

LAMPIRAN

Lampiran 1

DAFTAR RIWAYAT HIDUP



Data Pribadi

Nama : Khalish Arsy Al Khairy Siregar
TTL : Majalengka, 27 September 2000
Jenis Kelamin : Pria
Alamat : Jl. Usaha Tani, Gang. Sampurna No. 02 Kel. Mangkurawang, Kec. Tenggarong Kutai Kartanegara
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Pendidikan Formal

2006 – 2012 : SDIT Nurul Ilmi Tenggarong
2012 – 2015 : SMPIT Nurul 'Ilmi Tenggarong
2015 – 2018 : MAN 2 Kutai Kartanegara
2019 – 2023 : Universitas Muhammadiyah Kalimantan Timur
Fakultas Farmasi

Lampiran 2

Surat Izin Penelitian Skripsi

Lampiran II

Nomor Surat : B-596/III.9.5/TU.05.01/1/2023

Tanggal : 18 Januari 2023



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

Nomor : 769/FAR.1/C.6/C/2022
Lampiran : -
Perihal : Permohonan Ijin Penelitian Skripsi

Kepada Yth.

BRIN – PR Vaksin dan Obat

Di -

Tempat

Assalamualaikum Warahmatullahi Wabarakatuh

Bersama ini kami mengajukan permohonan kesediaan Bapak/Ibu untuk memberikan ijin penelitian di Badan Riset Inovasi Nasional - Pusat Riset Vaksin dan Obat, bagi mahasiswa/i kami:

Nama : Khalish Arsy Al Khairy Siregar
NIM : 1911102415125
Kontak: 081255238569/ arsysiregarr2000@gmail.com

Guna melaksanakan pembuatan skripsi, dengan judul:

Identifikasi Target Terapi Kurkumin Sebagai Agen Hepatoprotektor Pada Sirosis Hati Berdasarkan Pendekatan In Silico Serta Pengujian In Vitro

Demikian permohonan ini dibuat, atas bantuan dan kerjasamanya diucapkan terima kasih.

Wassalamualaikum Warahmatullahi Wabarakatuh

Samarinda, 28 Desember 2022

Ketua Program Studi S1 Farmasi

Universitas Muhammadiyah Kalimantan Timur

Ayu Mentari, M.Farm.

NIDN. 1121019201

Lampiran 3

Surat Izin Penelitian di Badan Riset Inovasi Nasional



PUSAT RISET VAKSIN DAN OBAT
Jl. Raya Jakarta – Bogor Km. 46, Cibinong, Bogor, Jawa Barat 16911
Telepon/wa: 081119333613; surel: prvo@brin.go.id
Laman: <https://www.brin.go.id>

Nomor : B-596/III.9.5/TU.05.01/1/2023 Cibinong, 18 Januari 2023
Lampiran : 1 (satu) berkas
Perihal : Izin Penelitian

Yth. Ketua Program Studi S1 Farmasi
Universitas Muhammadiyah Kalimantan Timur
di
Tempat

Sehubungan dengan surat Saudara Nomor: 769/FAR.1/C.6/C/2022 tanggal 12 Januari 2023, perihal Permohonan Izin Penelitian Skripsi atas nama:

No	Nama	NIM	Dibimbing oleh
1	Khalish Arsy Al Khairy Siregar	1911102415125	Dr. Ir. Etik Mardiyati

Dengan ini kami sampaikan bahwa kami menyetujui yang bersangkutan melaksanakan Penelitian di Kelompok Penelitian Adjuvant, Drug and Gene Delivery, Pusat Riset Vaksin dan Obat BRIN yang dilaksanakan pada **Januari s.d Juni 2023**. Sebelum melaksanakan Penelitian, ada beberapa informasi yang perlu kami sampaikan yaitu:

1. Pembimbing Mahasiswa harus mengisi topik penelitian pada layanan Elsa BRIN;
2. Mahasiswa tersebut mendaftar melalui layanan Elsa BRIN dan memilih topik yang telah di isi oleh pembimbing;
3. Mahasiswa melapor ke Koordinator Penelitian Pusat Riset Vaksin dan Obat, BRIN sebelum dan setelah pembimbingan;
4. Melengkapi semua persyaratan administratif yang sudah ditetapkan.:
 - a. Surat Keterangan sehat/bebas COVID-10 (Rapid Test/Antigen/PCR);
 - b. Surat perjanjian yang sudah ditandatangani;
 - c. Salinan transkrip nilai sampai semester terakhir;
 - d. 1 (satu) lembar pasfoto ukuran 3x4 cm;
 - e. Surat penerimaan dari pembimbing yang sudah diisi dan ditandatangani.

Pada saat melakukan penelitian, mahasiswa wajib:

1. Menggunakan masker dan atau *face shield* selama di tempat penelitian;
2. Mampu melakukan pemeriksaan Kesehatan diri sendiri dan melaporkan kepada pembimbing setiap hari. Bagi yang memiliki gejala demam/nyeri tenggorokan/batuk/pilek/sesak nafas atau suhu tubuh diatas 37.5 °C dilarang masuk ke tempat penelitian;
3. Tidak menggunakan transportasi umum;
4. Menerapkan *physical distancing*/jaga jarak:
 - Jarak anta individu di tempat penelitian minimal 1 (satu) meter;
 - Jarak bermobilitas antar individu di lingkungan penelitian minimal 1 (satu) meter; dan
 - Membatasi jumlah individu paling banyak 20% dari kapasitas ruangan.
5. Menghindari tempat keramaian atau berkerumun selama masa penelitian;
6. Menerapkan pola hidup bersih dan sehat saat di tempat tinggal, dalam perjalanan ke dan dari tempat penelitian, dan selama di tempat penelitian dengan mengikuti protokol kesehatan selama pandemi;

7. Didampingi langsung oleh peneliti pembimbing dan sesegera mungkin menyelesaikan penelitian;
8. Jika mahasiswa mengalami gejala COVID-19 harus segera melapor ke pembimbing BRIN dan Universitas serta wajib melakukan karantina mandiri atau isolasi mandiri.

Demikian pemberitahuan ini kami sampaikan. Atas perhatian dan kerjasamanya, kami ucapkan terima kasih.

