 homolog (<i>S. cerevisiae</i>)	19	p13.2
ENSG00000164692	COL1A2	collagen, type I, alpha 2	7	q21.3
ENSG00000168036	CTNNB1	catenin (cadherin-associated protein), beta 1, 88kDa	3	p22.1
ENSG00000170037	CNTROB	centrobin, centrosomal BRCA2 interacting protein	17	p13.1
ENSG00000018236	CNTN1	contactin 1	12	q12
ENSG00000119185	ITGB1BP1	integrin beta 1 binding protein 1	2	p25.1
ENSG00000099365	STX1B	syntaxin 1B	16	p11.2
ENSG00000103496	STX4	syntaxin 4	16	p11.2
ENSG00000123124	WWP1	WW domain containing E3 ubiquitin protein ligase 1	8	q21.3
ENSG00000179593	ALOX15B	arachidonate 15-lipoxygenase, type B	17	p13.1
ENSG00000187094	CCK	cholecystokinin	3	p22.1
ENSG00000049883	PTCD2	pentatricopeptide repeat domain 2	5	q13.2
ENSG00000151694	ADAM17	ADAM metallopeptidase domain 17	2	p25.1
ENSG00000103510	KAT8	K(lysine) acetyltransferase 8	16	p11.2
ENSG00000129355	CDKN2D	cyclin-dependent kinase inhibitor 2D (p19, inhibits CDK4)	19	p13.2
ENSG00000114857	NKTR	natural killer-tumor recognition sequence	3	p22.1
ENSG00000173157	ADAMTS20	ADAM metallopeptidase with thrombospondin type 1 motif, 20	12	q12
ENSG00000157107	FCHO2	FCH domain only 2	5	q13.2
ENSG00000104312	RIPK2	receptor-interacting serine-threonine kinase 2	8	q21.3
ENSG00000129351	ILF3	interleukin enhancer binding factor 3, 90kDa	19	p13.2
ENSG00000104320	NBN	nibrin	8	q21.3

ENSG00000103490	PYCARD	PYD and CARD domain containing	16 p11.2
ENSG00000198001	IRAK4	interleukin-1 receptor-associated kinase 4	12 q12
ENSG00000127922	SHFM1	split hand/foot malformation (ectrodactyly) type 1	7 q21.3
ENSG00000102780	DGKH	diacylglycerol kinase, eta	13 q14.11
ENSG00000177238	TRIM72	tripartite motif containing 72	16 p11.2
ENSG00000170776	AKAP13	A kinase (PRKA) anchor protein 13	15 q25.3
ENSG00000169900	PYDC1	PYD (pyrin domain) containing 1	16 p11.2
ENSG00000144648	CCBP2	chemokine binding protein 2	3 p22.1
ENSG00000169896	ITGAM	integrin, alpha M (complement component 3 receptor 3 subunit)	16 p11.2
ENSG00000006128	TAC1	tachykinin, precursor 1	7 q21.3
ENSG00000172059	KLF11	Kruppel-like factor 11	2 p25.1
ENSG00000079805	DNM2	dynamamin 2	19 p13.2
ENSG00000184613	NELL2	NEL-like 2 (chicken)	12 q12
ENSG00000140678	ITGAX	integrin, alpha X (complement component 3 receptor 4 subunit)	16 p11.2
ENSG00000023516	AKAP11	A kinase (PRKA) anchor protein 11	13 q14.11
ENSG00000070669	ASNS	asparagine synthetase (glutamine-hydrolyzing)	7 q21.3
ENSG00000178999	AURKB	aurora kinase B	17 p13.1
ENSG00000163788	SNRK	SNF related kinase	3 p22.1
ENSG00000156886	ITGAD	integrin, alpha D	16 p11.2
ENSG00000120659	TNFSF11	tumor necrosis factor (ligand) superfamily, member 11	13 q14.11
ENSG00000163629	PTPN13	protein tyrosine phosphatase, non-receptor type 13 (APO-1/CD95 (Fas)-associated phosphatase)	4 q21.3
ENSG00000140682	TGFB111	transforming growth factor beta 1 induced transcript 1	16 p11.2
ENSG00000140675	SLC5A2	solute carrier family 5 (sodium/glucose cotransporter), member 2	16 p11.2
ENSG00000110148	CCKBR	cholecystokinin B receptor	11 p15.4
ENSG00000170955	PRKCDBP	protein kinase C, delta binding protein	11 p15.4
ENSG00000181026	AEN	apoptosis enhancing nuclease	15 q26.1
ENSG00000166311	SMPD1	sphingomyelin phosphodiesterase 1, acid lysosomal	11 p15.4
ENSG00000172183	ISG20	interferon stimulated exonuclease gene 20kDa	15 q26.1
ENSG00000139211	AMIGO2	adhesion molecule with Ig-like domain 2	12 q13.11
ENSG00000157766	ACAN	aggrecan	15 q26.1
ENSG00000166313	APBB1	amyloid beta (A4) precursor protein-binding, family B, member 1 (Fe65)	11 p15.4
ENSG00000079112	CDH17	cadherin 17, LI cadherin (liver-intestine)	8 q22.1

ENSG00000130164	LDLR	low density lipoprotein receptor	19	p13.2
ENSG00000198742	SMURF1	SMAD specific E3 ubiquitin protein ligase 1	7	q22.1
ENSG00000140511	HAPLN3	hyaluronan and proteoglycan link protein 3	15	q26.1
ENSG00000079337	RAPGEF3	Rap guanine nucleotide exchange factor (GEF) 3	12	q13.11
ENSG00000110169	HPX	hemopexin	11	p15.4
ENSG00000140545	MFGE8	milk fat globule-EGF factor 8 protein	15	q26.1
ENSG00000130158	DOCK6	dedicator of cytokinesis 6	19	p13.2
ENSG00000061273	HDAC7	histone deacetylase 7	12	q13.11
ENSG00000152583	SPARCL1	SPARC-like 1 (hevin)	4	q22.1
ENSG00000105514	RAB3D	RAB3D, member RAS oncogene family	19	p13.2
ENSG00000140525	FANCI	Fanconi anemia, complementation group I	15	q26.1
ENSG00000133026	MYH10	myosin, heavy chain 10, non-muscle	17	p13.1
ENSG00000152592	DMP1	dentin matrix acidic phosphoprotein 1	4	q22.1
ENSG00000111424	VDR	vitamin D (1,25- dihydroxyvitamin D3) receptor	12	q13.11
ENSG00000029559	IBSP	integrin-binding sialoprotein	4	q22.1
ENSG00000164938	TP53INP1	tumor protein p53 inducible nuclear protein 1	8	q22.1
ENSG00000187266	EPOR	erythropoietin receptor	19	p13.2
ENSG00000118785	SPP1	secreted phosphoprotein 1	4	q22.1
ENSG00000133112	TPT1	tumor protein, translationally-controlled 1	13	q14.13
ENSG00000139219	COL2A1	collagen, type II, alpha 1	12	q13.11
ENSG00000156466	GDF6	growth differentiation factor 6	8	q22.1
ENSG00000166333	ILK	integrin-linked kinase	11	p15.4
ENSG00000152359	POC5	POC5 centriolar protein homolog (Chlamydomonas)	5	q13.3
ENSG00000130175	PRKCSH	protein kinase C substrate 80K-H	19	p13.2
ENSG00000166821	PEX11A	peroxisomal biogenesis factor 11 alpha	15	q26.1
ENSG00000166341	DCHS1	dachsous 1 (Drosophila)	11	p15.4
ENSG00000129636	ITFG1	integrin alpha FG-GAP repeat containing 1	16	q12.1
ENSG00000102575	ACP5	acid phosphatase 5, tartrate resistant	19	p13.2
ENSG00000134318	ROCK2	Rho-associated, coiled-coil containing protein kinase 2	2	p25.1
ENSG00000065320	NTN1	netrin 1	17	p13.1
ENSG00000181104	F2R	coagulation factor II (thrombin) receptor	5	q13.3
ENSG00000079387	SENP1	SUMO1/sentrin specific peptidase 1	12	q13.11

ENSG00000164251	F2RL1	coagulation factor II (thrombin) receptor-like 1	5	q13.3
ENSG00000173585	CCR9	chemokine (C-C motif) receptor 9	3	p21.31
ENSG00000164252	AGGF1	angiogenic factor with G patch and FHA domains 1	5	q13.3
ENSG00000185033	SEMA4B	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4B	15	q26.1
ENSG00000185043	CIB1	calcium and integrin binding 1 (calmyrin)	15	q26.1
ENSG00000172215	CXCR6	chemokine (C-X-C motif) receptor 6	3	p21.31
ENSG00000173578	XCR1	chemokine (C motif) receptor 1	3	p21.31
ENSG00000170743	SYT9	synaptotagmin IX	11	p15.4
ENSG00000104375	STK3	serine/threonine kinase 3	8	q22.2
ENSG00000145335	SNCA	synuclein, alpha (non A4 component of amyloid precursor)	4	q22.1
ENSG00000163823	CCR1	chemokine (C-C motif) receptor 1	3	p21.31
ENSG00000196470	SIAH1	siah E3 ubiquitin protein ligase 1	16	q12.1
ENSG00000183625	CCR3	chemokine (C-C motif) receptor 3	3	p21.31
ENSG00000167531	LALBA	lactalbumin, alpha-	12	q13.11
ENSG00000138722	MMRN1	multimerin 1	4	q22.1
ENSG00000121807	CCR2	chemokine (C-C motif) receptor 2	3	p21.31
ENSG00000160862	AZGP1	alpha-2-glycoprotein 1, zinc-binding	7	q22.1
ENSG00000160791	CCR5	chemokine (C-C motif) receptor 5 (gene/pseudogene)	3	p21.31
ENSG00000152208	GRID2	glutamate receptor, ionotropic, delta 2	4	q22.1
ENSG00000071575	TRIB2	tribbles homolog 2 (Drosophila)	2	p24.3
ENSG00000172238	ATOH1	atonal homolog 1 (Drosophila)	4	q22.2
ENSG00000197299	BLM	Bloom syndrome, RecQ helicase-like	15	q26.1
ENSG00000180855	ZNF443	zinc finger protein 443	19	p13.2
ENSG00000136167	LCP1	lymphocyte cytosolic protein 1 (L-plastin)	13	q14.13
ENSG00000166526	ZNF3	zinc finger protein 3	7	q22.1
ENSG00000121797	CCRL2	chemokine (C-C motif) receptor-like 2	3	p21.31
ENSG00000167535	CACNB3	calcium channel, voltage-dependent, beta 3 subunit	12	q13.12
ENSG00000140564	FURIN	furin (paired basic amino acid cleaving enzyme)	15	q26.1
ENSG00000163106	HPGDS	hematopoietic prostaglandin D synthase	4	q22.3
ENSG00000166402	TUB	tubby homolog (mouse)	11	p15.4
ENSG00000132842	AP3B1	adaptor-related protein complex 3, beta 1 subunit	5	q14.1

ENSG00000163110	PDLIM5	PDZ and LIM domain 5	4	q22.3
ENSG00000172602	RND1	Rho family GTPase 1	12	q13.12
ENSG00000134285	FKBP11	FK506 binding protein 11, 19 kDa	12	q13.12
ENSG00000167207	NOD2	nucleotide-binding oligomerization domain containing 2	16	q12.1
ENSG00000138696	BMPR1B	bone morphogenetic protein receptor, type IB	4	q22.3
ENSG00000169884	WNT10B	wingless-type MMTV integration site family, member 10B	12	q13.12
ENSG00000198901	PRC1	protein regulator of cytokinesis 1	15	q26.1
ENSG00000182168	UNC5C	unc-5 homolog C (C. elegans)	4	q22.3
ENSG00000125084	WNT1	wingless-type MMTV integration site family, member 1	12	q13.12
ENSG00000184056	VPS33B	vacuolar protein sorting 33 homolog B (yeast)	15	q26.1
ENSG00000181929	PRKAG1	protein kinase, AMP-activated, gamma 1 non-catalytic subunit	12	q13.12
ENSG00000167548	MLL2	myeloid/lymphoid or mixed-lineage leukemia 2	12	q13.12
ENSG00000164924	YWHAZ	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide	8	q22.3
ENSG00000095066	HOOK2	hook homolog 2 (Drosophila)	19	p13.13
ENSG00000171223	JUNB	jun B proto-oncogene	19	p13.13
ENSG00000152409	JMY	junction mediating and regulatory protein, p53 cofactor	5	q14.1
ENSG00000167815	PRDX2	peroxiredoxin 2	19	p13.13
ENSG00000139636	LMBR1L	limb region 1 homolog (mouse)-like	12	q13.12
ENSG00000166971	AKTIP	AKT interacting protein	16	q12.2
ENSG00000197894	ADH5	alcohol dehydrogenase 5 (class III), chi polypeptide	4	q23
ENSG00000048392	RRM2B	ribonucleotide reductase M2 B (TP53 inducible)	8	q22.3
ENSG00000140718	FTO	fat mass and obesity associated	16	q12.2
ENSG00000105613	MAST1	microtubule associated serine/threonine kinase 1	19	p13.13
ENSG00000113296	THBS4	thrombospondin 4	5	q14.1
ENSG00000105612	DNASE2	deoxyribonuclease II, lysosomal	19	p13.13
ENSG00000105610	KLF1	Kruppel-like factor 1 (erythroid)	19	p13.13
ENSG00000185551	NR2F2	nuclear receptor subfamily 2, group F, member 2	15	q26.2
ENSG00000087253	LPCAT2	lysophosphatidylcholine acyltransferase 2	16	q12.2
ENSG00000155090	KLF10	Kruppel-like factor 10	8	q22.3
ENSG00000039319	ZFYVE16	zinc finger, FYVE domain containing 16	5	q14.1
ENSG00000135451	TROAP	trophinin associated protein	12	q13.12
ENSG00000179218	CALR	calreticulin	19	p13.13

ENSG00000140443	IGF1R	insulin-like growth factor 1 receptor	15	q26.3
ENSG00000186897	C1QL4	complement component 1, q subcomponent-like 4	12	q13.12
ENSG00000133789	SWAP70	SWAP switching B-cell complex 70kDa subunit	11	p15.4
ENSG00000198848	CES1	carboxylesterase 1	16	q12.2
ENSG00000113318	MSH3	mutS homolog 3 (E. coli)	5	q14.1
ENSG00000164929	BAALC	brain and acute leukemia, cytoplasmic	8	q22.3
ENSG00000179284	DAND5	DAN domain family, member 5	19	p13.13
ENSG00000148926	ADM	adrenomedullin	11	p15.4
ENSG00000113319	RASGRF2	Ras protein-specific guanine nucleotide-releasing factor 2	5	q14.1
ENSG00000087258	GNAO1	guanine nucleotide binding protein (G protein), alpha activating activity polypeptide 0	16	q13
ENSG00000068305	MEF2A	myocyte enhancer factor 2A	15	q26.3
ENSG00000104903	LYL1	lymphoblastic leukemia derived sequence 1	19	p13.13
ENSG00000143867	OSR1	odd-skipped related 1 (Drosophila)	2	p24.1
ENSG00000133800	LYVE1	lymphatic vessel endothelial hyaluronan receptor 1	11	p15.4
ENSG00000160877	NACC1	nucleus accumbens associated 1, BEN and BTB (POZ) domain containing	19	p13.13
ENSG00000176406	RIMS2	regulating synaptic membrane exocytosis 2	8	q22.3
ENSG00000153064	BANK1	B-cell scaffold protein with ankyrin repeats 1	4	q24
ENSG00000170425	ADORA2B	adenosine A2b receptor	17	p12
ENSG00000136156	ITM2B	integral membrane protein 2B	13	q14.2
ENSG00000130427	EPO	erythropoietin	7	q22.1
ENSG00000139644	TMBIM6	transmembrane BAX inhibitor motif containing 6	12	q13.12
ENSG00000109320	NFKB1	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1	4	q24
ENSG00000146839	ZAN	zonadhesin	7	q22.1
ENSG00000141837	CACNA1A	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	19	p13.13
ENSG00000125124	BBS2	Bardet-Biedl syndrome 2	16	q13
ENSG00000135472	FAIM2	Fas apoptotic inhibitory molecule 2	12	q13.12
ENSG00000147650	LRP12	low density lipoprotein receptor-related protein 12	8	q22.3
ENSG00000167580	AQP2	aquaporin 2 (collecting duct)	12	q13.12
ENSG00000139687	RB1	retinoblastoma 1	13	q14.2
ENSG00000109332	UBE2D3	ubiquitin-conjugating enzyme E2D 3	4	q24
ENSG00000166582	CENPV	centromere protein V	17	p11.2
ENSG00000184254	ALDH1A3	aldehyde dehydrogenase 1 family, member A3	15	q26.3

ENSG00000161800	RACGAP1	Rac GTPase activating protein 1	12	q13.12
ENSG00000152422	XRCC4	X-ray repair complementing defective repair in Chinese hamster cells 4	5	q14.2
ENSG00000087077	TRIP6	thyroid hormone receptor interactor 6	7	q22.1
ENSG00000154188	ANGPT1	angiopoietin 1	8	q23.1
ENSG00000038427	VCAN	versican	5	q14.2
ENSG00000164047	CAMP	cathelicidin antimicrobial peptide	3	p21.31
ENSG00000131871	VIMP	VCP-interacting membrane protein	15	q26.3
ENSG00000141040	ZNF287	zinc finger protein 287	17	p11.2
ENSG00000172113	NME6	NME/NM23 nucleoside diphosphate kinase 6	3	p21.31
ENSG00000143878	RHOB	ras homolog family member B	2	p24.1
ENSG00000197702	PARVA	parvin, alpha	11	p15.3
ENSG00000145681	HAPLN1	hyaluronan and proteoglycan link protein 1	5	q14.3
ENSG00000087085	ACHE	acetylcholinesterase	7	q22.1
ENSG00000164176	EDIL3	EGF-like repeats and discoidin I-like domains 3	5	q14.3
ENSG00000108516	TNFRSF13B	tumor necrosis factor receptor superfamily, member 13B	17	q21.2
ENSG00000051108	HERPUD1	homocysteine-inducible, endoplasmic reticulum stress-inducible, ubiquitin-like domain member 1	16	q13
ENSG00000143869	GDF7	growth differentiation factor 7	2	p24.1
ENSG00000132005	RFX1	regulatory factor X, 1 (influences HLA class II expression)	19	p13.12
ENSG00000087237	CETP	cholesteryl ester transfer protein, plasma	16	q13
ENSG00000147654	EBAG9	estrogen receptor binding site associated, antigen, 9	8	q23.2
ENSG00000104998	IL27RA	interleukin 27 receptor, alpha	19	p13.12
ENSG00000140853	NLRC5	NLR family, CARD domain containing 5	16	q13
ENSG00000084674	APOB	apolipoprotein B (including Ag(x) antigen)	2	p24.1
ENSG00000145715	RASA1	RAS p21 protein activator (GTPase activating protein) 1	5	q14.3
ENSG00000102531	FNDC3A	fibronectin type III domain containing 3A	13	q14.2
ENSG00000152266	PTH	parathyroid hormone	11	p15.3
ENSG00000110911	SLC11A2	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2	12	q13.12
ENSG00000072062	PRKACA	protein kinase, cAMP-dependent, catalytic, alpha	19	p13.12
ENSG00000164054	SHISA5	shisa homolog 5 (<i>Xenopus laevis</i>)	3	p21.31
ENSG00000106366	SERPINE1	serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1	7	q22.1
ENSG00000106367	AP1S1	adaptor-related protein complex 1, sigma 1 subunit	7	q22.1
ENSG00000081189	MEF2C	myocyte enhancer factor 2C	5	q14.3

ENSG00000114270	COL7A1	collagen, type VII, alpha 1	3 p21.31
ENSG00000110925	CSRNP2	cysteine-serine-rich nuclear protein 2	12 q13.12
ENSG00000168743	NPNT	nephronectin	4 q24
ENSG00000123146	CD97	CD97 molecule	19 p13.12
ENSG00000129084	PSMA1	proteasome (prosome, macropain) subunit, alpha type, 1	11 p15.2
ENSG00000113356	POLR3G	polymerase (RNA) III (DNA directed) polypeptide G (32kD)	5 q14.3
ENSG00000102962	CCL22	chemokine (C-C motif) ligand 22	16 q21
ENSG00000006210	CX3CL1	chemokine (C-X3-C motif) ligand 1	16 q21
ENSG00000152270	PDE3B	phosphodiesterase 3B, cGMP-inhibited	11 p15.2
ENSG00000164199	GPR98	G protein-coupled receptor 98	5 q14.3
ENSG00000106404	CLDN15	claudin 15	7 q22.1
ENSG00000164022	AIMP1	aminoacyl tRNA synthetase complex-interacting multifunctional protein 1	4 q24
ENSG00000102970	CCL17	chemokine (C-C motif) ligand 17	16 q21
ENSG00000119782	FKBP1B	FK506 binding protein 1B, 12.6 kDa	2 p23.3
ENSG00000005194	CIAPIN1	cytokine induced apoptosis inhibitor 1	16 q21
ENSG00000123143	PKN1	protein kinase N1	19 p13.12
ENSG00000170545	SMAGP	small cell adhesion glycoprotein	12 q13.13
ENSG00000110680	CALCA	calcitonin-related polypeptide alpha	11 p15.2
ENSG00000008300	CELSR3	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	3 p21.31
ENSG00000160951	PTGER1	prostaglandin E receptor 1 (subtype EP1), 42kDa	19 p13.12
ENSG00000123159	GIPC1	GIPC PDZ domain containing family, member 1	19 p13.12
ENSG00000164754	RAD21	RAD21 homolog (S. pombe)	8 q24.11
ENSG00000115129	TP53I3	tumor protein p53 inducible protein 3	2 p23.3
ENSG00000160999	SH2B2	SH2B adaptor protein 2	7 q22.1
ENSG00000205336	GPR56	G protein-coupled receptor 56	16 q21
ENSG00000138795	LEF1	lymphoid enhancer-binding factor 1	4 q25
ENSG00000198399	ITSN2	intersectin 2	2 p23.3
ENSG00000166689	PLEKHA7	pleckstrin homology domain containing, family A member 7	11 p15.1
ENSG00000131899	LLGL1	lethal giant larvae homolog 1 (Drosophila)	17 p11.2
ENSG00000068745	IP6K2	inositol hexakisphosphate kinase 2	3 p21.31
ENSG00000164761	TNFRSF11B	tumor necrosis factor receptor superfamily, member 11b	8 q24.12
ENSG00000135503	ACVR1B	activin A receptor, type IB	12 q13.13

ENSG00000114302	PRKAR2A	protein kinase, cAMP-dependent, regulatory, type II, alpha	3	p21.31
ENSG00000147676	MAL2	mal, T-cell differentiation protein 2 (gene/pseudogene)	8	q24.12
ENSG00000136960	ENPP2	ectonucleotide pyrophosphatase/phosphodiesterase 2	8	q24.12
ENSG00000140859	KIFC3	kinesin family member C3	16	q21
ENSG00000139567	ACVRL1	activin A receptor type II-like 1	12	q13.13
ENSG00000138794	CASP6	caspase 6, apoptosis-related cysteine peptidase	4	q25
ENSG00000205403	CFI	complement factor I	4	q25
ENSG00000123358	NR4A1	nuclear receptor subfamily 4, group A, member 1	12	q13.13
ENSG00000155792	DEPTOR	DEP domain containing MTOR-interacting protein	8	q24.12
ENSG00000128606	LRRC17	leucine rich repeat containing 17	7	q22.1
ENSG00000183423	LRIT3	leucine-rich repeat, immunoglobulin-like and transmembrane domains 3	4	q25
ENSG00000105143	SLC1A6	solute carrier family 1 (high affinity aspartate/glutamate transporter), member 6	19	p13.12
ENSG00000187955	COL14A1	collagen, type XIV, alpha 1	8	q24.12
ENSG00000138798	EGF	epidermal growth factor	4	q25
ENSG00000105141	CASP14	caspase 14, apoptosis-related cysteine peptidase	19	p13.12
ENSG00000178035	IMPDH2	IMP (inosine 5'-monophosphate) dehydrogenase 2	3	p21.31
ENSG00000175426	PCSK1	proprotein convertase subtilisin/kexin type 1	5	q15
ENSG00000129152	MYOD1	myogenic differentiation 1	11	p15.1
ENSG00000161057	PSMC2	proteasome (prosome, macropain) 26S subunit, ATPase, 2	7	q22.1
ENSG00000115138	POMC	proopiomelanocortin	2	p23.3
ENSG00000176124	DLEU1	deleted in lymphocytic leukemia 1 (non-protein coding)	13	q14.2
ENSG00000172037	LAMB2	laminin, beta 2 (laminin S)	3	p21.31
ENSG00000136986	DERL1	derlin 1	8	q24.13
ENSG00000186047	DLEU7	deleted in lymphocytic leukemia, 7	13	q14.3
ENSG00000166788	SAAL1	serum amyloid A-like 1	11	p15.1
ENSG00000189056	RELN	reelin	7	q22.1
ENSG00000166787	SAA3P	serum amyloid A3 pseudogene	11	p15.1
ENSG00000072134	EPN2	epsin 2	17	p11.2
ENSG00000114316	USP4	ubiquitin specific peptidase 4 (proto-oncogene)	3	p21.31
ENSG00000148965	SAA4	serum amyloid A4, constitutive	11	p15.1
ENSG00000134339	SAA2	serum amyloid A2	11	p15.1
ENSG00000166484	MAPK7	mitogen-activated protein kinase 7	17	p11.2

ENSG00000173432	SAA1	serum amyloid A1	11 p15.1
ENSG00000164307	ERAP1	endoplasmic reticulum aminopeptidase 1	5 q15
ENSG00000067560	RHOA	ras homolog family member A	3 p21.31
ENSG00000005483	MLL5	myeloid/lymphoid or mixed-lineage leukemia 5 (trithorax homolog, Drosophila)	7 q22.3
ENSG00000166482	MFAP4	microfibrillar-associated protein 4	17 p11.2
ENSG00000150394	CDH8	cadherin 8, type 2	16 q21
ENSG00000140937	CDH11	cadherin 11, type 2, OB-cadherin (osteoblast)	16 q21
ENSG00000145022	TCTA	T-cell leukemia translocation altered	3 p21.31
ENSG00000164308	ERAP2	endoplasmic reticulum aminopeptidase 2	5 q15
ENSG00000186526	CYP4F8	cytochrome P450, family 4, subfamily F, polypeptide 8	19 p13.12
ENSG00000179776	CDH5	cadherin 5, type 2 (vascular endothelium)	16 q21
ENSG00000173402	DAG1	dystroglycan 1 (dystrophin-associated glycoprotein 1)	3 p21.31
ENSG00000167768	KRT1	keratin 1	12 q13.13
ENSG00000135250	SRPK2	SRSF protein kinase 2	7 q22.3
ENSG00000204960	BLACE	B-cell acute lymphoblastic leukemia expressed	7 q36.3
ENSG00000145349	CAMK2D	calcium/calmodulin-dependent protein kinase II delta	4 q26
ENSG00000173531	MST1	macrophage stimulating 1 (hepatocyte growth factor-like)	3 p21.31
ENSG00000170873	MTSS1	metastasis suppressor 1	8 q24.13
ENSG00000089505	CMTM1	CKLF-like MARVEL transmembrane domain containing 1	16 q21
ENSG00000174136	RGMB	RGM domain family, member B	5 q15
ENSG00000128536	CDHR3	cadherin-related family member 3	7 q22.3
ENSG00000179057	IGSF22	immunoglobulin superfamily, member 22	11 p15.1
ENSG00000105835	NAMPT	nicotinamide phosphoribosyltransferase	7 q22.3
ENSG00000111057	KRT18	keratin 18	12 q13.13
ENSG00000167461	RAB8A	RAB8A, member RAS oncogene family	19 p13.11
ENSG00000105851	PIK3CG	phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit gamma	7 q22.3
ENSG00000176020	AMIGO3	adhesion molecule with Ig-like domain 3	3 p21.31
ENSG00000196684	HSH2D	hematopoietic SH2 domain containing	19 p13.11
ENSG00000140932	CMTM2	CKLF-like MARVEL transmembrane domain containing 2	16 q21
ENSG00000141977	CIB3	calcium and integrin binding family member 3	19 p13.11
ENSG00000170255	MRGPRX1	MAS-related GPR, member X1	11 p15.1
ENSG00000005249	PRKAR2B	protein kinase, cAMP-dependent, regulatory, type II, beta	7 q22.3

ENSG00000140931	CMTM3	CKLF-like MARVEL transmembrane domain containing 3	16	q22.1
ENSG00000173334	TRIB1	tribbles homolog 1 (Drosophila)	8	q24.13
ENSG00000183723	CMTM4	CKLF-like MARVEL transmembrane domain containing 4	16	q22.1
ENSG00000136997	MYC	v-myc myelocytomatosis viral oncogene homolog (avian)	8	q24.21
ENSG00000145388	METTL14	methyltransferase like 14	4	q26
ENSG00000187492	CDHR4	cadherin-related family member 4	3	p21.31
ENSG00000127528	KLF2	Kruppel-like factor 2 (lung)	19	p13.11
ENSG00000136108	CKAP2	cytoskeleton associated protein 2	13	q14.3
ENSG00000127527	EPS15L1	epidermal growth factor receptor pathway substrate 15-like 1	19	p13.11
ENSG00000159593	NAE1	NEDD8 activating enzyme E1 subunit 1	16	q22.1
ENSG00000183763	TRAIIP	TRAF interacting protein	3	p21.31
ENSG00000075790	BCAP29	B-cell receptor-associated protein 29	7	q22.3
ENSG00000166589	CDH16	cadherin 16, KSP-cadherin	16	q22.1
ENSG00000105879	CBLL1	Cbl proto-oncogene, E3 ubiquitin protein ligase-like 1	7	q22.3
ENSG00000164078	MST1R	macrophage stimulating 1 receptor (c-met-related tyrosine kinase)	3	p21.31
ENSG00000166592	RRAD	Ras-related associated with diabetes	16	q22.1
ENSG00000138735	PDE5A	phosphodiesterase 5A, cGMP-specific	4	q26
ENSG00000167780	SOAT2	sterol O-acyltransferase 2	12	q13.13
ENSG00000091136	LAMB1	laminin, beta 1	7	q31.1
ENSG00000109854	HTATIP2	HIV-1 Tat interactive protein 2, 30kDa	11	p15.1
ENSG00000003756	RBM5	RNA binding motif protein 5	3	p21.31
ENSG00000127533	F2RL3	coagulation factor II (thrombin) receptor-like 3	19	p13.11
ENSG00000136110	LECT1	leukocyte cell derived chemotaxin 1	13	q14.3
ENSG00000001617	SEMA3F	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3F	3	p21.31
ENSG00000091128	LAMB4	laminin, beta 4	7	q31.1
ENSG00000157884	CIB4	calcium and integrin binding family member 4	2	p23.3
ENSG00000165973	NELL1	NEL-like 1 (chicken)	11	p15.1
ENSG00000007171	NOS2	nitric oxide synthase 2, inducible	17	q11.2
ENSG00000102871	TRADD	TNFRSF1A-associated via death domain	16	q22.1
ENSG00000136099	PCDH8	protocadherin 8	13	q14.3
ENSG00000139626	ITGB7	integrin, beta 7	12	q13.13
ENSG00000050730	TNIP3	TNFAIP3 interacting protein 3	4	q27

ENSG00000091129	NRCAM	neuronal cell adhesion molecule	7	q31.1
ENSG00000114353	GNAI2	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2	3	p21.31
ENSG00000140939	NOL3	nucleolar protein 3 (apoptosis repressor with CARD domain)	16	q22.1
ENSG00000102837	OLFM4	olfactomedin 4	13	q14.3
ENSG00000172819	RARG	retinoic acid receptor, gamma	12	q13.13
ENSG00000042832	TG	thyroglobulin	8	q24.22
ENSG00000179044	EXOC3L1	exocyst complex component 3-like 1	16	q22.1
ENSG00000164111	ANXA5	annexin A5	4	q27
ENSG00000151422	FER	fer (fps/fes related) tyrosine kinase	5	q21.3
ENSG00000183161	FANCF	Fanconi anemia, complementation group F	11	p14.3
ENSG00000012171	SEMA3B	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3B	3	p21.31
ENSG00000087095	NLK	nemo-like kinase	17	q11.2
ENSG00000148935	GAS2	growth arrest-specific 2	11	p14.3
ENSG00000135476	ESPL1	extra spindle pole bodies homolog 1 (<i>S. cerevisiae</i>)	12	q13.13
ENSG00000102890	ELMO3	engulfment and cell motility 3	16	q22.1
ENSG00000104415	WISP1	WNT1 inducible signaling pathway protein 1	8	q24.22
ENSG00000118946	PCDH17	protocadherin 17	13	q21.1
ENSG00000109083	IFT20	intraflagellar transport 20 homolog (<i>Chlamydomonas</i>)	17	q11.2
ENSG00000109079	TNFAIP1	tumor necrosis factor, alpha-induced protein 1 (endothelial)	17	q11.2
ENSG00000104419	NDRG1	N-myc downstream regulated 1	8	q24.22
ENSG00000138686	BBS7	Bardet-Biedl syndrome 7	4	q27
ENSG00000145777	TSLP	thymic stromal lymphopoietin	5	q22.1
ENSG00000178591	DEFB125	defensin, beta 125	20	p13
ENSG00000173114	LRRN3	leucine rich repeat neuronal 3	7	q31.1
ENSG00000128512	DOCK4	dedicator of cytokinesis 4	7	q31.1
ENSG00000125788	DEFB126	defensin, beta 126	20	p13
ENSG00000130303	BST2	bone marrow stromal cell antigen 2	19	p13.11
ENSG00000088782	DEFB127	defensin, beta 127	20	p13
ENSG00000135409	AMHR2	anti-Mullerian hormone receptor, type II	12	q13.13
ENSG00000185982	DEFB128	defensin, beta 128	20	p13
ENSG00000007216	SLC13A2	solute carrier family 13 (sodium-dependent dicarboxylate transporter), member 2	17	q11.2
ENSG00000125903	DEFB129	defensin, beta 129	20	p13

ENSG00000186458	DEFB132	defensin, beta 132	20	p13
ENSG00000138080	EMILIN1	elastin microfibril interfacier 1	2	p23.3
ENSG00000148943	LIN7C	lin-7 homolog C (C. elegans)	11	p14.1
ENSG00000109101	FOXP1	forkhead box N1	17	q11.2
ENSG00000197991	PCDH20	protocadherin 20	13	q21.2
ENSG00000006652	IFRD1	interferon-related developmental regulator 1	7	q31.1
ENSG00000176697	BDNF	brain-derived neurotrophic factor	11	p14.1
ENSG00000134986	NREP	neuronal regeneration related protein homolog (rat)	5	q22.1
ENSG00000164113	ADAD1	adenosine deaminase domain containing 1 (testis-specific)	4	q27
ENSG00000184226	PCDH9	protocadherin 9	13	q21.32
ENSG00000109471	IL2	interleukin 2	4	q27
ENSG00000139625	MAP3K12	mitogen-activated protein kinase kinase kinase 12	12	q13.13
ENSG00000130309	GLT25D1	glycosyltransferase 25 domain containing 1	19	p13.11
ENSG00000109107	ALDOC	aldolase C, fructose-bisphosphate	17	q11.2
ENSG00000139546	TARBP2	TAR (HIV-1) RNA binding protein 2	12	q13.13
ENSG00000130477	UNC13A	unc-13 homolog A (C. elegans)	19	p13.11
ENSG00000138684	IL21	interleukin 21	4	q27
ENSG00000134982	APC	adenomatous polyposis coli	5	q22.2
ENSG00000130479	MAP1S	microtubule-associated protein 1S	19	p13.11
ENSG00000138685	FGF2	fibroblast growth factor 2 (basic)	4	q28.1
ENSG00000138028	CGREF1	cell growth regulator with EF-hand domain 1	2	p23.3
ENSG00000130475	FCHO1	FCH domain only 1	19	p13.11
ENSG00000131808	FSHB	follicle stimulating hormone, beta polypeptide	11	p14.1
ENSG00000169398	PTK2	PTK2 protein tyrosine kinase 2	8	q24.3
ENSG00000101255	TRIB3	tribbles homolog 3 (Drosophila)	20	p13
ENSG00000114737	CISH	cytokine inducible SH2-containing protein	3	p21.2
ENSG00000132581	SDF2	stromal cell-derived factor 2	17	q11.2
ENSG00000105639	JAK3	Janus kinase 3	19	p13.11
ENSG00000125826	RBCK1	RanBP-type and C3HC4-type zinc finger containing 1	20	p13
ENSG00000088538	DOCK3	dedicator of cytokinesis 3	3	p21.2
ENSG00000196159	FAT4	FAT tumor suppressor homolog 4 (Drosophila)	4	q28.1
ENSG00000105974	CAV1	caveolin 1, caveolae protein, 22kDa	7	q31.2

ENSG00000109113	RAB34	RAB34, member RAS oncogene family	17 q11.2
ENSG00000145041	VPRBP	Vpr (HIV-1) binding protein	3 p21.2
ENSG00000142731	PLK4	polo-like kinase 4	4 q28.1
ENSG00000096996	IL12RB1	interleukin 12 receptor, beta 1	19 p13.11
ENSG00000181790	BAI1	brain-specific angiogenesis inhibitor 1	8 q24.3
ENSG00000105989	WNT2	wingless-type MMTV integration site family member 2	7 q31.2
ENSG00000198576	ARC	activity-regulated cytoskeleton-associated protein	8 q24.3
ENSG00000076604	TRAF4	TNF receptor-associated factor 4	17 q11.2
ENSG00000205777	GAGE1	G antigen 1	X p11.23
ENSG00000164219	PGGT1B	protein geranylgeranyltransferase type I, beta subunit	5 q22.3
ENSG00000205220	PSMB10	proteasome (prosome, macropain) subunit, beta type, 10 cystic fibrosis transmembrane conductance regulator (ATP-binding cassette sub-family C, member 7)	16 q22.1
ENSG00000001626	CFTR		7 q31.2
ENSG00000105647	PIK3R2	phosphoinositide-3-kinase, regulatory subunit 2 (beta)	19 p13.11
ENSG00000160886	LY6K	lymphocyte antigen 6 complex, locus K	8 q24.3
ENSG00000126233	SLURP1	secreted LY6/PLAUR domain containing 1	8 q24.3
ENSG00000123405	NFE2	nuclear factor (erythroid-derived 2), 45kDa	12 q13.13
ENSG00000105649	RAB3A	RAB3A, member RAS oncogene family	19 p13.11
ENSG00000132589	FLOT2	flotillin 2	17 q11.2
ENSG00000167656	LY6D	lymphocyte antigen 6 complex, locus D	8 q24.3
ENSG00000077684	PHF17	PHD finger protein 17	4 q28.2
ENSG00000104499	GML	glycosylphosphatidylinositol anchored molecule like	8 q24.3
ENSG00000161638	ITGA5	integrin, alpha 5 (fibronectin receptor, alpha polypeptide)	12 q13.13
ENSG00000184937	WT1	Wilms tumor 1	11 p13
ENSG00000138650	PCDH10	protocadherin 10	4 q28.3
ENSG00000072736	NFATC3	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 3	16 q22.1
ENSG00000196535	MYO18A	myosin XVIII A	17 q11.2
ENSG00000130513	GDF15	growth differentiation factor 15	19 p13.11
ENSG00000189184	PCDH18	protocadherin 18	4 q28.3
ENSG00000160932	LY6E	lymphocyte antigen 6 complex, locus E	8 q24.3
ENSG00000071243	ING3	inhibitor of growth family, member 3	7 q31.31
ENSG00000092421	SEMA6A	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6A	5 q23.1

ENSG00000123360	PDE1B	phosphodiesterase 1B, calmodulin-dependent	12	q13.2
ENSG00000176956	LY6H	lymphocyte antigen 6 complex, locus H	8	q24.3
ENSG00000135447	PPP1R1A	protein phosphatase 1, regulatory (inhibitor) subunit 1A	12	q13.2
ENSG00000163794	UCN	urocortin	2	p23.3
ENSG00000164087	POC1A	POC1 centriolar protein homolog A (Chlamydomonas)	3	p21.2
ENSG00000173366	TLR9	TLR9	3	p21.2
ENSG00000196937	FAM3C	family with sequence similarity 3, member C	7	q31.31
ENSG00000105701	FKBP8	FK506 binding protein 8, 38kDa	19	p13.11
ENSG00000145779	TNFAIP8	tumor necrosis factor, alpha-induced protein 8	5	q23.1
ENSG00000062038	CDH3	cadherin 3, type 1, P-cadherin (placental)	16	q22.1
ENSG00000081803	CADPS2	Ca ⁺⁺ -dependent secretion activator 2	7	q31.32
ENSG00000006016	CRLF1	cytokine receptor-like factor 1	19	p13.11
ENSG00000039068	CDH1	cadherin 1, type 1, E-cadherin (epithelial)	16	q22.1
ENSG00000110422	HIPK3	homeodomain interacting protein kinase 3	11	p13
ENSG00000151304	SRFBP1	serum response factor binding protein 1	5	q23.1
ENSG00000136153	LMO7	LIM domain 7	13	q22.2
ENSG00000101280	ANGPT4	angiopoietin 4	20	p13
ENSG00000110427	KIAA1549L	KIAA1549-like	11	p13
ENSG00000115234	SNX17	sorting nexin 17	2	p23.3
ENSG00000135424	ITGA7	integrin, alpha 7	12	q13.2
ENSG00000085063	CD59	CD59 molecule, complement regulatory protein	11	p13
ENSG00000105664	COMP	cartilage oligomeric matrix protein	19	p13.11
ENSG00000125818	PSMF1	proteasome (prosome, macropain) inhibitor subunit 1 (PI31)	20	p13
ENSG00000179387	ELMOD2	ELMO/CED-12 domain containing 2	4	q31.1
ENSG00000104522	TSTA3	tissue specific transplantation antigen P35B	8	q24.3
ENSG00000109424	UCP1	uncoupling protein 1 (mitochondrial, proton carrier)	4	q31.1
ENSG00000205302	SNX2	sorting nexin 2	5	q23.2
ENSG00000135441	BLOC1S1	biogenesis of lysosomal organelles complex-1, subunit 1	12	q13.2
ENSG00000182271	TMIGD1	transmembrane and immunoglobulin domain containing 1	17	q11.2
ENSG00000010319	SEMA3G	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3G	3	p21.1
ENSG00000130283	GDF1	growth differentiation factor 1	19	p13.11
ENSG00000135404	CD63	CD63 molecule	12	q13.2

ENSG00000132612	VPS4A	vacuolar protein sorting 4 homolog A (<i>S. cerevisiae</i>)	16 q22.1
ENSG00000168938	PPIC	peptidylprolyl isomerase C (cyclophilin C)	5 q23.2
ENSG00000164136	IL15	interleukin 15	4 q31.21
ENSG00000106304	SPAM1	sperm adhesion molecule 1 (PH-20 hyaluronidase, zona pellucida binding)	7 q31.32
ENSG00000010322	NISCH	nischarin	3 p21.1
ENSG00000135414	GDF11	growth differentiation factor 11	12 q13.2
ENSG00000180900	SCRIB	scribbled homolog (<i>Drosophila</i>)	8 q24.3
ENSG00000101298	SNPH	syntaphilin	20 p13
ENSG00000010327	STAB1	stabilin 1	3 p21.1
ENSG00000176390	CRLF3	cytokine receptor-like factor 3	17 q11.2
ENSG00000121691	CAT	catalase	11 p13
ENSG00000102908	NFAT5	nuclear factor of activated T-cells 5, tonicity-responsive	16 q22.1
ENSG00000179950	PUF60	poly-U binding splicing factor 60KDa	8 q24.3
ENSG00000102794	IRG1	immunoresponsive 1 homolog (mouse)	13 q22.3
ENSG00000185189	NRBP2	nuclear receptor binding protein 2	8 q24.3
ENSG00000205755	CRLF2	cytokine receptor-like factor 2	X p22.33
ENSG00000181481	RNF135	ring finger protein 135	17 q11.2
ENSG00000106328	FSCN3	fascin homolog 3, actin-bundling protein, testicular (<i>Strongylocentrotus purpuratus</i>)	7 q32.1
ENSG00000065357	DGKA	diacylglycerol kinase, alpha 80kDa	12 q13.2
ENSG00000198223	CSF2RA	colony stimulating factor 2 receptor, alpha, low-affinity (granulocyte-macrophage)	X p22.33
ENSG00000181019	NQO1	NAD(P)H dehydrogenase, quinone 1	16 q22.1
ENSG00000064545	TMEM161A	transmembrane protein 161A	19 p13.11
ENSG00000106331	PAX4	paired box 4	7 q32.1
ENSG00000183090	FREM3	FRAS1 related extracellular matrix 3	4 q31.21
ENSG00000196712	NF1	neurofibromin 1	17 q11.2
ENSG00000197465	GYPE	glycophorin E (MNS blood group)	4 q31.21
ENSG00000149089	APIP	APAF1 interacting protein	11 p13
ENSG00000088832	FKBP1A	FK506 binding protein 1A, 12kDa	20 p13
ENSG00000173926	MARCH3	membrane-associated ring finger (C3HC4) 3, E3 ubiquitin protein ligase	5 q23.2
ENSG00000198373	WWP2	WW domain containing E3 ubiquitin protein ligase 2	16 q22.1
ENSG00000026508	CD44	CD44 molecule (Indian blood group)	11 p13
ENSG00000145794	MEGF10	multiple EGF-like-domains 10	5 q23.2