Kepala Pusat Riset Vaksin dan Obat
Badan Riset dan Inovasi Nasional,



Dr. Masteria Yunovilsa Putra
NIP. 198411162015021002

Tembusan:

1. Ketua Kelompok Penelitian Adjuvant, Drug and Gene Delivery, Pusat Riset Vaksin dan Obat;
2. Sdri. Dr. Ir. Etik Mardiyati



Dokumen ini ditandatangani secara elektronik menggunakan sertifikat dari BSR-E, silahkan lakukan verifikasi pada dokumen elektronik yang dapat diunduh dengan melakukan scan QR Code

Lampiran 4

Surat Penugasan

Lampiran I

Nomor Surat : B-596/III.9.5/TU.05.01/1/2023

Tanggal : 18 Januari 2023

SURAT PENUGASAN

Yang bertanda tangan di bawah ini:

Nama : Dr. Masteria Yunovilsa Putra
NIP : 198411162015021002
Jabatan : Kepala Pusat Riset Vaksin dan Obat

Dengan ini menugaskan kepada:

Nama : Dr. Ir. Etik Mardiyati
NIP : 197109301990122001
Pangkat : Pembina Utama Madya – IV/d
Jabatan : Perakayasa Ahli Utama

Untuk membimbing Mahasiswa Penelitian dari Universitas Muhammadiyah Kalimantan Timur, atas nama Khalish Arsy Al Khairy Siregar bertempat di Kelompok Riset Adjuvant, Drug and Gene Delivery, Pusat Riset Vaksin dan Obat BRIN.

Demikian surat penugasan ini dibuat agar dapat dilaksanakan sebagaimana mestinya.

Cibinong, 18 Januari 2023
Kepala Pusat Riset Vaksin dan Obat



Dr. Masteria Yunovilsa Putra

Lampiran 5

Interaksi Senyawa Kurkumin pada Protein berdasarkan webserver

Simbol Protein	TargetNet	Simbol Protein	Pharmammapper	Simbol Protein	SwissTarget
HDAC8	Histone deacetylase 8	PNP	Purine Nucleoside Phosphorylase	MAOA	Monoamine Oxidase A
PTPN1	Tyrosine-protein phosphatase non-receptor type 1	CHEK1	Serine/Threonine-Protein Kinase Chk1	APP	Beta Amyloid A4 Protein
PTGS2	Prostaglandin G/H synthase 2	GSTP1	Glutathione S-Transferase P	EP300	Histone Acetyltransferase P300
AKR1B1	Aldose reductase	CA2	Carbonic Anhydrase 2	PTGES	Toll-Like Receptor (Tlr7/Tlr9)
TUBB2B	Tubulin beta-2B chain	EGFR	Epidermal Growth Factor Receptor		
DUSP3	Dual specificity protein phosphatase 3	ESR1	Estrogen Receptor		
RELA	Transcription factor p65	CDK2	Cell Division Protein Kinase 2		
CA5A	Carbonic anhydrase 5A, mitochondrial	BACE1	Beta-Secretase 1		
ICAM1	Intercellular adhesion molecule 1	ESR2	Estrogen Receptor Beta		

APP	Amyloid beta A4 protein	MAPK10	Mitogen-Activated Protein Kinase 10
MAOB	Amine oxidase [flavin-containing] B	CTSD	Cathepsin D
CA12	Carbonic anhydrase 12	PAK6	Serine/Threonine -Protein Kinase 6
CA14	Carbonic anhydrase 14	PIM1	Proto-Oncogene Serine/Threonine -Protein Kinase Pim-1
NOS2	Nitric oxide synthase, inducible	CA1	Carbonic Anhydrase 1
MAOA	Amine oxidase [flavin-containing] A	CSR	Glutathione Reductase, Mitochondrial
PTGS1	Prostaglandin G/H synthase 1	CHIT1	Chitotriosidase-1
ACHE	Acetylcholinesterase	PDPK1	3-Phosphoinositide -Dependent Protein Kinase 1
MIF	Macrophage migration inhibitory factor	PPARG	Peroxisome Proliferator-Activated Receptor Gamma
LACC1	Polyphenol oxidase 2	MAPK8	Mitogen-Activated Protein Kinase 8

ALOX15	Arachidonate 15-lipoxygenase	PDE4D	Camp-Specific 3,5-Cyclic Phosphodiesterase 4d
HDAC1	Histone deacetylase 1	MTAP	S-Methyl-5- Thioadenosine Phosphorylase
CTDSP1	Carboxy-terminal domain RNA polymerase II polypeptide A small phosphatase 1	ANXA5	Annexin A5
PLIN5	Perilipin-5	PAH	Phenylalanine-4- Hydroxylase
AHR	Aryl hydrocarbon receptor	PLK1	Serine/Threonine -Protein Kinase Plk1
APOBEC3A	apolipoprotein B mRNA editing enzyme catalytic subunit 3A	MAPK14	Mitogen- Activated Protein Kinase 14
HNF4A	Hepatocyte nuclear factor 4-alpha	PDE4B	Camp-Specific 3,5-Cyclic Phosphodiesterase 4b
HDAC4	Histone deacetylase 4	TGFBR1	Tgf-Beta Receptor Type-1
MMP9	Matrix metalloproteinase-9	RXRA	Retinoic Acid Receptor Rxr- Alpha

BCL2A1	Bcl-2-related protein A1	NMNAT3	Nicotinamide Mononucleotide Adenylyltransferase 3
ABCG2	ATP-binding cassette sub-family G member 2	TM	Transthyretin
CA7	Carbonic anhydrase 7	SORD	Sorbitol Dehydrogenase
GPR35	G-protein coupled receptor 35	MTHFD1	C-1- Tetrahydrofolate Synthase, Cytoplasmic
		HSP90AA1	Heat Shock Protein Hsp 90- Alpha
HSD17B1	Estradiol 17-beta-dehydrogenase 1	BMP7	Bone Morphogenetic Protein 7
TUBA1A	Tubulin alpha-1A chain	SHBG	Sex Hormone- Binding Globulin
PLIN1	Perilipin-1	NQO1	Nad(P)H Dehydrogenase [Quinone] 1
ALOX5	Arachidonate 5-lipoxygenase	ESRRG	Estrogen-Related Receptor Gamma
RIPK2	Receptor-interacting serine/threonine-protein kinase 2	F2	Prothrombin

CA13	Carbonic anhydrase 13	KDR	Vascular Endothelial Growth Factor Receptor 2
HDAC6	Histone deacetylase 6	MMP13	Collagenase 3
CA5B	Carbonic anhydrase 5B, mitochondrial	AKR1C3	Aldo-Keto Reductase Family 1 Member C3
CA4	Carbonic anhydrase 4	CCNA2	Cyclin-A2
CA6	Carbonic anhydrase 6		Seprase
TLR9	Toll-like receptor 9	AR	Androgen Receptor
HSD17B3	Testosterone 17-beta-dehydrogenase 3	CSNK1G2	Casein Kinase I Isoform Gamma-2
CYP1A2	Cytochrome P450 1A2	RAC	Rac-Alpha Serine/Threonine -Protein Kinase
CA9	Carbonic anhydrase 9	BRAF	B-Raf Proto-Oncogene Serine/Threonine -Protein Kinase
RARA	Retinoic acid receptor alpha	PLAU	Urokinase-Type Plasminogen Activator
HDAC3	Histone deacetylase 3	ARF1	Adp-Ribosylation Factor 1

NR2F2	COUP transcription factor 2	KIF11	Kinesin-Like Protein Kif11
HDAC2	Histone deacetylase 2	SRC	Proto-Oncogene Tyrosine-Protein Kinase Src
DNMT1	DNA (cytosine-5)-methyltransferase 1	ARHGAP1	Rho Gtpase-Activating Protein 1
RARG	Retinoic acid receptor gamma	AZGP1	Zinc-Alpha-2-Glycoprotein
SERPINE1	Plasminogen activator inhibitor 1		
LTB4R	Leukotriene B4 receptor 1		
ALPL	Alkaline phosphatase, tissue-nonspecific isozyme		
CDC25B	M-phase inducer phosphatase 2		
PTPN22	Tyrosine-protein phosphatase non-receptor type 22		
CYP19A1	Aromatase		
APOBEC3G	apolipoprotein B mRNA editing enzyme catalytic subunit 3G		
IMPDH2	Inosine-5'-monophosphate dehydrogenase 2		
PDE4B	cAMP-specific 3',5'-cyclic phosphodiesterase 4B		
ITGAL	Integrin alpha-L		
MAP2	Methionine aminopeptidase 2		
NR1H4	Bile acid receptor		

HTR1E	5-hydroxytryptamine receptor 1E
HTR6	5-hydroxytryptamine receptor 6
RARB	Retinoic acid receptor beta
PTPN2	Tyrosine-protein phosphatase non-receptor type 2
CACNA1B	calcium voltage-gated channel subunit alpha1 B
CASP9	Caspase-9
PLA2G1B	Phospholipase A2
PIM1	Serine/threonine-protein kinase pim-1
HTR2C	5-hydroxytryptamine receptor 2C
RORA	Nuclear receptor ROR-alpha
CYP2C19	Cytochrome P450 2C19

Lampiran 6

Database protein Sirosis Hati berdasarkan Webserver Genecard

Gene Symbol	GeneCard (Keyword: Hepatic Cirrhosis)
GBE1	1,4-Alpha-Glucan Branching Enzyme 1
LIPC	Lipase C, Hepatic Type
HFE	Homeostatic Iron Regulator
NPHP3	Nephrocystin 3
GPT	Glutamic--Pyruvic Transaminase
SP110	SP110 Nuclear Body Protein
ALB	Albumin
KRT18	Keratin 18
KRT8	Keratin 8
UTP4	UTP4 Small Subunit Processome Component
F2	Coagulation Factor II, Thrombin
TNF	Tumor Necrosis Factor
TP53	Tumor Protein P53
IFNG	Interferon Gamma
AFP	Alpha Fetoprotein
SERPINA1	Serpin Family A Member 1
SLC17A5	Solute Carrier Family 17 Member 5
MAT1A	Methionine Adenosyltransferase 1A
SLC30A10	Solute Carrier Family 30 Member 10
IFNA1	Interferon Alpha 1
RBCK1	RANBP2-Type And C3HC4-Type Zinc Finger Containing 1

PKHD1	PKHD1 Ciliary IPT Domain Containing Fibrocystin/Polyductin
TGFB1	Transforming Growth Factor Beta 1
SP140	SP140 Nuclear Body Protein
HAMP	Hepcidin Antimicrobial Peptide
IL6	Interleukin 6
HLA-DRB1	Major Histocompatibility Complex, Class II, DR Beta 1
ABCB4	ATP Binding Cassette Subfamily B Member 4
NR1H4	Nuclear Receptor Subfamily 1 Group H Member 4
CTNNB1	Catenin Beta 1
TERT	Telomerase Reverse Transcriptase
IFNL3	Interferon Lambda 3
ABCB11	ATP Binding Cassette Subfamily B Member 11
HJV	Hemojuvelin BMP Co-Receptor
HNF1A	HNF1 Homeobox A
PIK3CA	Phosphatidylinositol-4,5-Bisphosphate 3-Kinase Catalytic Subunit Alpha
IL10	Interleukin 10
GGT1	Gamma-Glutamyltransferase 1
FARSB	Phenylalanyl-TRNA Synthetase Subunit Beta
IL12A	Interleukin 12A
F5	Coagulation Factor V
MET	MET Proto-Oncogene, Receptor Tyrosine Kinase
TMEM67	Transmembrane Protein 67
SLC40A1	Solute Carrier Family 40 Member 1
JAK2	Janus Kinase 2
IL12RB1	Interleukin 12 Receptor Subunit Beta 1

ATP7B	ATPase Copper Transporting Beta
IRF5	Interferon Regulatory Factor 5
INS	Insulin
CYP2E1	Cytochrome P450 Family 2 Subfamily E Member 1
HNF4A	Hepatocyte Nuclear Factor 4 Alpha
CC2D2A	Coiled-Coil And C2 Domain Containing 2A
RPGRIP1L	RPGRIP1 Like
APOE	Apolipoprotein E
TFR2	Transferrin Receptor 2
POLG	DNA Polymerase Gamma, Catalytic Subunit
TNPO3	Transportin 3
APC	APC Regulator Of WNT Signaling Pathway
TNFSF15	TNF Superfamily Member 15
GYS2	Glycogen Synthase 2
SPIB	Spi-B Transcription Factor
CASP8	Caspase 8
POU2AF1	POU Class 2 Homeobox Associating Factor 1
LIPA	Lipase A, Lysosomal Acid Type
IFNA2	Interferon Alpha 2
PNPLA3	Patatin Like Phospholipase Domain Containing 3
MMEL1	Membrane Metalloendopeptidase Like 1
ALAD	Aminolevulinatase Dehydratase
AXIN1	Axin 1
CALR	Calreticulin
LBR	Lamin B Receptor

DLAT	Dihydrolipoamide S-Acetyltransferase
CXCL8	C-X-C Motif Chemokine Ligand 8
IL1B	Interleukin 1 Beta
CDKN3	Cyclin Dependent Kinase Inhibitor 3
TLR4	Toll Like Receptor 4
SLC25A13	Solute Carrier Family 25 Member 13
IGF2R	Insulin Like Growth Factor 2 Receptor
CTLA4	Cytotoxic T-Lymphocyte Associated Protein 4
UROD	Uroporphyrinogen Decarboxylase
SERPINC1	Serpin Family C Member 1
LMNA	Lamin A/C
CCR5	C-C Motif Chemokine Receptor 5
STAT3	Signal Transducer And Activator Of Transcription 3
FAH	Fumarylacetoacetate Hydrolase
PHKG2	Phosphorylase Kinase Catalytic Subunit Gamma 2
TJP2	Tight Junction Protein 2
PDGFRL	Platelet Derived Growth Factor Receptor Like
MPV17	Mitochondrial Inner Membrane Protein MPV17
DCDC2	Doublecortin Domain Containing 2
HGF	Hepatocyte Growth Factor
RSF1	Remodeling And Spacing Factor 1
HAVCR1	Hepatitis A Virus Cellular Receptor 1
PPARG	Peroxisome Proliferator Activated Receptor Gamma
CD40LG	CD40 Ligand
HSD3B7	Hydroxy-Delta-5-Steroid Dehydrogenase, 3 Beta- And Steroid Delta-Isomerase 7