ENSG00000174697	LEP	leptin	7	q32.1
ENSG00000170180	GYPA	glycophorin A (MNS blood group)	4	q31.21
ENSG00000184162	NR2C2AP	nuclear receptor 2C2-associated protein	19	p13.11
ENSG00000138002	IFT172	intraflagellar transport 172 homolog (Chlamydomonas)	2	p23.3
ENSG00000130287	NCAN	neurocan	19	p13.11
ENSG00000126861	OMG	oligodendrocyte myelin glycoprotein	17	q11.2
ENSG00000111540	RAB5B	RAB5B, member RAS oncogene family	12	q13.2
ENSG00000187664	HAPLN4	hyaluronan and proteoglycan link protein 4	19	p13.11
ENSG00000131242	RAB11FIP4	RAB11 family interacting protein 4 (class II)	17	q11.2
ENSG00000055957	ITIH1	inter-alpha-trypsin inhibitor heavy chain 1	3	p21.1
ENSG00000185291	IL3RA	interleukin 3 receptor, alpha (low affinity)	X	p22.33
ENSG00000055955	ITIH4	inter-alpha-trypsin inhibitor heavy chain family, member 4	3	p21.1
ENSG00000169100	SLC25A6	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 6	X	p22.33
ENSG00000110436	SLC1A2	solute carrier family 1 (glial high affinity glutamate transporter), member 2	11	p13
ENSG00000065361	ERBB3	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	12	q13.2
ENSG00000126858	RHOT1	ras homolog family member T1	17	q11.2
ENSG00000170365	SMAD1	SMAD family member 1	4	q31.21
ENSG00000186010	NDUFA13	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 13	19	p13.11
ENSG00000105717	PBX4	pre-B-cell leukemia homeobox 4	19	p13.11
ENSG00000163932	PRKCD	protein kinase C, delta	3	p21.1
ENSG00000175104	TRAF6	TNF receptor-associated factor 6, E3 ubiquitin protein ligase	11	p12
ENSG00000166349	RAG1	recombination activating gene 1	11	p12
ENSG00000108671	PSMD11	proteasome (prosome, macropain) 26S subunit, non-ATPase, 11	17	q11.2
ENSG00000175097	RAG2	recombination activating gene 2	11	p12
ENSG00000176749	CDK5R1	cyclin-dependent kinase 5, regulatory subunit 1 (p35)	17	q11.2
ENSG00000197976	AKAP17A	A kinase (PRKA) anchor protein 17A	X	p22.33
ENSG00000151617	EDNRA	endothelin receptor type A	4	q31.22
ENSG00000166181	API5	apoptosis inhibitor 5	11	p12
ENSG00000181852	RNF41	ring finger protein 41	12	q13.3
ENSG00000169567	HINT1	histidine triad nucleotide binding protein 1	5	q23.3
ENSG00000157368	IL34	interleukin 34	16	q22.1
ENSG00000141316	SPACA3	sperm acrosome associated 3	17	q11.2

ENSG00000136160	EDNRB	endothelin receptor type B	13	q22.3
ENSG00000128604	IRF5	interferon regulatory factor 5	7	q32.1
ENSG00000158985	CDC42SE2	CDC42 small effector 2	5	q31.1
ENSG00000056736	IL17RB	interleukin 17 receptor B	3	p21.1
ENSG00000185122	HSF1	heat shock transcription factor 1	8	q24.3
ENSG00000108691	CCL2	chemokine (C-C motif) ligand 2	17	q12
ENSG00000089012	SIRPG	signal-regulatory protein gamma	20	p13
ENSG00000108688	CCL7	chemokine (C-C motif) ligand 7	17	q12
ENSG00000152192	POU4F1	POU class 4 homeobox 1	13	q31.1
ENSG00000172156	CCL11	chemokine (C-C motif) ligand 11	17	q12
ENSG00000128602	SMO	smoothened, frizzled family receptor	7	q32.1
ENSG00000108700	CCL8	chemokine (C-C motif) ligand 8	17	q12
ENSG00000198053	SIRPA	signal-regulatory protein alpha	20	p13
ENSG00000181374	CCL13	chemokine (C-C motif) ligand 13	17	q12
ENSG00000114251	WNT5A	wingless-type MMTV integration site family, member 5A	3	p14.3
ENSG00000158019	BRE	brain and reproductive organ-expressed (TNFRSF1A modulator)	2	p23.2
ENSG00000108702	CCL1	chemokine (C-C motif) ligand 1	17	q12
ENSG00000002586	CD99	CD99 molecule	X	p22.33
ENSG00000052850	ALX4	ALX homeobox 4	11	p11.2
ENSG00000172687	ZNF738	zinc finger protein 738	19	p12
ENSG00000085117	CD82	CD82 molecule	11	p11.2
ENSG00000110944	IL23A	interleukin 23, alpha subunit p19	12	q13.3
ENSG00000170581	STAT2	signal transducer and activator of transcription 2, 113kDa	12	q13.3
ENSG00000163947	ARHGEF3	Rho guanine nucleotide exchange factor (GEF) 3	3	p14.3
ENSG00000124343	XG	Xg blood group	X	p22.33
ENSG00000160949	TONSL	tonsoku-like, DNA repair protein	8	q24.3
ENSG00000140835	CHST4	carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 4	16	q22.2
ENSG00000091732	ZC3HC1	zinc finger, C3HC-type containing 1	7	q32.2
ENSG00000144730	IL17RD	interleukin 17 receptor D	3	p14.3
ENSG00000145425	RPS3A	ribosomal protein S3A	4	q31.3
ENSG00000092871	RFFL	ring finger and FYVE-like domain containing E3 ubiquitin protein ligase	17	q12
ENSG00000164399	IL3	interleukin 3 (colony-stimulating factor, multiple)	5	q31.1

ENSG00000160973	FOXH1	forkhead box H1	8 q24.3
ENSG00000166747	AP1G1	adaptor-related protein complex 1, gamma 1 subunit	16 q22.2
ENSG00000121653	MAPK8IP1	mitogen-activated protein kinase 8 interacting protein 1	11 p11.2
ENSG00000164400	CSF2	colony stimulating factor 2 (granulocyte-macrophage)	5 q31.1
ENSG00000165905	GYLTL1B	glycosyltransferase-like 1B	11 p11.2
ENSG00000110955	ATP5B	ATP synthase, H ⁺ transporting, mitochondrial F1 complex, beta polypeptide	12 q13.3
ENSG00000102967	DHODH	dihydroorotate dehydrogenase (quinone)	16 q22.2
ENSG00000197372	ZNF675	zinc finger protein 675	19 p12
ENSG00000110958	PTGES3	prostaglandin E synthase 3 (cytosolic)	12 q13.3
ENSG00000149091	DGKZ	diacylglycerol kinase, zeta	11 p11.2
ENSG00000158623	COPG2	coatamer protein complex, subunit gamma 2	7 q32.2
ENSG00000166750	SLFN5	schlafen family member 5	17 q12
ENSG00000172716	SLFN11	schlafen family member 11	17 q12
ENSG00000172123	SLFN12	schlafen family member 12	17 q12
ENSG00000146938	NLGN4X	neuroligin 4, X-linked	X p22.31
ENSG00000154760	SLFN13	schlafen family member 13	17 q12
ENSG00000205045	SLFN12L	schlafen family member 12-like	17 q12
ENSG00000166289	PLEKHF1	pleckstrin homology domain containing, family F (with FYVE domain) member 1	19 q12
ENSG00000137462	TLR2	toll-like receptor 2	4 q31.3
ENSG00000128567	PODXL	podocalyxin-like	7 q32.3
ENSG00000145423	SFRP2	secreted frizzled-related protein 2	4 q31.3
ENSG00000105173	CCNE1	cyclin E1	19 q12
ENSG00000197410	DCHS2	dachsous 2 (Drosophila)	4 q31.3
ENSG00000103035	PSMD7	proteasome (prosome, macropain) 26S subunit, non-ATPase, 7	16 q23.1
ENSG00000131558	EXOC4	exocyst complex component 4	7 q33
ENSG00000163687	DNASE1L3	deoxyribonuclease I-like 3	3 p14.3
ENSG00000171564	FGB	fibrinogen beta chain	4 q31.3
ENSG00000180210	F2	coagulation factor II (thrombin)	11 p11.2
ENSG00000171094	ALK	anaplastic lymphoma receptor tyrosine kinase	2 p23.1
ENSG00000171560	FGA	fibrinogen alpha chain	4 q31.3
ENSG00000166888	STAT6	signal transducer and activator of transcription 6, interleukin-4 induced	12 q13.3
ENSG00000125347	IRF1	interferon regulatory factor 1	5 q31.1

ENSG00000171557	FGG	fibrinogen gamma chain	4	q32.1
ENSG00000123384	LRP1	low density lipoprotein receptor-related protein 1	12	q13.3
ENSG00000105185	PDCD5	programmed cell death 5	19	q13.11
ENSG00000113525	IL5	interleukin 5 (colony-stimulating factor, eosinophil)	5	q31.1
ENSG00000011201	KAL1	Kallmann syndrome 1 sequence	X	p22.31
ENSG00000198643	FAM3D	family with sequence similarity 3, member D	3	p14.2
ENSG00000050820	BCAR1	breast cancer anti-estrogen resistance 1	16	q23.1
ENSG00000134569	LRP4	low density lipoprotein receptor-related protein 4	11	p11.2
ENSG00000153774	CFDP1	craniofacial development protein 1	16	q23.1
ENSG00000125257	ABCC4	ATP-binding cassette, sub-family C (CFTR/MRP), member 4	13	q32.1
ENSG00000145431	PDGFC	platelet derived growth factor C	4	q32.1
ENSG00000175189	INHBC	inhibin, beta C	12	q13.3
ENSG00000130881	LRP3	low density lipoprotein receptor-related protein 3	19	q13.11
ENSG00000169194	IL13	interleukin 13	5	q31.1
ENSG00000153266	FEZF2	FEZ family zinc finger 2	3	p14.2
ENSG00000153879	CEBPG	CCAAT/enhancer binding protein (C/EBP), gamma	19	q13.11
ENSG00000065457	ADAT1	adenosine deaminase, tRNA-specific 1	16	q23.1
ENSG00000163618	CADPS	Ca ⁺⁺ -dependent secretion activator	3	p14.2
ENSG00000113520	IL4	interleukin 4	5	q31.1
ENSG00000134873	CLDN10	claudin 10	13	q32.1
ENSG00000165912	PACSIN3	protein kinase C and casein kinase substrate in neurons 3	11	p11.2
ENSG00000175197	DDIT3	DNA-damage-inducible transcript 3	12	q13.3
ENSG00000152910	CNTNAP4	contactin associated protein-like 4	16	q23.1
ENSG00000184492	FOXD4L1	forkhead box D4-like 1	2	q14.1
ENSG00000025434	NR1H3	nuclear receptor subfamily 1, group H, member 3	11	p11.2
ENSG00000105220	GPI	glucose-6-phosphate isomerase	19	q13.11
ENSG00000126249	PDCD2L	programmed cell death 2-like	19	q13.11
ENSG00000110514	MADD	MAP-kinase activating death domain	11	p11.2
ENSG00000157680	DGKI	diacylglycerol kinase, iota	7	q33
ENSG00000171497	PPID	peptidylprolyl isomerase D	4	q32.1
ENSG00000162959	MEMO1	mediator of cell motility 1	2	p22.3
ENSG00000163636	PSMD6	proteasome (prosome, macropain) 26S subunit, non-ATPase, 6	3	p14.1

ENSG00000140876	NUDT7	nudix (nucleoside diphosphate linked moiety X)-type motif 7	16	q23.1
ENSG00000102580	DNAJC3	DnaJ (Hsp40) homolog, subfamily C, member 3	13	q32.1
ENSG00000186153	WWOX	WW domain containing oxidoreductase	16	q23.1
ENSG00000021574	SPAST	spastin	2	p22.3
ENSG00000134571	MYBPC3	myosin binding protein C, cardiac	11	p11.2
ENSG00000164129	NPY5R	neuropeptide Y receptor Y5	4	q32.2
ENSG00000066336	SPI1	spleen focus forming virus (SFFV) proviral integration oncogene spi1	11	p11.2
ENSG00000151276	MAGI1	membrane associated guanylate kinase, WW and PDZ domain containing 1	3	p14.1
ENSG00000165916	PSMC3	proteasome (prosome, macropain) 26S subunit, ATPase, 3	11	p11.2
ENSG00000091106	NLRC4	NLR family, CARD domain containing 4	2	p22.3
ENSG00000107099	DOCK8	dedicator of cytokinesis 8	9	p24.3
ENSG00000088881	EBF4	early B-cell factor 4	20	p13
ENSG00000164404	GDF9	growth differentiation factor 9	5	q31.1
ENSG00000115760	BIRC6	baculoviral IAP repeat containing 6	2	p22.3
ENSG00000144749	LRIG1	leucine-rich repeats and immunoglobulin-like domains 1	3	p14.1
ENSG00000089327	FXVD5	FXVD domain containing ion transport regulator 5	19	q13.12
ENSG00000135446	CDK4	cyclin-dependent kinase 4	12	q14.1
ENSG00000164406	LEAP2	liver expressed antimicrobial peptide 2	5	q31.1
ENSG00000197943	PLCG2	phospholipase C, gamma 2 (phosphatidylinositol-specific)	16	q23.3
ENSG00000064393	HIPK2	homeodomain interacting protein kinase 2	7	q34
ENSG00000172247	C1QTNF4	C1q and tumor necrosis factor related protein 4	11	p11.2
ENSG00000111012	CYP27B1	cytochrome P450, family 27, subfamily B, polypeptide 1	12	q14.1
ENSG00000183662	FAM19A1	family with sequence similarity 19 (chemokine (C-C motif)-like), member A1	3	p14.1
ENSG00000049323	LTBP1	latent transforming growth factor beta binding protein 1	2	p22.3
ENSG00000163377	FAM19A4	family with sequence similarity 19 (chemokine (C-C motif)-like), member A4	3	p14.1
ENSG00000125363	AMELX	amelogenin, X-linked	X	p22.2
ENSG00000088882	CPXM1	carboxypeptidase X (M14 family), member 1	20	p13
ENSG00000059377	TBXAS1	thromboxane A synthase 1 (platelet)	7	q34
ENSG00000037897	METTL1	methyltransferase like 1	12	q14.1
ENSG00000140945	CDH13	cadherin 13, H-cadherin (heart)	16	q23.3
ENSG00000105697	HAMP	hepcidin antimicrobial peptide	19	q13.12
ENSG00000105695	MAG	myelin associated glycoprotein	19	q13.12

ENSG00000012124	CD22	CD22 molecule	19 q13.12
ENSG00000187098	MITF	microphthalmia-associated transcription factor	3 p13
ENSG00000154447	SH3RF1	SH3 domain containing ring finger 1	4 q33
ENSG00000139263	LRIG3	leucine-rich repeats and immunoglobulin-like domains 3	12 q14.1
ENSG00000196664	TLR7	toll-like receptor 7	X p22.2
ENSG00000198673	FAM19A2	family with sequence similarity 19 (chemokine (C-C motif)-like), member A2	12 q14.1
ENSG00000101916	TLR8	toll-like receptor 8	X p22.2
ENSG00000171055	FEZ2	fasciculation and elongation protein zeta 2 (zygin II)	2 p22.2
ENSG00000157764	BRAF	v-raf murine sarcoma viral oncogene homolog B1	7 q34
ENSG00000114861	FOXP1	forkhead box P1	3 p13
ENSG00000081059	TCF7	transcription factor 7 (T-cell specific, HMG-box)	5 q31.1
ENSG00000006530	AGK	acylglycerol kinase	7 q34
ENSG00000140955	ADAD2	adenosine deaminase domain containing 2	16 q24.1
ENSG00000166148	AVPR1A	arginine vasopressin receptor 1A	12 q14.2
ENSG00000107937	GTPBP4	GTP binding protein 4	10 p15.3
ENSG00000164104	HMGB2	high mobility group box 2	4 q34.1
ENSG00000198759	EGFL6	EGF-like-domain, multiple 6	X p22.2
ENSG00000103187	COTL1	coactosin-like 1 (Dictyostelium)	16 q24.1
ENSG00000113575	PPP2CA	protein phosphatase 2, catalytic subunit, alpha isozyme	5 q31.1
ENSG00000163421	PROK2	prokineticin 2	3 p13
ENSG00000147852	VLDLR	very low density lipoprotein receptor	9 p24.2
ENSG00000163602	RYBP	RING1 and YY1 binding protein	3 p13
ENSG00000164107	HAND2	heart and neural crest derivatives expressed 2	4 q34.1
ENSG00000119048	UBE2B	ubiquitin-conjugating enzyme E2B	5 q31.1
ENSG00000055332	EIF2AK2	eukaryotic translation initiation factor 2-alpha kinase 2	2 p22.2
ENSG00000164120	HPGD	hydroxyprostaglandin dehydrogenase 15-(NAD)	4 q34.1
ENSG00000011590	ZBTB32	zinc finger and BTB domain containing 32	19 q13.12
ENSG00000183735	TBK1	TANK-binding kinase 1	12 q14.2
ENSG00000164615	CAMLG	calcium modulating ligand	5 q31.1
ENSG00000113805	CNTN3	contactin 3 (plasmacytoma associated)	3 p12.3
ENSG00000165125	TRPV6	transient receptor potential cation channel, subfamily V, member 6	7 q34
ENSG00000205155	PSENEN	presenilin enhancer 2 homolog (C. elegans)	19 q13.12

ENSG00000174106	LEMD3	LEM domain containing 3	12	q14.3
ENSG00000140968	IRF8	interferon regulatory factor 8	16	q24.1
ENSG00000150628	SPATA4	spermatogenesis associated 4	4	q34.2
ENSG00000185736	ADARB2	adenosine deaminase, RNA-specific, B2	10	p15.3
ENSG00000101405	OXT	oxytocin/neurophysin I prepropeptide	20	p13
ENSG00000185008	ROBO2	roundabout, axon guidance receptor, homolog 2 (Drosophila)	3	p12.3
ENSG00000197993	KEL	Kell blood group, metallo-endopeptidase	7	q34
ENSG00000069011	PITX1	paired-like homeodomain 1	5	q31.1
ENSG00000101200	AVP	arginine vasopressin	20	p13
ENSG00000080298	RFX3	regulatory factor X, 3 (influences HLA class II expression)	9	p24.2
ENSG00000150630	VEGFC	vascular endothelial growth factor C	4	q34.3
ENSG00000176692	FOXC2	forkhead box C2 (MFH-1, mesenchyme forkhead 1)	16	q24.1
ENSG00000169855	ROBO1	roundabout, axon guidance receptor, homolog 1 (Drosophila)	3	p12.3
ENSG00000161270	NPHS1	nephrosis 1, congenital, Finnish type (nephrin)	19	q13.12
ENSG00000115825	PRKD3	protein kinase D3	2	p22.2
ENSG00000109674	NEIL3	nei endonuclease VIII-like 3 (E. coli)	4	q34.3
ENSG00000088387	DOCK9	dedicator of cytokinesis 9	13	q32.3
ENSG00000090376	IRAK3	interleukin-1 receptor-associated kinase 3	12	q14.3
ENSG00000067057	PFKP	phosphofructokinase, platelet	10	p15.2
ENSG00000125686	MED1	mediator complex subunit 1	17	q12
ENSG00000175161	CADM2	cell adhesion molecule 2	3	p12.1
ENSG00000145824	CXCL14	chemokine (C-X-C motif) ligand 14	5	q31.1
ENSG00000181544	FANCB	Fanconi anemia, complementation group B	X	p22.2
ENSG00000145839	IL9	interleukin 9	5	q31.1
ENSG00000126259	KIRREL2	kin of IRRE like 2 (Drosophila)	19	q13.12
ENSG00000145826	LECT2	leukocyte cell-derived chemotaxin 2	5	q31.1
ENSG00000120708	TGFB1	transforming growth factor, beta-induced, 68kDa	5	q31.1
ENSG00000106144	CASP2	caspase 2, apoptosis-related cysteine peptidase	7	q34
ENSG00000127334	DYRK2	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 2	12	q15
ENSG00000179021	C3orf38	chromosome 3 open reading frame 38	3	p11.1
ENSG00000105290	APLP1	amyloid beta (A4) precursor-like protein 1	19	q13.12
ENSG00000113658	SMAD5	SMAD family member 5	5	q31.1

ENSG00000111537	IFNG	interferon, gamma	12	q15
ENSG00000044524	EPHA3	EPH receptor A3	3	p11.1
ENSG00000177300	CLDN22	claudin 22	4	q35.1
ENSG00000167604	NFKBID	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, delta solute carrier family 1 (neuronal/epithelial high affinity glutamate transporter, system Xag), member 1	19	q13.12
ENSG00000106688	SLC1A1	member 1	9	p24.2
ENSG00000111536	IL26	interleukin 26	12	q15
ENSG00000168556	ING2	inhibitor of growth family, member 2	4	q35.1
ENSG00000011600	TYROBP	TYRO protein tyrosine kinase binding protein	19	q13.12
ENSG00000127318	IL22	interleukin 22	12	q15
ENSG00000141736	ERBB2	v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian)	17	q12
ENSG00000126243	LRFN3	leucine rich repeat and fibronectin type III domain containing 3	19	q13.12
ENSG00000152377	SPOCK1	sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 1	5	q31.2
ENSG00000165197	FIGF	c-fos induced growth factor (vascular endothelial growth factor D)	X	p22.2
ENSG00000159840	ZYX	zyxin	7	q34
ENSG00000169508	GPR183	G protein-coupled receptor 183	13	q32.3
ENSG00000124391	IL17C	interleukin 17C	16	q24.2
ENSG00000168310	IRF2	interferon regulatory factor 2	4	q35.1
ENSG00000051523	CYBA	cytochrome b-245, alpha polypeptide	16	q24.2
ENSG00000164305	CASP3	caspase 3, apoptosis-related cysteine peptidase	4	q35.1
ENSG00000061492	WNT8A	wingless-type MMTV integration site family, member 8A	5	q31.2
ENSG00000156575	PRG3	proteoglycan 3	11	q12.1
ENSG00000112981	NME5	NME/NM23 family member 5	5	q31.2
ENSG00000130234	ACE2	angiotensin I converting enzyme (peptidyl-dipeptidase A) 2	X	p22.2
ENSG00000186652	PRG2	proteoglycan 2, bone marrow (natural killer cell activator, eosinophil granule major basic protein)	11	q12.1
ENSG00000167914	GSDMA	gasdermin A	17	q21.1
ENSG00000067082	KLF6	Kruppel-like factor 6	10	p15.2
ENSG00000174469	CNTNAP2	contactin associated protein-like 2	7	q35
ENSG00000108344	PSMD3	proteasome (prosome, macropain) 26S subunit, non-ATPase, 3	17	q21.1
ENSG00000149131	SERPING1	serpin peptidase inhibitor, clade G (C1 inhibitor), member 1	11	q12.1
ENSG00000108342	CSF3	colony stimulating factor 3 (granulocyte)	17	q21.1
ENSG00000055130	CUL1	cullin 1	7	q36.1

ENSG00000129993	CBFA2T3	core-binding factor, runt domain, alpha subunit 2; translocated to, 3	16	q24.3
ENSG00000182287	AP1S2	adaptor-related protein complex 1, sigma 2 subunit	X	p22.2
ENSG00000096968	JAK2	Janus kinase 2	9	p24.1
ENSG00000057019	DCBLD2	discoidin, CUB and LCCL domain containing 2	3	q12.1
ENSG00000126351	THRA	thyroid hormone receptor, alpha	17	q21.1
ENSG00000198561	CTNND1	catenin (cadherin-associated protein), delta 1	11	q12.1
ENSG00000144810	COL8A1	collagen, type VIII, alpha 1	3	q12.1
ENSG00000176715	ACSF3	acyl-CoA synthetase family member 3	16	q24.3
ENSG00000120738	EGR1	early growth response 1	5	q31.2
ENSG00000129910	CDH15	cadherin 15, type 1, M-cadherin (myotubule)	16	q24.3
ENSG00000113013	HSPA9	heat shock 70kDa protein 9 (mortalin)	5	q31.2
ENSG00000115904	SOS1	son of sevenless homolog 1 (Drosophila)	2	p22.1
ENSG00000164342	TLR3	toll-like receptor 3	4	q35.1
ENSG00000151632	AKR1C2	aldo-keto reductase family 1, member C2 (dihydrodiol dehydrogenase 2; bile acid binding protein; 3-alpha hydroxysteroid dehydrogenase, type III)	10	p15.1
ENSG00000044115	CTNNA1	catenin (cadherin-associated protein), alpha 1, 102kDa	5	q31.2
ENSG00000206535	LNP1	leukemia NUP98 fusion partner 1	3	q12.2
ENSG00000011566	MAP4K3	mitogen-activated protein kinase kinase kinase kinase 3	2	p22.1
ENSG00000131759	RARA	retinoic acid receptor, alpha	17	q21.2
ENSG00000120217	CD274	CD274 molecule	9	p24.1
ENSG00000131747	TOP2A	topoisomerase (DNA) II alpha 170kDa	17	q21.2
ENSG00000197646	PDCD1LG2	programmed cell death 1 ligand 2	9	p24.1
ENSG00000197558	SSPO	SCO-spondin homolog (Bos taurus)	7	q36.1
ENSG00000088827	SIGLEC1	sialic acid binding Ig-like lectin 1, sialoadhesin	20	p13
ENSG00000131746	TNS4	tensin 4	17	q21.2
ENSG00000110031	LPXN	leupaxin	11	q12.1
ENSG00000083857	FAT1	FAT tumor suppressor homolog 1 (Drosophila)	4	q35.2
ENSG00000170476	MZB1	marginal zone B and B1 cell-specific protein	5	q31.2
ENSG00000126353	CCR7	chemokine (C-C motif) receptor 7	17	q21.2
ENSG00000184584	TMEM173	transmembrane protein 173	5	q31.2
ENSG00000196139	AKR1C3	aldo-keto reductase family 1, member C3 (3-alpha hydroxysteroid dehydrogenase, type II)	10	p15.1
ENSG00000166840	GLYATL1	glycine-N-acyltransferase-like 1	11	q12.1

ENSG00000198542	ITGBL1	integrin, beta-like 1 (with EGF-like repeat domains)	13	q33.1
ENSG00000196329	GIMAP5	GTPase, IMAP family member 5	7	q36.1
ENSG00000173451	THAP2	THAP domain containing, apoptosis associated protein 2	12	q21.1
ENSG00000197629	MPEG1	macrophage expressed 1	11	q12.1
ENSG00000187741	FANCA	Fanconi anemia, complementation group A	16	q24.3
ENSG00000144802	NFKBIZ	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, zeta	3	q12.3
ENSG00000011332	DPF1	D4, zinc and double PHD fingers family 1	19	q13.2
ENSG00000171431	KRT20	keratin 20	17	q21.2
ENSG00000137033	IL33	interleukin 33	9	p24.1
ENSG00000170017	ALCAM	activated leukocyte cell adhesion molecule	3	q13.11
ENSG00000114423	CBLB	Cbl proto-oncogene, E3 ubiquitin protein ligase B	3	q13.11
ENSG00000166889	PATL1	protein associated with topoisomerase II homolog 1 (yeast)	11	q12.1
ENSG00000166900	STX3	syntaxin 3	11	q12.1
ENSG00000164867	NOS3	nitric oxide synthase 3 (endothelial cell)	7	q36.1
ENSG00000099341	PSMD8	proteasome (prosome, macropain) 26S subunit, non-ATPase, 8	19	q13.2
ENSG00000196776	CD47	CD47 molecule	3	q13.12
ENSG00000102104	RS1	retinoschisin 1	X	p22.13
ENSG00000178473	UCN3	urocortin 3	10	p15.1
ENSG00000114446	IFT57	intraflagellar transport 57 homolog (Chlamydomonas)	3	q13.13
ENSG00000171777	RASGRP4	RAS guanyl releasing protein 4	19	q13.2
ENSG00000139289	PHLDA1	pleckstrin homology-like domain, family A, member 1	12	q21.2
ENSG00000149534	MS4A2	membrane-spanning 4-domains, subfamily A, member 2	11	q12.1
ENSG00000173848	NET1	neuroepithelial cell transforming 1	10	p15.1
ENSG00000164885	CDK5	cyclin-dependent kinase 5	7	q36.1
ENSG00000164896	FASTK	Fas-activated serine/threonine kinase	7	q36.1
ENSG00000134897	BIVM	basic, immunoglobulin-like variable motif containing	13	q33.1
ENSG00000088888	MAVS	mitochondrial antiviral signaling protein	20	p13
ENSG00000156738	MS4A1	membrane-spanning 4-domains, subfamily A, member 1	11	q12.2
ENSG00000163519	TRAT1	T cell receptor associated transmembrane adaptor 1	3	q13.13
ENSG00000170458	CD14	CD14 molecule	5	q31.3
ENSG00000134899	ERCC5	excision repair cross-complementing rodent repair deficiency, complementation group 5	13	q33.1
ENSG00000113141	IK	IK cytokine, down-regulator of HLA II	5	q31.3

ENSG00000104814	MAP4K1	mitogen-activated protein kinase kinase kinase kinase 1	19	q13.2
ENSG00000067715	SYT1	synaptotagmin I	12	q21.2
ENSG00000177707	PVRL3	poliovirus receptor-related 3	3	q13.13
ENSG00000177425	PAWR	PRKC, apoptosis, WT1, regulator	12	q21.2
ENSG00000183134	PTGDR2	prostaglandin D2 receptor 2	11	q12.2
ENSG00000130402	ACTN4	actinin, alpha 4	19	q13.2
ENSG00000153283	CD96	CD96 molecule	3	q13.13
ENSG00000125255	SLC10A2	solute carrier family 10 (sodium/bile acid cotransporter family), member 2	13	q33.1
ENSG00000204970	PCDHA1	protocadherin alpha 1	5	q31.3
ENSG00000204969	PCDHA2	protocadherin alpha 2	5	q31.3
ENSG00000178934	LGALS7B	lectin, galactoside-binding, soluble, 7B	19	q13.2
ENSG00000013374	NUB1	negative regulator of ubiquitin-like proteins 1	7	q36.1
ENSG00000171747	LGALS4	lectin, galactoside-binding, soluble, 4	19	q13.2
ENSG00000204967	PCDHA4	protocadherin alpha 4	5	q31.3
ENSG00000125266	EFNB2	ephrin-B2	13	q33.3
ENSG00000204965	PCDHA5	protocadherin alpha 5	5	q31.3
ENSG00000139304	PTPRQ	protein tyrosine phosphatase, receptor type, Q	12	q21.31
ENSG00000013725	CD6	CD6 molecule	11	q12.2
ENSG00000204963	PCDHA7	protocadherin alpha 7	5	q31.3
ENSG00000111052	LIN7A	lin-7 homolog A (C. elegans)	12	q21.31
ENSG00000204962	PCDHA8	protocadherin alpha 8	5	q31.3
ENSG00000106617	PRKAG2	protein kinase, AMP-activated, gamma 2 non-catalytic subunit	7	q36.1
ENSG00000204961	PCDHA9	protocadherin alpha 9	5	q31.3
ENSG00000081842	PCDHA6	protocadherin alpha 6	5	q31.3
ENSG00000110448	CD5	CD5 molecule	11	q12.2
ENSG00000174500	GCSAM	germinal center-associated, signaling and motility	3	q13.2
ENSG00000174405	LIG4	ligase IV, DNA, ATP-dependent	13	q33.3
ENSG00000055609	MLL3	myeloid/lymphoid or mixed-lineage leukemia 3	7	q36.1
ENSG00000173801	JUP	junction plakoglobin	17	q21.2
ENSG00000104825	NFKB1B	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, beta	19	q13.2
ENSG00000091972	CD200	CD200 molecule	3	q13.2
ENSG00000171867	PRNP	prion protein	20	p13

ENSG00000171815	PCDHB1	protocadherin beta 1	5	q31.3
ENSG00000102524	TNFSF13B	tumor necrosis factor (ligand) superfamily, member 13b	13	q33.3
ENSG00000141756	FKBP10	FK506 binding protein 10, 65 kDa	17	q21.2
ENSG00000186265	BTLA	B and T lymphocyte associated	3	q13.2
ENSG00000112852	PCDHB2	protocadherin beta 2	5	q31.3
ENSG00000113205	PCDHB3	protocadherin beta 3	5	q31.3
ENSG00000144848	ATG3	autophagy related 3	3	q13.2
ENSG00000081818	PCDHB4	protocadherin beta 4	5	q31.3
ENSG00000113209	PCDHB5	protocadherin beta 5	5	q31.3
ENSG00000147010	SH3KBP1	SH3-domain kinase binding protein 1	X	p22.12
ENSG00000113211	PCDHB6	protocadherin beta 6	5	q31.3
ENSG00000113212	PCDHB7	protocadherin beta 7	5	q31.3
ENSG00000206531	CD200R1L	CD200 receptor 1-like	3	q13.2
ENSG00000163606	CD200R1	CD200 receptor 1	3	q13.2
ENSG00000120322	PCDHB8	protocadherin beta 8	5	q31.3
ENSG00000196584	XRCC2	X-ray repair complementing defective repair in Chinese hamster cells 2	7	q36.1
ENSG00000179751	SYCN	syncollin	19	q13.2
ENSG00000120324	PCDHB10	protocadherin beta 10	5	q31.3
ENSG00000197110	IL28B	interleukin 28B (interferon, lambda 3)	19	q13.2
ENSG00000183709	IL28A	interleukin 28A (interferon, lambda 2)	19	q13.2
ENSG00000197479	PCDHB11	protocadherin beta 11	5	q31.3
ENSG00000182393	IL29	interleukin 29 (interferon, lambda 1)	19	q13.2
ENSG00000120328	PCDHB12	protocadherin beta 12	5	q31.3
ENSG00000171132	PRKCE	protein kinase C, epsilon	2	p21
ENSG00000187372	PCDHB13	protocadherin beta 13	5	q31.3
ENSG00000144857	BOC	Boc homolog (mouse)	3	q13.2
ENSG00000185950	IRS2	insulin receptor substrate 2	13	q34
ENSG00000120327	PCDHB14	protocadherin beta 14	5	q31.3
ENSG00000011347	SYT7	synaptotagmin VII	11	q12.2
ENSG00000146001	PCDHB18	protocadherin beta 18 pseudogene	5	q31.3
ENSG00000187498	COL4A1	collagen, type IV, alpha 1	13	q34
ENSG00000113248	PCDHB15	protocadherin beta 15	5	q31.3

ENSG00000108773	KAT2A	K(lysine) acetyltransferase 2A	17	q21.2
ENSG00000128016	ZFP36	zinc finger protein 36, C3H type, homolog (mouse)	19	q13.2
ENSG00000090924	PLEKHG2	pleckstrin homology domain containing, family G (with RhoGef domain) member 2	19	q13.2
ENSG00000204956	PCDHGA1	protocadherin gamma subfamily A, 1	5	q31.3
ENSG00000108774	RAB5C	RAB5C, member RAS oncogene family	17	q21.2
ENSG00000134470	IL15RA	interleukin 15 receptor, alpha	10	p15.1
ENSG00000049130	KITLG	KIT ligand	12	q21.32
ENSG00000081853	PCDHGA2	protocadherin gamma subfamily A, 2	5	q31.3
ENSG00000164690	SHH	sonic hedgehog	7	q36.3
ENSG00000161610	HCRT	hypocretin (orexin) neuropeptide precursor	17	q21.2
ENSG00000139318	DUSP6	dual specificity phosphatase 6	12	q21.33
ENSG00000173757	STAT5B	signal transducer and activator of transcription 5B	17	q21.2
ENSG00000105197	TIMM50	translocase of inner mitochondrial membrane 50 homolog (<i>S. cerevisiae</i>)	19	q13.2
ENSG00000134460	IL2RA	interleukin 2 receptor, alpha	10	p15.1
ENSG00000139323	POC1B	POC1 centriolar protein homolog B (<i>Chlamydomonas</i>)	12	q21.33
ENSG00000126561	STAT5A	signal transducer and activator of transcription 5A	17	q21.2
ENSG00000171150	SOCS5	suppressor of cytokine signaling 5	2	p21
ENSG00000151577	DRD3	dopamine receptor D3	3	q13.31
ENSG00000176396	EID2	EP300 interacting inhibitor of differentiation 2	19	q13.2
ENSG00000168610	STAT3	signal transducer and activator of transcription 3 (acute-phase response factor)	17	q21.2
ENSG00000171720	HDAC3	histone deacetylase 3	5	q31.3
ENSG00000009335	UBE3C	ubiquitin protein ligase E3C	7	q36.3
ENSG00000197948	FCHSD1	FCH and double SH3 domains 1	5	q31.3
ENSG00000149503	INCENP	inner centromere protein antigens 135/155kDa	11	q12.3
ENSG00000177189	RPS6KA3	ribosomal protein S6 kinase, 90kDa, polypeptide 3	X	p22.12
ENSG00000147869	CER1	cerberus 1, cysteine knot superfamily, homolog (<i>Xenopus laevis</i>)	9	p22.3
ENSG00000119888	EPCAM	epithelial cell adhesion molecule	2	p21
ENSG00000105993	DNAJB6	DnaJ (Hsp40) homolog, subfamily B, member 6	7	q36.3
ENSG00000181847	TIGIT	T cell immunoreceptor with Ig and ITIM domains	3	q13.31
ENSG00000164946	FREM1	FRAS1 related extracellular matrix 1	9	p22.3
ENSG00000011465	DCN	decorin	12	q21.33
ENSG00000095002	MSH2	mutS homolog 2, colon cancer, nonpolyposis type 1 (<i>E. coli</i>)	2	p21

ENSG00000156453	PCDH1	protocadherin 1	5	q31.3
ENSG00000172020	GAP43	growth associated protein 43	3	q13.31
ENSG00000149021	SCGB1A1	secretoglobin, family 1A, member 1 (uteroglobin)	11	q12.3
ENSG00000185565	LSAMP	limbic system-associated membrane protein	3	q13.31
ENSG00000133639	BTG1	B-cell translocation gene 1, anti-proliferative	12	q21.33
ENSG0000013275	PSMC4	proteasome (prosome, macropain) 26S subunit, ATPase, 4	19	q13.2
ENSG00000144847	IGSF11	immunoglobulin superfamily, member 11	3	q13.32
ENSG00000116062	MSH6	mutS homolog 6 (E. coli)	2	p16.3
ENSG00000205057	CLLU10S	chronic lymphocytic leukemia up-regulated 1 opposite strand	12	q22
ENSG00000113555	PCDH12	protocadherin 12	5	q31.3
ENSG00000205056	CLLU1	chronic lymphocytic leukemia up-regulated 1	12	q22
ENSG00000102606	ARHGEF7	Rho guanine nucleotide exchange factor (GEF) 7	13	q34
ENSG00000131507	NDFIP1	Nedd4 family interacting protein 1	5	q31.3
ENSG00000130758	MAP3K10	mitogen-activated protein kinase kinase kinase 10	19	q13.2
ENSG00000177889	UBE2N	ubiquitin-conjugating enzyme E2N	12	q22
ENSG00000113578	FGF1	fibroblast growth factor 1 (acidic)	5	q31.3
ENSG00000105221	AKT2	v-akt murine thymoma viral oncogene homolog 2	19	q13.2
ENSG00000121594	CD80	CD80 molecule	3	q13.33
ENSG00000120833	SOCS2	suppressor of cytokine signaling 2	12	q22
ENSG00000065675	PRKCQ	protein kinase C, theta	10	p15.1
ENSG00000149489	ROM1	retinal outer segment membrane protein 1	11	q12.3
ENSG00000169372	CRADD	CASP2 and RIPK1 domain containing adaptor with death domain	12	q22
ENSG00000136040	PLXNC1	plexin C1	12	q22
ENSG00000184451	CCR10	chemokine (C-C motif) receptor 10	17	q21.2
ENSG00000108797	CNTNAP1	contactin associated protein 1	17	q21.2
ENSG00000179915	NRXN1	neurexin 1	2	p16.3
ENSG00000162191	UBXN1	UBX domain protein 1	11	q12.3
ENSG00000131477	RAMP2	receptor (G protein-coupled) activity modifying protein 2	17	q21.2
ENSG00000082701	GSK3B	glycogen synthase kinase 3 beta	3	q13.33
ENSG00000126562	WNK4	WNK lysine deficient protein kinase 4	17	q21.2
ENSG00000158497	HMHB1	histocompatibility (minor) HB-1	5	q31.3
ENSG00000126581	BECN1	beclin 1, autophagy related	17	q21.31

ENSG00000163430	FSTL1	follistatin-like 1	3	q13.33
ENSG00000068878	PSME4	proteasome (prosome, macropain) activator subunit 4	2	p16.2
ENSG00000168002	POLR2G	polymerase (RNA) II (DNA directed) polypeptide G	11	q12.3
ENSG00000131467	PSME3	proteasome (prosome, macropain) activator subunit 3 (PA28 gamma; Ki)	17	q21.31
ENSG00000090006	LTBP4	latent transforming growth factor beta binding protein 4	19	q13.2
ENSG00000131471	AOC3	amine oxidase, copper containing 3 (vascular adhesion protein 1)	17	q21.31
ENSG00000145087	STXBP5L	syntaxin binding protein 5-like	3	q13.33
ENSG00000107295	SH3GL2	SH3-domain GRB2-like 2	9	p22.2
ENSG00000126217	MCF2L	MCF.2 cell line derived transforming sequence-like	13	q34
ENSG00000105245	NUMBL	numb homolog (Drosophila)-like	19	q13.2
ENSG00000091010	POU4F3	POU class 4 homeobox 3	5	q32
ENSG00000068079	IFI35	interferon-induced protein 35	17	q21.31
ENSG00000156475	PPP2R2B	protein phosphatase 2, regulatory subunit B, beta	5	q32
ENSG00000115310	RTN4	reticulon 4	2	p16.1
ENSG00000012048	BRCA1	breast cancer 1, early onset	17	q21.31
ENSG00000057593	F7	coagulation factor VII (serum prothrombin conversion accelerator)	13	q34
ENSG00000168539	CHRM1	cholinergic receptor, muscarinic 1	11	q12.3
ENSG00000145088	EAF2	ELL associated factor 2	3	q13.33
ENSG00000176049	JAKMIP2	janus kinase and microtubule interacting protein 2	5	q32
ENSG00000163406	SLC15A2	solute carrier family 15 (H+/peptide transporter), member 2	3	q13.33
ENSG00000101311	FERMT1	fermitin family member 1	20	p12.3
ENSG00000145103	ILDR1	immunoglobulin-like domain containing receptor 1	3	q13.33
ENSG00000125845	BMP2	bone morphogenetic protein 2	20	p12.3
ENSG00000114013	CD86	CD86 molecule	3	q13.33
ENSG00000133710	SPINK5	serine peptidase inhibitor, Kazal type 5	5	q32
ENSG00000155876	RRAGA	Ras-related GTP binding A	9	p22.1
ENSG00000166130	IKBIP	IKBKB interacting protein	12	q23.1
ENSG00000120868	APAF1	apoptotic peptidase activating factor 1	12	q23.1
ENSG00000133317	LGALS12	lectin, galactoside-binding, soluble, 12	11	q12.3
ENSG00000133318	RTN3	reticulon 3	11	q13.1
ENSG00000169252	ADRB2	adrenoceptor beta 2, surface	5	q32
ENSG00000072518	MARK2	MAP/microtubule affinity-regulating kinase 2	11	q13.1

ENSG00000137154	RPS6	ribosomal protein S6	9	p22.1
ENSG00000105329	TGFB1	transforming growth factor, beta 1	19	q13.2
ENSG00000115392	FANCL	Fanconi anemia, complementation group L	2	p16.1
ENSG00000012504	NR1H4	nuclear receptor subfamily 1, group H, member 4	12	q23.1
ENSG00000119866	BCL11A	B-cell CLL/lymphoma 11A (zinc finger protein)	2	p16.1
ENSG00000127743	IL17B	interleukin 17B	5	q32
ENSG00000108861	DUSP3	dual specificity phosphatase 3	17	q21.31
ENSG00000177076	ACER2	alkaline ceramidase 2	9	p22.1
ENSG00000139842	CUL4A	cullin 4A	13	q34
ENSG00000161649	CD300LG	CD300 molecule-like family member g	17	q21.31
ENSG00000126500	FLRT1	fibronectin leucine rich transmembrane protein 1	11	q13.1
ENSG00000171843	MLLT3	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 3	9	p21.3
ENSG00000007129	CEACAM21	carcinoembryonic antigen-related cell adhesion molecule 21	19	q13.2
ENSG00000105352	CEACAM4	carcinoembryonic antigen-related cell adhesion molecule 4	19	q13.2
ENSG00000162924	REL	v-rel reticuloendotheliosis viral oncogene homolog (avian)	2	p16.1
ENSG00000007306	CEACAM7	carcinoembryonic antigen-related cell adhesion molecule 7	19	q13.2
ENSG00000149781	FERMT3	fermitin family member 3	11	q13.1
ENSG00000105388	CEACAM5	carcinoembryonic antigen-related cell adhesion molecule 5	19	q13.2
ENSG00000196091	MYBPC1	myosin binding protein C, slow type	12	q23.2
ENSG00000086548	CEACAM6	carcinoembryonic antigen-related cell adhesion molecule 6 (non-specific cross reacting antigen)	19	q13.2
ENSG00000170956	CEACAM3	carcinoembryonic antigen-related cell adhesion molecule 3	19	q13.2
ENSG00000182578	CSF1R	colony stimulating factor 1 receptor	5	q32
ENSG00000173511	VEGFB	vascular endothelial growth factor B	11	q13.1
ENSG00000108840	HDAC5	histone deacetylase 5	17	q21.31
ENSG00000173486	FKBP2	FK506 binding protein 2, 13kDa	11	q13.1
ENSG00000113721	PDGFRB	platelet-derived growth factor receptor, beta polypeptide	5	q32
ENSG00000111666	CHPT1	choline phosphotransferase 1	12	q23.2
ENSG00000105369	CD79A	CD79a molecule, immunoglobulin-associated alpha	19	q13.2
ENSG00000002330	BAD	BCL2-associated agonist of cell death	11	q13.1
ENSG00000136048	DRAM1	DNA-damage regulated autophagy modulator 1	12	q23.2
ENSG00000169306	IL1RAPL1	interleukin 1 receptor accessory protein-like 1	X	p21.3
ENSG00000171855	IFNB1	interferon, beta 1, fibroblast	9	p21.3

ENSG00000177047	IFNW1	interferon, omega 1	9	p21.3
ENSG00000101349	PAK7	p21 protein (Cdc42/Rac)-activated kinase 7	20	p12.2
ENSG00000186009	ATP4B	ATPase, H ⁺ /K ⁺ exchanging, beta polypeptide	13	q34
ENSG00000137080	IFNA21	interferon, alpha 21	9	p21.3
ENSG00000185974	GRK1	G protein-coupled receptor kinase 1	13	q34
ENSG00000019582	CD74	CD74 molecule, major histocompatibility complex, class II invariant chain solute carrier family 4, anion exchanger, member 1 (erythrocyte membrane protein band 3, Diego blood group)	5	q33.1
ENSG00000004939	SLC4A1		17	q21.31
ENSG00000017427	IGF1	insulin-like growth factor 1 (somatomedin C)	12	q23.2
ENSG00000126432	PRDX5	peroxiredoxin 5	11	q13.1
ENSG00000160145	KALRN	kalirin, RhoGEF kinase	3	q21.1
ENSG00000139352	ASCL1	achaete-scute complex homolog 1 (Drosophila)	12	q23.2
ENSG00000030582	GRN	granulin	17	q21.31
ENSG00000186803	IFNA10	interferon, alpha 10	9	p21.3
ENSG00000136011	STAB2	stabilin 2	12	q23.3
ENSG00000197329	PEL1	pellino E3 ubiquitin protein ligase 1	2	p14
ENSG00000162302	RPS6KA4	ribosomal protein S6 kinase, 90kDa, polypeptide 4	11	q13.1
ENSG00000147885	IFNA16	interferon, alpha 16	9	p21.3
ENSG00000160570	DEDD2	death effector domain containing 2	19	q13.2
ENSG00000005961	ITGA2B	integrin, alpha 2b (platelet glycoprotein IIb of IIb/IIIa complex, antigen CD41)	17	q21.31
ENSG00000082781	ITGB5	integrin, beta 5	3	q21.2
ENSG00000132639	SNAP25	synaptosomal-associated protein, 25kDa	20	p12.2
ENSG00000147873	IFNA5	interferon, alpha 5	9	p21.3
ENSG00000163848	ZNF148	zinc finger protein 148	3	q21.2
ENSG00000198642	KLHL9	kelch-like 9 (Drosophila)	9	p21.3
ENSG00000079462	PAFAH1B3	platelet-activating factor acetylhydrolase 1b, catalytic subunit 3 (29kDa)	19	q13.2
ENSG00000125863	MKKS	McKusick-Kaufman syndrome	20	p12.2
ENSG00000120235	IFNA6	interferon, alpha 6	9	p21.3
ENSG00000166598	HSP90B1	heat shock protein 90kDa beta (Grp94), member 1	12	q23.3
ENSG00000145901	TNIP1	TNFAIP3 interacting protein 1	5	q33.1
ENSG00000114520	SNX4	sorting nexin 4	3	q21.2
ENSG00000188379	IFNA2	interferon, alpha 2	9	p21.3

ENSG00000101384	JAG1	jagged 1	20	p12.2
ENSG00000073670	ADAM11	ADAM metallopeptidase domain 11	17	q21.31
ENSG00000120242	IFNA8	interferon, alpha 8	9	p21.3
ENSG00000183049	CAMK1D	calcium/calmodulin-dependent protein kinase ID	10	p13
ENSG00000111727	HCFC2	host cell factor C2	12	q23.3
ENSG00000197919	IFNA1	interferon, alpha 1	9	p21.3
ENSG00000110076	NRXN2	neurexin 2	11	q13.1
ENSG00000114547	ROPN1B	rhophilin associated tail protein 1B	3	q21.2
ENSG00000189377	CXCL17	chemokine (C-X-C motif) ligand 17	19	q13.2
ENSG00000184995	IFNE	interferon, epsilon	9	p21.3
ENSG00000079385	CEACAM1	carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein)	19	q13.2
ENSG00000197223	C1D	C1D nuclear receptor corepressor	2	p14
ENSG00000171310	CHST11	carbohydrate (chondroitin 4) sulfotransferase 11	12	q23.3
ENSG00000086570	FAT2	FAT tumor suppressor homolog 2 (Drosophila)	5	q33.1
ENSG00000147889	CDKN2A	cyclin-dependent kinase inhibitor 2A	9	p21.3
ENSG00000113140	SPARC	secreted protein, acidic, cysteine-rich (osteonectin)	5	q33.1
ENSG00000131094	C1QL1	complement component 1, q subcomponent-like 1	17	q21.31
ENSG00000115956	PLEK	pleckstrin	2	p14
ENSG00000124469	CEACAM8	carcinoembryonic antigen-related cell adhesion molecule 8	19	q13.2
ENSG00000169618	PROKR1	prokineticin receptor 1	2	p13.3
ENSG00000147883	CDKN2B	cyclin-dependent kinase inhibitor 2B (p15, inhibits CDK4)	9	p21.3
ENSG00000163217	BMP10	bone morphogenetic protein 10	2	p13.3
ENSG00000169604	ANTXR1	anthrax toxin receptor 1	2	p13.3
ENSG00000013503	POLR3B	polymerase (RNA) III (DNA directed) polypeptide B	12	q23.3
ENSG00000111783	RFX4	regulatory factor X, 4 (influences HLA class II expression)	12	q23.3
ENSG00000159314	ARHGAP27	Rho GTPase activating protein 27	17	q21.31
ENSG00000113196	HAND1	heart and neural crest derivatives expressed 1	5	q33.2
ENSG00000114631	PODXL2	podocalyxin-like 2	3	q21.3
ENSG00000196975	ANXA4	annexin A4	2	p13.3
ENSG00000096872	IFT74	intraflagellar transport 74 homolog (Chlamydomonas)	9	p21.2
ENSG00000204936	CD177	CD177 molecule	19	q13.31
ENSG00000204933	CD177P1	CD177 molecule pseudogene 1	19	q13.31

ENSG00000120156	TEK	TEK tyrosine kinase, endothelial	9	p21.2
ENSG00000168067	MAP4K2	mitogen-activated protein kinase kinase kinase kinase 2	11	q13.1
ENSG00000116001	TIA1	TIA1 cytotoxic granule-associated RNA binding protein	2	p13.3
ENSG00000179348	GATA2	GATA binding protein 2	3	q21.3
ENSG00000125848	FLRT3	fibronectin leucine rich transmembrane protein 3	20	p12.1
ENSG00000145850	TIMD4	T-cell immunoglobulin and mucin domain containing 4	5	q33.3
ENSG00000075035	WSCD2	WSC domain containing 2	12	q23.3
ENSG00000113249	HAVCR1	hepatitis A virus cellular receptor 1	5	q33.3
ENSG00000073050	XRCC1	X-ray repair complementing defective repair in Chinese hamster cells 1	19	q13.31
ENSG00000135077	HAVCR2	hepatitis A virus cellular receptor 2	5	q33.3
ENSG00000174600	CMKLR1	chemokine-like receptor 1	12	q23.3
ENSG00000075785	RAB7A	RAB7A, member RAS oncogene family	3	q21.3
ENSG00000167378	IRGQ	immunity-related GTPase family, Q	19	q13.31
ENSG00000075856	SART3	squamous cell carcinoma antigen recognized by T cells 3	12	q23.3
ENSG00000113263	ITK	IL2-inducible T-cell kinase	5	q33.3
ENSG00000133895	MEN1	multiple endocrine neoplasia I	11	q13.1
ENSG00000105767	CADM4	cell adhesion molecule 4	19	q13.31
ENSG00000055163	CYFIP2	cytoplasmic FMR1 interacting protein 2	5	q33.3
ENSG00000147896	IFNK	interferon, kappa	9	p21.2
ENSG00000011422	PLAUR	plasminogen activator, urokinase receptor	19	q13.31
ENSG00000110876	SELPLG	selectin P ligand	12	q24.11
ENSG00000169704	GP9	glycoprotein IX (platelet)	3	q21.3
ENSG00000110880	CORO1C	coronin, actin binding protein, 1C	12	q24.11
ENSG00000124449	IRGC	immunity-related GTPase family, cinema	19	q13.31
ENSG00000112679	DUSP22	dual specificity phosphatase 22	6	p25.3
ENSG00000073969	NSF	N-ethylmaleimide-sensitive factor	17	q21.31
ENSG00000181789	COPG	coatamer protein complex, subunit gamma 1	3	q21.3
ENSG00000152672	CLEC4F	C-type lectin domain family 4, member F	2	p13.3
ENSG00000116031	CD207	CD207 molecule, langerin	2	p13.3
ENSG00000137265	IRF4	interferon regulatory factor 4	6	p25.3
ENSG00000108379	WNT3	wingless-type MMTV integration site family, member 3	17	q21.32
ENSG00000113282	CLINT1	clathrin interactor 1	5	q33.3

ENSG00000110047	EHD1	EH-domain containing 1	11 q13.1
ENSG00000047597	XK	X-linked Kx blood group (McLeod syndrome)	X p21.1
ENSG00000076248	UNG	uracil-DNA glycosylase	12 q24.11
ENSG00000164330	EBF1	early B-cell factor 1	5 q33.3
ENSG00000165168	CYBB	cytochrome b-245, beta polypeptide	X p21.1
ENSG00000144043	TEX261	testis expressed 261	2 p13.3
ENSG00000129071	MBD4	methyl-CpG binding domain protein 4	3 q21.3
ENSG00000107201	DDX58	DEAD (Asp-Glu-Ala-Asp) box polypeptide 58	9 p21.1
ENSG00000163913	IFT122	intraflagellar transport 122 homolog (Chlamydomonas)	3 q21.3
ENSG00000112685	EXOC2	exocyst complex component 2	6 p25.3
ENSG00000113302	IL12B	interleukin 12B (natural killer cell stimulatory factor 2, cytotoxic lymphocyte maturation factor 2, p40)	5 q33.3
ENSG00000170214	ADRA1B	adrenoceptor alpha 1B	5 q33.3
ENSG00000197579	TOPORS	topoisomerase I binding, arginine/serine-rich, E3 ubiquitin protein ligase	9 p21.1
ENSG00000164379	FOXQ1	forkhead box Q1	6 p25.3
ENSG00000054598	FOXC1	forkhead box C1	6 p25.3
ENSG00000145861	C1QTNF2	C1q and tumor necrosis factor related protein 2	5 q33.3
ENSG00000101955	SRPX	sushi-repeat containing protein, X-linked	X p11.4
ENSG00000112699	GMDS	GDP-mannose 4,6-dehydratase	6 p25.3
ENSG00000073861	TBX21	T-box 21	17 q21.32
ENSG00000144036	EXOC6B	exocyst complex component 6B	2 p13.2
ENSG00000172752	COL6A5	collagen, type VI, alpha 5	3 q22.1
ENSG00000206384	COL6A6	collagen, type VI, alpha 6	3 q22.1
ENSG00000152457	DCLRE1C	DNA cross-link repair 1C	10 p13
ENSG00000017260	ATP2C1	ATPase, Ca ⁺⁺ transporting, type 2C, member 1	3 q22.1
ENSG00000073008	PVR	poliovirus receptor	19 q13.31
ENSG00000116127	ALMS1	Alstrom syndrome 1	2 p13.1
ENSG00000113328	CCNG1	cyclin G1	5 q34
ENSG00000082641	NFE2L1	nuclear factor (erythroid-derived 2)-like 1	17 q21.32
ENSG00000186567	CEACAM19	carcinoembryonic antigen-related cell adhesion molecule 19	19 q13.31
ENSG00000170584	NUDCD2	NudC domain containing 2	5 q34
ENSG00000069399	BCL3	B-cell CLL/lymphoma 3	19 q13.32

ENSG00000114670	NEK11	NIMA-related kinase 11	3	q22.1
ENSG00000162298	SYVN1	synovial apoptosis inhibitor 1, synoviolin	11	q13.1
ENSG00000187244	BCAM	basal cell adhesion molecule (Lutheran blood group)	19	q13.32
ENSG00000170542	SERPINB9	serpin peptidase inhibitor, clade B (ovalbumin), member 9	6	p25.2
ENSG00000141293	SKAP1	src kinase associated phosphoprotein 1	17	q21.32
ENSG00000124356	STAMBP	STAM binding protein	2	p13.1
ENSG00000130202	PVRL2	poliovirus receptor-related 2 (herpesvirus entry mediator B)	19	q13.32
ENSG00000086062	B4GALT1	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1	9	p21.1
ENSG00000125850	OVOL2	ovo-like 2 (Drosophila)	20	p11.23
ENSG00000130203	APOE	apolipoprotein E	19	q13.32
ENSG00000182742	HOXB4	homeobox B4	17	q21.32
ENSG00000130208	APOC1	apolipoprotein C-I	19	q13.32
ENSG00000122970	IFT81	intraflagellar transport 81 homolog (Chlamydomonas)	12	q24.11
ENSG00000133884	DPF2	D4, zinc and double PHD fingers family 2	11	q13.1
ENSG00000107262	BAG1	BCL2-associated athanogene	9	p13.3
ENSG00000174437	ATP2A2	ATPase, Ca ⁺⁺ transporting, cardiac muscle, slow twitch 2	12	q24.11
ENSG00000104853	CLPTM1	cleft lip and palate associated transmembrane protein 1	19	q13.32
ENSG00000184347	SLIT3	slit homolog 3 (Drosophila)	5	q35.1
ENSG00000104856	RELB	v-rel reticuloendotheliosis viral oncogene homolog B	19	q13.32
ENSG00000129048	CCRL1	chemokine (C-C motif) receptor-like 1	3	q22.1
ENSG00000134516	DOCK2	dedicator of cytokinesis 2	5	q35.1
ENSG00000124486	USP9X	ubiquitin specific peptidase 9, X-linked	X	p11.4
ENSG00000168056	LTBP3	latent transforming growth factor beta binding protein 3	11	q13.1
ENSG00000189114	BLOC1S3	biogenesis of lysosomal organelles complex-1, subunit 3	19	q13.32
ENSG00000132664	POLR3F	polymerase (RNA) III (DNA directed) polypeptide F, 39 kDa	20	p11.23
ENSG00000043462	LCP2	lymphocyte cytosolic protein 2 (SH2 domain containing leukocyte protein of 76kDa)	5	q35.1
ENSG00000007047	MARK4	MAP/microtubule affinity-regulating kinase 4	19	q13.32
ENSG00000077943	ITGA8	integrin, alpha 8	10	p13
ENSG00000136436	CALCOCO2	calcium binding and coiled-coil domain 2	17	q21.32
ENSG00000114993	RTKN	rhotekin	2	p13.1
ENSG00000159202	UBE2Z	ubiquitin-conjugating enzyme E2Z	17	q21.32
ENSG00000137275	RIPK1	receptor (TNFRSF)-interacting serine-threonine kinase 1	6	p25.2

ENSG00000148481	FAM188A	family with sequence similarity 188, member A	10	p13
ENSG00000104884	ERCC2	excision repair cross-complementing rodent repair deficiency, complementation group 2	19	q13.32
ENSG00000174640	SLCO2A1	solute carrier organic anion transporter family, member 2A1	3	q22.2
ENSG00000159217	IGF2BP1	insulin-like growth factor 2 mRNA binding protein 1	17	q21.32
ENSG00000104881	PPP1R13L	protein phosphatase 1, regulatory subunit 13 like	19	q13.32
ENSG00000164438	TLX3	T-cell leukemia homeobox 3	5	q35.1
ENSG00000173327	MAP3K11	mitogen-activated protein kinase kinase kinase 11	11	q13.1
ENSG00000181163	NPM1	nucleophosmin (nucleolar phosphoprotein B23, numatrin)	5	q35.1
ENSG00000167080	B4GALNT2	beta-1,4-N-acetyl-galactosaminyl transferase 2	17	q21.32
ENSG00000163785	RYK	receptor-like tyrosine kinase	3	q22.2
ENSG00000117877	CD3EAP	CD3e molecule, epsilon associated protein	19	q13.32
ENSG00000086102	NFX1	nuclear transcription factor, X-box binding 1	9	p13.3
ENSG00000012061	ERCC1	excision repair cross-complementing rodent repair deficiency, complementation group 1 (includes overlapping antisense sequence)	19	q13.32
ENSG00000137267	TUBB2A	tubulin, beta 2A class IIa	6	p25.2
ENSG00000173039	RELA	v-rel reticuloendotheliosis viral oncogene homolog A (avian)	11	q13.1
ENSG00000115297	TLX2	T-cell leukemia homeobox 2	2	p13.1
ENSG00000167085	PHB	prohibitin	17	q21.33
ENSG00000172977	KAT5	K(lysine) acetyltransferase 5	11	q13.1
ENSG00000147044	CASK	calcium/calmodulin-dependent serine protein kinase (MAGUK family)	X	p11.4
ENSG00000165985	C1QL3	complement component 1, q subcomponent-like 3	10	p13
ENSG00000064300	NGFR	nerve growth factor receptor	17	q21.33
ENSG00000180822	PSMG4	proteasome (prosome, macropain) assembly chaperone 4	6	p25.2
ENSG00000111275	ALDH2	aldehyde dehydrogenase 2 family (mitochondrial)	12	q24.12
ENSG00000115317	HTRA2	HtrA serine peptidase 2	2	p13.1
ENSG00000174705	SH3PXD2B	SH3 and PX domains 2B	5	q35.1
ENSG00000120129	DUSP1	dual specificity phosphatase 1	5	q35.1
ENSG00000172757	CFL1	cofilin 1 (non-muscle)	11	q13.1
ENSG00000010310	GIPR	gastric inhibitory polypeptide receptor	19	q13.32
ENSG00000115325	DOK1	docking protein 1, 62kDa (downstream of tyrosine kinase 1)	2	p13.1
ENSG00000135148	TRAFD1	TRAF-type zinc finger domain containing 1	12	q24.13
ENSG00000172543	CTSW	cathepsin W	11	q13.1

ENSG00000165272	AQP3	aquaporin 3 (Gill blood group)	9 p13.3
ENSG00000132669	RIN2	Ras and Rab interactor 2	20 p11.23
ENSG00000113734	BNIP1	BCL2/adenovirus E1B 19kDa interacting protein 1	5 q35.1
ENSG00000135622	SEMA4F	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4F	2 p13.1
ENSG00000005884	ITGA3	integrin, alpha 3 (antigen CD49C, alpha 3 subunit of VLA-3 receptor)	17 q21.33
ENSG00000158092	NCK1	NCK adaptor protein 1	3 q22.3
ENSG00000107611	CUBN	cubilin (intrinsic factor-cobalamin receptor)	10 p13
ENSG00000175602	CCDC85B	coiled-coil domain containing 85B	11 q13.1
ENSG00000174564	IL20RB	interleukin 20 receptor beta	3 q22.3
ENSG00000183072	NKX2-5	NK2 homeobox 5	5 q35.1
ENSG00000175592	FOSL1	FOS-like antigen 1	11 q13.1
ENSG00000066405	CLDN18	claudin 18	3 q22.3
ENSG00000175467	SART1	squamous cell carcinoma antigen recognized by T cells	11 q13.1
ENSG00000115353	TACR1	tachykinin receptor 1	2 p12
ENSG00000104941	RSPH6A	radial spoke head 6 homolog A (Chlamydomonas)	19 q13.32
ENSG00000125755	SYMPK	symplekin	19 q13.32
ENSG00000115363	FAM176A	eva-1 homolog A (C. elegans)	2 p12
ENSG00000108821	COL1A1	collagen, type I, alpha 1	17 q21.33
ENSG00000170604	IRF2BP1	interferon regulatory factor 2 binding protein 1	19 q13.32
ENSG00000120149	MSX2	msh homeobox 2	5 q35.2
ENSG00000205274	TRBV20OR9-2	T cell receptor beta variable 20/OR9-2 (non-functional)	9 p13.3
ENSG00000184845	DRD1	dopamine receptor D1	5 q35.2
ENSG00000143954	REG3G	regenerating islet-derived 3 gamma	2 p12
ENSG00000069535	MAOB	monoamine oxidase B	X p11.3
ENSG00000183938	TRBV21OR9-2	T cell receptor beta variable 21/OR9-2 (pseudogene)	9 p13.3
ENSG00000113749	HRH2	histamine receptor H2	5 q35.2
ENSG00000172016	REG3A	regenerating islet-derived 3 alpha	2 p12
ENSG00000145920	CPLX2	complexin 2	5 q35.2
ENSG00000066032	CTNNA2	catenin (cadherin-associated protein), alpha 2	2 p12
ENSG00000158234	FAIM	Fas apoptotic inhibitory molecule	3 q22.3
ENSG00000167107	ACSF2	acyl-CoA synthetase family member 2	17 q21.33

ENSG00000051382	PIK3CB	phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit beta	3	q22.3
ENSG00000183770	FOXL2	forkhead box L2	3	q22.3
ENSG00000160014	CALM3	calmodulin 3 (phosphorylase kinase, delta)	19	q13.32
ENSG00000174807	CD248	CD248 molecule, endosialin	11	q13.2
ENSG00000006283	CACNA1G	calcium channel, voltage-dependent, T type, alpha 1G subunit	17	q21.33
ENSG00000174791	RIN1	Ras and Rab interactor 1	11	q13.2
ENSG00000160013	PTGIR	prostaglandin I2 (prostacyclin) receptor (IP)	19	q13.32
ENSG00000152284	TCF7L1	transcription factor 7-like 1 (T-cell specific, HMG-box)	2	p11.2
ENSG00000113194	FAF2	Fas associated factor family member 2	5	q35.2
ENSG00000105287	PRKD2	protein kinase D2	19	q13.32
ENSG00000089225	TBX5	T-box 5	12	q24.21
ENSG00000074276	CDHR2	cadherin-related family member 2	5	q35.2
ENSG00000158258	CLSTN2	calsyntenin 2	3	q23
ENSG00000115459	ELMOD3	ELMO/CED-12 domain containing 3	2	p11.2
ENSG00000135111	TBX3	T-box 3	12	q24.21
ENSG00000074317	SNCB	synuclein, beta	5	q35.2
ENSG00000042753	AP2S1	adaptor-related protein complex 2, sigma 1 subunit	19	q13.32
ENSG00000125820	NKX2-2	NK2 homeobox 2	20	p11.22
ENSG00000125813	PAX1	paired box 1	20	p11.22
ENSG00000113763	UNC5A	unc-5 homolog A (<i>C. elegans</i>)	5	q35.2
ENSG00000114125	RNF7	ring finger protein 7	3	q23
ENSG00000125798	FOXA2	forkhead box A2	20	p11.21
ENSG00000108848	LUC7L3	LUC7-like 3 (<i>S. cerevisiae</i>)	17	q21.33
ENSG00000112799	LY86	lymphocyte antigen 86	6	p25.1
ENSG00000135116	HRK	harakiri, BCL2 interacting protein (contains only BH3 domain)	12	q24.22
ENSG00000114126	TFDP2	transcription factor Dp-2 (E2F dimerization partner 2)	3	q23
ENSG00000173714	WFIKKN2	WAP, follistatin/kazal, immunoglobulin, kunitz and netrin domain containing 2	17	q21.33
ENSG00000105327	BBC3	BCL2 binding component 3	19	q13.32
ENSG00000088992	TESC	tescalcin	12	q24.22
ENSG00000174080	CTSF	cathepsin F	11	q13.2
ENSG00000164978	NUDT2	nudix (nucleoside diphosphate linked moiety X)-type motif 2	9	p13.3
ENSG00000197405	C5AR1	complement component 5a receptor 1	19	q13.32

ENSG00000134830	GPR77	G protein-coupled receptor 77	19 q13.32
ENSG00000178726	THBD	thrombomodulin	20 p11.21
ENSG00000115523	GNLY	granulysin	2 p11.2
ENSG00000125810	CD93	CD93 molecule	20 p11.21
ENSG00000175054	ATR	ataxia telangiectasia and Rad3 related	3 q23
ENSG00000173898	SPTBN2	spectrin, beta, non-erythrocytic 2	11 q13.2
ENSG00000176834	VSIG10	V-set and immunoglobulin domain containing 10	12 q24.23
ENSG00000024422	EHD2	EH-domain containing 2	19 q13.33
ENSG00000125823	CSTL1	cystatin-like 1	20 p11.21
ENSG00000173020	ADRBK1	adrenergic, beta, receptor kinase 1	11 q13.2
ENSG00000096696	DSP	desmoplakin	6 p24.3
ENSG00000111725	PRKAB1	protein kinase, AMP-activated, beta 1 non-catalytic subunit	12 q24.23
ENSG00000153563	CD8A	CD8a molecule	2 p11.2
ENSG00000122756	CNTFR	ciliary neurotrophic factor receptor	9 p13.3
ENSG00000153162	BMP6	bone morphogenetic protein 6	6 p24.3
ENSG00000108924	HLF	hepatic leukemia factor	17 q22
ENSG00000172116	CD8B	CD8b molecule	2 p11.2
ENSG00000108960	MMD	monocyte to macrophage differentiation-associated	17 q22
ENSG00000105483	CARD8	caspase recruitment domain family, member 8	19 q13.33
ENSG00000111737	RAB35	RAB35, member RAS oncogene family	12 q24.23
ENSG00000175505	CLCF1	cardiotrophin-like cytokine factor 1	11 q13.2
ENSG00000183691	NOG	noggin	17 q22
ENSG00000172613	RAD9A	RAD9 homolog A (S. pombe)	11 q13.2
ENSG00000188313	PLSCR1	phospholipid scramblase 1	3 q24
ENSG00000153933	DGKE	diacylglycerol kinase, epsilon 64kDa	17 q22
ENSG00000137100	DCTN3	dynactin 3 (p22)	9 p13.3
ENSG00000196923	PDLIM7	PDZ and LIM domain 7 (enigma)	5 q35.3
ENSG00000124802	EEF1E1	eukaryotic translation elongation factor 1 epsilon 1	6 p24.3
ENSG00000144891	AGTR1	angiotensin II receptor, type 1	3 q24
ENSG00000089159	PXN	paxillin	12 q24.23
ENSG00000163751	CPA3	carboxypeptidase A3 (mast cell)	3 q24
ENSG00000183258	DDX41	DEAD (Asp-Glu-Ala-Asp) box polypeptide 41	5 q35.3

ENSG00000170890	PLA2G1B	phospholipase A2, group IB (pancreas)	12	q24.31
ENSG00000137070	IL11RA	interleukin 11 receptor, alpha	9	p13.3
ENSG00000172071	EIF2AK3	eukaryotic translation initiation factor 2-alpha kinase 3	2	p11.2
ENSG00000105443	CYTH2	cytohesin 2	19	q13.33
ENSG00000136451	VEZF1	vascular endothelial zinc finger 1	17	q22
ENSG00000170855	TRIAP1	TP53 regulated inhibitor of apoptosis 1	12	q24.31
ENSG00000197794	IGKV7-3	immunoglobulin kappa variable 7-3 (pseudogene)	2	p11.2
ENSG00000175325	PROP1	PROP paired-like homeobox 1	5	q35.3
ENSG00000084207	GSTP1	glutathione S-transferase pi 1	11	q13.2
ENSG00000177202	SPACA4	sperm acrosome associated 4	19	q13.33
ENSG00000121053	EPX	eosinophil peroxidase	17	q22
ENSG00000063176	SPHK2	sphingosine kinase 2	19	q13.33
ENSG0000018408	WWTR1	WW domain containing transcription regulator 1	3	q25.1
ENSG00000078403	MLLT10	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 10	10	p12.31
ENSG00000172005	MAL	mal, T-cell differentiation protein	2	q11.1
ENSG00000111846	GCNT2	glucosaminyl (N-acetyl) transferase 2, I-branching enzyme (I blood group)	6	p24.3
ENSG00000005381	MPO	myeloperoxidase	17	q22
ENSG00000172724	CCL19	chemokine (C-C motif) ligand 19	9	p13.3
ENSG00000157837	SPPL3	signal peptide peptidase like 3	12	q24.31
ENSG00000182264	IZUMO1	izumo sperm-egg fusion 1	19	q13.33
ENSG00000137077	CCL21	chemokine (C-C motif) ligand 21	9	p13.3
ENSG00000174951	FUT1	fucosyltransferase 1 (galactoside 2-alpha-L-fucosyltransferase, H blood group)	19	q13.33
ENSG00000115041	KCNIP3	Kv channel interacting protein 3, calsenilin	2	q11.1
ENSG00000110719	TCIRG1	T-cell, immune regulator 1, ATPase, H+ transporting, lysosomal V0 subunit A3	11	q13.2
ENSG00000089041	P2RX7	purinergic receptor P2X, ligand-gated ion channel, 7	12	q24.31
ENSG00000108387	SEPT4	septin 4	17	q22
ENSG00000181788	SIAH2	siah E3 ubiquitin protein ligase 2	3	q25.1
ENSG00000087074	PPP1R15A	protein phosphatase 1, regulatory subunit 15A	19	q13.33
ENSG00000135124	P2RX4	purinergic receptor P2X, ligand-gated ion channel, 4	12	q24.31
ENSG00000162337	LRP5	low density lipoprotein receptor-related protein 5	11	q13.2
ENSG00000176783	RUFY1	RUN and FYVE domain containing 1	5	q35.3
ENSG00000165280	VCP	valosin containing protein	9	p13.3

ENSG00000124827	GCM2	glial cells missing homolog 2 (Drosophila)	6	p24.2
ENSG00000087088	BAX	BCL2-associated X protein	19	q13.33
ENSG00000069482	GAL	galanin/GMAP prepropeptide	11	q13.2
ENSG00000111859	NEDD9	neural precursor cell expressed, developmentally down-regulated 9	6	p24.2
ENSG00000169313	P2RY12	purinergic receptor P2Y, G-protein coupled, 12	3	q25.1
ENSG00000152580	IGSF10	immunoglobulin superfamily, member 10	3	q25.1
ENSG00000132740	IGHMBP2	immunoglobulin mu binding protein 2	11	q13.3
ENSG00000170633	RNF34	ring finger protein 34, E3 ubiquitin protein ligase	12	q24.31
ENSG00000095951	HIVEP1	human immunodeficiency virus type I enhancer binding protein 1	6	p24.1
ENSG00000104827	CGB	chorionic gonadotropin, beta polypeptide	19	q13.33
ENSG00000141367	CLTC	clathrin, heavy chain (Hc)	17	q23.1
ENSG00000126759	CFP	complement factor properdin	X	p11.23
ENSG00000141378	PTRH2	peptidyl-tRNA hydrolase 2	17	q23.1
ENSG00000161011	SQSTM1	sequestosome 1	5	q35.3
ENSG00000078401	EDN1	endothelin 1	6	p24.1
ENSG00000172927	MYEOV	myeloma overexpressed (in a subset of t(11;14) positive multiple myelomas)	11	q13.3
ENSG00000110092	CCND1	cyclin D1	11	q13.3
ENSG00000108443	RPS6KB1	ribosomal protein S6 kinase, 70kDa, polypeptide 1	17	q23.1
ENSG00000162344	FGF19	fibroblast growth factor 19	11	q13.3
ENSG00000075388	FGF4	fibroblast growth factor 4	11	q13.3
ENSG00000186895	FGF3	fibroblast growth factor 3	11	q13.3
ENSG00000110801	PSMD9	proteasome (prosome, macropain) 26S subunit, non-ATPase, 9	12	q24.31
ENSG00000113269	RNF130	ring finger protein 130	5	q35.3
ENSG00000110987	BCL7A	B-cell CLL/lymphoma 7A	12	q24.31
ENSG00000168758	SEMA4C	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4C	2	q11.2
ENSG00000168040	FADD	Fas (TNFRSF6)-associated via death domain	11	q13.3
ENSG00000104863	LIN7B	lin-7 homolog B (C. elegans)	19	q13.33
ENSG00000050748	MAPK9	mitogen-activated protein kinase 9	5	q35.3
ENSG00000204671	IL31	interleukin 31	12	q24.31
ENSG00000184047	DIABLO	diablo, IAP-binding mitochondrial protein	12	q24.31
ENSG00000161055	SCGB3A1	secretoglobin, family 3A, member 1	5	q35.3

ENSG00000139719	VPS33A	vacuolar protein sorting 33 homolog A (<i>S. cerevisiae</i>)	12	q24.31
ENSG00000198722	UNC13B	unc-13 homolog B (<i>C. elegans</i>)	9	p13.3
ENSG00000130529	TRPM4	transient receptor potential cation channel, subfamily M, member 4	19	q13.33
ENSG00000104894	CD37	CD37 molecule	19	q13.33
ENSG00000115085	ZAP70	zeta-chain (TCR) associated protein kinase 70kDa	2	q11.2
ENSG00000131068	DEFB118	defensin, beta 118	20	q11.21
ENSG00000137101	CD72	CD72 molecule	9	p13.3
ENSG00000180483	DEFB119	defensin, beta 119	20	q11.21
ENSG00000182782	HCAR2	hydroxycarboxylic acid receptor 2	12	q24.31
ENSG00000163659	TIPARP	TCDD-inducible poly(ADP-ribose) polymerase	3	q25.31
ENSG00000112149	CD83	CD83 molecule	6	p23
ENSG00000137078	SIT1	signaling threshold regulating transmembrane adaptor 1	9	p13.3
ENSG00000204548	DEFB121	defensin, beta 121	20	q11.21
ENSG00000090554	FLT3LG	fms-related tyrosine kinase 3 ligand	19	q13.33
ENSG00000204547	DEFB122	defensin, beta 122 (pseudogene)	20	q11.21
ENSG00000008083	JARID2	jumonji, AT rich interactive domain 2	6	p22.3
ENSG00000180424	DEFB123	defensin, beta 123	20	q11.21
ENSG00000184276	DEFB108B	defensin, beta 108B	11	q13.4
ENSG00000180383	DEFB124	defensin, beta 124	20	q11.21
ENSG00000130787	HIP1R	huntingtin interacting protein 1 related	12	q24.31
ENSG00000163661	PTX3	pentraxin 3, long	3	q25.32
ENSG00000101294	HM13	histocompatibility (minor) 13	20	q11.21
ENSG00000137496	IL18BP	interleukin 18 binding protein	11	q13.4
ENSG00000104870	FCGRT	Fc fragment of IgG, receptor, transporter, alpha	19	q13.33
ENSG00000011028	MRC2	mannose receptor, C type 2	17	q23.2
ENSG00000150967	ABCB9	ATP-binding cassette, sub-family B (MDR/TAP), member 9	12	q24.31
ENSG00000178053	MLF1	myeloid leukemia factor 1	3	q25.32
ENSG00000099256	PRTFDC1	phosphoribosyl transferase domain containing 1	10	p12.1
ENSG00000126456	IRF3	interferon regulatory factor 3	19	q13.33
ENSG00000110195	FOLR1	folate receptor 1 (adult)	11	q13.4
ENSG00000159640	ACE	angiotensin I converting enzyme (peptidyl-dipeptidase A) 1	17	q23.3
ENSG00000126453	BCL2L12	BCL2-like 12 (proline rich)	19	q13.33

ENSG00000165458	INPPL1	inositol polyphosphate phosphatase-like 1	11	q13.4
ENSG00000168811	IL12A	interleukin 12A (natural killer cell stimulatory factor 1, cytotoxic lymphocyte maturation factor 1, p35)	3	q25.33
ENSG00000137076	TLN1	talin 1	9	p13.3
ENSG00000198909	MAP3K3	mitogen-activated protein kinase kinase kinase 3	17	q23.3
ENSG00000068885	IFT80	intraflagellar transport 80 homolog (Chlamydomonas)	3	q25.33
ENSG00000196961	AP2A1	adaptor-related protein complex 2, alpha 1 subunit	19	q13.33
ENSG00000125968	ID1	inhibitor of DNA binding 1, dominant negative helix-loop-helix protein	20	q11.21
ENSG00000115526	CHST10	carbohydrate sulfotransferase 10	2	q11.2
ENSG00000115539	PDCL3	phosducin-like 3	2	q11.2
ENSG00000198231	DDX42	DEAD (Asp-Glu-Ala-Asp) box polypeptide 42	17	q23.3
ENSG00000169255	B3GALNT1	beta-1,3-N-acetylgalactosaminyltransferase 1 (globoside blood group)	3	q26.1
ENSG00000171552	BCL2L1	BCL2-like 1	20	q11.21
ENSG00000137478	FCHSD2	FCH and double SH3 domains 2	11	q13.4
ENSG00000175591	P2RY2	purinergic receptor P2Y, G-protein coupled, 2	11	q13.4
ENSG00000015285	WAS	Wiskott-Aldrich syndrome	X	p11.23
ENSG00000087191	PSMC5	proteasome (prosome, macropain) 26S subunit, ATPase, 5	17	q23.3
ENSG00000110237	ARHGEF17	Rho guanine nucleotide exchange factor (GEF) 17	11	q13.4
ENSG00000104951	IL4I1	interleukin 4 induced 1	19	q13.33
ENSG00000054967	RELT	RELT tumor necrosis factor receptor	11	q13.4
ENSG00000108604	SMARCD2	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 2	17	q23.3
ENSG00000107175	CREB3	cAMP responsive element binding protein 3	9	p13.3
ENSG00000088325	TPX2	TPX2, microtubule-associated, homolog (Xenopus laevis)	20	q11.21
ENSG00000071054	MAP4K4	mitogen-activated protein kinase kinase kinase kinase 4	2	q11.2
ENSG00000169136	ATF5	activating transcription factor 5	19	q13.33
ENSG00000161640	SIGLEC11	sialic acid binding Ig-like lectin 11	19	q13.33
ENSG00000114204	SERPINI2	serpin peptidase inhibitor, clade I (pancpin), member 2	3	q26.1
ENSG00000094631	HDAC6	histone deacetylase 6	X	p11.23
ENSG00000073060	SCARB1	scavenger receptor class B, member 1	12	q24.31
ENSG00000161643	SIGLEC16	sialic acid binding Ig-like lectin 16 (gene/pseudogene)	19	q13.33
ENSG00000101306	MYLK2	myosin light chain kinase 2	20	q11.21
ENSG00000114209	PDCD10	programmed cell death 10	3	q26.1

ENSG00000175575	PAAF1	proteasomal ATPase-associated factor 1	11	q13.4
ENSG00000163536	SERPIN1	serpin peptidase inhibitor, clade I (neuroserpin), member 1	3	q26.1
ENSG00000187726	DNAJB13	DnaJ (Hsp40) homolog, subfamily B, member 13	11	q13.4
ENSG00000137393	RNF144B	ring finger protein 144B	6	p22.3
ENSG00000115590	IL1R2	interleukin 1 receptor, type II	2	q11.2
ENSG00000085276	MECOM	MDS1 and EVI1 complex locus	3	q26.2
ENSG00000115594	IL1R1	interleukin 1 receptor, type I	2	q11.2
ENSG00000179772	FOXS1	forkhead box S1	20	q11.21
ENSG00000115598	IL1RL2	interleukin 1 receptor-like 2	2	q12.1
ENSG00000115602	IL1RL1	interleukin 1 receptor-like 1	2	q12.1
ENSG00000115604	IL18R1	interleukin 18 receptor 1	2	q12.1
ENSG00000115607	IL18RAP	interleukin 18 receptor accessory protein	2	q12.1
ENSG00000081760	AACS	acetoacetyl-CoA synthetase	12	q24.31
ENSG00000131408	NR1H2	nuclear receptor subfamily 1, group H, member 2	19	q13.33
ENSG00000124766	SOX4	SRY (sex determining region Y)-box 4	6	p22.3
ENSG00000007312	CD79B	CD79b molecule, immunoglobulin-associated beta	17	q23.3
ENSG00000198914	POU3F3	POU class 3 homeobox 3	2	q12.1
ENSG00000137133	HINT2	histidine triad nucleotide binding protein 2	9	p13.3
ENSG00000163558	PRKCI	protein kinase C, iota	3	q26.2
ENSG00000137103	TMEM8B	transmembrane protein 8B	9	p13.3
ENSG00000101336	HCK	hemopoietic cell kinase	20	q11.21
ENSG00000135966	TGFBRAP1	transforming growth factor, beta receptor associated protein 1 Spi-B transcription factor (Spi-1/PU.1 related), isoform CRA_a; Transcription factor Spi-B; cDNA FLJ57438, highly similar to Transcription factor Spi-B	2	q12.2
ENSG00000142539	SPIB	Spi-B transcription factor (Spi-1/PU.1 related), isoform CRA_a; Transcription factor Spi-B; cDNA FLJ57438, highly similar to Transcription factor Spi-B	19	q13.33
ENSG00000136603	SKIL	SKI-like oncogene	3	q26.2
ENSG00000086967	MYBPC2	myosin binding protein C, fast type	19	q13.33
ENSG00000108622	ICAM2	intercellular adhesion molecule 2	17	q23.3
ENSG00000178607	ERN1	endoplasmic reticulum to nucleus signaling 1	17	q23.3
ENSG00000013297	CLDN11	claudin 11	3	q26.2
ENSG00000071051	NCK2	NCK adaptor protein 2	2	q12.2
ENSG00000137486	ARRB1	arrestin, beta 1	11	q13.4
ENSG00000149273	RPS3	ribosomal protein S3	11	q13.4