ATP8B1	ATPase Phospholipid Transporting 8B1
HLA-B	Major Histocompatibility Complex, Class I, B
SLC10A1	Solute Carrier Family 10 Member 1
PKD1	Polycystin 1, Transient Receptor Potential Channel Interacting
HAVCR2	Hepatitis A Virus Cellular Receptor 2
SEPSECS	Sep (O-Phosphoserine) TRNA:Sec (Selenocysteine) TRNA Synthase
PTPRC	Protein Tyrosine Phosphatase Receptor Type C
HMOX1	Heme Oxygenase 1
HLA-DQB1	Major Histocompatibility Complex, Class II, DQ Beta 1
SLCO1B1	Solute Carrier Organic Anion Transporter Family Member 1B1
DGUOK	Deoxyguanosine Kinase
CAV1	Caveolin 1
HEPACAM	Hepatic And Glial Cell Adhesion Molecule
CYP3A4	Cytochrome P450 Family 3 Subfamily A Member 4
LEP	Leptin
PHKA2	Phosphorylase Kinase Regulatory Subunit Alpha 2
MTUS1	Microtubule Associated Scaffold Protein 1
FAS	Fas Cell Surface Death Receptor
ASGR2	Asialoglycoprotein Receptor 2
TF	Transferrin
KRT19	Keratin 19
F3	Coagulation Factor III, Tissue Factor
HLA-A	Major Histocompatibility Complex, Class I, A
NFKB1	Nuclear Factor Kappa B Subunit 1
LAMTOR5	Late Endosomal/Lysosomal Adaptor, MAPK And MTOR Activator 5

CP	Ceruloplasmin
CPT2	Carnitine Palmitoyltransferase 2
JAG1	Jagged Canonical Notch Ligand 1
IL2	Interleukin 2
INPP5E	Inositol Polyphosphate-5-Phosphatase E
IFNL4	Interferon Lambda 4 (Gene/Pseudogene)
FASLG	Fas Ligand
VEGFA	Vascular Endothelial Growth Factor A
IL18BP	Interleukin 18 Binding Protein
ALDH2	Aldehyde Dehydrogenase 2 Family Member
PI4KA	Phosphatidylinositol 4-Kinase Alpha
POLG2	DNA Polymerase Gamma 2, Accessory Subunit
EIF2AK2	Eukaryotic Translation Initiation Factor 2 Alpha Kinase 2
FADD	Fas Associated Via Death Domain
IFNAR2	Interferon Alpha And Beta Receptor Subunit 2
CD81	CD81 Molecule
AIP	Aryl Hydrocarbon Receptor Interacting Protein
BMP2	Bone Morphogenetic Protein 2
CEP290	Centrosomal Protein 290
MTTP	Microsomal Triglyceride Transfer Protein
ADIPOQ	Adiponectin, C1Q And Collagen Domain Containing
ASS1	Argininosuccinate Synthase 1
SST	Somatostatin
BCS1L	BCS1 Homolog, Ubiquinol-Cytochrome C Reductase Complex Chaperone
ABCC2	ATP Binding Cassette Subfamily C Member 2

SCARB1	Scavenger Receptor Class B Member 1
TIMP1	TIMP Metallopeptidase Inhibitor 1
TALDO1	Transaldolase 1
ALPP	Alkaline Phosphatase, Placental
APOB	Apolipoprotein B
TLR3	Toll Like Receptor 3
HP	Haptoglobin
SOCS1	Suppressor Of Cytokine Signaling 1
IL4	Interleukin 4
MST1	Macrophage Stimulating 1
MBL2	Mannose Binding Lectin 2
CFTR	CF Transmembrane Conductance Regulator
IL18	Interleukin 18
CRP	C-Reactive Protein
ASGR1	Asialoglycoprotein Receptor 1
MTHFR	Methylenetetrahydrofolate Reductase
ENG	Endoglin
GSTM1	Glutathione S-Transferase Mu 1
FOXP3	Forkhead Box P3
MMP9	Matrix Metallopeptidase 9
JAK1	Janus Kinase 1
AKR1D1	Aldo-Keto Reductase Family 1 Member D1
CYP1A2	Cytochrome P450 Family 1 Subfamily A Member 2
TNFRSF1A	TNF Receptor Superfamily Member 1A
CXCL10	C-X-C Motif Chemokine Ligand 10

ALAS2	5'-Aminolevulinate Synthase 2
PKD2	Polycystin 2, Transient Receptor Potential Cation Channel
HNF1B	HNF1 Homeobox B
EDN1	Endothelin 1
SERPINE1	Serpin Family E Member 1
FECH	Ferrochelatase
ABCB7	ATP Binding Cassette Subfamily B Member 7
IRF3	Interferon Regulatory Factor 3
TFAM	Transcription Factor A, Mitochondrial
SEMA4D	Semaphorin 4D
TCF4	Transcription Factor 4
SMAD4	SMAD Family Member 4
TREX1	Three Prime Repair Exonuclease 1
RANBP2	RAN Binding Protein 2
UGT1A1	UDP Glucuronosyltransferase Family 1 Member A1
STAT1	Signal Transducer And Activator Of Transcription 1
TTR	Transthyretin
SKIV2L	Ski2 Like RNA Helicase
TLR2	Toll Like Receptor 2
NR5A2	Nuclear Receptor Subfamily 5 Group A Member 2
BCL2	BCL2 Apoptosis Regulator
EGF	Epidermal Growth Factor
G6PC1	Glucose-6-Phosphatase Catalytic Subunit 1
PNKD	PNKD Metallo-Beta-Lactamase Domain Containing
TYK2	Tyrosine Kinase 2

HLA-DQA1	Major Histocompatibility Complex, Class II, DQ Alpha 1
DDX3X	DEAD-Box Helicase 3 X-Linked
EDAR	Ectodysplasin A Receptor
CPT1A	Carnitine Palmitoyltransferase 1A
GPR35	G Protein-Coupled Receptor 35
MX1	MX Dynamin Like GTPase 1
TYMP	Thymidine Phosphorylase
DDX58	DExD/H-Box Helicase 58
GLIS3	GLIS Family Zinc Finger 3
INSL6	Insulin Like 6
RLBP1	Retinaldehyde Binding Protein 1
XIAP	X-Linked Inhibitor Of Apoptosis
MYC	MYC Proto-Oncogene, BHLH Transcription Factor
BSCL2	BSCL2 Lipid Droplet Biogenesis Associated, Seipin
LPL	Lipoprotein Lipase
CYP2D6	Cytochrome P450 Family 2 Subfamily D Member 6
TTC37	Tetratricopeptide Repeat Domain 37
HADHA	Hydroxyacyl-CoA Dehydrogenase Trifunctional Multienzyme Complex Subunit Alpha
KRT7	Keratin 7
MARS1	Methionyl-TRNA Synthetase 1
APOA1	Apolipoprotein A1
GPC3	Glypican 3
INSR	Insulin Receptor
IFNB1	Interferon Beta 1
FANCI	FA Complementation Group I

YARS1	Tyrosyl-TRNA Synthetase 1
WDR19	WD Repeat Domain 19
ALMS1	ALMS1 Centrosome And Basal Body Associated Protein
REN	Renin
ABCB1	ATP Binding Cassette Subfamily B Member 1
SMAD3	SMAD Family Member 3
GOLM1	Golgi Membrane Protein 1
MAPK8	Mitogen-Activated Protein Kinase 8
MAPK1	Mitogen-Activated Protein Kinase 1
ADAR	Adenosine Deaminase RNA Specific
CCL2	C-C Motif Chemokine Ligand 2
ADH1B	Alcohol Dehydrogenase 1B (Class I), Beta Polypeptide
AGL	Amylo-Alpha-1, 6-Glucosidase, 4-Alpha-Glucanotransferase
TGFBR1	Transforming Growth Factor Beta Receptor 1
IFT140	Intraflagellar Transport 140
HBB	Hemoglobin Subunit Beta
NR1I2	Nuclear Receptor Subfamily 1 Group I Member 2
VDR	Vitamin D Receptor
IGF1	Insulin Like Growth Factor 1
CD79A	CD79a Molecule
NOTCH1	Notch Receptor 1
HMBS	Hydroxymethylbilane Synthase
CXCL12	C-X-C Motif Chemokine Ligand 12
HLA-C	Major Histocompatibility Complex, Class I, C
RBP4	Retinol Binding Protein 4

IFIH1	Interferon Induced With Helicase C Domain 1
THPO	Thrombopoietin
ALDOB	Aldolase, Fructose-Bisphosphate B
PSMA7	Proteasome 20S Subunit Alpha 7
ARG1	Arginase 1
KIF12	Kinesin Family Member 12
AGPAT2	1-Acylglycerol-3-Phosphate O-Acyltransferase 2
APOBEC3G	Apolipoprotein B mRNA Editing Enzyme Catalytic Subunit 3G
RETN	Resistin
TSC2	TSC Complex Subunit 2
EGFR	Epidermal Growth Factor Receptor
MMP1	Matrix Metalloproteinase 1
GSTP1	Glutathione S-Transferase Pi 1
SOD2	Superoxide Dismutase 2
AIRE	Autoimmune Regulator
GRB2	Growth Factor Receptor Bound Protein 2
ACVRL1	Activin A Receptor Like Type 1
CLEC4M	C-Type Lectin Domain Family 4 Member M
NPPA	Natriuretic Peptide A
CCN2	Cellular Communication Network Factor 2
RARB	Retinoic Acid Receptor Beta
CCDC85B	Coiled-Coil Domain Containing 85B
SLC11A2	Solute Carrier Family 11 Member 2
CYP7B1	Cytochrome P450 Family 7 Subfamily B Member 1
CAVIN1	Caveolae Associated Protein 1

CYP7A1	Cytochrome P450 Family 7 Subfamily A Member 1
CYP2A6	Cytochrome P450 Family 2 Subfamily A Member 6
MAVS	Mitochondrial Antiviral Signaling Protein
NOS2	Nitric Oxide Synthase 2
MPI	Mannose Phosphate Isomerase
MMP2	Matrix Metalloproteinase 2
UGT1A7	UDP Glucuronosyltransferase Family 1 Member A7
ACE	Angiotensin I Converting Enzyme
NPM1	Nucleophosmin 1
AKR1A1	Aldo-Keto Reductase Family 1 Member A1
IL17A	Interleukin 17A
CLDN1	Claudin 1
IGFBP3	Insulin Like Growth Factor Binding Protein 3
ADH1C	Alcohol Dehydrogenase 1C (Class I), Gamma Polypeptide
CPOX	Coproporphyrinogen Oxidase
CCL5	C-C Motif Chemokine Ligand 5
PDCD1	Programmed Cell Death 1
IKBKG	Inhibitor Of Nuclear Factor Kappa B Kinase Regulatory Subunit Gamma
MKS1	MKS Transition Zone Complex Subunit 1
IL21R	Interleukin 21 Receptor
LEPR	Leptin Receptor
NFE2L2	NFE2 Like BZIP Transcription Factor 2
TM6SF2	Transmembrane 6 Superfamily Member 2
PRMT7	Protein Arginine Methyltransferase 7
CCR6	C-C Motif Chemokine Receptor 6

PYGL	Glycogen Phosphorylase L
HADHB	Hydroxyacyl-CoA Dehydrogenase Trifunctional Multienzyme Complex Subunit Beta
AKT1	AKT Serine/Threonine Kinase 1
FGF2	Fibroblast Growth Factor 2
SLC4A2	Solute Carrier Family 4 Member 2
EPO	Erythropoietin
MYO5B	Myosin VB
TMEM216	Transmembrane Protein 216
CASP3	Caspase 3
IFI27	Interferon Alpha Inducible Protein 27
ICAM1	Intercellular Adhesion Molecule 1
JUN	Jun Proto-Oncogene, AP-1 Transcription Factor Subunit
SOD1	Superoxide Dismutase 1
PPOX	Protoporphyrinogen Oxidase
PTGS2	Prostaglandin-Endoperoxide Synthase 2
NR1I3	Nuclear Receptor Subfamily 1 Group I Member 3
SPP1	Secreted Phosphoprotein 1
TRMU	TRNA Mitochondrial 2-Thiouridylase
CDKN1A	Cyclin Dependent Kinase Inhibitor 1A
CYP1A1	Cytochrome P450 Family 1 Subfamily A Member 1
STEAP3	STEAP3 Metalloreductase
LMBRD1	LMBR1 Domain Containing 1
ABHD5	Abhydrolase Domain Containing 5, Lysophosphatidic Acid Acyltransferase
MPO	Myeloperoxidase
LDLR	Low Density Lipoprotein Receptor