ENSG00000111450	STX2	syntaxin 2	12	q24.33
ENSG00000154310	TNIK	TRAF2 and NCK interacting kinase	3	q26.31
ENSG00000146038	DCDC2	doublecortin domain containing 2	6	p22.3
ENSG00000102096	PIM2	pim-2 oncogene	X	p11.23
ENSG00000126003	PLAGL2	pleiomorphic adenoma gene-like 2	20	q11.21
ENSG00000075651	PLD1	phospholipase D1, phosphatidylcholine-specific	3	q26.31
ENSG00000108854	SMURF2	SMAD specific E3 ubiquitin protein ligase 2	17	q24.1
ENSG00000122705	CLTA	clathrin, light chain A	9	p13.3
ENSG00000120063	GNA13	guanine nucleotide binding protein (G protein), alpha 13	17	q24.1
ENSG00000099246	RAB18	RAB18, member RAS oncogene family	10	p12.1
ENSG00000159921	GNE	glucosamine (UDP-N-acetyl)-2-epimerase/N-acetylmannosamine kinase	9	p13.3
ENSG00000169756	LIMS1	LIM and senescent cell antigen-like domains 1	2	q12.3
ENSG00000085741	WNT11	wingless-type MMTV integration site family, member 11	11	q13.5
ENSG00000075420	FNDC3B	fibronectin type III domain containing 3B protein-kinase, interferon-inducible double stranded RNA dependent inhibitor, repressor of (P58 repressor)	3	q26.31
ENSG00000137492	PRKRIR	growth hormone secretagogue receptor	11	q13.5
ENSG00000121853	GHSR	growth hormone secretagogue receptor	3	q26.31
ENSG00000121858	TNFSF10	tumor necrosis factor (ligand) superfamily, member 10	3	q26.31
ENSG00000091583	APOH	apolipoprotein H (beta-2-glycoprotein I)	17	q24.2
ENSG00000135960	EDAR	ectodysplasin A receptor	2	q13
ENSG00000154229	PRKCA	protein kinase C, alpha	17	q24.2
ENSG00000114346	ECT2	epithelial cell transforming sequence 2 oncogene	3	q26.31
ENSG00000149600	COMM7	COMM domain containing 7	20	q11.21
ENSG00000197170	PSMD12	proteasome (prosome, macropain) 26S subunit, non-ATPase, 12 LIM and senescent cell antigen-like domains 3-like (LOC440895), transcript variant 1, non-coding RNA	17	q24.2
ENSG00000186148	LOC440895	RNA	2	q13
ENSG00000144063	MALL	mal, T-cell differentiation protein-like	2	q13
ENSG00000144061	NPHP1	nephronophthisis 1 (juvenile) LIM and senescent cell antigen-like-containing domain protein 3 (Particularly interesting new Cys-His protein 3)(PINCH-3)	2	q13
ENSG00000184115	LOC100288695	His protein 3)(PINCH-3)	2	q13
ENSG00000149269	PAK1	p21 protein (Cdc42/Rac)-activated kinase 1	11	q14.1
ENSG00000102007	PLP2	proteolipid protein 2 (colonic epithelium-enriched)	X	p11.23
ENSG00000129450	SIGLEC9	sialic acid binding Ig-like lectin 9	19	q13.41

ENSG00000169679	BUB1	budding uninhibited by benzimidazoles 1 homolog (yeast)	2	q13
ENSG00000168995	SIGLEC7	sialic acid binding Ig-like lectin 7	19	q13.41
ENSG00000105383	CD33	CD33 molecule	19	q13.41
ENSG00000186806	VSIG10L	V-set and immunoglobulin domain containing 10 like	19	q13.41
ENSG00000153094	BCL2L11	BCL2-like 11 (apoptosis facilitator)	2	q13
ENSG00000169760	NLGN1	neuroligin 1	3	q26.31
ENSG00000105374	NKG7	natural killer cell group 7 sequence	19	q13.41
ENSG00000142512	SIGLEC10	sialic acid binding Ig-like lectin 10	19	q13.41
ENSG00000108946	PRKAR1A	protein kinase, cAMP-dependent, regulatory, type I, alpha	17	q24.2
ENSG00000167104	BPIFB6	BPI fold containing family B, member 6	20	q11.21
ENSG00000105366	SIGLEC8	sialic acid binding Ig-like lectin 8	19	q13.41
ENSG00000033327	GAB2	GRB2-associated binding protein 2	11	q14.1
ENSG00000172667	ZMAT3	zinc finger, matrin-type 3	3	q26.32
ENSG00000121879	PIK3CA	phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit alpha	3	q26.32
ENSG00000095739	BAMBI	BMP and activin membrane-bound inhibitor homolog (<i>Xenopus laevis</i>)	10	p12.1
ENSG00000153208	MERTK	c-mer proto-oncogene tyrosine kinase	2	q13
ENSG00000105492	SIGLEC6	sialic acid binding Ig-like lectin 6	19	q13.41
ENSG00000107338	SHB	Src homology 2 domain containing adaptor protein B	9	p13.1
ENSG00000144152	FBLN7	fibulin 7	2	q13
ENSG00000105501	SIGLEC5	sialic acid binding Ig-like lectin 5	19	q13.41
ENSG00000144161	ZC3H8	zinc finger CCCH-type containing 8	2	q14.1
ENSG00000165490	C11orf82	chromosome 11 open reading frame 82	11	q14.1
ENSG00000049768	FOXP3	forkhead box P3	X	p11.23
ENSG00000105509	HAS1	hyaluronan synthase 1	19	q13.41
ENSG00000171051	FPR1	formyl peptide receptor 1	19	q13.41
ENSG00000171049	FPR2	formyl peptide receptor 2	19	q13.41
ENSG00000187474	FPR3	formyl peptide receptor 3	19	q13.41
ENSG00000106714	CNTNAP3	contactin associated protein-like 3	9	p12
ENSG00000144136	SLC20A1	solute carrier family 20 (phosphate transporter), member 1	2	q14.1
ENSG00000154265	ABCA5	ATP-binding cassette, sub-family A (ABC1), member 5	17	q24.3
ENSG00000115008	IL1A	interleukin 1, alpha	2	q14.1
ENSG00000137501	SYTL2	synaptotagmin-like 2	11	q14.1

ENSG00000108984	MAP2K6	mitogen-activated protein kinase kinase 6	17	q24.3
ENSG00000125538	IL1B	interleukin 1, beta	2	q14.1
ENSG00000163098	BIRC8	baculoviral IAP repeat containing 8	19	q13.42
ENSG00000125571	IL37	interleukin 37	2	q14.1
ENSG00000068985	PAGE1	P antigen family, member 1 (prostate associated)	X	p11.23
ENSG00000114416	FXR1	fragile X mental retardation, autosomal homolog 1	3	q26.33
ENSG00000125398	SOX9	SRY (sex determining region Y)-box 9	17	q24.3
ENSG00000136688	IL36G	interleukin 36, gamma	2	q14.1
ENSG00000136694	IL36A	interleukin 36, alpha	2	q14.1
ENSG00000181449	SOX2	SRY (sex determining region Y)-box 2	3	q26.33
ENSG00000105568	PPP2R1A	protein phosphatase 2, regulatory subunit A, alpha	19	q13.41
ENSG00000073921	PICALM	phosphatidylinositol binding clathrin assembly protein	11	q14.2
ENSG00000136696	IL36B	interleukin 36, beta	2	q14.1
ENSG00000171365	CLCN5	chloride channel, voltage-sensitive 5	X	p11.23
ENSG00000136695	IL36RN	interleukin 36 receptor antagonist	2	q14.1
ENSG00000136697	IL1F10	interleukin 1 family, member 10 (theta)	2	q14.1
ENSG00000136689	IL1RN	interleukin 1 receptor antagonist	2	q14.1
ENSG00000069188	SDK2	sidekick cell adhesion molecule 2	17	q25.1
ENSG00000148516	ZEB1	zinc finger E-box binding homeobox 1	10	p11.22
ENSG00000176597	B3GNT5	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 5	3	q27.1
ENSG00000172578	KLHL6	kelch-like 6 (Drosophila)	3	q27.1
ENSG00000147081	AKAP4	A kinase (PRKA) anchor protein 4	X	p11.22
ENSG00000174804	FZD4	frizzled family receptor 4	11	q14.2
ENSG00000109861	CTSC	cathepsin C	11	q14.2
ENSG00000114770	ABCC5	ATP-binding cassette, sub-family C (CFTR/MRP), member 5	3	q27.1
ENSG00000170122	FOXD4	forkhead box D4	9	p24.3
ENSG00000101412	E2F1	E2F transcription factor 1	20	q11.22
ENSG00000154529	CNTNAP3B	contactin associated protein-like 3B	9	p11.2
ENSG00000167851	CD300A	CD300a molecule	17	q25.1
ENSG00000178789	CD300LB	CD300 molecule-like family member b	17	q25.1
ENSG00000130385	BMP15	bone morphogenetic protein 15	X	p11.22
ENSG00000167850	CD300C	CD300c molecule	17	q25.1

ENSG00000204345	CD300LD	CD300 molecule-like family member d	17	q25.1
ENSG00000186407	CD300E	CD300e molecule	17	q25.1
ENSG00000010704	HFE	hemochromatosis	6	p22.2
ENSG00000186074	CD300LF	CD300 molecule-like family member f	17	q25.1
ENSG00000179222	MAGED1	melanoma antigen family D, 1	X	p11.22
ENSG00000180152	BIRC8	baculoviral IAP repeat-containing 8	2	q14.1
ENSG00000142405	NLRP12	NLR family, pyrin domain containing 12	19	q13.42
ENSG00000175166	PSMD2	proteasome (prosome, macropain) 26S subunit, non-ATPase, 2	3	q27.1
ENSG00000165323	FAT3	FAT tumor suppressor homolog 3 (Drosophila)	11	q14.3
ENSG00000184523	PTGER4P2	prostaglandin E receptor 4 (subtype EP4) pseudogene 2	9	q13
ENSG00000179820	MYADM	myeloid-associated differentiation marker	19	q13.42
ENSG00000126583	PRKCG	protein kinase C, gamma	19	q13.42
ENSG00000019169	MARCO	macrophage receptor with collagenous structure	2	q14.2
ENSG00000144119	C1QL2	complement component 1, q subcomponent-like 2	2	q14.2
ENSG00000115107	STEAP3	STEAP family member 3, metalloredutase	2	q14.2
ENSG00000170909	OSCAR	osteoclast associated, immunoglobulin-like receptor	19	q13.42
ENSG00000105619	TFPT	TCF3 (E2A) fusion partner (in childhood Leukemia)	19	q13.42
ENSG00000125450	NUP85	nucleoporin 85kDa	17	q25.1
ENSG00000078747	ITCH	itchy E3 ubiquitin protein ligase	20	q11.22
ENSG00000110218	PANX1	pannexin 1	11	q21
ENSG00000115109	EPB41L5	erythrocyte membrane protein band 4.1 like 5	2	q14.2
ENSG00000090534	THPO	thrombopoietin	3	q27.1
ENSG00000105617	LENG1	leukocyte receptor cluster (LRC) member 1	19	q13.42
ENSG00000144118	RALB	v-ral simian leukemia viral oncogene homolog B (ras related; GTP binding protein)	2	q14.2
ENSG00000090539	CHRD	chordin	3	q27.1
ENSG00000163083	INHBB	inhibin, beta B	2	q14.2
ENSG00000074047	GLI2	GLI family zinc finger 2	2	q14.2
ENSG00000196371	FUT4	fucosyltransferase 4 (alpha (1,3) fucosyltransferase, myeloid-specific)	11	q21
ENSG00000150093	ITGB1	integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12)	10	p11.22
ENSG00000186152	LILRP1	leukocyte immunoglobulin-like receptor pseudogene 1	19	q13.42
ENSG00000134627	PIWIL4	piwi-like 4 (Drosophila)	11	q21
ENSG00000204779	FOXD4L5	forkhead box D4-like 5	9	q21.11

ENSG00000204577	LILRB3	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 3	19	q13.42
ENSG00000166025	AMOTL1	angiomin like 1	11	q21
ENSG00000105609	LILRB5	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 5	19	q13.42
ENSG00000184659	FOXD4L4	forkhead box D4-like 4	9	q21.11
ENSG00000131042	LILRB2	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 2	19	q13.42
ENSG00000187116	LILRA5	leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 5	19	q13.42
ENSG00000073350	LLGL2	lethal giant larvae homolog 2 (Drosophila)	17	q25.1
ENSG00000099250	NRP1	neuropilin 1	10	p11.22
ENSG00000170858	LILRA4	leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 4	19	q13.42
ENSG00000167613	LAIR1	leukocyte-associated immunoglobulin-like receptor 1	19	q13.42
ENSG00000073792	IGF2BP2	insulin-like growth factor 2 mRNA binding protein 2	3	q27.2
ENSG00000155052	CNTNAP5	contactin associated protein-like 5	2	q14.3
ENSG00000167614	TTYH1	tweety homolog 1 (Drosophila)	19	q13.42
ENSG00000136732	GYPC	glycophorin C (Gerbich blood group)	2	q14.3
ENSG00000167615	LENG8	leukocyte receptor cluster (LRC) member 8	19	q13.42
ENSG00000136717	BIN1	bridging integrator 1	2	q14.3
ENSG00000198646	NCOA6	nuclear receptor coactivator 6	20	q11.22
ENSG00000161526	SAP30BP	SAP30 binding protein	17	q25.1
ENSG00000149972	CNTN5	contactin 5	11	q22.1
ENSG00000167618	LAIR2	leukocyte-associated immunoglobulin-like receptor 2	19	q13.42
ENSG00000132470	ITGB4	integrin, beta 4	17	q25.1
ENSG00000104970	KIR3DX1	killer cell immunoglobulin-like receptor, three domains, X1	19	q13.42
ENSG00000058866	DGKG	diacylglycerol kinase, gamma 90kDa	3	q27.3
ENSG00000104974	LILRA1	leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 1	19	q13.42
ENSG00000104972	LILRB1	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 1	19	q13.42
ENSG00000186818	LILRB4	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 4	19	q13.42
ENSG00000187559	FOXD4L3	forkhead box D4-like 3	9	q21.11
ENSG00000145192	AHSG	alpha-2-HS-glycoprotein	3	q27.3
ENSG00000125498	KIR2DL1	killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 1	19	q13.42
ENSG00000154330	PGM5	phosphoglucomutase 5	9	q21.11
ENSG00000163161	ERCC3	excision repair cross-complementing rodent repair deficiency, complementation group 3	2	q14.3
ENSG00000092929	UNC13D	unc-13 homolog D (C. elegans)	17	q25.1

ENSG00000148498	PARD3	par-3 partitioning defective 3 homolog (<i>C. elegans</i>)	10	p11.21
ENSG00000113905	HRG	histidine-rich glycoprotein	3	q27.3
ENSG00000023445	BIRC3	baculoviral IAP repeat containing 3	11	q22.2
ENSG00000113889	KNG1	kininogen 1	3	q27.3
ENSG00000110330	BIRC2	baculoviral IAP repeat containing 2	11	q22.2
ENSG00000115718	PROC	protein C (inactivator of coagulation factors Va and VIIIa)	2	q14.3
ENSG00000188878	FBF1	Fas (TNFRSF6) binding factor 1	17	q25.1
ENSG00000100983	GSS	glutathione synthetase	20	q11.22
ENSG00000161533	ACOX1	acyl-CoA oxidase 1, palmitoyl	17	q25.1
ENSG00000181092	ADIPOQ	adiponectin, C1Q and collagen domain containing	3	q27.3
ENSG00000072163	LIMS2	LIM and senescent cell antigen-like domains 2	2	q14.3
ENSG00000165059	PRKACG	protein kinase, cAMP-dependent, catalytic, gamma	9	q21.11
ENSG00000165060	FXN	frataxin	9	q21.11
ENSG00000144230	GPR17	G protein-coupled receptor 17	2	q14.3
ENSG00000149968	MMP3	matrix metalloproteinase 3 (stromelysin 1, progelatinase)	11	q22.2
ENSG00000127241	MASP1	mannan-binding lectin serine peptidase 1 (C4/C2 activating component of Ra-reactive factor)	3	q27.3
ENSG00000108094	CUL2	cullin 2	10	p11.21
ENSG00000157005	SST	somatostatin	3	q27.3
ENSG00000113916	BCL6	B-cell CLL/lymphoma 6	3	q27.3
ENSG00000189013	KIR2DL4	killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 4	19	q13.42
ENSG00000182473	EXOC7	exocyst complex component 7	17	q25.1
ENSG00000145012	LPP	LIM domain containing preferred translocation partner in lipoma	3	q27.3
ENSG00000101000	PROCR	protein C receptor, endothelial	20	q11.22
ENSG00000073282	TP63	tumor protein p63	3	q28
ENSG00000170962	PDGFD	platelet derived growth factor D	11	q22.3
ENSG00000129654	FOXJ1	forkhead box J1	17	q25.1
ENSG00000204403	CASP12	caspase 12 (gene/pseudogene)	11	q22.3
ENSG00000196954	CASP4	caspase 4, apoptosis-related cysteine peptidase	11	q22.3
ENSG00000167633	KIR3DL1	killer cell immunoglobulin-like receptor, three domains, long cytoplasmic tail, 1	19	q13.42
ENSG00000107282	APBA1	amyloid beta (A4) precursor protein-binding, family A, member 1	9	q21.12
ENSG00000137757	CASP5	caspase 5, apoptosis-related cysteine peptidase	11	q22.3
ENSG00000137752	CASP1	caspase 1, apoptosis-related cysteine peptidase	11	q22.3

ENSG00000163347	CLDN1	claudin 1	3	q28
ENSG00000176170	SPHK1	sphingosine kinase 1	17	q25.1
ENSG00000113946	CLDN16	claudin 16	3	q28
ENSG00000186431	FCAR	Fc fragment of IgA, receptor for	19	q13.42
ENSG00000165072	MAMDC2	MAM domain containing 2	9	q21.12
ENSG00000196083	IL1RAP	interleukin 1 receptor accessory protein	3	q28
ENSG00000204397	CARD16	caspase recruitment domain family, member 16	11	q22.3
ENSG00000129673	AANAT	aralkylamine N-acetyltransferase	17	q25.1
ENSG00000189430	NCR1	natural cytotoxicity triggering receptor 1	19	q13.42
ENSG0000022556	NLRP2	NLR family, pyrin domain containing 2	19	q13.42
ENSG00000088053	GP6	glycoprotein VI (platelet)	19	q13.42
ENSG00000136002	ARHGEF4	Rho guanine nucleotide exchange factor (GEF) 4	2	q21.1
ENSG00000070495	JMJD6	jumonji domain containing 6	17	q25.1
ENSG00000110675	ELMOD1	ELMO/CED-12 domain containing 1	11	q22.3
ENSG00000125965	GDF5	growth differentiation factor 5	20	q11.22
ENSG00000198836	OPA1	optic atrophy 1 (autosomal dominant)	3	q29
ENSG00000166266	CUL5	cullin 5	11	q22.3
ENSG00000112812	PRSS16	protease, serine, 16 (thymus)	6	p22.1
ENSG00000114315	HES1	hairy and enhancer of split 1, (Drosophila)	3	q29
ENSG00000149311	ATM	ataxia telangiectasia mutated	11	q22.3
ENSG00000178732	GP5	glycoprotein V (platelet)	3	q29
ENSG00000080031	PTPRH	protein tyrosine phosphatase, receptor type, H	19	q13.42
ENSG00000089685	BIRC5	baculoviral IAP repeat containing 5	17	q25.3
ENSG00000095752	IL11	interleukin 11	19	q13.42
ENSG00000184557	SOCS3	suppressor of cytokine signaling 3	17	q25.3
ENSG00000145113	MUC4	mucin 4, cell surface associated	3	q29
ENSG00000107372	ZFAND5	zinc finger, AN1-type domain 5	9	q21.13
ENSG00000137707	BTG4	B-cell translocation gene 4	11	q23.1
ENSG00000108669	CYTH1	cytohesin 1	17	q25.3
ENSG00000170145	SIK2	salt-inducible kinase 2	11	q23.1
ENSG00000035862	TIMP2	TIMP metalloproteinase inhibitor 2	17	q25.3
ENSG00000108679	LGALS3BP	lectin, galactoside-binding, soluble, 3 binding protein	17	q25.3

ENSG00000072274	TFRC	transferrin receptor (p90, CD71)	3	q29
ENSG00000121966	CXCR4	chemokine (C-X-C motif) receptor 4	2	q22.1
ENSG00000196632	WNK3	WNK lysine deficient protein kinase 3	X	p11.22
ENSG00000135046	ANXA1	annexin A1	9	q21.13
ENSG00000165731	RET	ret proto-oncogene	10	q11.21
ENSG00000173918	C1QTNF1	C1q and tumor necrosis factor related protein 1	17	q25.3
ENSG00000109846	CRYAB	crystallin, alpha B	11	q23.1
ENSG00000063245	EPN1	epsin 1	19	q13.42
ENSG00000150540	HNMT	histamine N-methyltransferase	2	q22.1
ENSG00000168702	LRP1B	low density lipoprotein receptor-related protein 1B	2	q22.2
ENSG00000102302	FGD1	FYVE, RhoGEF and PH domain containing 1	X	p11.22
ENSG00000141582	CBX4	chromobox homolog 4	17	q25.3
ENSG00000180370	PAK2	p21 protein (Cdc42/Rac)-activated kinase 2	3	q29
ENSG00000150782	IL18	interleukin 18 (interferon-gamma-inducing factor)	11	q23.1
ENSG00000141527	CARD14	caspase recruitment domain family, member 14	17	q25.3
ENSG00000075711	DLG1	discs, large homolog 1 (Drosophila)	3	q29
ENSG00000115919	KYNU	kynureninase	2	q22.2
ENSG00000149294	NCAM1	neural cell adhesion molecule 1	11	q23.2
ENSG00000107562	CXCL12	chemokine (C-X-C motif) ligand 12	10	q11.21
ENSG00000149295	DRD2	dopamine receptor D2	11	q23.2
ENSG00000169554	ZEB2	zinc finger E-box binding homeobox 2	2	q22.3
ENSG00000198300	PEG3	paternally expressed 3	19	q13.43
ENSG00000145016	KIAA0226	KIAA0226	3	q29
ENSG00000067445	TRO	trophinin	X	p11.21
ENSG00000099139	PCSK5	proprotein convertase subtilisin/kexin type 5	9	q21.13
ENSG00000048028	USP28	ubiquitin specific peptidase 28	11	q23.2
ENSG00000105146	AURKC	aurora kinase C	19	q13.43
ENSG00000158571	PFKFB1	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 1	X	p11.21
ENSG00000185621	LMLN	leishmanolysin-like (metallopeptidase M8 family)	3	q29
ENSG00000181409	AATK	apoptosis-associated tyrosine kinase	17	q25.3
ENSG00000109906	ZBTB16	zinc finger and BTB domain containing 16	11	q23.2
ENSG00000115963	RND3	Rho family GTPase 3	2	q23.3

ENSG00000106772	PRUNE2	prune homolog 2 (Drosophila)	9	q21.2
ENSG00000123610	TNFAIP6	tumor necrosis factor, alpha-induced protein 6	2	q23.3
ENSG00000182985	CADM1	cell adhesion molecule 1	11	q23.3
ENSG00000186765	FSCN2	fascin homolog 2, actin-bundling protein, retinal (Strongylocentrotus purpuratus)	17	q25.3
ENSG00000182389	CACNB4	calcium channel, voltage-dependent, beta 4 subunit	2	q23.3
ENSG00000187601	MAGEH1	melanoma antigen family H, 1	X	p11.21
ENSG00000110243	APOA5	apolipoprotein A-V	11	q23.3
ENSG00000110244	APOA4	apolipoprotein A-IV	11	q23.3
ENSG00000110245	APOC3	apolipoprotein C-III	11	q23.3
ENSG00000118137	APOA1	apolipoprotein A-I	11	q23.3
ENSG00000141522	ARHGDI2	Rho GDP dissociation inhibitor (GDI) alpha	17	q25.3
ENSG00000186787	SPIN2B	spindlin family, member 2B	X	p11.21
ENSG00000115165	CYTIP	cytohesin 1 interacting protein	2	q24.1
ENSG00000123612	ACVR1C	activin A receptor, type IC	2	q24.1
ENSG00000185105	MYADML2	myeloid-associated differentiation marker-like 2	17	q25.3
ENSG00000115170	ACVR1	activin A receptor, type I	2	q24.1
ENSG00000101082	SLA2	Src-like-adaptor 2	20	q11.23
ENSG00000168092	PAFAH1B2	platelet-activating factor acetylhydrolase 1b, catalytic subunit 2 (30kDa)	11	q23.3
ENSG00000131089	ARHGEF9	Cdc42 guanine nucleotide exchange factor (GEF) 9	X	q11.2
ENSG00000144283	PKP4	plakophilin 4	2	q24.1
ENSG00000163331	DAPL1	death associated protein-like 1	2	q24.1
ENSG00000177103	DSCAML1	Down syndrome cell adhesion molecule like 1	11	q23.3
ENSG00000054219	LY75	lymphocyte antigen 75	2	q24.2
ENSG00000153246	PLA2R1	phospholipase A2 receptor 1, 180kDa	2	q24.2
ENSG00000115221	ITGB6	integrin, beta 6	2	q24.2
ENSG00000110324	IL10RA	interleukin 10 receptor, alpha	11	q23.3
ENSG00000147065	MSN	moesin	X	q12
ENSG00000173762	CD7	CD7 molecule	17	q25.3
ENSG00000141574	SECTM1	secreted and transmembrane 1	17	q25.3
ENSG00000107643	MAPK8	mitogen-activated protein kinase 8	10	q11.22
ENSG00000204655	MOG	myelin oligodendrocyte glycoprotein	6	p22.1
ENSG00000160593	AMICA1	adhesion molecule, interacts with CXADR antigen 1	11	q23.3

ENSG00000155659	VSIG4	V-set and immunoglobulin domain containing 4	X	q12
ENSG00000099326	MZF1	myeloid zinc finger 1	19	q13.43
ENSG00000160588	MPZL3	myelin protein zero-like 3	11	q23.3
ENSG00000115233	PSMD14	proteasome (prosome, macropain) 26S subunit, non-ATPase, 14	2	q24.2
ENSG00000149573	MPZL2	myelin protein zero-like 2	11	q23.3
ENSG00000198851	CD3E	CD3e molecule, epsilon (CD3-TCR complex)	11	q23.3
ENSG00000135018	UBQLN1	ubiquilin 1	9	q21.32
ENSG00000167286	CD3D	CD3d molecule, delta (CD3-TCR complex)	11	q23.3
ENSG00000160654	CD3G	CD3g molecule, gamma (CD3-TCR complex)	11	q23.3
ENSG00000197635	DPP4	dipeptidyl-peptidase 4	2	q24.2
ENSG00000131080	EDA2R	ectodysplasin A2 receptor	X	q12
ENSG00000204644	ZFP57	zinc finger protein 57 homolog (mouse)	6	p22.1
ENSG00000118058	MLL	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila)	11	q23.3
ENSG00000115267	IFIH1	interferon induced with helicase C domain 1	2	q24.2
ENSG00000204642	HLA-F	major histocompatibility complex, class I, F	6	p22.1
ENSG00000079482	OPHN1	oligophrenin 1	X	q12
ENSG00000175711	B3GNTL1	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase-like 1	17	q25.3
ENSG00000181126	HLA-V	major histocompatibility complex, class I, V (pseudogene)	6	p22.1
ENSG00000118096	IFT46	intraflagellar transport 46 homolog (Chlamydomonas)	11	q23.3
ENSG00000136531	SCN2A	sodium channel, voltage-gated, type II, alpha subunit	2	q24.3
ENSG00000160683	CXCR5	chemokine (C-X-C motif) receptor 5	11	q23.3
ENSG00000090776	EFNB1	ephrin-B1	X	q13.1
ENSG00000178662	CSRNP3	cysteine-serine-rich nuclear protein 3	2	q24.3
ENSG00000186174	BCL9L	B-cell CLL/lymphoma 9-like	11	q23.3
ENSG00000197122	SRC	v-src sarcoma (Schmidt-Ruppin A-2) viral oncogene homolog (avian)	20	q11.23
ENSG00000158813	EDA	ectodysplasin A	X	q13.1
ENSG00000089289	IGBP1	immunoglobulin (CD79A) binding protein 1	X	q13.1
ENSG00000172375	C2CD2L	C2CD2-like	11	q23.3
ENSG00000166619	BLCAP	bladder cancer associated protein	20	q11.23
ENSG00000120500	ARR3	arrestin 3, retinal (X-arrestin)	X	q13.1
ENSG00000163072	NOSTRIN	nitric oxide synthase trafficker	2	q24.3
ENSG00000188611	ASAH2	N-acylsphingosine amidohydrolase (non-lysosomal ceramidase) 2	10	q11.23

ENSG00000132792	CTNBL1	catenin, beta like 1	20	q11.23
ENSG00000198964	SGMS1	sphingomyelin synthase 1	10	q11.23
ENSG00000110395	CBL	Cbl proto-oncogene, E3 ubiquitin protein ligase	11	q23.3
ENSG00000081479	LRP2	low density lipoprotein receptor-related protein 2	2	q31.1
ENSG00000076706	MCAM	melanoma cell adhesion molecule	11	q23.3
ENSG00000148584	A1CF	APOBEC1 complementation factor	10	q11.23
ENSG00000138399	FASTKD1	FAST kinase domains 1	2	q31.1
ENSG00000154096	THY1	Thy-1 cell surface antigen	11	q23.3
ENSG00000138398	PPIG	peptidylprolyl isomerase G (cyclophilin G)	2	q31.1
ENSG00000110400	PVRL1	poliovirus receptor-related 1 (herpesvirus entry mediator C)	11	q23.3
ENSG00000198959	TGM2	transglutaminase 2 (C polypeptide, protein-glutamine-gamma-glutamyltransferase)	20	q11.23
ENSG00000196914	ARHGEF12	Rho guanine nucleotide exchange factor (GEF) 12	11	q23.3
ENSG00000101425	BPI	bactericidal/permeability-increasing protein	20	q11.23
ENSG00000165471	MBL2	mannose-binding lectin (protein C) 2, soluble	10	q21.1
ENSG00000129988	LBP	lipopolysaccharide binding protein	20	q11.23
ENSG00000128683	GAD1	glutamate decarboxylase 1 (brain, 67kDa)	2	q31.1
ENSG00000137642	SORL1	sortilin-related receptor, L(DLR class) A repeats containing	11	q24.1
ENSG00000150275	PCDH15	protocadherin-related 15	10	q21.1
ENSG00000109943	CRTAM	cytotoxic and regulatory T cell molecule	11	q24.1
ENSG00000182035	ADIG	adipogenin	20	q11.23
ENSG00000180447	GAS1	growth arrest-specific 1	9	q21.33
ENSG00000147168	IL2RG	interleukin 2 receptor, gamma	X	q13.1
ENSG00000196730	DAPK1	death-associated protein kinase 1	9	q21.33
ENSG00000135047	CTSL1	cathepsin L1	9	q21.33
ENSG00000188029	CTSL3	cathepsin L family member 3	9	q21.33
ENSG00000144355	DLX1	distal-less homeobox 1	2	q31.1
ENSG00000204437	CTSL1P6	cathepsin L1 pseudogene 6	10	q22.3
ENSG00000091409	ITGA6	integrin, alpha 6	2	q31.1
ENSG00000198900	TOP1	topoisomerase (DNA) I	20	q12
ENSG00000154144	TBRG1	transforming growth factor beta regulator 1	11	q24.2
ENSG00000091428	RAPGEF4	Rap guanine nucleotide exchange factor (GEF) 4	2	q31.1
ENSG00000091436	ZAK	Mitogen-activated protein kinase kinase kinase MLT	2	q31.1

ENSG00000124181	PLCG1	phospholipase C, gamma 1	20	q12
ENSG00000154146	NRGN	neurogranin (protein kinase C substrate, RC3)	11	q24.2
ENSG00000019102	VSIG2	V-set and immunoglobulin domain containing 2	11	q24.2
ENSG00000196338	NLGN3	neuroligin 3	X	q13.1
ENSG00000149564	ESAM	endothelial cell adhesion molecule	11	q24.2
ENSG00000172845	SP3	Sp3 transcription factor	2	q31.1
ENSG00000170312	CDK1	cyclin-dependent kinase 1	10	q21.2
ENSG00000165478	HEPACAM	hepatic and glial cell adhesion molecule	11	q24.2
ENSG00000187764	SEMA4D	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4D	9	q22.2
ENSG00000149557	FEZ1	fasciculation and elongation protein zeta 1 (zygin I)	11	q24.2
ENSG00000204625	HCG9	HLA complex group 9 (non-protein coding)	6	p22.1
ENSG00000130222	GADD45G	growth arrest and DNA-damage-inducible, gamma	9	q22.2
ENSG00000204622	HLA-J	major histocompatibility complex, class I, J (pseudogene)	6	p22.1
ENSG00000149547	EI24	etoposide induced 2.4 mRNA	11	q24.2
ENSG00000150347	ARID5B	AT rich interactive domain 5B (MRF1-like)	10	q21.2
ENSG00000196090	PTPRT	protein tyrosine phosphatase, receptor type, T	20	q13.11
ENSG00000165025	SYK	spleen tyrosine kinase	9	q22.2
ENSG00000064309	CDON	Cdon homolog (mouse)	11	q24.2
ENSG00000183230	CTNNA3	catenin (cadherin-associated protein), alpha 3	10	q21.3
ENSG00000165030	NFIL3	nuclear factor, interleukin 3 regulated	9	q22.31
ENSG00000150455	TIRAP	toll-interleukin 1 receptor (TIR) domain containing adaptor protein	11	q24.2
ENSG00000185513	L3MBTL1	l(3)mbt-like 1 (Drosophila)	20	q13.12
ENSG00000096717	SIRT1	sirtuin 1	10	q21.3
ENSG00000116044	NFE2L2	nuclear factor (erythroid-derived 2)-like 2	2	q31.2
ENSG00000134954	ETS1	v-ets erythroblastosis virus E26 oncogene homolog 1 (avian)	11	q24.3
ENSG00000204599	TRIM39	tripartite motif containing 39	6	p22.1
ENSG00000101049	SGK2	serum/glucocorticoid regulated kinase 2	20	q13.12
ENSG00000151702	FLI1	Friend leukemia virus integration 1	11	q24.3
ENSG00000120471	TP53AIP1	tumor protein p53 regulated apoptosis inducing protein 1	11	q24.3
ENSG00000147166	ITGB1BP2	integrin beta 1 binding protein (melusin) 2	X	q13.1
ENSG00000180228	PRKRA	protein kinase, interferon-inducible double stranded RNA dependent activator	2	q31.2

ENSG00000079150	FKBP7	FK506 binding protein 7	2	q31.2
ENSG00000204590	GNL1	guanine nucleotide binding protein-like 1	6	p21.33
ENSG00000101052	IFT52	intraflagellar transport 52 homolog (Chlamydomonas)	20	q13.12
ENSG00000204580	DDR1	discoidin domain receptor tyrosine kinase 1	6	p21.33
ENSG00000060339	CCAR1	cell division cycle and apoptosis regulator 1	10	q21.3
ENSG00000127083	OMD	osteomodulin	9	q22.31
ENSG00000106819	ASPN	asporin	9	q22.31
ENSG00000106823	ECM2	extracellular matrix protein 2, female organ and adipocyte specific	9	q22.31
ENSG00000134917	ADAMTS8	ADAM metalloproteinase with thrombospondin type 1 motif, 8	11	q24.3
ENSG00000185963	BICD2	bicaudal D homolog 2 (Drosophila)	9	q22.31
ENSG00000182667	NTM	neurotrimin	11	q25
ENSG00000186810	CXCR3	chemokine (C-X-C motif) receptor 3	X	q13.1
ENSG00000183715	OPCML	opioid binding protein/cell adhesion molecule-like	11	q25
ENSG00000127084	FGD3	FYVE, RhoGEF and PH domain containing 3	9	q22.31
ENSG00000080854	IGSF9B	immunoglobulin superfamily, member 9B	11	q25
ENSG00000122862	SRGN	serglycin	10	q22.1
ENSG00000131669	NINJ1	ninjurin 1	9	q22.31
ENSG00000151500	THYN1	thymocyte nuclear protein 1	11	q25
ENSG00000186871	ERCC6L	excision repair cross-complementing rodent repair deficiency, complementation group 6-like	X	q13.1
ENSG00000165238	WNK2	WNK lysine deficient protein kinase 2	9	q22.31
ENSG00000125931	CITED1	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 1	X	q13.1
ENSG00000132824	SERINC3	serine incorporator 3	20	q13.12
ENSG00000115232	ITGA4	integrin, alpha 4 (antigen CD49D, alpha 4 subunit of VLA-4 receptor)	2	q31.3
ENSG00000137337	MDC1	mediator of DNA-damage checkpoint 1	6	p21.33
ENSG00000188452	CERKL	ceramide kinase-like	2	q31.3
ENSG00000196230	TUBB	tubulin, beta class I	6	p21.33
ENSG00000162992	NEUROD1	neuronal differentiation 1	2	q31.3
ENSG00000131668	BARX1	BARX homeobox 1	9	q22.32
ENSG00000196839	ADA	adenosine deaminase	20	q13.12
ENSG00000137331	IER3	immediate early response 3	6	p21.33
ENSG00000064205	WISP2	WNT1 inducible signaling pathway protein 2	20	q13.12
ENSG00000162998	FRZB	frizzled-related protein	2	q32.1

ENSG00000148110	HIATL1	hippocampus abundant transcript-like 1	9	q22.32
ENSG00000061676	NCKAP1	NCK-associated protein 1	2	q32.1
ENSG00000101098	RIMS4	regulating synaptic membrane exocytosis 4	20	q13.12
ENSG00000065548	ZC3H15	zinc finger CCCH-type containing 15	2	q32.1
ENSG00000158169	FANCC	Fanconi anemia, complementation group C	9	q22.32
ENSG00000138448	ITGAV	integrin, alpha V	2	q32.1
ENSG00000197467	COL13A1	collagen, type XIII, alpha 1	10	q22.1
ENSG00000204539	CDSN	corneodesmosin	6	p21.33
ENSG00000163012	ZSWIM2	zinc finger, SWIM-type containing 2	2	q32.1
ENSG00000144366	GULP1	GULP, engulfment adaptor PTB domain containing 1	2	q32.1
ENSG00000101109	STK4	serine/threonine kinase 4	20	q13.12
ENSG00000168542	COL3A1	collagen, type III, alpha 1	2	q32.2
ENSG00000042286	AIFM2	apoptosis-inducing factor, mitochondrion-associated, 2	10	q22.1
ENSG00000204525	HLA-C	major histocompatibility complex, class I, C	6	p21.33
ENSG00000124107	SLPI	secretory leukocyte peptidase inhibitor	20	q13.12
ENSG00000156574	NODAL	nodal homolog (mouse)	10	q22.1
ENSG00000138379	MSTN	myostatin	2	q32.2
ENSG00000180644	PRF1	perforin 1 (pore forming protein)	10	q22.1
ENSG00000124232	RBPJL	recombination signal binding protein for immunoglobulin kappa J region-like	20	q13.12
ENSG00000124145	SDC4	syndecan 4	20	q13.12
ENSG00000166224	SGPL1	sphingosine-1-phosphate lyase 1	10	q22.1
ENSG00000107731	UNC5B	unc-5 homolog B (C. elegans)	10	q22.1
ENSG00000204520	MICA	MHC class I polypeptide-related sequence A	6	p21.33
ENSG00000136943	CTSL2	cathepsin L2	9	q22.33
ENSG00000115415	STAT1	signal transducer and activator of transcription 1, 91kDa	2	q32.2
ENSG00000107736	CDH23	cadherin-related 23	10	q22.1
ENSG00000138378	STAT4	signal transducer and activator of transcription 4	2	q32.3
ENSG00000124155	PIGT	phosphatidylinositol glycan anchor biosynthesis, class T	20	q13.12
ENSG00000168497	SDPR	serum deprivation response	2	q32.3
ENSG00000204516	MICB	MHC class I polypeptide-related sequence B	6	p21.33
ENSG00000198563	DDX39B	DEAD (Asp-Glu-Ala-Asp) box polypeptide 39B	6	p21.33
ENSG00000081320	STK17B	serine/threonine kinase 17b	2	q32.3

ENSG00000204498	NFKBIL1	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 1	6	p21.33
ENSG00000168209	DDIT4	DNA-damage-inducible transcript 4	10	q22.1
ENSG00000107745	MICU1	mitochondrial calcium uptake 1	10	q22.1
ENSG00000144381	HSPD1	heat shock 60kDa protein 1 (chaperonin)	2	q33.1
ENSG00000204482	LST1	leukocyte specific transcript 1	6	p21.33
ENSG00000187325	TAF9B	TAF9B RNA polymerase II, TATA box binding protein (TBP)-associated factor, 31kDa	X	q21.1
ENSG00000136936	XPA	xeroderma pigmentosum, complementation group A	9	q22.33
ENSG00000115541	HSPE1	heat shock 10kDa protein 1 (chaperonin 10)	2	q33.1
ENSG00000173198	CYSLTR1	cysteinyl leukotriene receptor 1	X	q21.1
ENSG00000204475	NCR3	natural cytotoxicity triggering receptor 3	6	p21.33
ENSG00000095380	NANS	N-acetylneuraminic acid synthase	9	q22.33
ENSG00000204472	AIF1	allograft inflammatory factor 1	6	p21.33
ENSG00000101470	TNNC2	troponin C type 2 (fast)	20	q13.12
ENSG00000115934	PPIL3	peptidylprolyl isomerase (cyclophilin)-like 3	12	p12.1
ENSG00000003402	CFLAR	CASP8 and FADD-like apoptosis regulator	2	q33.1
ENSG00000064601	CTSA	cathepsin A	20	q13.12
ENSG00000204291	COL15A1	collagen, type XV, alpha 1	9	q22.33
ENSG00000072133	RPS6KA6	ribosomal protein S6 kinase, 90kDa, polypeptide 6	X	q21.1
ENSG00000003400	CASP10	caspase 10, apoptosis-related cysteine peptidase	2	q33.1
ENSG00000106799	TGFBR1	transforming growth factor, beta receptor 1	9	q22.33
ENSG00000204438	GPANK1	G patch domain and ankyrin repeats 1	6	p21.33
ENSG00000184788	SATL1	spermidine/spermine N1-acetyl transferase-like 1	X	q21.1
ENSG00000064012	CASP8	caspase 8, apoptosis-related cysteine peptidase	2	q33.1
ENSG00000204435	CSNK2B	casein kinase 2, beta polypeptide	6	p21.33
ENSG00000204428	LY6G5C	lymphocyte antigen 6 complex, locus G5C	6	p21.33
ENSG00000204427	ABHD16A	abhydrolase domain containing 16A	6	p21.33
ENSG00000148660	CAMK2G	calcium/calmodulin-dependent protein kinase II gamma	10	q22.2
ENSG00000100985	MMP9	matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase)	20	q13.12
ENSG00000204424	LY6G6F	lymphocyte antigen 6 complex, locus G6F	6	p21.33
ENSG00000204422	LY6G6E	lymphocyte antigen 6 complex, locus G6E (pseudogene)	6	p21.33
ENSG00000204421	LY6G6C	lymphocyte antigen 6 complex, locus G6C	6	p21.33
ENSG00000102290	PCDH11X	protocadherin 11 X-linked	X	q21.31

ENSG00000204217	BMPR2	bone morphogenetic protein receptor, type II (serine/threonine kinase)	2	q33.1
ENSG00000122861	PLAU	plasminogen activator, urokinase	10	q22.2
ENSG00000101017	CD40	CD40 molecule, TNF receptor superfamily member 5	20	q13.12
ENSG00000035403	VCL	vinculin	10	q22.2
ENSG00000163596	ICA1L	islet cell autoantigen 1,69kDa-like	2	q33.2
ENSG00000147202	DIAPH2	diaphanous homolog 2 (Drosophila)	X	q21.33
ENSG00000136872	ALDOB	aldolase B, fructose-bisphosphate	9	q31.1
ENSG00000149654	CDH22	cadherin 22, type 2	20	q13.12
ENSG00000156110	ADK	adenosine kinase	10	q22.2
ENSG00000156650	KAT6B	K(lysine) acetyltransferase 6B	10	q22.2
ENSG00000165194	PCDH19	protocadherin 19	X	q22.1
ENSG00000062598	ELMO2	engulfment and cell motility 2	20	q13.12
ENSG00000178562	CD28	CD28 molecule	2	q33.2
ENSG00000102359	SRPX2	sushi-repeat containing protein, X-linked 2	X	q22.1
ENSG00000102362	SYTL4	synaptotagmin-like 4	X	q22.1
ENSG00000163599	CTLA4	cytotoxic T-lymphocyte-associated protein 4	2	q33.2
ENSG00000163600	ICOS	inducible T-cell co-stimulator	2	q33.2
ENSG00000007952	NOX1	NADPH oxidase 1	X	q22.1
ENSG00000158296	SLC13A3	solute carrier family 13 (sodium-dependent dicarboxylate transporter), member 3	20	q13.12
ENSG00000204388	HSPA1B	heat shock 70kDa protein 1B	6	p21.33
ENSG00000118257	NRP2	neuropilin 2	2	q33.3
ENSG00000182489	XKRX	XK, Kell blood group complex subunit-related, X-linked	X	q22.1
ENSG00000172315	TP53RK	TP53 regulating kinase	20	q13.12
ENSG00000023228	NDUFS1	NADH dehydrogenase (ubiquinone) Fe-S protein 1, 75kDa (NADH-coenzyme Q reductase)	2	q33.3
ENSG00000165029	ABCA1	ATP-binding cassette, sub-family A (ABC1), member 1	9	q31.1
ENSG00000064655	EYA2	eyes absent homolog 2 (Drosophila)	20	q13.12
ENSG00000114948	ADAM23	ADAM metallopeptidase domain 23	2	q33.3
ENSG00000118246	FASTKD2	FAST kinase domains 2	2	q33.3
ENSG00000118260	CREB1	cAMP responsive element binding protein 1	2	q33.3
ENSG00000126953	TIMM8A	translocase of inner mitochondrial membrane 8 homolog A (yeast)	X	q22.1
ENSG00000156113	KCNMA1	potassium large conductance calcium-activated channel, subfamily M, alpha member 1	10	q22.3
ENSG00000010671	BTK	Bruton agammaglobulinemia tyrosine kinase	X	q22.1

ENSG00000243649	CFB	complement factor B	6	p21.33
ENSG00000163251	FZD5	frizzled family receptor 5	2	q33.3
ENSG00000186051	TAL2	T-cell acute lymphocytic leukemia 2	9	q31.2
ENSG00000115020	PIKFYVE	phosphoinositide kinase, FYVE finger containing	2	q34
ENSG00000119318	RAD23B	RAD23 homolog B (<i>S. cerevisiae</i>)	9	q31.2
ENSG00000151208	DLG5	discs, large homolog 5 (<i>Drosophila</i>)	10	q22.3
ENSG00000070061	IKBKAP	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase complex-associated protein	9	q31.3
ENSG00000168477	TNXB	tenascin XB	6	p21.32
ENSG00000148606	POLR3A	polymerase (RNA) III (DNA directed) polypeptide A, 155kDa	10	q22.3
ENSG00000168530	MYL1	myosin, light chain 1, alkali; skeletal, fast	2	q34
ENSG00000021826	CPS1	carbamoyl-phosphate synthase 1, mitochondrial	2	q34
ENSG00000124126	PREX1	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange factor 1	20	q13.13
ENSG00000178568	ERBB4	v-erb-a erythroblastic leukemia viral oncogene homolog 4 (avian)	2	q34
ENSG00000108179	PPIF	peptidylprolyl isomerase F	10	q22.3
ENSG00000119326	CTNNA1	catenin (cadherin-associated protein), alpha-like 1	9	q31.3
ENSG00000124198	ARFGEF2	ADP-ribosylation factor guanine nucleotide-exchange factor 2 (brefeldin A-inhibited)	20	q13.13
ENSG00000138376	BARD1	BRCA1 associated RING domain 1	2	q35
ENSG00000124207	CSE1L	CSE1 chromosome segregation 1-like (yeast)	20	q13.13
ENSG00000133661	SFTPD	surfactant protein D	10	q22.3
ENSG00000115414	FN1	fibronectin 1	2	q35
ENSG00000204315	FKBP1	FK506 binding protein like	6	p21.32
ENSG00000122359	ANXA11	annexin A11	10	q22.3
ENSG00000165124	SVEP1	sushi, von Willebrand factor type A, EGF and pentraxin domain containing 1	9	q31.3
ENSG00000204310	AGPAT1	1-acylglycerol-3-phosphate O-acyltransferase 1 (lysophosphatidic acid acyltransferase, alpha)	6	p21.32
ENSG00000204305	AGER	advanced glycosylation end product-specific receptor	6	p21.32
ENSG00000133134	BEX2	brain expressed X-linked 2	X	q22.2
ENSG00000124212	PTGIS	prostaglandin I2 (prostacyclin) synthase	20	q13.13
ENSG00000204304	PBX2	pre-B-cell leukemia homeobox 2	6	p21.32
ENSG00000115425	PECR	peroxisomal trans-2-enoyl-CoA reductase	2	q35
ENSG00000166681	NGFRAP1	nerve growth factor receptor (TNFRSF16) associated protein 1	X	q22.2
ENSG00000079246	XRCC5	X-ray repair complementing defective repair in Chinese hamster cells 5 (double-strand-break rejoining)	2	q35

ENSG00000185737	NRG3	neuregulin 3	10	q23.1
ENSG00000124216	SNAI1	snail homolog 1 (Drosophila)	20	q13.13
ENSG00000136813	KIAA0368	KIAA0368	9	q31.3
ENSG00000148600	CDHR1	cadherin-related family member 1	10	q23.1
ENSG00000204290	BTNL2	butyrophilin-like 2 (MHC class II associated)	6	p21.32
ENSG00000204033	LRIT2	leucine-rich repeat, immunoglobulin-like and transmembrane domains 2	10	q23.1
ENSG00000204287	HLA-DRA	major histocompatibility complex, class II, DR alpha	6	p21.32
ENSG00000148602	LRIT1	leucine-rich repeat, immunoglobulin-like and transmembrane domains 1	10	q23.1
ENSG00000180871	CXCR2	chemokine (C-X-C motif) receptor 2	2	q35
ENSG00000163464	CXCR1	chemokine (C-X-C motif) receptor 1	2	q35
ENSG00000196301	HLA-DRB9	major histocompatibility complex, class II, DR beta 9 (pseudogene)	6	p21.32
ENSG00000198502	HLA-DRB5	major histocompatibility complex, class II, DR beta 5	6	p21.32
ENSG00000123560	PLP1	proteolipid protein 1	X	q22.2
ENSG00000172216	CEBPB	CCAAT/enhancer binding protein (C/EBP), beta	20	q13.13
ENSG00000196126	HLA-DRB1	major histocompatibility complex, class II, DR beta 1	6	p21.32
ENSG00000106853	PTGR1	prostaglandin reductase 1	9	q31.3
ENSG00000018280	SLC11A1	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 1	2	q35
ENSG00000189108	IL1RAPL2	interleukin 1 receptor accessory protein-like 2	X	q22.3
ENSG00000144580	RQCD1	RCD1 required for cell differentiation1 homolog (S. pombe)	2	q35
ENSG00000115556	PLCD4	phospholipase C, delta 4	2	q35
ENSG00000107779	BMPR1A	bone morphogenetic protein receptor, type IA	10	q23.2
ENSG00000101126	ADNP	activity-dependent neuroprotector homeobox	20	q13.13
ENSG00000123561	SERPINA7	serpin peptidase inhibitor, clade A (alpha-1 antitrypsin, antitrypsin), member 7	X	q22.3
ENSG00000196735	HLA-DQA1	major histocompatibility complex, class II, DQ alpha 1	6	p21.32
ENSG00000115592	PRKAG3	protein kinase, AMP-activated, gamma 3 non-catalytic subunit	2	q35
ENSG00000133135	RNF128	ring finger protein 128, E3 ubiquitin protein ligase	X	q22.3
ENSG00000135925	WNT10A	wingless-type MMTV integration site family, member 10A	2	q35
ENSG00000179344	HLA-DQB1	major histocompatibility complex, class II, DQ beta 1	6	p21.32
ENSG00000101096	NFATC2	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 2	20	q13.2
ENSG00000163501	IHH	Indian hedgehog	2	q35
ENSG00000187736	NHEJ1	nonhomologous end-joining factor 1	2	q35
ENSG00000165376	CLDN2	claudin 2	X	q22.3

ENSG00000171862	PTEN	phosphatase and tensin homolog	10	q23.31
ENSG00000204267	TAP2	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	6	p21.32
ENSG00000135924	DNAJB2	DnaJ (Hsp40) homolog, subfamily B, member 2	2	q35
ENSG00000119321	FKBP15	FK506 binding protein 15, 133kDa	9	q32
ENSG00000204264	PSMB8	proteasome (prosome, macropain) subunit, beta type, 8 (large multifunctional peptidase 7)	6	p21.32
ENSG00000054356	PTPRN	protein tyrosine phosphatase, receptor type, N	2	q35
ENSG00000168394	TAP1	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)	6	p21.32
ENSG00000157514	TSC22D3	TSC22 domain family, member 3	X	q22.3
ENSG00000204261	PSMB9	proteasome (prosome, macropain) subunit, beta type, 9 (large multifunctional peptidase 2)	6	p21.32
ENSG00000204257	HLA-DMA	major histocompatibility complex, class II, DM alpha	6	p21.32
ENSG00000026103	FAS	Fas (TNF receptor superfamily, member 6)	10	q23.31
ENSG00000204252	HLA-DOA	major histocompatibility complex, class II, DO alpha	6	p21.32
ENSG00000101842	VSIG1	V-set and immunoglobulin domain containing 1	X	q22.3
ENSG00000101843	PSMD10	proteasome (prosome, macropain) 26S subunit, non-ATPase, 10	X	q22.3
ENSG00000231389	HLA-DPA1	major histocompatibility complex, class II, DP alpha 1	6	p21.32
ENSG00000107798	LIPA	lipase A, lysosomal acid, cholesterol esterase	10	q23.31
ENSG00000119922	IFIT2	interferon-induced protein with tetratricopeptide repeats 2	10	q23.31
ENSG00000087589	CASS4	Cas scaffolding protein family member 4	20	q13.31
ENSG00000119917	IFIT3	interferon-induced protein with tetratricopeptide repeats 3	10	q23.31
ENSG00000197565	COL4A6	collagen, type IV, alpha 6	X	q22.3
ENSG00000106927	AMBP	alpha-1-microglobulin/bikunin precursor	9	q32
ENSG00000204010	IFIT1B	interferon-induced protein with tetratricopeptide repeats 1B	10	q23.31
ENSG00000185745	IFIT1	interferon-induced protein with tetratricopeptide repeats 1	10	q23.31
ENSG00000123999	INH1	inhibin, alpha	2	q35
ENSG00000152778	IFIT5	interferon-induced protein with tetratricopeptide repeats 5	10	q23.31
ENSG00000196739	COL27A1	collagen, type XXVII, alpha 1	9	q32
ENSG00000101144	BMP7	bone morphogenetic protein 7	20	q13.31
ENSG00000204248	COL11A2	collagen, type XI, alpha 2	6	p21.32
ENSG00000135903	PAX3	paired box 3	2	q36.1
ENSG00000068366	ACSL4	acyl-CoA synthetase long-chain family member 4	X	q23
ENSG00000171951	SCG2	secretogranin II	2	q36.1
ENSG00000152056	AP1S3	adaptor-related protein complex 1, sigma 3 subunit	2	q36.1

ENSG00000181634	TNFSF15	tumor necrosis factor (ligand) superfamily, member 15	9	q32
ENSG00000135919	SERPINE2	serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 2	2	q36.1
ENSG00000106952	TNFSF8	tumor necrosis factor (ligand) superfamily, member 8	9	q33.1
ENSG00000036257	CUL3	cullin 3	2	q36.2
ENSG00000041982	TNC	tenascin C	9	q33.1
ENSG00000135905	DOCK10	dedicator of cytokinesis 10	2	q36.2
ENSG00000124256	ZBP1	Z-DNA binding protein 1	20	q13.31
ENSG00000169047	IRS1	insulin receptor substrate 1	2	q36.3
ENSG00000119912	IDE	insulin-degrading enzyme	10	q23.33
ENSG00000169031	COL4A3	collagen, type IV, alpha 3 (Goodpasture antigen)	2	q36.3
ENSG00000124209	RAB22A	RAB22A, member RAS oncogene family	20	q13.32
ENSG00000152804	HHEX	hematopoietically expressed homeobox	10	q23.33
ENSG00000138190	EXOC6	exocyst complex component 6	10	q23.33
ENSG00000187553	CYP26C1	cytochrome P450, family 26, subfamily C, polypeptide 1	10	q23.33
ENSG00000095596	CYP26A1	cytochrome P450, family 26, subfamily A, polypeptide 1	10	q23.33
ENSG00000115009	CCL20	chemokine (C-C motif) ligand 20	2	q36.3
ENSG00000204209	DAXX	death-domain associated protein	6	p21.32
ENSG00000187957	DNER	delta/notch-like EGF repeat containing	2	q36.3
ENSG00000136869	TLR4	toll-like receptor 4	9	q33.1
ENSG00000153827	TRIP12	thyroid hormone receptor interactor 12	2	q36.3
ENSG00000138207	RBP4	retinol binding protein 4, plasma	10	q23.33
ENSG00000112514	CUTA	cutA divalent cation tolerance homolog (E. coli)	6	p21.32
ENSG00000126016	AMOT	angiominin	X	q23
ENSG00000030110	BAK1	BCL2-antagonist/killer 1	6	p21.31
ENSG00000067066	SP100	SP100 nuclear antigen	2	q37.1
ENSG00000123496	IL13RA2	interleukin 13 receptor, alpha 2	X	q23
ENSG00000096433	ITPR3	inositol 1,4,5-trisphosphate receptor, type 3	6	p21.31
ENSG00000173699	SPATA3	spermatogenesis associated 3	2	q37.1
ENSG00000138193	PLCE1	phospholipase C, epsilon 1	10	q23.33
ENSG00000173692	PSMD1	proteasome (prosome, macropain) 26S subunit, non-ATPase, 1	2	q37.1
ENSG00000135914	HTR2B	5-hydroxytryptamine (serotonin) receptor 2B, G protein-coupled	2	q37.1
ENSG00000095261	PSMD5	proteasome (prosome, macropain) 26S subunit, non-ATPase, 5	9	q33.2

ENSG00000180772	AGTR2	angiotensin II receptor, type 2	X	q23
ENSG00000173145	NOC3L	nucleolar complex associated 3 homolog (<i>S. cerevisiae</i>)	10	q23.33
ENSG00000003096	KLHL13	kelch-like 13 (<i>Drosophila</i>)	X	q24
ENSG00000119969	HELLS	helicase, lymphoid-specific	10	q23.33
ENSG00000056558	TRAF1	TNF receptor-associated factor 1	9	q33.2
ENSG00000106804	C5	complement component 5	9	q33.2
ENSG00000101158	TH1L	TH1-like (<i>Drosophila</i>)	20	q13.32
ENSG00000119397	CNTRL	centriolin	9	q33.2
ENSG00000147251	DOCK11	dedicator of cytokinesis 11	X	q24
ENSG00000101160	CTSZ	cathepsin Z	20	q13.32
ENSG00000066248	NGEF	neuronal guanine nucleotide exchange factor	2	q37.1
ENSG00000148180	GSN	gelsolin	9	q33.2
ENSG00000124205	EDN3	endothelin 3	20	q13.32
ENSG00000131724	IL13RA1	interleukin 13 receptor, alpha 1	X	q24
ENSG00000168918	INPP5D	inositol polyphosphate-5-phosphatase, 145kDa	2	q37.1
ENSG00000077044	DGKD	diacylglycerol kinase, delta 130kDa	2	q37.1
ENSG00000196074	SYCP2	synaptonemal complex protein 2	20	q13.33
ENSG00000119977	TCTN3	tectonic family member 3	10	q24.1
ENSG00000124507	PACSN1	protein kinase C and casein kinase substrate in neurons 1	6	p21.31
ENSG00000138185	ENTPD1	ectonucleoside triphosphate diphosphohydrolase 1	10	q24.1
ENSG00000124215	CDH26	cadherin 26	20	q13.33
ENSG00000095585	BLNK	B-cell linker	10	q24.1
ENSG00000179242	CDH4	cadherin 4, type 1, R-cadherin (retinal)	20	q13.33
ENSG00000125354	SEPT6	septin 6	X	q24
ENSG00000149657	LSM14B	LSM14B, SCD6 homolog B (<i>S. cerevisiae</i>)	20	q13.33
ENSG00000095303	PTGS1	prostaglandin-endoperoxide synthase 1 (prostaglandin G/H synthase and cyclooxygenase)	9	q33.2
ENSG00000101182	PSMA7	proteasome (prosome, macropain) subunit, alpha type, 7	20	q13.33
ENSG00000112033	PPARD	peroxisome proliferator-activated receptor delta	6	p21.31
ENSG00000130147	SH3BP4	SH3-domain binding protein 4	2	q37.2
ENSG00000112039	FANCE	Fanconi anemia, complementation group E	6	p21.31
ENSG00000168505	GBX2	gastrulation brain homeobox 2	2	q37.2
ENSG00000144476	CXCR7	chemokine (C-X-C motif) receptor 7	2	q37.3

ENSG00000112041	TULP1	tubby like protein 1	6	p21.31
ENSG00000163359	COL6A3	collagen, type VI, alpha 3	2	q37.3
ENSG00000187122	SLIT1	slit homolog 1 (Drosophila)	10	q24.1
ENSG00000101882	NKAP	NFKB activating protein	X	q24
ENSG00000101180	HRH3	histamine receptor H3	20	q13.33
ENSG00000096060	FKBP5	FK506 binding protein 5	6	p21.31
ENSG00000130706	ADRM1	adhesion regulating molecule 1	20	q13.33
ENSG00000005893	LAMP2	lysosomal-associated membrane protein 2	X	q24
ENSG00000096063	SRPK1	SRSF protein kinase 1	6	p21.31
ENSG00000130702	LAMA5	laminin, alpha 5	20	q13.33
ENSG00000132323	ILKAP	integrin-linked kinase-associated serine/threonine phosphatase	2	q37.3
ENSG00000165879	FRAT1	frequently rearranged in advanced T-cell lymphomas	10	q24.1
ENSG00000181274	FRAT2	frequently rearranged in advanced T-cell lymphomas 2	10	q24.1
ENSG00000204104	TRAF3IP1	TNF receptor-associated factor 3 interacting protein 1	2	q37.3
ENSG00000065802	ASB1	ankyrin repeat and SOCS box containing 1	2	q37.3
ENSG00000101898	MCTS1	malignant T cell amplified sequence 1	20	q11.21
ENSG00000186891	TNFRSF18	tumor necrosis factor receptor superfamily, member 18	1	p36.33
ENSG00000068024	HDAC4	histone deacetylase 4	2	q37.3
ENSG00000186827	TNFRSF4	tumor necrosis factor receptor superfamily, member 4	1	p36.33
ENSG00000112062	MAPK14	mitogen-activated protein kinase 14	6	p21.31
ENSG00000119522	DENND1A	DENN/MADD domain containing 1A	9	q33.3
ENSG00000078808	SDF4	stromal cell derived factor 4	1	p36.33
ENSG00000172428	MYEOV2	myeloma overexpressed 2	2	q37.3
ENSG00000119408	NEK6	NIMA-related kinase 6	9	q33.3
ENSG00000171314	PGAM1	phosphoglycerate mutase 1 (brain)	10	q24.1
ENSG00000156711	MAPK13	mitogen-activated protein kinase 13	6	p21.31
ENSG00000142330	CAPN10	calpain 10	2	q37.3
ENSG00000136930	PSMB7	proteasome (prosome, macropain) subunit, beta type, 7	9	q33.3
ENSG00000112079	STK38	serine/threonine kinase 38	6	p21.31
ENSG00000171307	ZDHC16	zinc finger, DHHC-type containing 16	10	q24.1
ENSG00000124762	CDKN1A	cyclin-dependent kinase inhibitor 1A (p21, Cip1)	6	p21.2
ENSG00000136933	RABEPK	Rab9 effector protein with kelch motifs	9	q33.3

ENSG00000101966	XIAP	X-linked inhibitor of apoptosis	X q25
ENSG00000044574	HSPA5	heat shock 70kDa protein 5 (glucose-regulated protein, 78kDa)	9 q33.3
ENSG00000165219	GAPVD1	GTPase activating protein and VPS9 domains 1	9 q33.3
ENSG00000137409	MTCH1	mitochondrial carrier 1	6 p21.2
ENSG00000176720	BOK	BCL2-related ovarian killer	2 q37.3
ENSG00000101188	NTSR1	neurotensin receptor 1 (high affinity)	20 q13.33
ENSG00000167081	PBX3	pre-B-cell leukemia homeobox 3	9 q33.3
ENSG00000188389	PDCD1	programmed cell death 1	2 q37.3
ENSG00000183918	SH2D1A	SH2 domain containing 1A	X q25
ENSG00000146192	FGD2	FYVE, RhoGEF and PH domain containing 2	6 p21.2
ENSG00000137193	PIM1	pim-1 oncogene	6 p21.2
ENSG00000101191	DIDO1	death inducer-obliterator 1	20 q13.33
ENSG00000101194	SLC17A9	solute carrier family 17, member 9	20 q13.33
ENSG00000120057	SFRP5	secreted frizzled-related protein 5	10 q24.2
ENSG00000125533	BHLHE23	basic helix-loop-helix family, member e23	20 q13.33
ENSG00000183826	BTBD9	BTB (POZ) domain containing 9	6 p21.2
ENSG00000008128	CDK11A	cyclin-dependent kinase 11A	1 p36.33
ENSG00000101197	BIRC7	baculoviral IAP repeat containing 7	20 q13.33
ENSG00000124767	GLO1	glyoxalase I	6 p21.2
ENSG00000107521	HPS1	Hermansky-Pudlak syndrome 1	10 q24.2
ENSG00000102034	ELF4	E74-like factor 4 (ets domain transcription factor)	X q26.1
ENSG00000101203	COL20A1	collagen, type XX, alpha 1	20 q13.33
ENSG00000156709	AIFM1	apoptosis-inducing factor, mitochondrion-associated, 1	X q26.1
ENSG00000148356	LRSAM1	leucine rich repeat and sterile alpha motif containing 1	9 q33.3
ENSG00000101204	CHRNA4	cholinergic receptor, nicotinic, alpha 4 (neuronal)	20 q13.33
ENSG00000119919	NKX2-3	NK2 homeobox 3	10 q24.2
ENSG00000067606	PRKCZ	protein kinase C, zeta	1 p36.33
ENSG00000136854	STXBP1	syntaxin binding protein 1	9 q34.11
ENSG00000157933	SKI	v-ski sarcoma viral oncogene homolog (avian)	1 p36.33
ENSG00000147255	IGSF1	immunoglobulin superfamily, member 1	X q26.2
ENSG00000196072	BLOC1S2	biogenesis of lysosomal organelles complex-1, subunit 2	10 q24.31
ENSG00000197921	HES5	hairy and enhancer of split 5 (Drosophila)	1 p36.32

ENSG00000157873	TNFRSF14	tumor necrosis factor receptor superfamily, member 14	1	p36.32
ENSG00000134602	MST4	Serine/threonine-protein kinase MST4	X	q26.2
ENSG00000142611	PRDM16	PR domain containing 16	1	p36.32
ENSG00000161911	TREML1	triggering receptor expressed on myeloid cells-like 1	6	p21.1
ENSG00000095970	TREM2	triggering receptor expressed on myeloid cells 2	6	p21.1
ENSG00000106991	ENG	endoglin	9	q34.11
ENSG00000130762	ARHGEF16	Rho guanine nucleotide exchange factor (GEF) 16	1	p36.32
ENSG00000112195	TREML2	triggering receptor expressed on myeloid cells-like 2	6	p21.1
ENSG00000184106	TREML3P	triggering receptor expressed on myeloid cells-like 3, pseudogene	6	p21.1
ENSG00000188056	TREML4	triggering receptor expressed on myeloid cells-like 4	6	p21.1
ENSG00000124731	TREM1	triggering receptor expressed on myeloid cells 1	6	p21.1
ENSG00000096264	NCR2	natural cytotoxicity triggering receptor 2	6	p21.1
ENSG00000095539	SEMA4G	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4G	10	q24.31
ENSG00000112559	MDFI	MyoD family inhibitor	6	p21.1
ENSG00000147257	GPC3	glypican 3	X	q26.2
ENSG00000078900	TP73	tumor protein p73	1	p36.32
ENSG00000165704	HPRT1	hypoxanthine phosphoribosyltransferase 1	X	q26.2
ENSG00000169598	DFFB	DNA fragmentation factor, 40kDa, beta polypeptide (caspase-activated DNase)	1	p36.32
ENSG00000112578	BYSL	bystin-like	6	p21.1
ENSG00000112576	CCND3	cyclin D3	6	p21.1
ENSG00000137413	TAF8	TAF8 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 43kDa	6	p21.1
ENSG00000196581	AJAP1	adherens junctions associated protein 1	1	p36.32
ENSG00000107807	TLX1	T-cell leukemia homeobox 1	10	q24.31
ENSG00000131697	NPHP4	nephronophthisis 4	1	p36.31
ENSG00000166169	POLL	polymerase (DNA directed), lambda	10	q24.32
ENSG00000171169	NAIF1	nuclear apoptosis inducing factor 1	9	q34.11
ENSG00000148334	PTGES2	prostaglandin E synthase 2	9	q34.11
ENSG00000112619	PRPH2	peripherin 2 (retinal degeneration, slow)	6	p21.1
ENSG00000171611	PTCRA	pre T-cell antigen receptor alpha	6	p21.1
ENSG00000148346	LCN2	lipocalin 2	9	q34.11
ENSG00000101152	DNAJC5	DnaJ (Hsp40) homolog, subfamily C, member 5	20	q13.33

ENSG00000116251	RPL22	ribosomal protein L22	1	p36.31
ENSG00000102241	HTATSF1	HIV-1 Tat specific factor 1	X	q26.3
ENSG00000102245	CD40LG	CD40 ligand	X	q26.3
ENSG00000129675	ARHGEF6	Rac/Cdc42 guanine nucleotide exchange factor (GEF) 6	X	q26.3
ENSG00000203883	SOX18	SRY (sex determining region Y)-box 18	20	q13.33
ENSG00000171680	PLEKHG5	pleckstrin homology domain containing, family G (with RhoGef domain) member 5	1	p36.31
ENSG00000106976	DNM1	dynamain 1	9	q34.11
ENSG00000112655	PTK7	PTK7 protein tyrosine kinase 7	6	p21.1
ENSG00000112658	SRF	serum response factor (c-fos serum response element-binding transcription factor)	6	p21.1
ENSG00000101977	MCF2	MCF.2 cell line derived transforming sequence	X	q27.1
ENSG00000077150	NFKB2	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2 (p49/p100)	10	q24.32
ENSG00000162413	KLHL21	kelch-like 21 (Drosophila)	1	p36.31
ENSG00000146215	CRIP3	cysteine-rich protein 3	6	p21.1
ENSG00000167123	CERCAM	cerebral endothelial cell adhesion molecule	9	q34.11
ENSG00000041988	THAP3	THAP domain containing, apoptosis associated protein 3	1	p36.31
ENSG00000049245	VAMP3	vesicle-associated membrane protein 3	1	p36.23
ENSG00000049249	TNFRSF9	tumor necrosis factor receptor superfamily, member 9	1	p36.23
ENSG00000148843	PDCD11	programmed cell death 11	10	q24.33
ENSG00000160447	PKN3	protein kinase N3	9	q34.11
ENSG00000172426	RSPH9	radial spoke head 9 homolog (Chlamydomonas)	6	p21.1
ENSG00000171603	CLSTN1	calsyntenin 1	1	p36.22
ENSG00000065613	SLK	STE20-like kinase	10	q24.33
ENSG00000167136	ENDOG	endonuclease G	9	q34.11
ENSG00000178585	CTNNBIP1	catenin, beta interacting protein 1	1	p36.22
ENSG00000112715	VEGFA	vascular endothelial growth factor A	6	p21.1
ENSG00000136802	LRRRC8A	leucine rich repeat containing 8 family, member A	9	q34.11
ENSG00000102181	CD99L2	CD99 molecule-like 2	X	q28
ENSG00000130939	UBE4B	ubiquitination factor E4B	1	p36.22
ENSG00000054523	KIF1B	kinesin family member 1B	1	p36.22
ENSG00000175279	APITD1	apoptosis-inducing, TAF9-like domain 1	1	p36.22
ENSG00000119383	PPP2R4	protein phosphatase 2A activator, regulatory subunit 4	9	q34.11
ENSG00000160049	DFFA	DNA fragmentation factor, 45kDa, alpha polypeptide	1	p36.22

ENSG00000148700	ADD3	adducin 3 (gamma)	10	q25.1
ENSG00000148335	NTMT1	N-terminal Xaa-Pro-Lys N-methyltransferase 1	9	q34.11
ENSG00000009724	MASP2	mannan-binding lectin serine peptidase 2	1	p36.22
ENSG00000148344	PTGES	prostaglandin E synthase	9	q34.11
ENSG00000198793	MTOR	mechanistic target of rapamycin (serine/threonine kinase)	1	p36.22
ENSG00000147400	CETN2	centrin, EF-hand protein, 2	X	q28
ENSG00000096384	HSP90AB1	heat shock protein 90kDa alpha (cytosolic), class B member 1	6	p21.1
ENSG00000136878	USP20	ubiquitin specific peptidase 20	9	q34.11
ENSG00000119953	SMNDC1	survival motor neuron domain containing 1	10	q25.2
ENSG00000187239	FNBP1	formin binding protein 1	9	q34.11
ENSG00000107130	NCS1	neuronal calcium sensor 1	9	q34.11
ENSG00000130707	ASS1	argininosuccinate synthase 1	9	q34.11
ENSG00000150593	PDCD4	programmed cell death 4 (neoplastic transformation inhibitor)	10	q25.2
ENSG00000146232	NFKBIE	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, epsilon	6	p21.1
ENSG00000097007	ABL1	c-abl oncogene 1, non-receptor tyrosine kinase	9	q34.12
ENSG00000050555	LAMC3	laminin, gamma 3	9	q34.12
ENSG00000150594	ADRA2A	adrenoceptor alpha 2A	10	q25.2
ENSG00000119927	GPAM	glycerol-3-phosphate acyltransferase, mitochondrial	10	q25.2
ENSG00000126878	AIF1L	allograft inflammatory factor 1-like	9	q34.12
ENSG00000185825	BCAP31	B-cell receptor-associated protein 31	X	q28
ENSG00000175206	NPPA	natriuretic peptide A	1	p36.22
ENSG00000148737	TCF7L2	transcription factor 7-like 2 (T-cell specific, HMG-box)	10	q25.2
ENSG00000130723	PRRC2B	proline-rich coiled-coil 2B	9	q34.13
ENSG00000146070	PLA2G7	phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma)	6	p12.3
ENSG00000148702	HABP2	hyaluronan binding protein 2	10	q25.3
ENSG00000197893	NRAP	nebulin-related anchoring protein	10	q25.3
ENSG00000120949	TNFRSF8	tumor necrosis factor receptor superfamily, member 8	1	p36.22
ENSG00000146072	TNFRSF21	tumor necrosis factor receptor superfamily, member 21	6	p12.3
ENSG00000165806	CASP7	caspase 7, apoptosis-related cysteine peptidase	10	q25.3
ENSG00000198087	CD2AP	CD2-associated protein	6	p12.3
ENSG00000028137	TNFRSF1B	tumor necrosis factor receptor superfamily, member 1B	1	p36.22
ENSG00000198910	L1CAM	L1 cell adhesion molecule	X	q28

ENSG00000043591	ADRB1	adrenoceptor beta 1	10 q25.3
ENSG00000125492	BARHL1	BarH-like homeobox 1	9 q34.13
ENSG00000177684	DEFB114	defensin, beta 114	6 p12.3
ENSG00000203970	DEFB110	defensin, beta 110 locus	6 p12.3
ENSG00000180872	DEFB112	defensin, beta 112	6 p12.3
ENSG00000169129	AFAP1L2	actin filament associated protein 1-like 2	10 q25.3
ENSG00000170927	PKHD1	polycystic kidney and hepatic disease 1 (autosomal recessive)	6 p12.2
ENSG00000112115	IL17A	interleukin 17A	6 p12.2
ENSG00000112116	IL17F	interleukin 17F	6 p12.2
ENSG00000089820	ARHGAP4	Rho GTPase activating protein 4	X q28
ENSG00000162493	PDPN	podoplanin	1 p36.21
ENSG00000172534	HCFC1	host cell factor C1 (VP16-accessory protein)	X q28
ENSG00000184216	IRAK1	interleukin-1 receptor-associated kinase 1	X q28
ENSG00000132906	CASP9	caspase 9, apoptosis-related cysteine peptidase	1 p36.21
ENSG00000175164	ABO	ABO blood group (transferase A, alpha 1-3-N-acetylgalactosaminyltransferase; transferase B, alpha 1-3-galactosyltransferase)	9 q34.2
ENSG00000112144	ICK	intestinal cell (MAK-like) kinase	6 p12.1
ENSG00000007350	TKTL1	transketolase-like 1	X q28
ENSG00000196924	FLNA	filamin A, alpha	X q28
ENSG00000001084	GCLC	glutamate-cysteine ligase, catalytic subunit	6 p12.1
ENSG00000165672	PRDX3	peroxiredoxin 3	10 q26.11
ENSG00000137251	TINAG	tubulointerstitial nephritis antigen	6 p12.1
ENSG00000162458	FBLIM1	filamin binding LIM protein 1	1 p36.21
ENSG00000198873	GRK5	G protein-coupled receptor kinase 5	10 q26.11
ENSG00000187871	GFRAL	GDNF family receptor alpha like	6 p12.1
ENSG00000151923	TIAL1	TIA1 cytotoxic granule-associated RNA binding protein-like 1	10 q26.11
ENSG00000112175	BMP5	bone morphogenetic protein 5	6 p12.1
ENSG00000151929	BAG3	BCL2-associated athanogene 3	10 q26.11
ENSG00000124749	COL21A1	collagen, type XXI, alpha 1	6 p12.1
ENSG00000151914	DST	dystonin	6 p12.1
ENSG00000160323	ADAMTS13	ADAM metallopeptidase with thrombospondin type 1 motif, 13	9 q34.2
ENSG00000142627	EPHA2	EPH receptor A2	1 p36.13

ENSG00000157191	NECAP2	NECAP endocytosis associated 2	1	p36.13
ENSG00000123454	DBH	dopamine beta-hydroxylase (dopamine beta-monoxygenase)	9	q34.2
ENSG00000186301	MST1P2	macrophage stimulating 1 (hepatocyte growth factor-like) pseudogene 2	1	p36.13
ENSG00000112208	BAG2	BCL2-associated athanogene 2	6	p12.1
ENSG00000160293	VAV2	vav 2 guanine nucleotide exchange factor	9	q34.2
ENSG00000186715	MST1P9	macrophage stimulating 1-like	1	p36.13
ENSG00000130827	PLXNA3	plexin A3	X	q28
ENSG00000146143	PRIM2	primase, DNA, polypeptide 2 (58kDa)	6	p11.2
ENSG00000198225	FKBP1C	FK506 binding protein 1C	6	q12
ENSG00000186350	RXRA	retinoid X receptor, alpha	9	q34.2
ENSG00000160211	G6PD	glucose-6-phosphate dehydrogenase	X	q28
ENSG00000130635	COL5A1	collagen, type V, alpha 1	9	q34.3
ENSG00000160339	FCN2	ficolin (collagen/fibrinogen domain containing lectin) 2 (hucolin)	9	q34.3
ENSG00000085265	FCN1	ficolin (collagen/fibrinogen domain containing) 1	9	q34.3
ENSG00000107679	PLEKHA1	pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 1	10	q26.13
ENSG00000166033	HTRA1	HtrA serine peptidase 1	10	q26.13
ENSG00000082293	COL19A1	collagen, type XIX, alpha 1	6	q13
ENSG00000187908	DMBT1	deleted in malignant brain tumors 1	10	q26.13
ENSG00000112280	COL9A1	collagen, type IX, alpha 1	6	q13
ENSG00000009709	PAX7	paired box 7	1	p36.13
ENSG00000130830	MPP1	membrane protein, palmitoylated 1, 55kDa	X	q28
ENSG00000185010	F8	coagulation factor VIII, procoagulant component	X	q28
ENSG00000079841	RIMS1	regulating synaptic membrane exocytosis 1	6	q13
ENSG00000138161	CUZD1	CUB and zona pellucida-like domains 1	10	q26.13
ENSG00000187796	CARD9	caspase recruitment domain family, member 9	9	q34.3
ENSG00000182712	MTCP1NB	C-x(9)-C motif containing 4 homolog (<i>S. cerevisiae</i>)	X	q28
ENSG00000148400	NOTCH1	notch 1	9	q34.3
ENSG00000169692	AGPAT2	1-acylglycerol-3-phosphate O-acyltransferase 2 (lysophosphatidic acid acyltransferase, beta)	9	q34.3
ENSG00000156535	CD109	CD109 molecule	6	q13
ENSG00000121898	CPXM2	carboxypeptidase X (M14 family), member 2	10	q26.13
ENSG00000124333	VAMP7	vesicle-associated membrane protein 7	X	q28
ENSG00000124334	IL9R	interleukin 9 receptor	X	q28

ENSG00000111799	COL12A1	collagen, type XII, alpha 1	6	q14.1
ENSG00000203791	METTL10	methyltransferase like 10	10	q26.13
ENSG00000158748	HTR6	5-hydroxytryptamine (serotonin) receptor 6, G protein-coupled	1	p36.13
ENSG00000175029	CTBP2	C-terminal binding protein 2	10	q26.13
ENSG00000177943	MAMDC4	MAM domain containing 4	9	q34.3
ENSG00000188257	PLA2G2A	phospholipase A2, group IIA (platelets, synovial fluid)	1	p36.13
ENSG00000127472	PLA2G5	phospholipase A2, group V	1	p36.13
ENSG00000127191	TRAF2	TNF receptor-associated factor 2	9	q34.3
ENSG00000176919	C8G	complement component 8, gamma polypeptide	9	q34.3
ENSG00000090432	MUL1	mitochondrial E3 ubiquitin protein ligase 1	1	p36.12
ENSG00000107317	PTGDS	prostaglandin D2 synthase 21kDa (brain)	9	q34.3
ENSG00000158828	PINK1	PTEN induced putative kinase 1	1	p36.12
ENSG00000148848	ADAM12	ADAM metallopeptidase domain 12	10	q26.2
ENSG00000054179	ENTPD2	ectonucleoside triphosphate diphosphohydrolase 2	9	q34.3
ENSG00000117298	ECE1	endothelin converting enzyme 1	1	p36.12
ENSG00000150760	DOCK1	dedicator of cytokinesis 1	10	q26.2
ENSG00000132334	PTPRE	protein tyrosine phosphatase, receptor type, E	10	q26.2
ENSG00000196586	MYO6	myosin VI	6	q14.1
ENSG00000148773	MKI67	antigen identified by monoclonal antibody Ki-67	10	q26.2
ENSG00000170430	MGMT	O-6-methylguanine-DNA methyltransferase	10	q26.3
ENSG00000162551	ALPL	alkaline phosphatase, liver/bone/kidney	1	p36.12
ENSG00000108001	EBF3	early B-cell factor 3	10	q26.3
ENSG00000108010	GLRX3	glutaredoxin 3	10	q26.3
ENSG00000188229	TUBB4B	tubulin, beta 4B class IVb	9	q34.3
ENSG00000176171	BNIP3	BCL2/adenovirus E1B 19kDa interacting protein 3	10	q26.3
ENSG00000188385	JAKMIP3	Janus kinase and microtubule interacting protein 3	10	q26.3
ENSG00000146243	IRAK1BP1	interleukin-1 receptor-associated kinase 1 binding protein 1	6	q14.1
ENSG00000188747	NOXA1	NADPH oxidase activator 1	9	q34.3
ENSG00000146247	PHIP	pleckstrin homology domain interacting protein	6	q14.1
ENSG00000142798	HSPG2	heparan sulfate proteoglycan 2	1	p36.12
ENSG00000182154	MRPL41	mitochondrial ribosomal protein L41	9	q34.3
ENSG00000070831	CDC42	cell division cycle 42 (GTP binding protein, 25kDa)	1	p36.12

ENSG00000162552	WNT4	wingless-type MMTV integration site family, member 4	1	p36.12
ENSG00000005700	IBTK	inhibitor of Bruton agammaglobulinemia tyrosine kinase	6	q14.1
ENSG00000146242	TPBG	trophoblast glycoprotein	6	q14.1
ENSG00000130643	CALY	calcyon neuron-specific vesicular protein	10	q26.3
ENSG00000173372	C1QA	complement component 1, q subcomponent, A chain	1	p36.12
ENSG00000159189	C1QC	complement component 1, q subcomponent, C chain	1	p36.12
ENSG00000173369	C1QB	complement component 1, q subcomponent, B chain	1	p36.12
ENSG00000065609	SNAP91	synaptosomal-associated protein, 91kDa homolog (mouse)	6	q14.2
ENSG00000135324	MRAP2	melanocortin 2 receptor accessory protein 2	6	q14.2
ENSG00000007968	E2F2	E2F transcription factor 2	1	p36.12
ENSG00000117318	ID3	inhibitor of DNA binding 3, dominant negative helix-loop-helix protein	1	p36.12
ENSG00000142676	RPL11	ribosomal protein L11	1	p36.11
ENSG00000135318	NT5E	5'-nucleotidase, ecto (CD73)	6	q14.3
ENSG00000188822	CNR2	cannabinoid receptor 2 (macrophage)	1	p36.11
ENSG00000142677	IL22RA1	interleukin 22 receptor, alpha 1	1	p36.11
ENSG00000185436	IL28RA	interleukin 28 receptor, alpha (interferon, lambda receptor)	1	p36.11
ENSG00000135334	AKIRIN2	akirin 2	6	q15
ENSG00000118432	CNR1	cannabinoid receptor 1 (brain)	6	q15
ENSG00000020633	RUNX3	runt-related transcription factor 3	1	p36.11
ENSG00000187010	RHD	Rh blood group, D antigen	1	p36.11
ENSG00000188672	RHCE	Rh blood group, CcEe antigens	1	p36.11
ENSG00000118412	CASP8AP2	caspase 8 associated protein 2	6	q15
ENSG00000157978	LDLRAP1	low density lipoprotein receptor adaptor protein 1	1	p36.11
ENSG00000135341	MAP3K7	mitogen-activated protein kinase kinase kinase 7	6	q15
ENSG00000135333	EPHA7	EPH receptor A7	6	q16.1
ENSG00000158006	PAFAH2	platelet-activating factor acetylhydrolase 2, 40kDa	1	p36.11
ENSG00000158008	EXTL1	exostoses (multiple)-like 1	1	p36.11
ENSG00000169442	CD52	CD52 molecule	1	p36.11
ENSG00000117676	RPS6KA1	ribosomal protein S6 kinase, 90kDa, polypeptide 1	1	p36.11
ENSG00000164418	GRIK2	glutamate receptor, ionotropic, kainate 2	6	q16.3
ENSG00000175793	SFN	stratifin	1	p36.11
ENSG00000112276	BVES	blood vessel epicardial substance	6	q21