PPARA	Peroxisome Proliferator Activated Receptor Alpha
ATG5	Autophagy Related 5
BGLAP	Bone Gamma-Carboxyglutamate Protein
NOS3	Nitric Oxide Synthase 3
TTC26	Tetratricopeptide Repeat Domain 26
ATG7	Autophagy Related 7
CDKN2A	Cyclin Dependent Kinase Inhibitor 2A
VWF	Von Willebrand Factor
IFITM3	Interferon Induced Transmembrane Protein 3
CD4	CD4 Molecule
GLUL	Glutamate-Ammonia Ligase
VIPR1	Vasoactive Intestinal Peptide Receptor 1
IFNAR1	Interferon Alpha And Beta Receptor Subunit 1
TCTN2	Tectonic Family Member 2
IRF7	Interferon Regulatory Factor 7
GBA	Glucosylceramidase Beta
CLDN6	Claudin 6
SLC2A1	Solute Carrier Family 2 Member 1
DNMT1	DNA Methyltransferase 1
CCDC115	Coiled-Coil Domain Containing 115
SERPINA3	Serpin Family A Member 3
BMP6	Bone Morphogenetic Protein 6
FOS	Fos Proto-Oncogene, AP-1 Transcription Factor Subunit
TMEM231	Transmembrane Protein 231
HADH	Hydroxyacyl-CoA Dehydrogenase

CLDN9	Claudin 9
ABCC3	ATP Binding Cassette Subfamily C Member 3
NAT2	N-Acetyltransferase 2
HM13	Histocompatibility Minor 13
STAT4	Signal Transducer And Activator Of Transcription 4
NHP2	NHP2 Ribonucleoprotein
CREB1	CAMP Responsive Element Binding Protein 1
GFER	Growth Factor, Augmenter Of Liver Regeneration
WDR35	WD Repeat Domain 35
ADAMTS13	ADAM Metallopeptidase With Thrombospondin Type 1 Motif 13
MRC1	Mannose Receptor C-Type 1
SMPD1	Sphingomyelin Phosphodiesterase 1
CDH1	Cadherin 1
HIF1A	Hypoxia Inducible Factor 1 Subunit Alpha
UGT1A9	UDP Glucuronosyltransferase Family 1 Member A9
CD36	CD36 Molecule
CCND1	Cyclin D1
MT-ATP6	Mitochondrially Encoded ATP Synthase Membrane Subunit 6
BAX	BCL2 Associated X, Apoptosis Regulator
BIRC5	Baculoviral IAP Repeat Containing 5
CD34	CD34 Molecule
GNMT	Glycine N-Methyltransferase
KRAS	KRAS Proto-Oncogene, GTPase
PHKB	Phosphorylase Kinase Regulatory Subunit Beta
RRM2B	Ribonucleotide Reductase Regulatory TP53 Inducible Subunit M2B

CPD	Carboxypeptidase D
PIGA	Phosphatidylinositol Glycan Anchor Biosynthesis Class A
SLCO1B3	Solute Carrier Organic Anion Transporter Family Member 1B3
IL1A	Interleukin 1 Alpha
APOH	Apolipoprotein H
MTOR	Mechanistic Target Of Rapamycin Kinase
DPP4	Dipeptidyl Peptidase 4
B9D1	B9 Domain Containing 1
TSPO	Translocator Protein
AHSG	Alpha 2-HS Glycoprotein
TTC7A	Tetratricopeptide Repeat Domain 7A
LCN2	Lipocalin 2
SIRT1	Sirtuin 1
GAPDH	Glyceraldehyde-3-Phosphate Dehydrogenase
SKP2	S-Phase Kinase Associated Protein 2
GDF2	Growth Differentiation Factor 2
HLA-DPB1	Major Histocompatibility Complex, Class II, DP Beta 1
OCLN	Occludin
B9D2	B9 Domain Containing 2
PCSK9	Proprotein Convertase Subtilisin/Kexin Type 9
TMEM237	Transmembrane Protein 237
DDB1	Damage Specific DNA Binding Protein 1
ATRIP	ATR Interacting Protein
NUP210	Nucleoporin 210
THBD	Thrombomodulin

IFNGR1	Interferon Gamma Receptor 1
TFRC	Transferrin Receptor
TINF2	TERF1 Interacting Nuclear Factor 2
PTPN22	Protein Tyrosine Phosphatase Non-Receptor Type 22
CEACAM3	CEA Cell Adhesion Molecule 3
PTMA	Prothymosin Alpha
SOCS3	Suppressor Of Cytokine Signaling 3
CHI3L1	Chitinase 3 Like 1
HLF	HLF Transcription Factor, PAR BZIP Family Member
NPC1	NPC Intracellular Cholesterol Transporter 1
TWINK	Twinkle MtDNA Helicase
SREBF1	Sterol Regulatory Element Binding Transcription Factor 1
UGT1A10	UDP Glucuronosyltransferase Family 1 Member A10
IL6R	Interleukin 6 Receptor
CYP2C9	Cytochrome P450 Family 2 Subfamily C Member 9
CD209	CD209 Molecule
KIF3B	Kinesin Family Member 3B
ACADM	Acyl-CoA Dehydrogenase Medium Chain
UGT1A4	UDP Glucuronosyltransferase Family 1 Member A4
SLC2A2	Solute Carrier Family 2 Member 2
RAF1	Raf-1 Proto-Oncogene, Serine/Threonine Kinase
DLD	Dihydrolipoamide Dehydrogenase
SP100	SP100 Nuclear Antigen
TNFAIP3	TNF Alpha Induced Protein 3
UGT1A6	UDP Glucuronosyltransferase Family 1 Member A6

FGB	Fibrinogen Beta Chain
LBP	Lipopolysaccharide Binding Protein
MAPK14	Mitogen-Activated Protein Kinase 14
PLAT	Plasminogen Activator, Tissue Type
CHUK	Component Of Inhibitor Of Nuclear Factor Kappa B Kinase Complex
OTC	Ornithine Transcarbamylase
SLC11A1	Solute Carrier Family 11 Member 1
OFD1	OFD1 Centriole And Centriolar Satellite Protein
TPMT	Thiopurine S-Methyltransferase
GIMAP5	GTPase, IMAP Family Member 5
IL7R	Interleukin 7 Receptor
MIF	Macrophage Migration Inhibitory Factor
CSF3	Colony Stimulating Factor 3
TGFA	Transforming Growth Factor Alpha
PPARGC1A	PPARG Coactivator 1 Alpha
CHIT1	Chitinase 1
OGDH	Oxoglutarate Dehydrogenase
RNF31	Ring Finger Protein 31
NOP10	NOP10 Ribonucleoprotein
SLPI	Secretory Leukocyte Peptidase Inhibitor
IFT43	Intraflagellar Transport 43
NPHP1	Nephrocystin 1
FGF19	Fibroblast Growth Factor 19
LIPE	Lipase E, Hormone Sensitive Type
EIF2AK3	Eukaryotic Translation Initiation Factor 2 Alpha Kinase 3