ENSG00000090020	SLC9A1	solute carrier family 9, subfamily A (NHE1, cation proton antiporter 1), member 1	1 p36.11
ENSG00000142765	SYTL1	synaptotagmin-like 1	1 p36.11
ENSG00000057663	ATG5	autophagy related 5	6 q21
ENSG00000142748	FCN3	ficolin (collagen/fibrinogen domain containing) 3 (Hakata antigen)	1 p36.11
ENSG00000174950	CD164L2	CD164 sialomucin-like 2	1 p36.11
ENSG00000158195	WASF2	WAS protein family, member 2	1 p36.11
ENSG00000126709	IFI6	interferon, alpha-inducible protein 6	1 p35.3
ENSG00000112335	SNX3	sorting nexin 3	6 q21
ENSG00000118689	FOXO3	forkhead box O3	6 q21
ENSG00000130775	THEMIS2	thymocyte selection associated family member 2	1 p35.3
ENSG00000135535	CD164	CD164 molecule, sialomucin	6 q21
ENSG00000185250	PPIL6	peptidylprolyl isomerase (cyclophilin)-like 6	6 q21
ENSG00000135587	SMPD2	sphingomyelin phosphodiesterase 2, neutral membrane (neutral sphingomyelinase)	6 q21
ENSG00000158156	XKR8	XK, Kell blood group complex subunit-related family, member 8	1 p35.3
ENSG00000169403	PTAFR	platelet-activating factor receptor	1 p35.3
ENSG00000155111	CDK19	cyclin-dependent kinase 19	6 q21
ENSG00000060656	PTPRU	protein tyrosine phosphatase, receptor type, U	1 p35.3
ENSG00000162512	SDC3	syndecan 3	1 p35.2
ENSG00000056972	TRAF3IP2	TRAF3 interacting protein 2	6 q21
ENSG00000010810	FYN	FYN oncogene related to SRC, FGR, YES	6 q21
ENSG00000084636	COL16A1	collagen, type XVI, alpha 1	1 p35.2
ENSG00000112769	LAMA4	laminin, alpha 4	6 q21
ENSG00000196591	HDAC2	histone deacetylase 2	6 q21
ENSG00000084652	TXLNA	taxilin alpha	1 p35.2
ENSG00000111816	FRK	fyn-related kinase	6 q22.1
ENSG00000182866	LCK	lymphocyte-specific protein tyrosine kinase	1 p35.2
ENSG00000111834	RSPH4A	radial spoke head 4 homolog A (Chlamydomonas)	6 q22.1
ENSG00000116478	HDAC1	histone deacetylase 1	1 p35.2
ENSG00000185002	RFX6	regulatory factor X, 6	6 q22.1
ENSG00000134684	YARS	tyrosyl-tRNA synthetase	1 p35.1
ENSG00000164465	DCBLD1	discoidin, CUB and LCCL domain containing 1	6 q22.1
ENSG00000152661	GJA1	gap junction protein, alpha 1, 43kDa	6 q22.31

ENSG00000111907	TPD52L1	tumor protein D52-like 1	6	q22.31
ENSG00000126067	PSMB2	proteasome (prosome, macropain) subunit, beta type, 2	1	p34.3
ENSG00000172673	THEMIS	thymocyte selection associated	6	q22.33
ENSG00000152894	PTPRK	protein tyrosine phosphatase, receptor type, K	6	q22.33
ENSG00000171812	COL8A2	collagen, type VIII, alpha 2	1	p34.3
ENSG00000196569	LAMA2	laminin, alpha 2	6	q22.33
ENSG00000119535	CSF3R	colony stimulating factor 3 receptor (granulocyte)	1	p34.3
ENSG00000163874	ZC3H12A	zinc finger CCCH-type containing 12A	1	p34.3
ENSG00000183520	UTP11L	UTP11-like, U3 small nucleolar ribonucleoprotein, (yeast)	1	p34.3
ENSG00000116954	RRAGC	Ras-related GTP binding C	1	p34.3
ENSG00000197594	ENPP1	ectonucleotide pyrophosphatase/phosphodiesterase 1	6	q23.2
ENSG00000118523	CTGF	connective tissue growth factor	6	q23.2
ENSG00000112299	VNN1	vanin 1	6	q23.2
ENSG00000183682	BMP8A	bone morphogenetic protein 8a	1	p34.3
ENSG00000118526	TCF21	transcription factor 21	6	q23.2
ENSG00000084072	PPIE	peptidylprolyl isomerase E (cyclophilin E)	1	p34.2
ENSG00000116985	BMP8B	bone morphogenetic protein 8b	1	p34.2
ENSG00000118515	SGK1	serum/glucocorticoid regulated kinase 1	6	q23.2
ENSG00000131236	CAP1	CAP, adenylate cyclase-associated protein 1 (yeast)	1	p34.2
ENSG00000131238	PPT1	palmitoyl-protein thioesterase 1	1	p34.2
ENSG00000029363	BCLAF1	BCL2-associated transcription factor 1	6	q23.3
ENSG00000197442	MAP3K5	mitogen-activated protein kinase kinase kinase 5	6	q23.3
ENSG00000117016	RIMS3	regulating synaptic membrane exocytosis 3	1	p34.2
ENSG00000016402	IL20RA	interleukin 20 receptor, alpha	6	q23.3
ENSG00000164485	IL22RA2	interleukin 22 receptor, alpha 2	6	q23.3
ENSG00000027697	IFNGR1	interferon gamma receptor 1	6	q23.3
ENSG00000118503	TNFAIP3	tumor necrosis factor, alpha-induced protein 3	6	q23.3
ENSG00000112378	PERP	PERP, TP53 apoptosis effector	6	q23.3
ENSG00000171790	SLFNL1	schlafen-like 1	1	p34.2
ENSG00000127129	EDN2	endothelin 2	1	p34.2
ENSG00000127124	HIVEP3	human immunodeficiency virus type I enhancer binding protein 3	1	p34.2
ENSG00000164442	CITED2	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 2	6	q24.1

ENSG00000171960	PPIH	peptidylprolyl isomerase H (cyclophilin H)	1	p34.2
ENSG00000164007	CLDN19	claudin 19	1	p34.2
ENSG00000010818	HIVEP2	human immunodeficiency virus type I enhancer binding protein 2	6	q24.2
ENSG00000164010	ERMAP	erythroblast membrane-associated protein (Scianna blood group)	1	p34.2
ENSG00000189007	ADAT2	adenosine deaminase, tRNA-specific 2	6	q24.2
ENSG00000066056	TIE1	tyrosine kinase with immunoglobulin-like and EGF-like domains 1	1	p34.2
ENSG00000118495	PLAGL1	pleiomorphic adenoma gene-like 1	6	q24.2
ENSG00000117400	MPL	myeloproliferative leukemia virus oncogene	1	p34.2
ENSG00000142949	PTPRF	protein tyrosine phosphatase, receptor type, F	1	p34.2
ENSG00000164506	STXBP5	syntaxin binding protein 5 (tomosyn)	6	q24.3
ENSG00000131013	PPIL4	peptidylprolyl isomerase (cyclophilin)-like 4	6	q25.1
ENSG00000164520	RAET1E	retinoic acid early transcript 1E	6	q25.1
ENSG00000203722	RAET1G	retinoic acid early transcript 1G	6	q25.1
ENSG00000131015	ULBP2	UL16 binding protein 2	6	q25.1
ENSG00000111981	ULBP1	UL16 binding protein 1	6	q25.1
ENSG00000155918	RAET1L	retinoic acid early transcript 1L	6	q25.1
ENSG00000131019	ULBP3	UL16 binding protein 3	6	q25.1
ENSG00000117450	PRDX1	peroxiredoxin 1	1	p34.1
ENSG00000086015	MAST2	microtubule associated serine/threonine kinase 2	1	p34.1
ENSG00000079277	MKNK1	MAP kinase interacting serine/threonine kinase 1	1	p33
ENSG00000112038	OPRM1	opioid receptor, mu 1	6	q25.2
ENSG00000146426	TIAM2	T-cell lymphoma invasion and metastasis 2	6	q25.2
ENSG00000162367	TAL1	T-cell acute lymphocytic leukemia 1	1	p33
ENSG00000186564	FOXD2	forkhead box D2	1	p33
ENSG00000171217	CLDN20	claudin 20	6	q25.3
ENSG00000117834	SLC5A9	solute carrier family 5 (sodium/glucose cotransporter), member 9	1	p33
ENSG00000185104	FAF1	Fas (TNFRSF6) associated factor 1	1	p32.3
ENSG00000123080	CDKN2C	cyclin-dependent kinase inhibitor 2C (p18, inhibits CDK4)	1	p32.3
ENSG00000146425	DYNLT1	dynein, light chain, Tctex-type 1	6	q25.3
ENSG00000092820	EZR	ezrin	6	q25.3
ENSG00000130363	RSPH3	radial spoke 3 homolog (Chlamydomonas)	6	q25.3
ENSG00000164691	TAGAP	T-cell activation RhoGTPase activating protein	6	q25.3

ENSG00000112096	SOD2	superoxide dismutase 2, mitochondrial	6	q25.3
ENSG00000169213	RAB3B	RAB3B, member RAS oncogene family	1	p32.3
ENSG00000130368	MAS1	MAS1 oncogene	6	q25.3
ENSG00000197081	IGF2R	insulin-like growth factor 2 receptor	6	q25.3
ENSG00000157077	ZFYVE9	zinc finger, FYVE domain containing 9	1	p32.3
ENSG00000134744	ZCCHC11	zinc finger, CCHC domain containing 11	1	p32.3
ENSG00000157193	LRP8	low density lipoprotein receptor-related protein 8, apolipoprotein e receptor	1	p32.3
ENSG00000122194	PLG	plasminogen	6	q26
ENSG00000085511	MAP3K4	mitogen-activated protein kinase kinase kinase 4	6	q26
ENSG00000081870	HSPB11	heat shock protein family B (small), member 11	1	p32.3
ENSG00000071242	RPS6KA2	ribosomal protein S6 kinase, 90kDa, polypeptide 2	6	q27
ENSG00000112486	CCR6	chemokine (C-C motif) receptor 6	6	q27
ENSG00000116133	DHCR24	24-dehydrocholesterol reductase	1	p32.3
ENSG00000169174	PCSK9	proprotein convertase subtilisin/kexin type 9	1	p32.3
ENSG00000130396	MLLT4	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 4	6	q27
ENSG00000162407	PPAP2B	phosphatidic acid phosphatase type 2B	1	p32.2
ENSG00000162409	PRKAA2	protein kinase, AMP-activated, alpha 2 catalytic subunit	1	p32.2
ENSG00000157131	C8A	complement component 8, alpha polypeptide	1	p32.2
ENSG00000021852	C8B	complement component 8, beta polypeptide	1	p32.2
ENSG00000173406	DAB1	disabled homolog 1 (Drosophila)	1	p32.1
ENSG00000112562	SMOC2	SPARC related modular calcium binding 2	6	q27
ENSG00000186340	THBS2	thrombospondin 2	6	q27
ENSG00000177606	JUN	jun proto-oncogene	1	p32.1
ENSG00000198719	DLL1	delta-like 1 (Drosophila)	6	q27
ENSG00000008018	PSMB1	proteasome (prosome, macropain) subunit, beta type, 1	6	q27
ENSG00000162604	TM2D1	TM2 domain containing 1	1	p31.3
ENSG00000071994	PDCD2	programmed cell death 2	6	q27
ENSG00000116641	DOCK7	dedicator of cytokinesis 7	1	p31.3
ENSG00000132855	ANGPTL3	angiopoietin-like 3	1	p31.3
ENSG00000187140	FOXD3	forkhead box D3	1	p31.3
ENSG00000142856	ITGB3BP	integrin beta 3 binding protein (beta3-endonexin)	1	p31.3
ENSG00000116652	DLEU2L	deleted in lymphocytic leukemia 2-like	1	p31.3

ENSG00000162434	JAK1	Janus kinase 1	1	p31.3
ENSG00000116678	LEPR	leptin receptor	1	p31.3
ENSG00000162594	IL23R	interleukin 23 receptor	1	p31.3
ENSG00000081985	IL12RB2	interleukin 12 receptor, beta 2	1	p31.3
ENSG00000142864	SERBP1	SERPINE1 mRNA binding protein 1	1	p31.3
ENSG00000116717	GADD45A	growth arrest and DNA-damage-inducible, alpha	1	p31.3
ENSG00000172380	GNG12	guanine nucleotide binding protein (G protein), gamma 12	1	p31.3
ENSG00000050628	PTGER3	prostaglandin E receptor 3 (subtype EP3)	1	p31.1
ENSG00000172260	NEGR1	neuronal growth regulator 1	1	p31.1
ENSG00000077254	USP33	ubiquitin specific peptidase 33	1	p31.1
ENSG00000122420	PTGFR	prostaglandin F receptor (FP)	1	p31.1
ENSG00000137959	IFI44L	interferon-induced protein 44-like	1	p31.1
ENSG00000137965	IFI44	interferon-induced protein 44	1	p31.1
ENSG00000142875	PRKACB	protein kinase, cAMP-dependent, catalytic, beta	1	p31.1
ENSG00000117155	SSX2IP	synovial sarcoma, X breakpoint 2 interacting protein	1	p22.3
ENSG00000142867	BCL10	B-cell CLL/lymphoma 10	1	p22.3
ENSG00000142871	CYR61	cysteine-rich, angiogenic inducer, 61	1	p22.3
ENSG00000171502	COL24A1	collagen, type XXIV, alpha 1	1	p22.3
ENSG00000137975	CLCA2	chloride channel accessory 2	1	p22.3
ENSG00000097033	SH3GLB1	SH3-domain GRB2-like endophilin B1	1	p22.3
ENSG00000065243	PKN2	protein kinase N2	1	p22.2
ENSG00000117228	GBP1	guanylate binding protein 1, interferon-inducible	1	p22.2
ENSG00000162645	GBP2	guanylate binding protein 2, interferon-inducible	1	p22.2
ENSG00000069702	TGFBR3	transforming growth factor, beta receptor III	1	p22.1
ENSG00000174842	GLMN	glomulin, FKBP associated protein	1	p22.1
ENSG00000137942	FNBP1L	formin binding protein 1-like	1	p22.1
ENSG00000023909	GCLM	glutamate-cysteine ligase, modifier subunit	1	p22.1
ENSG00000117525	F3	coagulation factor III (thromboplastin, tissue factor)	1	p21.3
ENSG00000162692	VCAM1	vascular cell adhesion molecule 1	1	p21.2
ENSG00000170989	S1PR1	sphingosine-1-phosphate receptor 1	1	p21.2
ENSG00000060718	COL11A1	collagen, type XI, alpha 1	1	p21.1
ENSG00000134215	VAV3	vav 3 guanine nucleotide exchange factor	1	p13.3

ENSG00000116266	STXBP3	syntaxin binding protein 3	1	p13.3
ENSG00000143126	CELSR2	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	1	p13.3
ENSG00000134243	SORT1	sortilin 1	1	p13.3
ENSG00000143106	PSMA5	proteasome (prosome, macropain) subunit, alpha type, 5	1	p13.3
ENSG00000181754	AMIGO1	adhesion molecule with Ig-like domain 1	1	p13.3
ENSG00000184371	CSF1	colony stimulating factor 1 (macrophage)	1	p13.3
ENSG00000156150	ALX3	ALX homeobox 3	1	p13.3
ENSG00000162775	RBM15	RNA binding motif protein 15	1	p13.3
ENSG00000134248	HBXIP	late endosomal/lysosomal adaptor, MAPK and MTOR activator 5	1	p13.3
ENSG00000143119	CD53	CD53 molecule	1	p13.3
ENSG00000156171	DRAM2	DNA-damage regulated autophagy modulator 2	1	p13.3
ENSG00000134216	CHIA	chitinase, acidic	1	p13.2
ENSG00000064703	DDX20	DEAD (Asp-Glu-Ala-Asp) box polypeptide 20	1	p13.2
ENSG00000155363	MOV10	Mov10, Moloney leukemia virus 10, homolog (mouse)	1	p13.2
ENSG00000184599	FAM19A3	family with sequence similarity 19 (chemokine (C-C motif)-like), member A3	1	p13.2
ENSG00000198799	LRIG2	leucine-rich repeats and immunoglobulin-like domains 2	1	p13.2
ENSG00000081026	MAGI3	membrane associated guanylate kinase, WW and PDZ domain containing 3	1	p13.2
ENSG00000134242	PTPN22	protein tyrosine phosphatase, non-receptor type 22 (lymphoid)	1	p13.2
ENSG00000188761	BCL2L15	BCL2-like 15	1	p13.2
ENSG00000163349	HIPK1	homeodomain interacting protein kinase 1	1	p13.2
ENSG00000197323	TRIM33	tripartite motif containing 33	1	p13.2
ENSG00000134259	NGF	nerve growth factor (beta polypeptide)	1	p13.2
ENSG00000116815	CD58	CD58 molecule	1	p13.1
ENSG00000143061	IGSF3	immunoglobulin superfamily, member 3	1	p13.1
ENSG00000116824	CD2	CD2 molecule	1	p13.1
ENSG00000134247	PTGFRN	prostaglandin F2 receptor negative regulator	1	p13.1
ENSG00000134256	CD101	CD101 molecule	1	p13.1
ENSG00000134258	VTCN1	V-set domain containing T cell activation inhibitor 1	1	p12
ENSG00000134250	NOTCH2	notch 2	1	p12
ENSG00000198019	FCGR1B	Fc fragment of IgG, high affinity Ib, receptor (CD64)	1	p11.2
ENSG00000143127	ITGA10	integrin, alpha 10	1	q21.1
ENSG00000186141	POLR3C	polymerase (RNA) III (DNA directed) polypeptide C (62kD)	1	q21.1

ENSG00000117281	CD160	CD160 molecule	1	q21.1
ENSG00000131791	PRKAB2	protein kinase, AMP-activated, beta 2 non-catalytic subunit	1	q21.1
ENSG00000116128	BCL9	B-cell CLL/lymphoma 9	1	q21.2
ENSG00000143429	LOC645166	lymphocyte-specific protein 1 pseudogene (LOC654342), non-coding RNA	2	p11.2
ENSG00000150337	FCGR1A	Fc fragment of IgG, high affinity Ia, receptor (CD64)	1	q21.2
ENSG00000136631	VPS45	vacuolar protein sorting 45 homolog (S. cerevisiae)	1	q21.2
ENSG00000117362	APH1A	anterior pharynx defective 1 homolog A (C. elegans)	1	q21.2
ENSG00000143382	ADAMTSL4	ADAMTS-like 4	1	q21.2
ENSG00000143384	MCL1	myeloid cell leukemia sequence 1 (BCL2-related)	1	q21.2
ENSG00000163131	CTSS	cathepsin S	1	q21.3
ENSG00000143387	CTSK	cathepsin K	1	q21.3
ENSG00000143412	ANXA9	annexin A9	1	q21.3
ENSG00000163141	BNIPL	BCL2/adenovirus E1B 19kD interacting protein like	1	q21.3
ENSG00000197622	CDC42SE1	CDC42 small effector 1	1	q21.3
ENSG00000163154	TNFAIP8L2	tumor necrosis factor, alpha-induced protein 8-like 2	1	q21.3
ENSG00000159352	PSMD4	proteasome (prosome, macropain) 26S subunit, non-ATPase, 4	1	q21.3
ENSG00000143393	PI4KB	phosphatidylinositol 4-kinase, catalytic, beta	1	q21.3
ENSG00000143390	RFX5	regulatory factor X, 5 (influences HLA class II expression)	1	q21.3
ENSG00000159377	PSMB4	proteasome (prosome, macropain) subunit, beta type, 4	1	q21.3
ENSG00000143536	CRNN	cornulin	1	q21.3
ENSG00000163220	S100A9	S100 calcium binding protein A9	1	q21.3
ENSG00000143546	S100A8	S100 calcium binding protein A8	1	q21.3
ENSG00000143556	S100A7	S100 calcium binding protein A7	1	q21.3
ENSG00000189334	S100A14	S100 calcium binding protein A14	1	q21.3
ENSG00000189171	S100A13	S100 calcium binding protein A13	1	q21.3
ENSG00000143553	SNAPIN	SNAP-associated protein	1	q21.3
ENSG00000143621	ILF2	interleukin enhancer binding factor 2, 45kDa	1	q21.3
ENSG00000143545	RAB13	RAB13, member RAS oncogene family	1	q21.3
ENSG00000143575	HAX1	HCLS1 associated protein X-1	1	q21.3
ENSG00000160712	IL6R	interleukin 6 receptor	1	q21.3
ENSG00000160716	CHRNB2	cholinergic receptor, nicotinic, beta 2 (neuronal)	1	q21.3
ENSG00000160710	ADAR	adenosine deaminase, RNA-specific	1	q21.3

ENSG00000163346	PBXIP1	pre-B-cell leukemia homeobox interacting protein 1	1	q21.3
ENSG00000143537	ADAM15	ADAM metallopeptidase domain 15	1	q21.3
ENSG00000169241	SLC50A1	solute carrier family 50 (sugar transporter), member 1	1	q22
ENSG00000169231	THBS3	thrombospondin 3	1	q22
ENSG00000116521	SCAMP3	secretory carrier membrane protein 3	1	q22
ENSG00000132676	DAP3	death associated protein 3	1	q22
ENSG00000116584	ARHGEF2	Rho/Rac guanine nucleotide exchange factor (GEF) 2 sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain, (semaphorin) 4A	1	q22
ENSG00000196189	SEMA4A		1	q22
ENSG00000116604	MEF2D	myocyte enhancer factor 2D	1	q22
ENSG00000132702	HAPLN2	hyaluronan and proteoglycan link protein 2	1	q23.1
ENSG00000132692	BCAN	brevican	1	q23.1
ENSG00000143319	ISG20L2	interferon stimulated exonuclease gene 20kDa-like 2	1	q23.1
ENSG00000198400	NTRK1	neurotrophic tyrosine kinase, receptor, type 1	1	q23.1
ENSG00000187800	PEAR1	platelet endothelial aggregation receptor 1	1	q23.1
ENSG00000132694	ARHGEF11	Rho guanine nucleotide exchange factor (GEF) 11	1	q23.1
ENSG00000143297	FCRL5	Fc receptor-like 5	1	q23.1
ENSG00000163518	FCRL4	Fc receptor-like 4	1	q23.1
ENSG00000160856	FCRL3	Fc receptor-like 3	1	q23.1
ENSG00000132704	FCRL2	Fc receptor-like 2	1	q23.1
ENSG00000163534	FCRL1	Fc receptor-like 1	1	q23.1
ENSG00000073754	CD5L	CD5 molecule-like	1	q23.1
ENSG00000158473	CD1D	CD1d molecule	1	q23.1
ENSG00000158477	CD1A	CD1a molecule	1	q23.1
ENSG00000158481	CD1C	CD1c molecule	1	q23.1
ENSG00000158485	CD1B	CD1b molecule	1	q23.1
ENSG00000158488	CD1E	CD1e molecule	1	q23.1
ENSG00000163563	MNDA	myeloid cell nuclear differentiation antigen	1	q23.1
ENSG00000163565	IFI16	interferon, gamma-inducible protein 16	1	q23.1
ENSG00000162706	CADM3	cell adhesion molecule 3	1	q23.2
ENSG00000179639	FCER1A	Fc fragment of IgE, high affinity I, receptor for; alpha polypeptide	1	q23.2
ENSG00000132703	APCS	amyloid P component, serum	1	q23.2

ENSG00000132693	CRP	C-reactive protein, pentraxin-related	1	q23.2
ENSG00000181036	FCRL6	Fc receptor-like 6	1	q23.2
ENSG00000085552	IGSF9	immunoglobulin superfamily, member 9	1	q23.2
ENSG00000162729	IGSF8	immunoglobulin superfamily, member 8	1	q23.2
ENSG00000143318	CASQ1	calsequestrin 1 (fast-twitch, skeletal muscle)	1	q23.2
ENSG00000162734	PEA15	phosphoprotein enriched in astrocytes 15	1	q23.2
ENSG00000162736	NCSTN	nicastrin	1	q23.2
ENSG00000066294	CD84	CD84 molecule	1	q23.3
ENSG00000117090	SLAMF1	signaling lymphocytic activation molecule family member 1	1	q23.3
ENSG00000117091	CD48	CD48 molecule	1	q23.3
ENSG00000026751	SLAMF7	SLAM family member 7	1	q23.3
ENSG00000122224	LY9	lymphocyte antigen 9	1	q23.3
ENSG00000122223	CD244	CD244 molecule, natural killer cell receptor 2B4	1	q23.3
ENSG00000158769	F11R	F11 receptor	1	q23.3
ENSG00000143217	PVRL4	poliovirus receptor-related 4	1	q23.3
ENSG00000158796	DEDD	death effector domain containing	1	q23.3
ENSG00000158869	FCER1G	Fc fragment of IgE, high affinity I, receptor for; gamma polypeptide	1	q23.3
ENSG00000158874	APOA2	apolipoprotein A-II	1	q23.3
ENSG00000143226	FCGR2A	Fc fragment of IgG, low affinity IIa, receptor (CD32)	1	q23.3
ENSG00000203747	FCGR3A	Fc fragment of IgG, low affinity IIIa, receptor (CD16a)	1	q23.3
ENSG00000162747	FCGR3B	Fc fragment of IgG, low affinity IIIb, receptor (CD16b)	1	q23.3
ENSG00000072694	FCGR2B	Fc fragment of IgG, low affinity IIb, receptor (CD32)	1	q23.3
ENSG00000132185	FCRLA	Fc receptor-like A	1	q23.3
ENSG00000162746	FCRLB	Fc receptor-like B	1	q23.3
ENSG00000162733	DDR2	discoidin domain receptor tyrosine kinase 2	1	q23.3
ENSG00000185630	PBX1	pre-B-cell leukemia homeobox 1	1	q23.3
ENSG00000143195	ILDR2	immunoglobulin-like domain containing receptor 2	1	q24.1
ENSG00000143194	MAEL	maelstrom homolog (Drosophila)	1	q24.1
ENSG00000198821	CD247	CD247 molecule	1	q24.2
ENSG00000143199	ADCY10	adenylate cyclase 10 (soluble)	1	q24.2
ENSG00000143185	XCL2	chemokine (C motif) ligand 2	1	q24.2
ENSG00000143184	XCL1	chemokine (C motif) ligand 1	1	q24.2

ENSG00000143196	DPT	dermatopontin	1	q24.2
ENSG00000198734	F5	coagulation factor V (proaccelerin, labile factor)	1	q24.2
ENSG00000174175	SELP	selectin P (granule membrane protein 140kDa, antigen CD62)	1	q24.2
ENSG00000188404	SELL	selectin L	1	q24.2
ENSG00000007908	SELE	selectin E	1	q24.2
ENSG00000075945	KIFAP3	kinesin-associated protein 3	1	q24.2
ENSG00000203740	METTL11B	methyltransferase like 11B	1	q24.2
ENSG00000010932	FMO1	flavin containing monooxygenase 1	1	q24.3
ENSG00000117523	PRRC2C	proline-rich coiled-coil 2C	1	q24.3
ENSG00000010165	METTL13	methyltransferase like 13	1	q24.3
ENSG00000197959	DNM3	dynamamin 3	1	q24.3
ENSG00000117560	FASLG	Fas ligand (TNF superfamily, member 6)	1	q24.3
ENSG00000120337	TNFSF18	tumor necrosis factor (ligand) superfamily, member 18	1	q25.1
ENSG00000117586	TNFSF4	tumor necrosis factor (ligand) superfamily, member 4	1	q25.1
ENSG00000076321	KLHL20	kelch-like 20 (Drosophila)	1	q25.1
ENSG00000120332	TNN	tenascin N	1	q25.1
ENSG00000116147	TNR	tenascin R	1	q25.1
ENSG00000152092	ASTN1	astrotactin 1	1	q25.2
ENSG00000116194	ANGPTL1	angiopoietin-like 1	1	q25.2
ENSG00000143322	ABL2	v-abl Abelson murine leukemia viral oncogene homolog 2	1	q25.2
ENSG00000057252	SOAT1	sterol O-acyltransferase 1	1	q25.2
ENSG00000121454	LHX4	LIM homeobox 4	1	q25.2
ENSG00000153029	MR1	major histocompatibility complex, class I-related	1	q25.3
ENSG00000135862	LAMC1	laminin, gamma 1 (formerly LAMB2)	1	q25.3
ENSG00000058085	LAMC2	laminin, gamma 2	1	q25.3
ENSG00000116701	NCF2	neutrophil cytosolic factor 2	1	q25.3
ENSG00000198756	GLT25D2	glycosyltransferase 25 domain containing 2	1	q25.3
ENSG00000073756	PTGS2	prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase)	1	q31.1
ENSG00000116711	PLA2G4A	phospholipase A2, group IVA (cytosolic, calcium-dependent)	1	q31.1
ENSG00000116741	RGS2	regulator of G-protein signaling 2, 24kDa	1	q31.2
ENSG00000116750	UCHL5	ubiquitin carboxyl-terminal hydrolase L5	1	q31.2
ENSG00000023572	GLRX2	glutaredoxin 2	1	q31.2

ENSG00000000971	CFH	complement factor H	1	q31.3
ENSG00000116785	CFHR3	complement factor H-related 3	1	q31.3
ENSG00000080910	CFHR2	complement factor H-related 2	1	q31.3
ENSG00000134365	CFHR4	complement factor H-related 4	1	q31.3
ENSG00000134389	CFHR5	complement factor H-related 5	1	q31.3
ENSG00000081237	PTPRC	protein tyrosine phosphatase, receptor type, C	1	q31.3
ENSG00000163395	IGFN1	immunoglobulin-like and fibronectin type III domain containing 1	1	q32.1
ENSG00000081277	PKP1	plakophilin 1 (ectodermal dysplasia/skin fragility syndrome)	1	q32.1
ENSG00000174307	PHLDA3	pleckstrin homology-like domain, family A, member 3	1	q32.1
ENSG00000163485	ADORA1	adenosine A1 receptor	1	q32.1
ENSG00000133055	MYBPH	myosin binding protein H	1	q32.1
ENSG00000159388	BTG2	BTG family, member 2	1	q32.1
ENSG00000122176	FMOD	fibromodulin	1	q32.1
ENSG00000122188	LAX1	lymphocyte transmembrane adaptor 1	1	q32.1
ENSG00000198625	MDM4	Mdm4 p53 binding protein homolog (mouse)	1	q32.1
ENSG00000170382	LRRN2	leucine rich repeat neuronal 2	1	q32.1
ENSG00000163531	NFASC	neurofascin	1	q32.1
ENSG00000184144	CNTN2	contactin 2 (axonal)	1	q32.1
ENSG00000163545	NUAK2	NUAK family, SNF1-like kinase, 2	1	q32.1
ENSG00000198049	AVPR1B	arginine vasopressin receptor 1B	1	q32.1
ENSG00000196188	CTSE	cathepsin E	1	q32.1
ENSG00000136634	IL10	interleukin 10	1	q32.1
ENSG00000142224	IL19	interleukin 19	1	q32.1
ENSG00000162891	IL20	interleukin 20	1	q32.1
ENSG00000162892	IL24	interleukin 24	1	q32.1
ENSG00000162894	FAIM3	Fas apoptotic inhibitory molecule 3	1	q32.1
ENSG00000162896	PIGR	polymeric immunoglobulin receptor	1	q32.1
ENSG00000162897	FCAMR	Fc receptor, IgA, IgM, high affinity	1	q32.1
ENSG00000123843	C4BPB	complement component 4 binding protein, beta	1	q32.1
ENSG00000123838	C4BPA	complement component 4 binding protein, alpha	1	q32.2
ENSG00000196352	CD55	CD55 molecule, decay accelerating factor for complement (Cromer blood group)	1	q32.2
ENSG00000117322	CR2	complement component (3d/Epstein Barr virus) receptor 2	1	q32.2

ENSG00000203710	CR1	complement component (3b/4b) receptor 1 (Knops blood group)	1	q32.2
ENSG00000197721	CR1L	complement component (3b/4b) receptor 1-like	1	q32.2
ENSG00000117335	CD46	CD46 molecule, complement regulatory protein	1	q32.2
ENSG00000174059	CD34	CD34 molecule	1	q32.2
ENSG00000008118	CAMK1G	calcium/calmodulin-dependent protein kinase IG	1	q32.2
ENSG00000196878	LAMB3	laminin, beta 3	1	q32.2
ENSG00000117595	IRF6	interferon regulatory factor 6	1	q32.2
ENSG00000082512	TRAF5	TNF receptor-associated factor 5	1	q32.3
ENSG00000162769	FLVCR1	feline leukemia virus subgroup C cellular receptor 1	1	q32.3
ENSG00000117707	PROX1	prospero homeobox 1	1	q32.3
ENSG00000092969	TGFB2	transforming growth factor, beta 2	1	q41
ENSG00000116141	MARK1	MAP/microtubule affinity-regulating kinase 1	1	q41
ENSG00000154305	MIA3	melanoma inhibitory activity family, member 3	1	q41
ENSG00000187554	TLR5	toll-like receptor 5	1	q41
ENSG00000143514	TP53BP2	tumor protein p53 binding protein, 2	1	q41
ENSG00000143768	LEFTY2	left-right determination factor 2	1	q42.12
ENSG00000143772	ITPKB	inositol-trisphosphate 3-kinase B	1	q42.12
ENSG00000143801	PSEN2	presenilin 2 (Alzheimer disease 4)	1	q42.13
ENSG00000154342	WNT3A	wingless-type MMTV integration site family, member 3A	1	q42.13
ENSG00000154358	OBSCN	obscurin, cytoskeletal calmodulin and titin-interacting RhoGEF	1	q42.13
ENSG00000168118	RAB4A	RAB4A, member RAS oncogene family	1	q42.13
ENSG00000143641	GALNT2	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 2 (GalNAc-T2)	1	q42.13
ENSG00000135744	AGT	angiotensinogen (serpin peptidase inhibitor, clade A, member 8)	1	q42.2
ENSG00000116903	EXOC8	exocyst complex component 8	1	q42.2
ENSG00000059588	TARBP1	TAR (HIV-1) RNA binding protein 1	1	q42.2
ENSG00000168264	IRF2BP2	interferon regulatory factor 2 binding protein 2	1	q42.3
ENSG00000143669	LYST	lysosomal trafficking regulator	1	q42.3
ENSG00000116962	NID1	nidogen 1	1	q42.3
ENSG00000077522	ACTN2	actinin, alpha 2	1	q43
ENSG00000198626	RYR2	ryanodine receptor 2 (cardiac)	1	q43
ENSG00000180875	GREM2	gremlin 2	1	q43
ENSG00000174371	EXO1	exonuclease 1	1	q43

ENSG00000153207	AHCTF1	AT hook containing transcription factor 1	1	q44
ENSG00000162711	NLRP3	NLR family, pyrin domain containing 3	1	q44
ENSG00000176998	HCG4	HLA complex group 4 (non-protein coding)	6	p22.1
ENSG00000177839	PCDHB9	protocadherin beta 9	5	q31.3
ENSG00000183514	TDGF1P2	teratocarcinoma-derived growth factor 1 pseudogene 2	2	q36.3
ENSG00000203618	GP1BB	glycoprotein Ib (platelet), beta polypeptide	22	q11.21
ENSG00000211592	IGKC	immunoglobulin kappa constant	2	p11.2
ENSG00000211593	IGKJ5	immunoglobulin kappa joining 5	2	p11.2
ENSG00000211594	IGKJ4	immunoglobulin kappa joining 4	2	p11.2
ENSG00000211595	IGKJ3	immunoglobulin kappa joining 3	2	p11.2
ENSG00000211596	IGKJ2	immunoglobulin kappa joining 2	2	p11.2
ENSG00000211597	IGKJ1	immunoglobulin kappa joining 1	2	p11.2
ENSG00000211598	IGKV4-1	immunoglobulin kappa variable 4-1	2	p11.2
ENSG00000211599	IGKV5-2	immunoglobulin kappa variable 5-2	2	p11.2
ENSG00000211611	IGKV6-21	immunoglobulin kappa variable 6-21 (non-functional)	2	p11.2
ENSG00000211623	IGKV2D-26	immunoglobulin kappa variable 2D-26	2	p11.2
ENSG00000211625	IGKV3D-20	immunoglobulin kappa variable 3D-20	2	p11.2
ENSG00000211626	IGKV6D-41	immunoglobulin kappa variable 6D-41 (non-functional)	2	p11.2
ENSG00000211632	IGKV3D-11	immunoglobulin kappa variable 3D-11	2	p11.2
ENSG00000211633	IGKV1D-42	immunoglobulin kappa variable 1D-42 (non-functional)	2	p11.2
ENSG00000211637	IGLV4-69	immunoglobulin lambda variable 4-69	22	q11.22
ENSG00000211638	IGLV8-61	immunoglobulin lambda variable 8-61	22	q11.22
ENSG00000211639	IGLV4-60	immunoglobulin lambda variable 4-60	22	q11.22
ENSG00000211640	IGLV6-57	immunoglobulin lambda variable 6-57	22	q11.22
ENSG00000211641	IGLV11-55	immunoglobulin lambda variable 11-55 (non-functional)	22	q11.22
ENSG00000211642	IGLV10-54	immunoglobulin lambda variable 10-54	22	q11.22
ENSG00000211643	IGLV5-52	immunoglobulin lambda variable 5-52	22	q11.22
ENSG00000211644	IGLV1-51	immunoglobulin lambda variable 1-51	22	q11.22
ENSG00000211645	IGLV1-50	immunoglobulin lambda variable 1-50 (non-functional)	22	q11.22
ENSG00000211647	IGLV5-48	immunoglobulin lambda variable 5-48 (non-functional)	22	q11.22
ENSG00000211648	IGLV1-47	immunoglobulin lambda variable 1-47	22	q11.22
ENSG00000211649	IGLV7-46	immunoglobulin lambda variable 7-46 (gene/pseudogene)	22	q11.22

ENSG00000211650	IGLV5-45	immunoglobulin lambda variable 5-45	22	q11.22
ENSG00000211651	IGLV1-44	immunoglobulin lambda variable 1-44	22	q11.22
ENSG00000211652	IGLV7-43	immunoglobulin lambda variable 7-43	22	q11.22
ENSG00000211653	IGLV1-40	immunoglobulin lambda variable 1-40	22	q11.22
ENSG00000211654	IGLV5-37	immunoglobulin lambda variable 5-37	22	q11.22
ENSG00000211655	IGLV1-36	immunoglobulin lambda variable 1-36	22	q11.22
ENSG00000211656	IGLV2-33	immunoglobulin lambda variable 2-33 (non-functional)	22	q11.22
ENSG00000211657	IGLV3-32	immunoglobulin lambda variable 3-32 (non-functional)	22	q11.22
ENSG00000211658	IGLV3-27	immunoglobulin lambda variable 3-27	22	q11.22
ENSG00000211659	IGLV3-25	immunoglobulin lambda variable 3-25	22	q11.22
ENSG00000211660	IGLV2-23	immunoglobulin lambda variable 2-23	22	q11.22
ENSG00000211661	IGLV3-22	immunoglobulin lambda variable 3-22 (gene/pseudogene)	22	q11.22
ENSG00000211662	IGLV3-21	immunoglobulin lambda variable 3-21	22	q11.22
ENSG00000211663	IGLV3-19	immunoglobulin lambda variable 3-19	22	q11.22
ENSG00000211664	IGLV2-18	immunoglobulin lambda variable 2-18	22	q11.22
ENSG00000211665	IGLV3-16	immunoglobulin lambda variable 3-16	22	q11.22
ENSG00000211666	IGLV2-14	immunoglobulin lambda variable 2-14	22	q11.22
ENSG00000211667	IGLV3-12	immunoglobulin lambda variable 3-12	22	q11.22
ENSG00000211668	IGLV2-11	immunoglobulin lambda variable 2-11	22	q11.22
ENSG00000211669	IGLV3-10	immunoglobulin lambda variable 3-10	22	q11.22
ENSG00000211670	IGLV3-9	immunoglobulin lambda variable 3-9 (gene/pseudogene)	22	q11.22
ENSG00000211672	IGLV4-3	immunoglobulin lambda variable 4-3	22	q11.22
ENSG00000211673	IGLV3-1	immunoglobulin lambda variable 3-1	22	q11.22
ENSG00000211674	IGLJ1	immunoglobulin lambda joining 1	22	q11.22
ENSG00000211675	IGLC1	immunoglobulin lambda constant 1 (M _h marker)	22	q11.22
ENSG00000211676	IGLJ2	immunoglobulin lambda joining 2	22	q11.22
ENSG00000211677	IGLC2	immunoglobulin lambda constant 2 (Kern-Oz ⁻ marker)	22	q11.22
ENSG00000211678	IGLJ3	immunoglobulin lambda joining 3	22	q11.22
ENSG00000211679	IGLC3	immunoglobulin lambda constant 3 (Kern-Oz ⁺ marker)	22	q11.22
ENSG00000211680	IGLJ4	immunoglobulin lambda joining 4 (non-functional)	22	q11.22
ENSG00000211681	IGLJ5	immunoglobulin lambda joining 5 (non-functional)	22	q11.22
ENSG00000211682	IGLJ6	immunoglobulin lambda joining 6	22	q11.22

ENSG00000211684	IGLJ7	immunoglobulin lambda joining 7	22 q11.22
ENSG00000211685	IGLC7	immunoglobulin lambda constant 7	22 q11.22
ENSG00000211687	TRGJ2	T cell receptor gamma joining 2	7 p14.1
ENSG00000211688	TRGJP2	T cell receptor gamma joining P2	7 p14.1
ENSG00000211689	TRGC1	T cell receptor gamma constant 1	7 p14.1
ENSG00000211690	TRGJ1	T cell receptor gamma joining 1	7 p14.1
ENSG00000211691	TRGJP	T cell receptor gamma joining P	7 p14.1
ENSG00000211692	TRGJP1	T cell receptor gamma joining P1	7 p14.1
ENSG00000211693	TRGV11	T cell receptor gamma variable 11 (non-functional)	7 p14.1
ENSG00000211694	TRGV10	T cell receptor gamma variable 10 (non-functional)	7 p14.1
ENSG00000211695	TRGV9	T cell receptor gamma variable 9	7 p14.1
ENSG00000211696	TRGV8	T cell receptor gamma variable 8	7 p14.1
ENSG00000211697	TRGV5	T cell receptor gamma variable 5	7 p14.1
ENSG00000211698	TRGV4	T cell receptor gamma variable 4	7 p14.1
ENSG00000211699	TRGV3	T cell receptor gamma variable 3	7 p14.1
ENSG00000211701	TRGV1	T cell receptor gamma variable 1 (non-functional)	7 p14.1
ENSG00000211706	TRBV6-1	T cell receptor beta variable 6-1	7 q34
ENSG00000211707	TRBV7-1	T cell receptor beta variable 7-1 (non-functional)	7 q34
ENSG00000211710	TRBV4-1	T cell receptor beta variable 4-1	7 q34
ENSG00000211713	TRBV6-4	T cell receptor beta variable 6-4	7 q34
ENSG00000211714	TRBV7-3	T cell receptor beta variable 7-3	7 q34
ENSG00000211715	TRBV5-3	T cell receptor beta variable 5-3 (non-functional)	7 q34
ENSG00000211716	TRBV9	T cell receptor beta variable 9	7 q34
ENSG00000211717	TRBV10-1	T cell receptor beta variable 10-1(gene/pseudogene)	7 q34
ENSG00000211720	TRBV11-1	T cell receptor beta variable 11-1	7 q34
ENSG00000211721	TRBV6-5	T cell receptor beta variable 6-5	7 q34
ENSG00000211724	TRBV6-6	T cell receptor beta variable 6-6	7 q34
ENSG00000211725	TRBV5-5	T cell receptor beta variable 5-5	7 q34
ENSG00000211727	TRBV7-6	T cell receptor beta variable 7-6	7 q34
ENSG00000211728	TRBV5-6	T cell receptor beta variable 5-6	7 q34
ENSG00000211731	TRBV5-7	T cell receptor beta variable 5-7 (non-functional)	7 q34
ENSG00000211734	TRBV5-1	T cell receptor beta variable 5-1	7 q34

ENSG00000211739	TRBV12-2	T cell receptor beta variable 12-2 (pseudogene)	7	q34
ENSG00000211745	TRBV4-2	T cell receptor beta variable 4-2	7	q34
ENSG00000211746	TRBV19	T cell receptor beta variable 19	7	q34
ENSG00000211747	TRBV20-1	T cell receptor beta variable 20-1	7	q34
ENSG00000211749	TRBV23-1	T cell receptor beta variable 23-1 (non-functional)	7	q34
ENSG00000211750	TRBV24-1	T cell receptor beta variable 24-1	7	q34
ENSG00000211751	TRBV25-1	T cell receptor beta variable 25-1	7	q34
ENSG00000211752	TRBV27	T cell receptor beta variable 27	7	q34
ENSG00000211753	TRBV28	T cell receptor beta variable 28	7	q34
ENSG00000211764	TRBJ2-1	T cell receptor beta joining 2-1	7	q34
ENSG00000211765	TRBJ2-2	T cell receptor beta joining 2-2	7	q34
ENSG00000211766	TRBJ2-2P	T cell receptor beta joining 2-2P (non-functional)	7	q34
ENSG00000211767	TRBJ2-3	T cell receptor beta joining 2-3	7	q34
ENSG00000211768	TRBJ2-4	T cell receptor beta joining 2-4	7	q34
ENSG00000211769	TRBJ2-5	T cell receptor beta joining 2-5	7	q34
ENSG00000211770	TRBJ2-6	T cell receptor beta joining 2-6	7	q34
ENSG00000211771	TRBJ2-7	T cell receptor beta joining 2-7	7	q34
ENSG00000211772	TRBC2	T cell receptor beta constant 2	7	q34
ENSG00000211776	TRAV2	T cell receptor alpha variable 2	14	q11.2
ENSG00000211777	TRAV3	T cell receptor alpha variable 3 (gene/pseudogene)	14	q11.2
ENSG00000211778	TRAV4	T cell receptor alpha variable 4	14	q11.2
ENSG00000211779	TRAV5	T cell receptor alpha variable 5	14	q11.2
ENSG00000211780	TRAV6	T cell receptor alpha variable 6	14	q11.2
ENSG00000211781	TRAV7	T cell receptor alpha variable 7	14	q11.2
ENSG00000211782	TRAV8-1	T cell receptor alpha variable 8-1	14	q11.2
ENSG00000211783	TRAV9-1	T cell receptor alpha variable 9-1	14	q11.2
ENSG00000211784	TRAV10	T cell receptor alpha variable 10	14	q11.2
ENSG00000211785	TRAV12-1	T cell receptor alpha variable 12-1	14	q11.2
ENSG00000211786	TRAV8-2	T cell receptor alpha variable 8-2	14	q11.2
ENSG00000211787	TRAV8-3	T cell receptor alpha variable 8-3	14	q11.2
ENSG00000211788	TRAV13-1	T cell receptor alpha variable 13-1	14	q11.2
ENSG00000211789	TRAV12-2	T cell receptor alpha variable 12-2	14	q11.2

ENSG00000211790	TRAV8-4	T cell receptor alpha variable 8-4	14	q11.2
ENSG00000211791	TRAV13-2	T cell receptor alpha variable 13-2	14	q11.2
ENSG00000211792	TRAV14DV4	T cell receptor alpha variable 14/delta variable 4	14	q11.2
ENSG00000211793	TRAV9-2	T cell receptor alpha variable 9-2	14	q11.2
ENSG00000211794	TRAV12-3	T cell receptor alpha variable 12-3	14	q11.2
ENSG00000211795	TRAV8-6	T cell receptor alpha variable 8-6	14	q11.2
ENSG00000211796	TRAV16	T cell receptor alpha variable 16	14	q11.2
ENSG00000211797	TRAV17	T cell receptor alpha variable 17	14	q11.2
ENSG00000211798	TRAV18	T cell receptor alpha variable 18	14	q11.2
ENSG00000211799	TRAV19	T cell receptor alpha variable 19	14	q11.2
ENSG00000211800	TRAV20	T cell receptor alpha variable 20	14	q11.2
ENSG00000211801	TRAV21	T cell receptor alpha variable 21	14	q11.2
ENSG00000211802	TRAV22	T cell receptor alpha variable 22	14	q11.2
ENSG00000211803	TRAV23DV6	T cell receptor alpha variable 23/delta variable 6	14	q11.2
ENSG00000211804	TRDV1	T cell receptor delta variable 1	14	q11.2
ENSG00000211805	TRAV24	T cell receptor alpha variable 24	14	q11.2
ENSG00000211806	TRAV25	T cell receptor alpha variable 25	14	q11.2
ENSG00000211807	TRAV26-1	T cell receptor alpha variable 26-1	14	q11.2
ENSG00000211808	TRAV8-7	T cell receptor alpha variable 8-7 (non-functional)	14	q11.2
ENSG00000211809	TRAV27	T cell receptor alpha variable 27	14	q11.2
ENSG00000211810	TRAV29DV5	T cell receptor alpha variable 29/delta variable 5 (gene/pseudogene)	14	q11.2
ENSG00000211812	TRAV26-2	T cell receptor alpha variable 26-2	14	q11.2
ENSG00000211813	TRAV34	T cell receptor alpha variable 34	14	q11.2
ENSG00000211814	TRAV35	T cell receptor alpha variable 35	14	q11.2
ENSG00000211815	TRAV36DV7	T cell receptor alpha variable 36/delta variable 7	14	q11.2
ENSG00000211816	TRAV38-1	T cell receptor alpha variable 38-1	14	q11.2
ENSG00000211817	TRAV38-2DV8	T cell receptor alpha variable 38-2/delta variable 8	14	q11.2
ENSG00000211818	TRAV39	T cell receptor alpha variable 39	14	q11.2
ENSG00000211819	TRAV40	T cell receptor alpha variable 40	14	q11.2
ENSG00000211820	TRAV41	T cell receptor alpha variable 41	14	q11.2
ENSG00000211821	TRDV2	T cell receptor delta variable 2	14	q11.2
ENSG00000211825	TRDJ1	T cell receptor delta joining 1	14	q11.2

ENSG00000211826	TRDJ4	T cell receptor delta joining 4	14	q11.2
ENSG00000211827	TRDJ2	T cell receptor delta joining 2	14	q11.2
ENSG00000211828	TRDJ3	T cell receptor delta joining 3	14	q11.2
ENSG00000211829	TRDC	T cell receptor delta constant	14	q11.2
ENSG00000211831	TRAJ61	T cell receptor alpha joining 61 (non-functional)	14	q11.2
ENSG00000211832	TRAJ59	T cell receptor alpha joining 59 (non-functional)	14	q11.2
ENSG00000211833	TRAJ58	T cell receptor alpha joining 58 (non-functional)	14	q11.2
ENSG00000211834	TRAJ57	T cell receptor alpha joining 57	14	q11.2
ENSG00000211835	TRAJ56	T cell receptor alpha joining 56	14	q11.2
ENSG00000211836	TRAJ54	T cell receptor alpha joining 54	14	q11.2
ENSG00000211837	TRAJ53	T cell receptor alpha joining 53	14	q11.2
ENSG00000211838	TRAJ52	T cell receptor alpha joining 52	14	q11.2
ENSG00000211839	TRAJ50	T cell receptor alpha joining 50	14	q11.2
ENSG00000211840	TRAJ49	T cell receptor alpha joining 49	14	q11.2
ENSG00000211841	TRAJ48	T cell receptor alpha joining 48	14	q11.2
ENSG00000211842	TRAJ47	T cell receptor alpha joining 47	14	q11.2
ENSG00000211843	TRAJ46	T cell receptor alpha joining 46	14	q11.2
ENSG00000211844	TRAJ45	T cell receptor alpha joining 45	14	q11.2
ENSG00000211845	TRAJ44	T cell receptor alpha joining 44	14	q11.2
ENSG00000211846	TRAJ43	T cell receptor alpha joining 43	14	q11.2
ENSG00000211847	TRAJ42	T cell receptor alpha joining 42	14	q11.2
ENSG00000211848	TRAJ41	T cell receptor alpha joining 41	14	q11.2
ENSG00000211849	TRAJ40	T cell receptor alpha joining 40	14	q11.2
ENSG00000211850	TRAJ39	T cell receptor alpha joining 39	14	q11.2
ENSG00000211851	TRAJ38	T cell receptor alpha joining 38	14	q11.2
ENSG00000211854	TRAJ35	T cell receptor alpha joining 35 (non-functional)	14	q11.2
ENSG00000211855	TRAJ34	T cell receptor alpha joining 34	14	q11.2
ENSG00000211856	TRAJ33	T cell receptor alpha joining 33	14	q11.2
ENSG00000211857	TRAJ32	T cell receptor alpha joining 32	14	q11.2
ENSG00000211858	TRAJ31	T cell receptor alpha joining 31	14	q11.2
ENSG00000211859	TRAJ30	T cell receptor alpha joining 30	14	q11.2
ENSG00000211860	TRAJ29	T cell receptor alpha joining 29	14	q11.2

ENSG00000211861	TRAJ28	T cell receptor alpha joining 28	14	q11.2
ENSG00000211862	TRAJ27	T cell receptor alpha joining 27	14	q11.2
ENSG00000211863	TRAJ26	T cell receptor alpha joining 26	14	q11.2
ENSG00000211864	TRAJ25	T cell receptor alpha joining 25 (non-functional)	14	q11.2
ENSG00000211865	TRAJ24	T cell receptor alpha joining 24	14	q11.2
ENSG00000211866	TRAJ23	T cell receptor alpha joining 23	14	q11.2
ENSG00000211867	TRAJ22	T cell receptor alpha joining 22	14	q11.2
ENSG00000211868	TRAJ21	T cell receptor alpha joining 21	14	q11.2
ENSG00000211869	TRAJ20	T cell receptor alpha joining 20	14	q11.2
ENSG00000211870	TRAJ19	T cell receptor alpha joining 19 (non-functional)	14	q11.2
ENSG00000211871	TRAJ18	T cell receptor alpha joining 18	14	q11.2
ENSG00000211872	TRAJ17	T cell receptor alpha joining 17	14	q11.2
ENSG00000211873	TRAJ16	T cell receptor alpha joining 16	14	q11.2
ENSG00000211875	TRAJ14	T cell receptor alpha joining 14	14	q11.2
ENSG00000211876	TRAJ13	T cell receptor alpha joining 13	14	q11.2
ENSG00000211877	TRAJ12	T cell receptor alpha joining 12	14	q11.2
ENSG00000211878	TRAJ11	T cell receptor alpha joining 11	14	q11.2
ENSG00000211879	TRAJ10	T cell receptor alpha joining 10	14	q11.2
ENSG00000211880	TRAJ9	T cell receptor alpha joining 9	14	q11.2
ENSG00000211881	TRAJ8	T cell receptor alpha joining 8	14	q11.2
ENSG00000211882	TRAJ7	T cell receptor alpha joining 7	14	q11.2
ENSG00000211883	TRAJ6	T cell receptor alpha joining 6	14	q11.2
ENSG00000211884	TRAJ5	T cell receptor alpha joining 5	14	q11.2
ENSG00000211885	TRAJ4	T cell receptor alpha joining 4	14	q11.2
ENSG00000211886	TRAJ3	T cell receptor alpha joining 3	14	q11.2
ENSG00000211887	TRAJ2	T cell receptor alpha joining 2 (non-functional)	14	q11.2
ENSG00000211888	TRAJ1	T cell receptor alpha joining 1 (non-functional)	14	q11.2
ENSG00000211890	IGHA2	immunoglobulin heavy constant alpha 2 (A2m marker)	14	q32.33
ENSG00000211891	IGHE	immunoglobulin heavy constant epsilon	14	q32.33
ENSG00000211892	IGHG4	immunoglobulin heavy constant gamma 4 (G4m marker)	14	q32.33
ENSG00000211893	IGHG2	immunoglobulin heavy constant gamma 2 (G2m marker)	14	q32.33
ENSG00000211895	IGHA1	immunoglobulin heavy constant alpha 1	14	q32.33

ENSG00000211896	IGHG1	immunoglobulin heavy constant gamma 1 (G1m marker)	14	q32.33
ENSG00000211897	IGHG3	immunoglobulin heavy constant gamma 3 (G3m marker)	14	q32.33
ENSG00000211898	IGHD	immunoglobulin heavy constant delta	14	q32.33
ENSG00000211899	IGHM	immunoglobulin heavy constant mu	14	q32.33
ENSG00000211900	IGHJ6	immunoglobulin heavy joining 6	14	q32.33
ENSG00000211904	IGHJ2	immunoglobulin heavy joining 2	14	q32.33
ENSG00000211905	IGHJ1	immunoglobulin heavy joining 1	14	q32.33
ENSG00000211907	IGHD1-26	immunoglobulin heavy diversity 1-26	14	q32.33
ENSG00000211909	IGHD5-24	immunoglobulin heavy diversity 5-24 (non-functional)	14	q32.33
ENSG00000211911	IGHD3-22	immunoglobulin heavy diversity 3-22	14	q32.33
ENSG00000211912	IGHD2-21	immunoglobulin heavy diversity 2-21	14	q32.33
ENSG00000211914	IGHD6-19	immunoglobulin heavy diversity 6-19	14	q32.33
ENSG00000211915	IGHD5-18	immunoglobulin heavy diversity 5-18	14	q32.33
ENSG00000211917	IGHD3-16	immunoglobulin heavy diversity 3-16	14	q32.33
ENSG00000211918	IGHD2-15	immunoglobulin heavy diversity 2-15	14	q32.33
ENSG00000211920	IGHD6-13	immunoglobulin heavy diversity 6-13	14	q32.33
ENSG00000211921	IGHD5-12	immunoglobulin heavy diversity 5-12	14	q32.33
ENSG00000211923	IGHD3-10	immunoglobulin heavy diversity 3-10	14	q32.33
ENSG00000211924	IGHD3-9	immunoglobulin heavy diversity 3-9	14	q32.33
ENSG00000211925	IGHD2-8	immunoglobulin heavy diversity 2-8	14	q32.33
ENSG00000211928	IGHD5-5	immunoglobulin heavy diversity 5-5	14	q32.33
ENSG00000211930	IGHD3-3	immunoglobulin heavy diversity 3-3	14	q32.33
ENSG00000211931	IGHD2-2	immunoglobulin heavy diversity 2-2	14	q32.33
ENSG00000211933	IGHV6-1	immunoglobulin heavy variable 6-1	14	q32.33
ENSG00000211934	IGHV1-2	immunoglobulin heavy variable 1-2	14	q32.33
ENSG00000211935	IGHV1-3	immunoglobulin heavy variable 1-3	14	q32.33
ENSG00000211937	IGHV2-5	immunoglobulin heavy variable 2-5	14	q32.33
ENSG00000211938	IGHV3-7	immunoglobulin heavy variable 3-7	14	q32.33
ENSG00000211941	IGHV3-11	immunoglobulin heavy variable 3-11 (gene/pseudogene)	14	q32.33
ENSG00000211942	IGHV3-13	immunoglobulin heavy variable 3-13	14	q32.33
ENSG00000211943	IGHV3-15	immunoglobulin heavy variable 3-15	14	q32.33
ENSG00000211944	IGHV3-16	immunoglobulin heavy variable 3-16 (non-functional)	14	q32.33

ENSG00000211945	IGHV1-18	immunoglobulin heavy variable 1-18	14	q32.33
ENSG00000211946	IGHV3-20	immunoglobulin heavy variable 3-20	14	q32.33
ENSG00000211947	IGHV3-21	immunoglobulin heavy variable 3-21	14	q32.33
ENSG00000211949	IGHV3-23	immunoglobulin heavy variable 3-23	14	q32.33
ENSG00000211950	IGHV1-24	immunoglobulin heavy variable 1-24	14	q32.33
ENSG00000211951	IGHV2-26	immunoglobulin heavy variable 2-26	14	q32.33
ENSG00000211952	IGHV4-28	immunoglobulin heavy variable 4-28	14	q32.33
ENSG00000211955	IGHV3-33	immunoglobulin heavy variable 3-33	14	q32.33
ENSG00000211956	IGHV4-34	immunoglobulin heavy variable 4-34	14	q32.33
ENSG00000211957	IGHV3-35	immunoglobulin heavy variable 3-35 (non-functional)	14	q32.33
ENSG00000211958	IGHV3-38	immunoglobulin heavy variable 3-38 (non-functional)	14	q32.33
ENSG00000211959	IGHV4-39	immunoglobulin heavy variable 4-39	14	q32.33
ENSG00000211961	IGHV1-45	immunoglobulin heavy variable 1-45	14	q32.33
ENSG00000211962	IGHV1-46	immunoglobulin heavy variable 1-46	14	q32.33
ENSG00000211964	IGHV3-48	immunoglobulin heavy variable 3-48	14	q32.33
ENSG00000211965	IGHV3-49	immunoglobulin heavy variable 3-49	14	q32.33
ENSG00000211966	IGHV5-51	immunoglobulin heavy variable 5-51	14	q32.33
ENSG00000211967	IGHV3-53	immunoglobulin heavy variable 3-53	14	q32.33
ENSG00000211968	IGHV1-58	immunoglobulin heavy variable 1-58	14	q32.33
ENSG00000211970	IGHV4-61	immunoglobulin heavy variable 4-61	14	q32.33
ENSG00000211972	IGHV3-66	immunoglobulin heavy variable 3-66	14	q32.33
ENSG00000211973	IGHV1-69	immunoglobulin heavy variable 1-69	14	q32.33
ENSG00000211974	IGHV2-70	immunoglobulin heavy variable 2-70	14	q32.33
ENSG00000211976	IGHV3-73	immunoglobulin heavy variable 3-73	14	q32.33
ENSG00000211978	IGHV5-78	immunoglobulin heavy variable 5-78 (pseudogene)	14	q32.33
ENSG00000211979	IGHV7-81	immunoglobulin heavy variable 7-81 (non-functional)	14	q32.33
ENSG00000166278	C2	complement component 2	6	p21.33
ENSG00000206344	HCG27	HLA complex group 27 (non-protein coding)	6	p21.33
ENSG00000204463	BAG6	BCL2-associated athanogene 6	6	p21.33
ENSG00000204592	HLA-E	major histocompatibility complex, class I, E	6	p22.1
ENSG00000085231	TAF9	TAF9 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 32kDa	5	q13.2
ENSG00000244731	C4A	complement component 4A (Rodgers blood group)	6	p21.33

ENSG00000206337	HCP5	HLA complex P5 (non-protein coding)	6	p21.33
ENSG00000206341	HLA-H	major histocompatibility complex, class I, H (pseudogene)	6	p22.1
ENSG00000215788	TNFRSF25	tumor necrosis factor receptor superfamily, member 25	1	p36.31
ENSG00000215765	KIR3DP1	killer cell immunoglobulin-like receptor, three domains, pseudogene 1	19	q13.42
ENSG00000215644	GCGR	glucagon receptor	17	q25.3
ENSG00000215568	GAB4	GRB2-associated binding protein family, member 4	22	q11.1
ENSG00000215547	DEFB115	defensin, beta 115	20	q11.21
ENSG00000215545	DEFB116	defensin, beta 116	20	q11.21
ENSG00000215515	IFIT1P1	interferon-induced protein with tetratricopeptide repeats 1 pseudogene 1	13	q13.1
ENSG00000215483	LINC00598	long intergenic non-protein coding RNA 598	13	q14.11
ENSG00000215474	SKOR2	SKI family transcriptional corepressor 2	18	q21.1
ENSG00000215414	PSMA6P1	proteasome (prosome, macropain) subunit, alpha type, 6 pseudogene 1	Y	q11.221
ENSG00000215378	DEFT1P	defensin, theta 1 pseudogene	8	p23.1
ENSG00000215371	DEFB108P2	defensin, beta 108, pseudogene 2	8	p23.1
ENSG00000215353	C1QBPP	complement component 1, q subcomponent binding protein, pseudogene	21	q21.1
ENSG00000215251	FASTKD5	FAST kinase domains 5	20	p13
ENSG00000215206	TRBV24OR9-2	T cell receptor beta variable 24/OR9-2 (pseudogene)	9	p13.3
ENSG00000215182	MUC5AC	mucin 5AC, oligomeric mucus/gel-forming	11	p15.5
ENSG00000215177	IGLV8OR8-1	immunoglobulin lambda variable 8/OR8-1 (pseudogene)	8	q11.21
ENSG00000215096	IFITM8P	interferon induced transmembrane protein 8 pseudogene	8	q12.3
ENSG00000223865	HLA-DPB1	major histocompatibility complex, class II, DP beta 1	6	p21.32
ENSG00000215018	COL28A1	collagen, type XXVIII, alpha 1	7	p21.3
ENSG00000214897	MOAP1	modulator of apoptosis 1	X	q28
ENSG00000214827	MTCP1	mature T-cell proliferation 1	X	q28
ENSG00000214756	METTL12	methyltransferase like 12	11	q12.3
ENSG00000214706	IFRD2	interferon-related developmental regulator 2	3	p21.31
ENSG00000214643	DEFB133	defensin, beta 133	6	p12.3
ENSG00000214642	DEFB113	defensin, beta 113	6	p12.3
ENSG00000214253	FIS1	fission 1 (mitochondrial outer membrane) homolog (<i>S. cerevisiae</i>)	7	q22.1
ENSG00000214042	IFNA7	interferon, alpha 7	9	p21.3
ENSG00000213977	TAX1BP3	Tax1 (human T-cell leukemia virus type I) binding protein 3	17	p13.2
ENSG00000213949	ITGA1	integrin, alpha 1	5	q11.2

ENSG00000213937	CLDN9	claudin 9	16 p13.3
ENSG00000213928	IRF9	interferon regulatory factor 9	14 q12
ENSG00000213927	CCL27	chemokine (C-C motif) ligand 27	9 p13.3
ENSG00000213918	DNASE1	deoxyribonuclease I	16 p13.3
ENSG00000213906	LTB4R2	leukotriene B4 receptor 2	14 q12
ENSG00000213892	CEACAM16	carcinoembryonic antigen-related cell adhesion molecule 16	19 q13.31
ENSG00000213886	UBD	ubiquitin D	6 p22.1
ENSG00000213822	CEACAM18	carcinoembryonic antigen-related cell adhesion molecule 18	19 q13.41
ENSG00000213809	KLRK1	killer cell lectin-like receptor subfamily K, member 1	12 p13.2
ENSG00000213722	DDAH2	dimethylarginine dimethylaminohydrolase 2	6 p21.33
ENSG00000213694	S1PR3	sphingosine-1-phosphate receptor 3	9 q22.1
ENSG00000213658	LAT	linker for activation of T cells	16 p11.2
ENSG00000213638	ADAT3	adenosine deaminase, tRNA-specific 3	19 p13.3
ENSG00000213619	NDUFS3	NADH dehydrogenase (ubiquinone) Fe-S protein 3, 30kDa (NADH-coenzyme Q reductase)	11 p11.2
ENSG00000213585	VDAC1	voltage-dependent anion channel 1	5 q31.1
ENSG00000213578	CPLX3	complexin 3	15 q24.1
ENSG00000213523	SRA1	steroid receptor RNA activator 1	5 q31.3
ENSG00000213445	SIPA1	signal-induced proliferation-associated 1	11 q13.1
ENSG00000213413	PVRIG	poliovirus receptor related immunoglobulin domain containing	7 q22.1
ENSG00000213341	CHUK	conserved helix-loop-helix ubiquitous kinase	10 q24.31
ENSG00000213316	LTC4S	leukotriene C4 synthase	5 q35.3
ENSG00000213275	IFITM9P	interferon induced transmembrane protein 9 pseudogene	11 q13.3
ENSG00000213231	TCL1B	T-cell leukemia/lymphoma 1B	14 q32.13
ENSG00000213190	MLLT11	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 11	1 q21.3
ENSG00000213088	DARC	Duffy blood group, chemokine receptor	1 q23.2
ENSG00000213024	NUP62	nucleoporin 62kDa	19 q13.33
ENSG00000213016	KIR3DL2	killer cell immunoglobulin-like receptor, three domains, long cytoplasmic tail, 2	19 q13.42
ENSG00000212717	DEFB117	defensin, beta 117	20 q11.21
ENSG00000212710	CTAGE1	cutaneous T-cell lymphoma-associated antigen 1	18 q11.2
ENSG00000217159	LARP1P1	La ribonucleoprotein domain family, member 1 pseudogene 1	6 p22.2
ENSG00000216777	PRRC2CP1	proline-rich coiled-coil 2C pseudogene 1	Y p11.2
ENSG00000221801	MIR548H2	microRNA 548h-2	16 p13.13

ENSG00000222028	PSMB11	proteasome (prosome, macropain) subunit, beta type, 11	14 q11.2
ENSG00000222037	IGLC6	immunoglobulin lambda constant 6 (Kern+Oz- marker, gene/pseudogene)	22 q11.22
ENSG00000221818	EBF2	early B-cell factor 2	8 p21.2
ENSG00000221829	FANCG	Fanconi anemia, complementation group G	9 p13.3
ENSG00000221887	HMSD	histocompatibility (minor) serpin domain containing	18 q22.1
ENSG00000221926	TRIM16	tripartite motif containing 16	17 p12
ENSG00000221947	XKR9	XK, Kell blood group complex subunit-related family, member 9	8 q13.3
ENSG00000221995	TIAF1	TGFB1-induced anti-apoptotic factor 1	17 q11.2
ENSG00000219438	FAM19A5	family with sequence similarity 19 (chemokine (C-C motif)-like), member A5	22 q13.32
ENSG00000216490	IFI30	interferon, gamma-inducible protein 30	19 p13.11
ENSG00000217555	CKLF	chemokine-like factor	16 q21
ENSG00000221957	KIR2DS4	killer cell immunoglobulin-like receptor, two domains, short cytoplasmic tail, 4	19 q13.42
ENSG00000222043	NFE2L2	nuclear factor (erythroid-derived 2)-like 2	2 q31.2
ENSG00000223629	DEFA8P	defensin, alpha 8 pseudogene	8 p23.1
ENSG00000233238	DEFA9P	defensin, alpha 9 pseudogene	8 p23.1
ENSG00000233531	DEFA10P	defensin, alpha 10 pseudogene	8 p23.1
ENSG00000232039	DEFT1P2	defensin, theta 1 pseudogene 2	8 p23.1
ENSG00000234178	DEFA11P	defensin, alpha 11 pseudogene	8 p23.1
ENSG00000230549	USP17L1P	ubiquitin specific peptidase 17-like family member 1, pseudogene	8 p23.1
ENSG00000229907	DEFB108P1	defensin, beta 108, pseudogene 1	8 p23.1
ENSG00000225327	USP17L3	ubiquitin specific peptidase 17-like family member 3	8 p23.1
ENSG00000235947	EGOT	eosinophil granule ontogeny transcript (non-protein coding)	3 p26.1
ENSG00000226942	IL9RP3	interleukin 9 receptor pseudogene 3	16 p13.3
ENSG00000233050	DEFB130	beta-defensin 130-like precursor	8 p23.1
ENSG00000223773	CD99P1	CD99 molecule pseudogene 1	X p22.33
ENSG00000223443	USP17L2	ubiquitin specific peptidase 17-like family member 2	8 p23.1
ENSG00000232948	DEFB130	defensin, beta 130	8 p23.1
ENSG00000237517	DGCR5	DiGeorge syndrome critical region gene 5 (non-protein coding)	22 q11.21
ENSG00000232420	IL9RP2	interleukin 9 receptor pseudogene 2	10 p15.3
ENSG00000238067	XKRYP1	XK, Kell blood group complex subunit-related, Y-linked pseudogene 1	Y q11.222
ENSG00000230904	XKRYP2	XK, Kell blood group complex subunit-related, Y-linked pseudogene 2	Y q11.222
ENSG00000227140	USP17L5	ubiquitin specific peptidase 17-like family member 5	4 p16.1

ENSG00000204632	HLA-G	major histocompatibility complex, class I, G	6 p22.1
ENSG00000206503	HLA-A	major histocompatibility complex, class I, A	6 p22.1
ENSG00000236620	XKRYP3	XK, Kell blood group complex subunit-related, Y-linked pseudogene 3	Y q11.223
ENSG00000231026	XKRYP4	XK, Kell blood group complex subunit-related, Y-linked pseudogene 4	Y q11.23
ENSG00000223406	XKRYP5	XK, Kell blood group complex subunit-related, Y-linked pseudogene 5	Y q11.23
ENSG00000237546	XKRYP6	XK, Kell blood group complex subunit-related, Y-linked pseudogene 6	Y q11.23
ENSG00000223741	PSMD4P1	proteasome (prosome, macropain) 26S subunit, non-ATPase, 4 pseudogene 1	21 q22.13
ENSG00000230208	IFNNP1	interferon, nu 1, pseudogene	9 p21.3
ENSG00000232281	IFNWP15	interferon, omega 1 pseudogene 15	9 p21.3
ENSG00000236637	IFNA4	interferon, alpha 4	9 p21.3
ENSG00000226597	IFNWP9	interferon, omega 1 pseudogene 9	9 p21.3
ENSG00000223684	IFNWP18	interferon, omega 1 pseudogene 18	9 p21.3
ENSG00000234829	IFNA17	interferon, alpha 17	9 p21.3
ENSG00000232138	IFNWP5	interferon, omega 1 pseudogene 5	9 p21.3
ENSG00000228083	IFNA14	interferon, alpha 14	9 p21.3
ENSG00000224416	IFNA22P	interferon, alpha 22, pseudogene	9 p21.3
ENSG00000233816	IFNA13	interferon, alpha 13	9 p21.3
ENSG00000237691	IFNWP2	interferon, omega 1 pseudogene 2	9 p21.3
ENSG00000238271	IFNWP19	interferon, omega 1 pseudogene 19	9 p21.3
ENSG00000234745	HLA-B	major histocompatibility complex, class I, B	6 p21.33
ENSG00000224465	SOCS2P2	suppressor of cytokine signaling 2 pseudogene 2	22 q11.22
ENSG00000223350	IGLV9-49	immunoglobulin lambda variable 9-49	22 q11.22
ENSG00000226420	IGLV3-4	immunoglobulin lambda variable 3-4 (pseudogene)	22 q11.22
ENSG00000228223	HCG11	HLA complex group 11 (non-protein coding)	6 p22.2
ENSG00000204469	PRRC2A	proline-rich coiled-coil 2A	6 p21.33
ENSG00000232810	TNF	tumor necrosis factor	6 p21.33
ENSG00000234122	TRBV22OR9-2	T cell receptor beta variable 22/OR9-2 (pseudogene)	9 p13.3
ENSG00000229063	TRBV23OR9-2	T cell receptor beta variable 23/OR9-2 (non-functional)	9 p13.3
ENSG00000231165	TRBV26OR9-2	T cell receptor beta variable 26/OR9-2 (pseudogene)	9 p13.3
ENSG00000224157	HCG14	HLA complex group 14 (non-protein coding)	6 p22.1
ENSG00000223394	TRBV29OR9-2	T cell receptor beta variable 29/OR9-2 (non-functional)	9 p13.3
ENSG00000227214	HCG15	HLA complex group 15 (non-protein coding)	6 p22.1

ENSG00000234187	AIMP1P1	aminoacyl tRNA synthetase complex-interacting multifunctional protein 1 pseudogene 1	20	p12.1
ENSG00000230243	FKBP1AP3	FK506 binding protein 1A, 12kDa pseudogene 3	13	q14.13
ENSG00000225864	HCG4P11	HLA complex group 4 pseudogene 11	6	p22.1
ENSG00000227758	HCG9P5	HLA complex group 9 pseudogene 5	6	p22.1
ENSG00000235821	IFITM4P	interferon induced transmembrane protein 4 pseudogene	6	p22.1
ENSG00000237042	MICG	MHC class I polypeptide-related sequence G (pseudogene)	6	p22.1
ENSG00000229142	HCG4P8	HLA complex group 4 pseudogene 8	6	p22.1
ENSG00000233265	MICF	MHC class I polypeptide-related sequence F (pseudogene)	6	p22.1
ENSG00000230521	HCG4P7	HLA complex group 4 pseudogene 7	6	p22.1
ENSG00000231130	HLA-T	major histocompatibility complex, class I, T (pseudogene)	6	p22.1
ENSG00000227262	HCG4P6	HLA complex group 4 pseudogene 6	6	p22.1
ENSG00000230795	HLA-K	major histocompatibility complex, class I, K (pseudogene)	6	p22.1
ENSG00000228078	HLA-U	major histocompatibility complex, class I, U (pseudogene)	6	p22.1
ENSG00000225131	PSME2P2	proteasome activator subunit 2 pseudogene 2	13	q14.2
ENSG00000227766	HCG4P5	HLA complex group 4 pseudogene 5	6	p22.1
ENSG00000235290	HLA-W	major histocompatibility complex, class I, W (pseudogene)	6	p22.1
ENSG00000229390	MICD	MHC class I polypeptide-related sequence D (pseudogene)	6	p22.1
ENSG00000238024	DDX39BP2	DEAD (Asp-Glu-Ala-Asp) box polypeptide 39B pseudogene 2	6	p22.1
ENSG00000237669	HCG4P3	HLA complex group 4 pseudogene 3	6	p22.1
ENSG00000231074	HCG18	HLA complex group 18 (non-protein coding)	6	p22.1
ENSG00000231607	DLEU2	deleted in lymphocytic leukemia 2 (non-protein coding)	13	q14.2
ENSG00000224372	HLA-N	major histocompatibility complex, class I, N (pseudogene)	6	p22.1
ENSG00000224486	HCG19P	HLA complex group 19 pseudogene	6	p22.1
ENSG00000226577	MICC	MHC class I polypeptide-related sequence C (pseudogene)	6	p22.1
ENSG00000224389	C4B	complement component 4B (Chido blood group)	6	p21.33
ENSG00000233429	HOTAIRM1	HOXA transcript antisense RNA, myeloid-specific 1	7	p15.2
ENSG00000228022	HCG20	HLA complex group 20 (non-protein coding)	6	p21.33
ENSG00000227018	IL6STP1	interleukin 6 signal transducer (gp130, oncostatin M receptor) pseudogene 1	17	p12
ENSG00000238151	MLLT10P1	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 10 pseudogene 1	20	q11.21
ENSG00000233529	HCG21	HLA complex group 21 (non-protein coding)	6	p21.33
ENSG00000228789	HCG22	HLA complex group 22 (non-protein coding)	6	p21.33

ENSG00000232041	PSMD10P3	proteasome 26S subunit, non-ATPase, 10 pseudogene 3	13	q22.1
ENSG00000229749	COTL1P1	coactosin-like 1 (Dictyostelium) pseudogene 1	17	p11.2
ENSG00000225851	HLA-S	major histocompatibility complex, class I, S (pseudogene)	6	p21.33
ENSG00000226979	LTA	lymphotoxin alpha (TNF superfamily, member 1)	6	p21.33
ENSG00000227507	LTB	lymphotoxin beta (TNF superfamily, member 3)	6	p21.33
ENSG00000237662	SOCS2P1	suppressor of cytokine signaling 2 pseudogene 1	20	q11.21
ENSG00000227191	TRGC2	T cell receptor gamma constant 2	7	p14.1
ENSG00000231202	TRGVB	T cell receptor gamma variable B (pseudogene)	7	p14.1
ENSG00000225992	TRGVA	T cell receptor gamma variable A (pseudogene)	7	p14.1
ENSG00000226212	TRGV6	T cell receptor gamma variable 6 (pseudogene)	7	p14.1
ENSG00000228668	TRGV5P	T cell receptor gamma variable 5P (pseudogene)	7	p14.1
ENSG00000233306	TRGV2	T cell receptor gamma variable 2	7	p14.1
ENSG00000235323	COTL1P2	coactosin-like 1 (Dictyostelium) pseudogene 2	17	p11.2
ENSG00000226742	HSBP1L1	heat shock factor binding protein 1-like 1	18	q23
ENSG00000228962	HCG23	HLA complex group 23 (non-protein coding)	6	p21.32
ENSG00000229391	HLA-DRB6	major histocompatibility complex, class II, DR beta 6 (pseudogene)	6	p21.32
ENSG00000226030	HLA-DQB3	major histocompatibility complex, class II, DQ beta 3	6	p21.32
ENSG00000237541	HLA-DQA2	major histocompatibility complex, class II, DQ alpha 2	6	p21.32
ENSG00000232629	HLA-DQB2	major histocompatibility complex, class II, DQ beta 2	6	p21.32
ENSG00000235301	HLA-Z	major histocompatibility complex, class I, Z (pseudogene)	6	p21.32
ENSG00000231461	HLA-DPA2	major histocompatibility complex, class II, DP alpha 2 (pseudogene)	6	p21.32
ENSG00000224557	HLA-DPB2	major histocompatibility complex, class II, DP beta 2 (pseudogene)	6	p21.32
ENSG00000237398	HLA-DPA3	major histocompatibility complex, class II, DP alpha 3 (pseudogene)	6	p21.32
ENSG00000230313	HCG24	HLA complex group 24 (non-protein coding)	6	p21.32
ENSG00000232254	CSF2RBP1	colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage) pseudogene 1	22	q12.3
ENSG00000225830	ERCC6	excision repair cross-complementing rodent repair deficiency, complementation group 6	10	q11.23
ENSG00000232940	HCG25	HLA complex group 25 (non-protein coding)	6	p21.32
ENSG00000231925	TAPBP	TAP binding protein (tapasin)	6	p21.32
ENSG00000236320	SLFN14	schlafen family member 14	17	q12
ENSG00000230011	CTSL1P4	cathepsin L1 pseudogene 4	10	q11.23
ENSG00000231043	IK	IK cytokine, down-regulator of HLA II	2	p16.1
ENSG00000233276	GPX1	glutathione peroxidase 1	3	p21.31

ENSG00000225690	TREML5P	triggering receptor expressed on myeloid cells-like 5, pseudogene	6	p21.1
ENSG00000229948	B3GALNT1		2	p13.3
ENSG00000229314	ORM1	orosomuroid 1	9	q32
ENSG00000228278	ORM2	orosomuroid 2	9	q32
ENSG00000228663	PSMD10P1	proteasome 26S subunit, non-ATPase, 10 pseudogene 1	20	q13.13
ENSG00000235568	NFAM1	NFAT activating protein with ITAM motif 1	22	q13.2
ENSG00000237111	IGHJ3P	immunoglobulin heavy joining 3P (pseudogene)	14	q32.33
ENSG00000237547	IGHJ2P	immunoglobulin heavy joining 2P (pseudogene)	14	q32.33
ENSG00000227335	IGHJ1P	immunoglobulin heavy joining 1P (pseudogene)	14	q32.33
ENSG00000231475	IGHV4-31	immunoglobulin heavy variable 4-31	14	q32.33
ENSG00000232216	IGHV3-43	immunoglobulin heavy variable 3-43	14	q32.33
ENSG00000229092	IGHV3-47	immunoglobulin heavy variable 3-47 (pseudogene)	14	q32.33
ENSG00000224373	IGHV4-59	immunoglobulin heavy variable 4-59	14	q32.33
ENSG00000223648	IGHV3-64	immunoglobulin heavy variable 3-64	14	q32.33
ENSG00000225698	IGHV3-72	immunoglobulin heavy variable 3-72	14	q32.33
ENSG00000224650	IGHV3-74	immunoglobulin heavy variable 3-74	14	q32.33
ENSG00000225366	TDGF1P3	teratocarcinoma-derived growth factor 1 pseudogene 3	X	q23
ENSG00000234512	TLR12P	toll-like receptor 12, pseudogene	1	p35.1
ENSG00000229204	PTGES3P3	prostaglandin E synthase 3 (cytosolic) pseudogene 3	4	q33
ENSG00000232119	MCTS1	malignant T cell amplified sequence 1	X	q24
ENSG00000225805	LOC100129216	Putative uncharacterized protein ENSP00000406391	11	q13.4
ENSG00000237693	IRGM	immunity-related GTPase family, M	5	q33.1
ENSG00000230558	CEACAMP2	carcinoembryonic antigen-related cell adhesion molecule pseudogene 2	19	q13.2
ENSG00000233681	CEACAMP1	carcinoembryonic antigen-related cell adhesion molecule pseudogene 1	19	q13.2
ENSG00000231561	CEACAMP5	carcinoembryonic antigen-related cell adhesion molecule pseudogene 5	19	q13.2
ENSG00000238092	CEACAMP6	carcinoembryonic antigen-related cell adhesion molecule pseudogene 6	19	q13.2
ENSG00000227349	CEACAMP7	carcinoembryonic antigen-related cell adhesion molecule pseudogene 7	19	q13.31
ENSG00000236932	CEACAMP8	carcinoembryonic antigen-related cell adhesion molecule pseudogene 8	19	q13.31
ENSG00000230529	CEACAMP9	carcinoembryonic antigen-related cell adhesion molecule pseudogene 9	19	q13.31
ENSG00000236123	CEACAMP11	carcinoembryonic antigen-related cell adhesion molecule pseudogene 11	19	q13.31
ENSG00000230681	CEACAMP4	carcinoembryonic antigen-related cell adhesion molecule pseudogene 4	19	q13.31
ENSG00000230666	CEACAM22P	carcinoembryonic antigen-related cell adhesion molecule 2, pseudogene	19	q13.31

ENSG00000234906	APOC2	apolipoprotein C-II	19	q13.32
ENSG00000236417	CTSL1P1	cathepsin L1 pseudogene 1	10	q23.2
ENSG00000227268	KLLN	killin, p53-regulated DNA replication inhibitor	10	q23.31
ENSG00000224289	IFIT6P	interferon-induced protein with tetratricopeptide repeats 6, pseudogene	10	q23.31
ENSG00000224607	IGKV1D-27	immunoglobulin kappa variable 1D-27 (pseudogene)	2	p11.2
ENSG00000232747	IGKV1D-35	immunoglobulin kappa variable 1D-35 (pseudogene)	2	p11.2
ENSG00000225523	IGKV6D-21	immunoglobulin kappa variable 6D-21 (non-functional)	2	p11.2
ENSG00000224041	IGKV3D-15	immunoglobulin kappa variable 3D-15 (gene/pseudogene)	2	p11.2
ENSG00000233859	ADH5P4	alcohol dehydrogenase 5 (class III), chi polypeptide, pseudogene 4	6	q12
ENSG00000223953	C1QTNF5	C1q and tumor necrosis factor related protein 5	11	q23.3
ENSG00000234224	TMEM229A	transmembrane protein 229A	7	q31.32
ENSG00000232676	ADH5P2	alcohol dehydrogenase 5 (class III), chi polypeptide, pseudogene 2	1	p31.1
ENSG00000226652	PSMD10P2	proteasome 26S subunit, non-ATPase, 10 pseudogene 2	3	q27.3
ENSG00000234518	PTGES3P1	prostaglandin E synthase 3 (cytosolic) pseudogene 1	1	p22.2
ENSG00000236548	IDBG-309143	six-twelve leukemia (STL), non-coding RNA	6	q22.31
ENSG00000226660	TRBV2	T cell receptor beta variable 2	7	q34
ENSG00000237702	TRBV3-1	T cell receptor beta variable 3-1	7	q34
ENSG00000230099	TRBV5-4	T cell receptor beta variable 5-4	7	q34
ENSG00000227550	TRBV7-5	T cell receptor beta variable 7-5 (pseudogene)	7	q34
ENSG00000229769	TRBV10-2	T cell receptor beta variable 10-2	7	q34
ENSG00000232869	TRBV29-1	T cell receptor beta variable 29-1	7	q34
ENSG00000237254	TRBV30	T cell receptor beta variable 30 (gene/pseudogene)	7	q34
ENSG00000225556	C2CD4D	C2 calcium-dependent domain containing 4D	1	q21.3
ENSG00000229150	CRYGEP	crystallin, gamma E, pseudogene	2	q33.3
ENSG00000235444	PSMB3P2	proteasome (prosome, macropain) subunit, beta type, 3 pseudogene 2	2	q35
ENSG00000229754	CXCR2P1	chemokine (C-X-C motif) receptor 2 pseudogene 1	2	q35
ENSG00000223603	CRPP1	C-reactive protein pseudogene 1	1	q23.2
ENSG00000233608	TWIST2	twist homolog 2 (Drosophila)	2	q37.3
ENSG00000223694	ADH5P3	alcohol dehydrogenase 5 (class III), chi polypeptide, pseudogene 3	1	q43
ENSG00000223997	TRDD1	T cell receptor delta diversity 1	14	q11.2
ENSG00000237235	TRDD2	T cell receptor delta diversity 2	14	q11.2
ENSG00000228985	TRDD3	T cell receptor delta diversity 3	14	q11.2