TLR9	Toll Like Receptor 9
SLC51A	Solute Carrier Family 51 Subunit Alpha
TNFSF10	TNF Superfamily Member 10
FASN	Fatty Acid Synthase
COG6	Component Of Oligomeric Golgi Complex 6
AGTR1	Angiotensin II Receptor Type 1
SURF1	SURF1 Cytochrome C Oxidase Assembly Factor
B2M	Beta-2-Microglobulin
COL1A1	Collagen Type I Alpha 1 Chain
PDHX	Pyruvate Dehydrogenase Complex Component X
ATM	ATM Serine/Threonine Kinase
VIPAS39	VPS33B Interacting Protein, Apical-Basolateral Polarity Regulator, Spe-39 Homolog
GAA	Alpha Glucosidase
MAPK3	Mitogen-Activated Protein Kinase 3
PLIN2	Perilipin 2
IL1RN	Interleukin 1 Receptor Antagonist
URGCP	Upregulator Of Cell Proliferation
IGF2	Insulin Like Growth Factor 2
BRCA1	BRCA1 DNA Repair Associated
SRC	SRC Proto-Oncogene, Non-Receptor Tyrosine Kinase
IRS1	Insulin Receptor Substrate 1
VIM	Vimentin
LARS1	Leucyl-TRNA Synthetase 1
TCTN3	Tectonic Family Member 3
TCTN1	Tectonic Family Member 1

AQP2	Aquaporin 2
AGK	Acylglycerol Kinase
CSPP1	Centrosome And Spindle Pole Associated Protein 1
DKC1	Dyskerin Pseudouridine Synthase 1
GCK	Glucokinase
IL2RA	Interleukin 2 Receptor Subunit Alpha
CYP2C19	Cytochrome P450 Family 2 Subfamily C Member 19
MMP3	Matrix Metalloproteinase 3
GSTT1	Glutathione S-Transferase Theta 1
NR1H2	Nuclear Receptor Subfamily 1 Group H Member 2
SLC22A5	Solute Carrier Family 22 Member 5
GLRX5	Glutaredoxin 5
DLL4	Delta Like Canonical Notch Ligand 4
GC	GC Vitamin D Binding Protein
ATP6AP1	ATPase H ⁺ Transporting Accessory Protein 1
IQCB1	IQ Motif Containing B1
HSPA5	Heat Shock Protein Family A (Hsp70) Member 5
BCL2L1	BCL2 Like 1
IREB2	Iron Responsive Element Binding Protein 2
TBC1D20	TBC1 Domain Family Member 20
DNAJB11	DnaJ Heat Shock Protein Family (Hsp40) Member B11
COG4	Component Of Oligomeric Golgi Complex 4
FABP1	Fatty Acid Binding Protein 1
HRAS	HRas Proto-Oncogene, GTPase
ITPA	Inosine Triphosphatase

PARN	Poly(A)-Specific Ribonuclease
SPCS1	Signal Peptidase Complex Subunit 1
HMGB1	High Mobility Group Box 1
ISG20	Interferon Stimulated Exonuclease Gene 20
NR0B2	Nuclear Receptor Subfamily 0 Group B Member 2
TXNDC15	Thioredoxin Domain Containing 15
TICAM1	TIR Domain Containing Adaptor Molecule 1
CAT	Catalase
FTH1	Ferritin Heavy Chain 1
HMGCR	3-Hydroxy-3-Methylglutaryl-CoA Reductase
CCL20	C-C Motif Chemokine Ligand 20
MED12	Mediator Complex Subunit 12
RELA	RELA Proto-Oncogene, NF-KB Subunit
WRAP53	WD Repeat Containing Antisense To TP53
PCNA	Proliferating Cell Nuclear Antigen
IL12RB2	Interleukin 12 Receptor Subunit Beta 2
GLS	Glutaminase
PMM2	Phosphomannomutase 2
IL10RB	Interleukin 10 Receptor Subunit Beta
PRKCB	Protein Kinase C Beta
ANGPT2	Angiopoietin 2
CD58	CD58 Molecule
RUNX3	RUNX Family Transcription Factor 3
NPY	Neuropeptide Y
TBK1	TANK Binding Kinase 1

SAMHD1	SAM And HD Domain Containing Deoxynucleoside Triphosphate Triphosphohydrolase 1
MT-CYB	Mitochondrially Encoded Cytochrome B
CYCS	Cytochrome C, Somatic
MKI67	Marker Of Proliferation Ki-67
DEPDC5	DEP Domain Containing 5, GATOR1 Subcomplex Subunit
ADM	Adrenomedullin
ABCA1	ATP Binding Cassette Subfamily A Member 1
MYD88	MYD88 Innate Immune Signal Transduction Adaptor
RB1	RB Transcriptional Corepressor 1
CIDEA	Cell Death Inducing DFFA Like Effector C
CETP	Cholesteryl Ester Transfer Protein
PRKCSH	Protein Kinase C Substrate 80K-H
RTEL1	Regulator Of Telomere Elongation Helicase 1
CBS	Cystathionine Beta-Synthase
MDM2	MDM2 Proto-Oncogene
GPD1	Glycerol-3-Phosphate Dehydrogenase 1
SEC63	SEC63 Homolog, Protein Translocation Regulator
PEX6	Peroxisomal Biogenesis Factor 6
HSPA4	Heat Shock Protein Family A (Hsp70) Member 4
GANAB	Glucosidase II Alpha Subunit
AGT	Angiotensinogen
VCAM1	Vascular Cell Adhesion Molecule 1
FGA	Fibrinogen Alpha Chain
SLC10A2	Solute Carrier Family 10 Member 2
SMAD2	SMAD Family Member 2

PDP1	Pyruvate Dehydrogenase Phosphatase Catalytic Subunit 1
PLIN1	Perilipin 1
INVS	Inversin
TAP2	Transporter 2, ATP Binding Cassette Subfamily B Member
APOC3	Apolipoprotein C3
FUNDC2	FUN14 Domain Containing 2
PRKCD	Protein Kinase C Delta
NBAS	NBAS Subunit Of NRZ Tethering Complex
PSMB8	Proteasome 20S Subunit Beta 8
PEX1	Peroxisomal Biogenesis Factor 1
NHLRC1	NHL Repeat Containing E3 Ubiquitin Protein Ligase 1
PNPLA2	Patatin Like Phospholipase Domain Containing 2
CHGA	Chromogranin A
PTEN	Phosphatase And Tensin Homolog
NPHP4	Nephrocystin 4
CD44	CD44 Molecule (Indian Blood Group)
EDNRA	Endothelin Receptor Type A
ABCG5	ATP Binding Cassette Subfamily G Member 5
UROS	Uroporphyrinogen III Synthase
SH2B3	SH2B Adaptor Protein 3
NGLY1	N-Glycanase 1
RASSF1	Ras Association Domain Family Member 1
PML	PML Nuclear Body Scaffold
FGG	Fibrinogen Gamma Chain
KCNN4	Potassium Calcium-Activated Channel Subfamily N Member 4