ENSG00000236597	IGHD7-27	immunoglobulin heavy diversity 7-27	14	q32.33
ENSG00000225825	IGHD6-25	immunoglobulin heavy diversity 6-25	14	q32.33
ENSG00000227196	IGHD4-23	immunoglobulin heavy diversity 4-23 (non-functional)	14	q32.33
ENSG00000237020	IGHD1-20	immunoglobulin heavy diversity 1-20	14	q32.33
ENSG00000227800	IGHD4-17	immunoglobulin heavy diversity 4-17	14	q32.33
ENSG00000227108	IGHD1-14	immunoglobulin heavy diversity 1-14 (non-functional)	14	q32.33
ENSG00000232543	IGHD4-11	immunoglobulin heavy diversity 4-11 (non-functional)	14	q32.33
ENSG00000237197	IGHD1-7	immunoglobulin heavy diversity 1-7	14	q32.33
ENSG00000228131	IGHD6-6	immunoglobulin heavy diversity 6-6	14	q32.33
ENSG00000233655	IGHD4-4	immunoglobulin heavy diversity 4-4	14	q32.33
ENSG00000236170	IGHD1-1	immunoglobulin heavy diversity 1-1	14	q32.33
ENSG00000249624	IFNAR2	Uncharacterized protein	21	q22.11
ENSG00000243646	IL10RB	interleukin 10 receptor, beta	21	q22.11
ENSG00000240654	C1QTNF9	C1q and tumor necrosis factor related protein 9	13	q12.12
ENSG00000240972	MIF	macrophage migration inhibitory factor (glycosylation-inhibiting factor)	22	q11.23
ENSG00000244486	SCARF2	scavenger receptor class F, member 2	22	q11.21
ENSG00000250868	XKRY	XK, Kell blood group complex subunit-related, Y-linked	Y	q11.222
ENSG00000244646	XKRY	XK, Kell blood group complex subunit-related, Y-linked	Y	q11.222
ENSG00000242114	MTFP1	mitochondrial fission process 1	22	q12.2
ENSG00000242173	ARHGDI3	Rho GDP dissociation inhibitor (GDI) gamma	16	p13.3
ENSG00000253626	EIF5AL1	eukaryotic translation initiation factor 5A-like 1	10	q22.3
ENSG00000249437	NAIP	NLR family, apoptosis inhibitory protein	5	q13.2
ENSG00000240247	DEFA1B	defensin, alpha 1B	8	p23.1
ENSG00000239839	DEFA3	defensin, alpha 3, neutrophil-specific	8	p23.1
ENSG00000251694	USP17L9P	ubiquitin specific peptidase 17-like family member 9, pseudogene	4	p16.1
ENSG00000243244	STON1	stonin 1	2	p16.3
ENSG00000243509	TNFRSF6B	tumor necrosis factor receptor superfamily, member 6b, decoy	20	q13.33
ENSG00000240053	LY6G5B	lymphocyte antigen 6 complex, locus G5B	6	p21.33
ENSG00000244349	HCG16	HLA complex group 16	6	p22.1
ENSG00000253655	IGJP1	immunoglobulin J polypeptide pseudogene 1	8	q21.2
ENSG00000244355	LY6G6D	lymphocyte antigen 6 complex, locus G6D	6	p21.33
ENSG00000241106	HLA-DOB	major histocompatibility complex, class II, DO beta	6	p21.32

ENSG00000243753	HLA-L	major histocompatibility complex, class I, L (pseudogene)	6	p22.1
ENSG00000253958	CLDN23	claudin 23	8	p23.1
ENSG00000254203	IGHVII-33-1	immunoglobulin heavy variable (II)-33-1 (pseudogene)	14	q32.33
ENSG00000253440	IGHV3-33-2	immunoglobulin heavy variable 3-33-2 (pseudogene)	14	q32.33
ENSG00000253325	IGHV7-34-1	immunoglobulin heavy variable 7-34-1 (pseudogene)	14	q32.33
ENSG00000253240	IGHV3-36	immunoglobulin heavy variable 3-36 (pseudogene)	14	q32.33
ENSG00000253359	IGHV3-37	immunoglobulin heavy variable 3-37 (pseudogene)	14	q32.33
ENSG00000250264	TAP2	Uncharacterized protein	6	p21.32
ENSG00000253989	IGHVIII-38-1	immunoglobulin heavy variable (III)-38-1 (pseudogene)	14	q32.33
ENSG00000253467	IGHV7-40	immunoglobulin heavy variable 7-40 (pseudogene)	14	q32.33
ENSG00000253294	IGHVII-40-1	immunoglobulin heavy variable (II)-40-1 (pseudogene)	14	q32.33
ENSG00000254228	IGHV3-42	immunoglobulin heavy variable 3-42 (pseudogene)	14	q32.33
ENSG00000253588	IGHVIII-44	immunoglobulin heavy variable (III)-44 (pseudogene)	14	q32.33
ENSG00000253465	IGHVIV-44-1	immunoglobulin heavy variable (IV)-44-1 (pseudogene)	14	q32.33
ENSG00000253895	IGHVII-44-2	immunoglobulin heavy variable (II)-44-2 (pseudogene)	14	q32.33
ENSG00000253808	IGHVII-46-1	immunoglobulin heavy variable (II)-46-1 (pseudogene)	14	q32.33
ENSG00000253862	IGHVIII-47-1	immunoglobulin heavy variable (III)-47-1 (pseudogene)	14	q32.33
ENSG00000253386	IGHVII-49-1	immunoglobulin heavy variable (II)-49-1 (pseudogene)	14	q32.33
ENSG00000253241	IGHV3-50	immunoglobulin heavy variable 3-50 (pseudogene)	14	q32.33
ENSG00000254167	IGHVIII-51-1	immunoglobulin heavy variable (III)-51-1 (pseudogene)	14	q32.33
ENSG00000253941	IGHVII-51-2	immunoglobulin heavy variable (II)-51-2 (pseudogene)	14	q32.33
ENSG00000253545	IGHV3-52	immunoglobulin heavy variable 3-52 (pseudogene)	14	q32.33
ENSG00000253714	IGHVII-53-1	immunoglobulin heavy variable (II)-53-1 (pseudogene)	14	q32.33
ENSG00000254395	IGHV4-55	immunoglobulin heavy variable 4-55 (pseudogene)	14	q32.33
ENSG00000253131	IGHV7-56	immunoglobulin heavy variable 7-56 (pseudogene)	14	q32.33
ENSG00000253759	IGHV3-57	immunoglobulin heavy variable 3-57 (pseudogene)	14	q32.33
ENSG00000240065	PSMB9	proteasome (prosome, macropain) subunit, beta type, 9 (large multifunctional peptidase 2)	6	p21.32
ENSG00000253742	IGHV3-60	immunoglobulin heavy variable 3-60 (pseudogene)	14	q32.33
ENSG00000254329	IGHVII-60-1	immunoglobulin heavy variable (II)-60-1 (pseudogene)	14	q32.33
ENSG00000253132	IGHV3-62	immunoglobulin heavy variable 3-62 (pseudogene)	14	q32.33
ENSG00000253747	IGHVII-62-1	immunoglobulin heavy variable (II)-62-1 (pseudogene)	14	q32.33
ENSG00000253936	IGHV3-63	immunoglobulin heavy variable 3-63 (pseudogene)	14	q32.33

ENSG00000253209	IGHV3-65	immunoglobulin heavy variable 3-65 (pseudogene)	14	q32.33
ENSG00000253169	IGHVII-65-1	immunoglobulin heavy variable (II)-65-1 (pseudogene)	14	q32.33
ENSG00000253274	IGHV1-67	immunoglobulin heavy variable 1-67 (pseudogene)	14	q32.33
ENSG00000253820	IGHVII-67-1	immunoglobulin heavy variable (II)-67-1 (pseudogene)	14	q32.33
ENSG00000254036	IGHVIII-67-2	immunoglobulin heavy variable (III)-67-2 (pseudogene)	14	q32.33
ENSG00000253635	IGHVIII-67-3	immunoglobulin heavy variable (III)-67-3 (pseudogene)	14	q32.33
ENSG00000254052	IGHVIII-67-4	immunoglobulin heavy variable (III)-67-4 (pseudogene)	14	q32.33
ENSG00000253703	IGHV1-68	immunoglobulin heavy variable 1-68 (pseudogene)	14	q32.33
ENSG00000254056	IGHV3-71	immunoglobulin heavy variable 3-71 (pseudogene)	14	q32.33
ENSG00000254134	IGHVII-74-1	immunoglobulin heavy variable (II)-74-1 (pseudogene)	14	q32.33
ENSG00000254176	IGHV3-75	immunoglobulin heavy variable 3-75 (pseudogene)	14	q32.33
ENSG00000253247	IGHV3-76	immunoglobulin heavy variable 3-76 (pseudogene)	14	q32.33
ENSG00000253310	IGHVIII-76-1	immunoglobulin heavy variable (III)-76-1 (pseudogene)	14	q32.33
ENSG00000253674	IGHVII-78-1	immunoglobulin heavy variable (II)-78-1 (pseudogene)	14	q32.33
ENSG00000253303	IGHVIII-82	immunoglobulin heavy variable (III)-82 (pseudogene)	14	q32.33
ENSG00000253435	IGKV2-4	immunoglobulin kappa variable 2-4 (pseudogene)	2	p11.2
ENSG00000243466	IGKV1-5	immunoglobulin kappa variable 1-5	2	p11.2
ENSG00000239855	IGKV1-6	immunoglobulin kappa variable 1-6	2	p11.2
ENSG00000243063	IGKV3-7	immunoglobulin kappa variable 3-7 (non-functional)	2	p11.2
ENSG00000240671	IGKV1-8	immunoglobulin kappa variable 1-8	2	p11.2
ENSG00000241755	IGKV1-9	immunoglobulin kappa variable 1-9	2	p11.2
ENSG00000253278	IGKV2-10	immunoglobulin kappa variable 2-10 (pseudogene)	2	p11.2
ENSG00000241351	IGKV3-11	immunoglobulin kappa variable 3-11	2	p11.2
ENSG00000243290	IGKV1-12	immunoglobulin kappa variable 1-12	2	p11.2
ENSG00000253497	IGKV1-13	immunoglobulin kappa variable 1-13 (gene/pseudogene)	2	p11.2
ENSG00000253265	IGKV2-14	immunoglobulin kappa variable 2-14 (pseudogene)	2	p11.2
ENSG00000244437	IGKV3-15	immunoglobulin kappa variable 3-15	2	p11.2
ENSG00000240864	IGKV1-16	immunoglobulin kappa variable 1-16	2	p11.2
ENSG00000240382	IGKV1-17	immunoglobulin kappa variable 1-17	2	p11.2
ENSG00000254157	IGKV2-18	immunoglobulin kappa variable 2-18 (pseudogene)	2	p11.2
ENSG00000253732	IGKV2-19	immunoglobulin kappa variable 2-19 (pseudogene)	2	p11.2
ENSG00000239951	IGKV3-20	immunoglobulin kappa variable 3-20	2	p11.2

ENSG00000253578	IGKV1-22	immunoglobulin kappa variable 1-22 (pseudogene)	2	p11.2
ENSG00000253625	IGKV2-23	immunoglobulin kappa variable 2-23 (pseudogene)	2	p11.2
ENSG00000241294	IGKV2-24	immunoglobulin kappa variable 2-24	2	p11.2
ENSG00000253202	IGKV3-25	immunoglobulin kappa variable 3-25 (pseudogene)	2	p11.2
ENSG00000254098	IGKV2-26	immunoglobulin kappa variable 2-26 (pseudogene)	2	p11.2
ENSG00000244575	IGKV1-27	immunoglobulin kappa variable 1-27	2	p11.2
ENSG00000244116	IGKV2-28	immunoglobulin kappa variable 2-28	2	p11.2
ENSG00000253998	IGKV2-29	immunoglobulin kappa variable 2-29 (gene/pseudogene)	2	p11.2
ENSG00000243238	IGKV2-30	immunoglobulin kappa variable 2-30	2	p11.2
ENSG00000253158	IGKV3-31	immunoglobulin kappa variable 3-31 (pseudogene)	2	p11.2
ENSG00000253870	IGKV1-32	immunoglobulin kappa variable 1-32 (pseudogene)	2	p11.2
ENSG00000242076	IGKV1-33	immunoglobulin kappa variable 1-33	2	p11.2
ENSG00000253860	IGKV3-34	immunoglobulin kappa variable 3-34 (pseudogene)	2	p11.2
ENSG00000253461	IGKV1-35	immunoglobulin kappa variable 1-35 (pseudogene)	2	p11.2
ENSG00000253487	IGKV2-36	immunoglobulin kappa variable 2-36 (pseudogene)	2	p11.2
ENSG00000239862	IGKV1-37	immunoglobulin kappa variable 1-37 (non-functional)	2	p11.2
ENSG00000242574	HLA-DMB	major histocompatibility complex, class II, DM beta	6	p21.32
ENSG00000253592	IGKV2-38	immunoglobulin kappa variable 2-38 (pseudogene)	2	p11.2
ENSG00000242371	IGKV1-39	immunoglobulin kappa variable 1-39 (gene/pseudogene)	2	p11.2
ENSG00000251039	IGKV2D-40	immunoglobulin kappa variable 2D-40	2	p11.2
ENSG00000251546	IGKV1D-39	immunoglobulin kappa variable 1D-39	2	p11.2
ENSG00000254009	IGKV2D-38	immunoglobulin kappa variable 2D-38 (pseudogene)	2	p11.2
ENSG00000250036	IGKV1D-37	immunoglobulin kappa variable 1D-37 (non-functional)	2	p11.2
ENSG00000253127	IGKV2D-36	immunoglobulin kappa variable 2D-36 (pseudogene)	2	p11.2
ENSG00000253501	IGKV3D-34	immunoglobulin kappa variable 3D-34 (pseudogene)	2	p11.2
ENSG00000239975	IGKV1D-33	immunoglobulin kappa variable 1D-33	2	p11.2
ENSG00000253191	IGKV1D-32	immunoglobulin kappa variable 1D-32 (pseudogene)	2	p11.2
ENSG00000253999	IGKV3D-31	immunoglobulin kappa variable 3D-31 (pseudogene)	2	p11.2
ENSG00000239571	IGKV2D-30	immunoglobulin kappa variable 2D-30	2	p11.2
ENSG00000243264	IGKV2D-29	immunoglobulin kappa variable 2D-29	2	p11.2
ENSG00000242534	IGKV2D-28	immunoglobulin kappa variable 2D-28	2	p11.2
ENSG00000254097	IGKV3D-25	immunoglobulin kappa variable 3D-25 (pseudogene)	2	p11.2

ENSG00000241566	IGKV2D-24	immunoglobulin kappa variable 2D-24 (non-functional)	2	p11.2
ENSG00000254345	IGKV2D-23	immunoglobulin kappa variable 2D-23 (pseudogene)	2	p11.2
ENSG00000253365	IGKV1D-22	immunoglobulin kappa variable 1D-22 (pseudogene)	2	p11.2
ENSG00000241399	CD302	CD302 molecule	2	q24.2
ENSG00000253765	IGKV2D-19	immunoglobulin kappa variable 2D-19 (pseudogene)	2	p11.2
ENSG00000254220	IGKV2D-18	immunoglobulin kappa variable 2D-18 (pseudogene)	2	p11.2
ENSG00000242766	IGKV1D-17	immunoglobulin kappa variable 1D-17	2	p11.2
ENSG00000241244	IGKV1D-16	immunoglobulin kappa variable 1D-16	2	p11.2
ENSG00000254292	IGKV2D-14	immunoglobulin kappa variable 2D-14 (pseudogene)	2	p11.2
ENSG00000249048	TRAV31	T cell receptor alpha variable 31 (pseudogene)	14	q11.2
ENSG00000253906	IGKV2D-10	immunoglobulin kappa variable 2D-10 (pseudogene)	2	p11.2
ENSG00000242580	IGKV1D-43	immunoglobulin kappa variable 1D-43	2	p11.2
ENSG00000239819	IGKV1D-8	immunoglobulin kappa variable 1D-8	2	p11.2
ENSG00000249446	TRAJ60	T cell receptor alpha joining 60 (pseudogene)	14	q11.2
ENSG00000242736	TRBV1	T cell receptor beta variable 1 (pseudogene)	7	q34
ENSG00000250688	TRAJ55	T cell receptor alpha joining 55 (pseudogene)	14	q11.2
ENSG00000248366	TRAJ51	T cell receptor alpha joining 51 (pseudogene)	14	q11.2
ENSG00000253291	TRBV7-7	T cell receptor beta variable 7-7	7	q34
ENSG00000253534	TRBV6-8	T cell receptor beta variable 6-8	7	q34
ENSG00000253188	TRBV6-7	T cell receptor beta variable 6-7 (non-functional)	7	q34
ENSG00000253409	TRBV7-4	T cell receptor beta variable 7-4 (gene/pseudogene)	7	q34
ENSG00000244661	TRBV12-1	T cell receptor beta variable 12-1 (pseudogene)	7	q34
ENSG00000239944	TRBV8-2	T cell receptor beta variable 8-2 (pseudogene)	7	q34
ENSG00000242771	TRBV5-2	T cell receptor beta variable 5-2 (pseudogene)	7	q34
ENSG00000243889	TRBV8-1	T cell receptor beta variable 8-1 (pseudogene)	7	q34
ENSG00000251578	TRBV21-1	T cell receptor beta variable 21-1 (pseudogene)	7	q34
ENSG00000240578	TRBV22-1	T cell receptor beta variable 22-1 (pseudogene)	7	q34
ENSG00000239992	TRBVA	T cell receptor beta variable A (pseudogene)	7	q34
ENSG00000249912	TRBV26	T cell receptor beta variable 26 (pseudogene)	7	q34
ENSG00000241911	TRBVB	T cell receptor beta variable B (pseudogene)	7	q34
ENSG00000253691	IGKV2OR22-4	immunoglobulin kappa variable 2/OR22-4 (pseudogene)	22	q11.1
ENSG00000253460	IGKV2OR22-3	immunoglobulin kappa variable 2/OR22-3 (pseudogene)	22	q11.1

ENSG00000254264	IGKV3OR22-2	immunoglobulin kappa variable 3/OR22-2 (pseudogene)	22	q11.1
ENSG00000253481	IGKV1OR22-1	immunoglobulin kappa variable 1/OR22-1 (pseudogene)	22	q11.1
ENSG00000254017	IGHEP2	immunoglobulin heavy constant epsilon P2 (pseudogene)	9	p24.1
ENSG00000253239	IGLVI-70	immunoglobulin lambda variable (I)-70 (pseudogene)	22	q11.22
ENSG00000254355	IGLVI-68	immunoglobulin lambda variable (I)-68 (pseudogene)	22	q11.22
ENSG00000253794	IGLV10-67	immunoglobulin lambda variable 10-67 (pseudogene)	22	q11.22
ENSG00000253874	IGLVIV-66-1	immunoglobulin lambda variable (IV)-66-1 (pseudogene)	22	q11.22
ENSG00000254075	IGLVV-66	immunoglobulin lambda variable (V)-66 (pseudogene)	22	q11.22
ENSG00000254161	IGLVIV-65	immunoglobulin lambda variable (IV)-65 (pseudogene)	22	q11.22
ENSG00000253242	IGLVIV-64	immunoglobulin lambda variable (IV)-64 (pseudogene)	22	q11.22
ENSG00000253752	IGLVI-63	immunoglobulin lambda variable (I)-63 (pseudogene)	22	q11.22
ENSG00000253823	IGLV1-62	immunoglobulin lambda variable 1-62 (pseudogene)	22	q11.22
ENSG00000254308	IGLVIV-59	immunoglobulin lambda variable (IV)-59 (pseudogene)	22	q11.22
ENSG00000253637	IGLVV-58	immunoglobulin lambda variable (V)-58 (pseudogene)	22	q11.22
ENSG00000248993	HLA-DMB	Major histocompatibility complex, class II, DM beta	6	p21.32
ENSG00000253126	IGLVI-56	immunoglobulin lambda variable (I)-56 (pseudogene)	22	q11.22
ENSG00000253935	IGLVIV-53	immunoglobulin lambda variable (IV)-53 (pseudogene)	22	q11.22
ENSG00000254175	IGLVI-42	immunoglobulin lambda variable (I)-42 (pseudogene)	22	q11.22
ENSG00000254073	IGLVVII-41-1	immunoglobulin lambda variable (VII)-41-1 (pseudogene)	22	q11.22
ENSG00000253818	IGLV1-41	immunoglobulin lambda variable 1-41 (pseudogene)	22	q11.22
ENSG00000253889	IGLVI-38	immunoglobulin lambda variable (I)-38 (pseudogene)	22	q11.22
ENSG00000253631	IGLV7-35	immunoglobulin lambda variable 7-35 (pseudogene)	22	q11.22
ENSG00000253120	IGLV2-34	immunoglobulin lambda variable 2-34 (pseudogene)	22	q11.22
ENSG00000253920	IGLV3-31	immunoglobulin lambda variable 3-31 (pseudogene)	22	q11.22
ENSG00000253329	IGLV3-30	immunoglobulin lambda variable 3-30 (pseudogene)	22	q11.22
ENSG00000253338	IGLV3-29	immunoglobulin lambda variable 3-29 (pseudogene)	22	q11.22
ENSG00000253451	IGLV2-28	immunoglobulin lambda variable 2-28 (pseudogene)	22	q11.22
ENSG00000253913	IGLV3-26	immunoglobulin lambda variable 3-26 (pseudogene)	22	q11.22
ENSG00000253779	IGLVVI-25-1	immunoglobulin lambda variable (VI)-25-1 (pseudogene)	22	q11.22
ENSG00000253822	IGLV3-24	immunoglobulin lambda variable 3-24 (pseudogene)	22	q11.22
ENSG00000253546	IGLVVI-22-1	immunoglobulin lambda variable (VI)-22-1 (pseudogene)	22	q11.22
ENSG00000254240	IGLVI-20	immunoglobulin lambda variable (I)-20 (pseudogene)	22	q11.22

ENSG00000253152	IGLV3-17	immunoglobulin lambda variable 3-17 (pseudogene)	22	q11.22
ENSG00000253786	IGLV3-15	immunoglobulin lambda variable 3-15 (pseudogene)	22	q11.22
ENSG00000253590	IGLV3-13	immunoglobulin lambda variable 3-13 (pseudogene)	22	q11.22
ENSG00000254077	IGLV3-7	immunoglobulin lambda variable 3-7 (pseudogene)	22	q11.22
ENSG00000253448	IGLV3-6	immunoglobulin lambda variable 3-6 (pseudogene)	22	q11.22
ENSG00000253234	IGLV2-5	immunoglobulin lambda variable 2-5 (pseudogene)	22	q11.22
ENSG00000253963	IGLV3-2	immunoglobulin lambda variable 3-2 (pseudogene)	22	q11.22
ENSG00000254029	IGLC4	immunoglobulin lambda constant 4 (pseudogene)	22	q11.22
ENSG00000254030	IGLC5	immunoglobulin lambda constant 5 (pseudogene)	22	q11.22
ENSG00000243667	WDR92	WD repeat domain 92	2	p14
ENSG00000253755	IGHGP	immunoglobulin heavy constant gamma P (non-functional)	14	q32.33
ENSG00000253692	IGHEP1	immunoglobulin heavy constant epsilon P1 (pseudogene)	14	q32.33
ENSG00000242472	IGHJ5	immunoglobulin heavy joining 5	14	q32.33
ENSG00000240041	IGHJ4	immunoglobulin heavy joining 4	14	q32.33
ENSG00000242887	IGHJ3	immunoglobulin heavy joining 3	14	q32.33
ENSG00000239649	MYADML	myeloid-associated differentiation marker-like (pseudogene)	2	p22.3
ENSG00000249978	TRGV7	T cell receptor gamma variable 7 (pseudogene)	7	p14.1
ENSG00000254127	IGLCOR22-1	immunoglobulin lambda constant/OR22-1 (pseudogene)	22	q12.3
ENSG00000254279	IGHVII-1-1	immunoglobulin heavy variable (II)-1-1 (pseudogene)	14	q32.33
ENSG00000253780	IGHVIII-2-1	immunoglobulin heavy variable (III)-2-1 (pseudogene)	14	q32.33
ENSG00000253387	IGHVIII-5-1	immunoglobulin heavy variable (III)-5-1 (pseudogene)	14	q32.33
ENSG00000254053	IGHVIII-5-2	immunoglobulin heavy variable (III)-5-2 (pseudogene)	14	q32.33
ENSG00000253763	IGHV3-6	immunoglobulin heavy variable 3-6 (pseudogene)	14	q32.33
ENSG00000254215	IGHVIII-11-1	immunoglobulin heavy variable (III)-11-1 (pseudogene)	14	q32.33
ENSG00000254174	IGHV1-12	immunoglobulin heavy variable 1-12 (pseudogene)	14	q32.33
ENSG00000253412	IGHVIII-13-1	immunoglobulin heavy variable (III)-13-1 (pseudogene)	14	q32.33
ENSG00000253709	IGHV1-14	immunoglobulin heavy variable 1-14 (pseudogene)	14	q32.33
ENSG00000253458	IGHVII-15-1	immunoglobulin heavy variable (II)-15-1 (pseudogene)	14	q32.33
ENSG00000254046	IGHV1-17	immunoglobulin heavy variable 1-17 (pseudogene)	14	q32.33
ENSG00000253883	IGHV3-19	immunoglobulin heavy variable 3-19 (pseudogene)	14	q32.33
ENSG00000253957	IGHV3-22	immunoglobulin heavy variable 3-22 (pseudogene)	14	q32.33
ENSG00000253345	IGHVII-22-1	immunoglobulin heavy variable (II)-22-1 (pseudogene)	14	q32.33

ENSG00000254045	IGHVIII-22-2	immunoglobulin heavy variable (III)-22-2 (pseudogene)	14	q32.33
ENSG00000253441	IGHV3-25	immunoglobulin heavy variable 3-25 (pseudogene)	14	q32.33
ENSG00000253367	IGHVIII-25-1	immunoglobulin heavy variable (III)-25-1 (pseudogene)	14	q32.33
ENSG00000253462	IGHVIII-26-1	immunoglobulin heavy variable (III)-26-1 (pseudogene)	14	q32.33
ENSG00000253482	IGHVII-26-2	immunoglobulin heavy variable (II)-26-2 (pseudogene)	14	q32.33
ENSG00000254326	IGHV7-27	immunoglobulin heavy variable 7-27 (pseudogene)	14	q32.33
ENSG00000253491	IGHVII-30-1	immunoglobulin heavy variable (II)-30-1 (pseudogene)	14	q32.33
ENSG00000253587	IGHV3-30-2	immunoglobulin heavy variable 3-30-2 (pseudogene)	14	q32.33
ENSG00000253149	IGHVII-31-1	immunoglobulin heavy variable (II)-31-1 (pseudogene)	14	q32.33
ENSG00000254289	IGHV3-32	immunoglobulin heavy variable 3-32 (pseudogene)	14	q32.33
ENSG00000244703	CD46P1	CD46 molecule, complement regulatory protein pseudogene 1	1	q32.2
ENSG00000244171	PBX2P1	pre-B-cell leukemia homeobox 2 pseudogene 1	3	q24
ENSG00000241506	PSMC1P1	proteasome (prosome, macropain) 26S subunit, ATPase, 1 pseudogene 1	3	p14.1
ENSG00000244255	CFB	Complement factor B Ba fragment; Uncharacterized protein; cDNA FLJ55673, highly similar to Complement factor B	6	p21.33
ENSG00000243414	TICAM2	toll-like receptor adaptor molecule 2	5	q22.3
ENSG00000250550	PPBPP1	pro-platelet basic protein pseudogene 1	4	q13.3
ENSG00000250339	CXCL1P	chemokine (C-X-C motif) ligand 1 pseudogene	4	q13.3
ENSG00000248848	PPBPP2	pro-platelet basic protein pseudogene 2	4	q13.3
ENSG00000240215	TRBV25OR9-2	T cell receptor beta variable 25/OR9-2 (pseudogene)	9	p13.3
ENSG00000244122	UGT1A7	UDP glucuronosyltransferase 1 family, polypeptide A7	2	q37.1
ENSG00000240583	AQP1	aquaporin 1 (Colton blood group)	7	p14.3
ENSG00000241635	UGT1A1	UDP glucuronosyltransferase 1 family, polypeptide A1	2	q37.1
ENSG00000243709	LEFTY1	left-right determination factor 1	1	q42.12
ENSG00000240403	KIR3DL2	killer cell immunoglobulin-like receptor, three domains, long cytoplasmic tail, 2	19	q13.42
ENSG00000242473	KIR2DP1	killer cell immunoglobulin-like receptor, two domains, pseudogene 1	19	q13.42
ENSG00000250424	AQP1	Uncharacterized protein	7	p14.3
ENSG00000241657	TRBV11-2	T cell receptor beta variable 11-2	7	q34
ENSG00000239732	TLR9	toll-like receptor 9	3	p21.2
ENSG00000251493	FOXD1	forkhead box D1	5	q13.2
ENSG00000239697	TNFSF12	tumor necrosis factor (ligand) superfamily, member 12	17	p13.1
ENSG00000248871	TNFSF12- TNFSF13	TNFSF12-TNFSF13 readthrough	17	p13.1

ENSG00000253729	PRKDC	protein kinase, DNA-activated, catalytic polypeptide	8	q11.21
ENSG00000254126	CD8BP	CD8b molecule pseudogene	2	q12.2
ENSG00000250120	PCDHA10	protocadherin alpha 10	5	q31.3
ENSG00000249158	PCDHA11	protocadherin alpha 11	5	q31.3
ENSG00000251664	PCDHA12	protocadherin alpha 12	5	q31.3
ENSG00000239389	PCDHA13	protocadherin alpha 13	5	q31.3
ENSG00000248383	PCDHAC1	protocadherin alpha subfamily C, 1	5	q31.3
ENSG00000243232	PCDHAC2	protocadherin alpha subfamily C, 2	5	q31.3
ENSG00000251537	TRIM16	Uncharacterized protein	17	p12
ENSG00000242252	BGLAP	bone gamma-carboxyglutamate (gla) protein	1	q22
ENSG00000254245	PCDHGA3	protocadherin gamma subfamily A, 3	5	q31.3
ENSG00000254221	PCDHGB1	protocadherin gamma subfamily B, 1	5	q31.3
ENSG00000253910	PCDHGB2	protocadherin gamma subfamily B, 2	5	q31.3
ENSG00000239264	TXNDC5	thioredoxin domain containing 5 (endoplasmic reticulum)	6	p24.3
ENSG00000253485	PCDHGA5	protocadherin gamma subfamily A, 5	5	q31.3
ENSG00000253731	PCDHGA6	protocadherin gamma subfamily A, 6	5	q31.3
ENSG00000253537	PCDHGA7	protocadherin gamma subfamily A, 7	5	q31.3
ENSG00000253953	PCDHGB4	protocadherin gamma subfamily B, 4	5	q31.3
ENSG00000253767	PCDHGA8	protocadherin gamma subfamily A, 8	5	q31.3
ENSG00000253305	PCDHGB6	protocadherin gamma subfamily B, 6	5	q31.3
ENSG00000253846	PCDHGA10	protocadherin gamma subfamily A, 10	5	q31.3
ENSG00000249853	HS3ST5	heparan sulfate (glucosamine) 3-O-sulfotransferase 5	6	q22.1
ENSG00000254122	PCDHGB7	protocadherin gamma subfamily B, 7	5	q31.3
ENSG00000253873	PCDHGA11	protocadherin gamma subfamily A, 11	5	q31.3
ENSG00000253159	PCDHGA12	protocadherin gamma subfamily A, 12	5	q31.3
ENSG00000240184	PCDHGC3	protocadherin gamma subfamily C, 3	5	q31.3
ENSG00000242419	PCDHGC4	protocadherin gamma subfamily C, 4	5	q31.3
ENSG00000240764	PCDHGC5	protocadherin gamma subfamily C, 5	5	q31.3
ENSG00000240505	TNFRSF13B	tumor necrosis factor receptor superfamily, member 13B	17	p11.2
ENSG00000250361	GYPB	glycophorin B (MNS blood group)	4	q31.21
ENSG00000240280	TCAM1P	testicular cell adhesion molecule 1 homolog (mouse), pseudogene	17	q23.3
ENSG00000241186	TDGF1	teratocarcinoma-derived growth factor 1	3	p21.31

ENSG00000239736	CEACAMP3	carcinoembryonic antigen-related cell adhesion molecule pseudogene 3	19	q13.2
ENSG00000245848	CEBPA	CCAAT/enhancer binding protein (C/EBP), alpha	19	q13.11
ENSG00000242265	PEG10	paternally expressed 10	7	q21.3
ENSG00000240344	PPIL3	peptidylprolyl isomerase (cyclophilin)-like 3	2	q33.1
ENSG00000248333	CDC2L1	cyclin-dependent kinase 11B	1	p36.33
ENSG00000241104	CEACAMP10	carcinoembryonic antigen-related cell adhesion molecule pseudogene 10	19	q13.31
ENSG00000243284	VSIG8	V-set and immunoglobulin domain containing 8	1	q23.2
ENSG00000244038	DDOST	dolichyl-diphosphooligosaccharide--protein glycosyltransferase	1	p36.12
ENSG00000249915	PDCD6	programmed cell death 6	5	p15.33
ENSG00000239672	NME1	NME/NM23 nucleoside diphosphate kinase 1	17	q21.33
ENSG00000242689	CNTF	ciliary neurotrophic factor	11	q12.1
ENSG00000244414	CFHR1	complement factor H-related 1	1	q31.3
ENSG00000243678	NME1-NME2	NME1-NME2 readthrough	17	q21.33
ENSG00000249751	ECSCR	endothelial cell surface expressed chemotaxis and apoptosis regulator	5	q31.2
ENSG00000242296	DEFB109P1	defensin, beta 109, pseudogene 1	8	p23.1
ENSG00000248746	ACTN3	actinin, alpha 3 (gene/pseudogene)	11	q13.2
ENSG00000244682	FCGR2C	Fc fragment of IgG, low affinity IIc, receptor for (CD32) (gene/pseudogene)	1	q23.3
ENSG00000242515	UGT1A10	UDP glucuronosyltransferase 1 family, polypeptide A10	2	q37.1
ENSG00000248385	TARM1	T cell-interacting, activating receptor on myeloid cells 1	19	q13.42
ENSG00000244482	LILRA6	leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 6	19	q13.42
ENSG00000239961	LILRA4	leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 4	19	q13.42
ENSG00000239998	LILRA2	leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 2	19	q13.42
ENSG00000243772	KIR2DL3	killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 3	19	q13.42
ENSG00000242019	KIR3DL3	killer cell immunoglobulin-like receptor, three domains, long cytoplasmic tail, 3	19	q13.42
ENSG00000255569	TRAV1-1	T cell receptor alpha variable 1-1	14	q11.2
ENSG00000256553	TRAV1-2	T cell receptor alpha variable 1-2	14	q11.2
ENSG00000256474	TRAV11	T cell receptor alpha variable 11 (pseudogene)	14	q11.2
ENSG00000256379	TRAV8-5	T cell receptor alpha variable 8-5 (pseudogene)	14	q11.2
ENSG00000258482	TRAV15	T cell receptor alpha variable 15 (pseudogene)	14	q11.2
ENSG00000258835	TRAV28	T cell receptor alpha variable 28 (pseudogene)	14	q11.2
ENSG00000259092	TRAV30	T cell receptor alpha variable 30	14	q11.2
ENSG00000258905	TRAV32	T cell receptor alpha variable 32 (pseudogene)	14	q11.2

ENSG00000258812	TRAV33	T cell receptor alpha variable 33 (pseudogene)	14	q11.2
ENSG00000259068	TRAV37	T cell receptor alpha variable 37 (pseudogene)	14	q11.2
ENSG00000256590	TRDV3	T cell receptor delta variable 3	14	q11.2
ENSG00000254717	GLYATL1P2	glycine-N-acyltransferase-like 1 pseudogene 2	11	q12.1
ENSG00000255189	GLYATL1P1	glycine-N-acyltransferase-like 1 pseudogene 1	11	q12.1
ENSG00000254399	GLYATL1P4	glycine-N-acyltransferase-like 1 pseudogene 4	11	q12.1
ENSG00000255151	GLYATL1P3	glycine-N-acyltransferase-like 1 pseudogene 3	11	q12.1
ENSG00000255544	DEFB108P3	defensin, beta 108, pseudogene 3	8	p23.1
ENSG00000254866	DEFB109P3	defensin, beta 109, pseudogene 3	8	p23.1
ENSG00000257207	LIMS1	LIM and senescent cell antigen-like-containing domain protein 3; LIM and senescent cell antigen-like-containing domain protein 3-like; Uncharacterized protein; cDNA FLJ59124, highly similar to Particularly interesting newCys-His protein; cDNA, FLJ79109, highly similar to Particularly interesting newCys-His protein	2	q13
ENSG00000254623	DEFB108P4	defensin, beta 108, pseudogene 4	8	p23.1
ENSG00000254521	SIGLEC12	sialic acid binding Ig-like lectin 12 (gene/pseudogene)	19	q13.41
ENSG00000254415	SIGLEC14	sialic acid binding Ig-like lectin 14	19	q13.41
ENSG00000254838	GVINP1	GTPase, very large interferon inducible pseudogene 1	11	p15.4
ENSG00000257780	GLYCAM1	glycosylation dependent cell adhesion molecule 1 (pseudogene)	12	q13.2
ENSG00000259529	RNF31	E3 ubiquitin-protein ligase RNF31	14	q12
ENSG00000255398	HCAR3	hydroxycarboxylic acid receptor 3	12	q24.31
ENSG00000255641	KLRC2	NKG2-C type II integral membrane protein	12	p13.2
ENSG00000256206	PSMA1	proteasome subunit alpha type-1 isoform 3	11	p15.2
ENSG00000255552	LY6G6E	lymphocyte antigen 6 complex, locus G6E (pseudogene)	6	p21.33
ENSG00000255819	KLRK1	NKG2-D type II integral membrane protein	12	p13.2
ENSG00000256043	CTSO	cathepsin O	4	q32.1
ENSG00000259691	FKBP1AP2	FK506 binding protein 1A, 12kDa pseudogene 2	15	q24.1
ENSG00000259337	IGHV10R15-2	immunoglobulin heavy variable 1/OR15-2 (pseudogene)	15	q11.1
ENSG00000259490	IGHV30R15-7	immunoglobulin heavy variable 3/OR15-7 (pseudogene)	15	q11.1
ENSG00000258590	NBEAP1	neurobeachin pseudogene 1	15	q11.2
ENSG00000259261	IGHV40R15-8	immunoglobulin heavy variable 4/OR15-8 (non-functional)	15	q11.2
ENSG00000259753	ITGB3	Integrin beta	17	q21.32
ENSG00000258311	BLOC1S1	Uncharacterized protein	12	q13.2
ENSG00000258227	CLEC5A	C-type lectin domain family 5, member A	7	q34

ENSG00000257127	CLLU1	chronic lymphocytic leukemia up-regulated 1	12	q22
ENSG00000255221	CARD17	caspase recruitment domain family, member 17	11	q22.3
ENSG00000255501	CARD18	caspase recruitment domain family, member 18	11	q22.3
ENSG00000254709	IGLL5	immunoglobulin lambda-like polypeptide 5	22	q11.22
ENSG00000256950	PSMD9	26S proteasome non-ATPase regulatory subunit 9 isoform 2 Transcription factor SOX-7; Uncharacterized protein; cDNA FLJ58508, highly similar to	12	q24.31
ENSG00000258724	SOX7	Transcription factor SOX-7	8	p23.1
ENSG00000259303	IGHV2OR16-5	immunoglobulin heavy variable 2/OR16-5 (non-functional)	16	p11.2
ENSG00000259680	IGHV3OR16-7	immunoglobulin heavy variable 3/OR16-7 (pseudogene)	16	p11.2
ENSG00000256870	SLC5A8	solute carrier family 5 (iodide transporter), member 8	12	q23.2
ENSG00000258839	MC1R	melanocortin 1 receptor (alpha melanocyte stimulating hormone receptor)	16	q24.3
ENSG00000256977	LIMS3	LIM and senescent cell antigen-like domains 3	2	q13
ENSG00000258653	PTGR2	Uncharacterized protein	14	q24.3
ENSG00000259207	ITGB3	integrin, beta 3 (platelet glycoprotein IIIa, antigen CD61)	17	q21.32
ENSG00000257103	LSM14A	LSM14A, SCD6 homolog A (<i>S. cerevisiae</i>)	19	q13.11
ENSG00000254656	RTL1	retrotransposon-like 1	14	q32.2
ENSG00000254673	FNTA	Uncharacterized protein	8	p11.21
ENSG00000259571	BLID	BH3-like motif containing, cell death inducer	11	q24.1
ENSG00000254647	INS	insulin	11	p15.5
ENSG00000255408	PCDHA3	protocadherin alpha 3	5	q31.3
ENSG00000255346	NOX5	NADPH oxidase, EF-hand calcium binding domain 5	15	q23
ENSG00000269099	LSP1	Lymphocyte-specific protein 1	13	q12.13
ENSG00000263846	CIAPIN1P	cytokine induced apoptosis inhibitor 1 pseudogene	18	q11.2
ENSG00000262081	IL9RP4	interleukin 9 receptor pseudogene 4	18	p11.32
ENSG00000267497	NFE2L3P1	nuclear factor (erythroid-derived 2)-like 3 pseudogene 1	18	q21.32
ENSG00000259842	IGHV3OR16-13	immunoglobulin heavy variable 3/OR16-13 (non-functional)	16	p11.2
ENSG00000262576	PCDHGA4	protocadherin gamma subfamily A, 4	5	q31.3
ENSG00000268257	AIRN	antisense of IGF2R non-protein coding RNA	6	q25.3
ENSG00000261548	HLA-P	major histocompatibility complex, class I, P (pseudogene)	6	p22.1
ENSG00000263020	CSNK2B	Lymphocyte antigen 6 complex, locus G5B	6	p21.33
ENSG00000262209	PCDHGB3	protocadherin gamma subfamily B, 3	5	q31.3
ENSG00000261934	PCDHGA9	protocadherin gamma subfamily A, 9	5	q31.3

ENSG00000269881	ITFG3	Protein ITFG3; cDNA FLJ60496	16 p13.3
ENSG00000261832	CLN3	Battenin; CLN3 protein; Uncharacterized protein	16 p12.1
ENSG00000259997	IGHV3OR16-8	immunoglobulin heavy variable 3/OR16-8 (non-functional)	16 p11.2
ENSG00000259852	IGHV1OR16-1	immunoglobulin heavy variable 1/OR16-1 (pseudogene)	16 p11.2
ENSG00000266707	PSMD7P1	proteasome (prosome, macropain) 26S subunit, non-ATPase, 7 pseudogene 1	17 q24.1
ENSG00000269179	SIGLEC11	Sialic acid-binding Ig-like lectin 11	19 q13.33
ENSG00000264813	ACE	Angiotensin-converting enzyme; Uncharacterized protein	17 q23.3
ENSG00000264257	KIR3DP1	killer cell immunoglobulin-like receptor, three domains, pseudogene 1	19 q13.42
ENSG00000268500	SIGLEC5	Sialic acid-binding Ig-like lectin 5	19 q13.41
ENSG00000267261	RAB5C	Ras-related protein Rab-5C	17 q21.2
ENSG00000267496	FAM215A	family with sequence similarity 215, member A (non-protein coding)	17 q21.31
ENSG00000268173	PIK3R2	PIK3R2 protein	19 p13.11
ENSG00000269404	SPIB	Spi-B transcription factor (Spi-1/PU.1 related)	19 q13.33
ENSG00000263528	IKBKE	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase epsilon	1 q32.1
ENSG00000277632	CCL3	chemokine (C-C motif) ligand 3	17 q12
ENSG00000277586	NEFL	neurofilament, light polypeptide	8 p21.2
ENSG00000269335	IKBKG	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase gamma	X q28