FN1	Fibronectin 1
KHK	Ketohexokinase
MT-CO3	Mitochondrially Encoded Cytochrome C Oxidase III
CD14	CD14 Molecule
AHI1	Abelson Helper Integration Site 1
FGL2	Fibrinogen Like 2
TGFBR2	Transforming Growth Factor Beta Receptor 2
VPS33B	VPS33B Late Endosome And Lysosome Associated
RBPJ	Recombination Signal Binding Protein For Immunoglobulin Kappa J Region
YAP1	Yes1 Associated Transcriptional Regulator
ATP6AP2	ATPase H+ Transporting Accessory Protein 2
RXRA	Retinoid X Receptor Alpha
SLC37A4	Solute Carrier Family 37 Member 4
MMP7	Matrix Metalloproteinase 7
BTNL2	Butyrophilin Like 2
SERPINF2	Serpin Family F Member 2
PDGFRA	Platelet Derived Growth Factor Receptor Alpha
NFKBIA	NFKB Inhibitor Alpha
CXCR3	C-X-C Motif Chemokine Receptor 3
PPIG	Peptidylprolyl Isomerase G
ESR1	Estrogen Receptor 1
SERPINB3	Serpin Family B Member 3
NOTCH2	Notch Receptor 2
PRTN3	Proteinase 3
MT-ND1	Mitochondrially Encoded NADH:Ubiquinone Oxidoreductase Core Subunit 1

ETFDH	Electron Transfer Flavoprotein Dehydrogenase
ACTA2	Actin Alpha 2, Smooth Muscle
FOXA2	Forkhead Box A2
NRAS	NRAS Proto-Oncogene, GTPase
SAR1B	Secretion Associated Ras Related GTPase 1B
PGPEP1	Pyroglutamyl-Peptidase I
IKBKB	Inhibitor Of Nuclear Factor Kappa B Kinase Subunit Beta
ANO5	Anoctamin 5
FMO3	Flavin Containing Dimethylaniline Monooxygenase 3
CALCA	Calcitonin Related Polypeptide Alpha
UTS2	Urotensin 2
CDKN1B	Cyclin Dependent Kinase Inhibitor 1B
NR1H3	Nuclear Receptor Subfamily 1 Group H Member 3
PLG	Plasminogen
IGF1R	Insulin Like Growth Factor 1 Receptor
AHCY	Adenosylhomocysteinase
LRP5	LDL Receptor Related Protein 5
GALT	Galactose-1-Phosphate Uridyltransferase
ENPP2	Ectonucleotide Pyrophosphatase/Phosphodiesterase 2
AVP	Arginine Vasopressin
USP53	Ubiquitin Specific Peptidase 53
F8	Coagulation Factor VIII
AGXT	Alanine--Glyoxylate And Serine--Pyruvate Aminotransferase
EPCAM	Epithelial Cell Adhesion Molecule
ASL	Argininosuccinate Lyase

GYS1	Glycogen Synthase 1
PLAU	Plasminogen Activator, Urokinase
FCGR2A	Fc Gamma Receptor IIa
C4A	Complement C4A (Rodgers Blood Group)
PRF1	Perforin 1
ABCG8	ATP Binding Cassette Subfamily G Member 8
SLC2A4	Solute Carrier Family 2 Member 4
ICOS	Inducible T Cell Costimulator
FLT1	Fms Related Receptor Tyrosine Kinase 1
MMP14	Matrix Metalloproteinase 14
CIITA	Class II Major Histocompatibility Complex Transactivator
PEX13	Peroxisomal Biogenesis Factor 13
RAC1	Rac Family Small GTPase 1
FGF21	Fibroblast Growth Factor 21
FBN1	Fibrillin 1
CYP3A5	Cytochrome P450 Family 3 Subfamily A Member 5
MT-ND6	Mitochondrially Encoded NADH:Ubiquinone Oxidoreductase Core Subunit 6
TAT	Tyrosine Aminotransferase
STAT2	Signal Transducer And Activator Of Transcription 2
FTL	Ferritin Light Chain
GDF15	Growth Differentiation Factor 15
XBP1	X-Box Binding Protein 1
CST3	Cystatin C
HSD17B13	Hydroxysteroid 17-Beta Dehydrogenase 13
SLC25A15	Solute Carrier Family 25 Member 15

PON1	Paraoxonase 1
ITCH	Itchy E3 Ubiquitin Protein Ligase
HLA-DPA1	Major Histocompatibility Complex, Class II, DP Alpha 1
CA2	Carbonic Anhydrase 2
GNAS	GNAS Complex Locus
ACADVL	Acyl-CoA Dehydrogenase Very Long Chain
CXCR1	C-X-C Motif Chemokine Receptor 1
ABCC1	ATP Binding Cassette Subfamily C Member 1
LMNB2	Lamin B2
ACOX1	Acyl-CoA Oxidase 1
PCK1	Phosphoenolpyruvate Carboxykinase 1
ETS1	ETS Proto-Oncogene 1, Transcription Factor
GIMAP1-GIMAP5	GIMAP1-GIMAP5 Readthrough
CPEB4	Cytoplasmic Polyadenylation Element Binding Protein 4
ALG9	ALG9 Alpha-1,2-Mannosyltransferase
SON	SON DNA And RNA Binding Protein
KDR	Kinase Insert Domain Receptor
PEX19	Peroxisomal Biogenesis Factor 19
SQSTM1	Sequestosome 1
GSK3B	Glycogen Synthase Kinase 3 Beta
SERPINA6	Serpin Family A Member 6
GOT1	Glutamic-Oxaloacetic Transaminase 1
SLC7A7	Solute Carrier Family 7 Member 7
LTA	Lymphotoxin Alpha
CDH23	Cadherin Related 23

CD274	CD274 Molecule
SP1	Sp1 Transcription Factor
IGFBP1	Insulin Like Growth Factor Binding Protein 1
NOTCH4	Notch Receptor 4
KIF7	Kinesin Family Member 7
EPM2A	EPM2A Glucan Phosphatase, Laforin
HSPB1	Heat Shock Protein Family B (Small) Member 1
TAP1	Transporter 1, ATP Binding Cassette Subfamily B Member
FKBP8	FKBP Prolyl Isomerase 8
EP300	E1A Binding Protein P300
TRIM22	Tripartite Motif Containing 22
ISG15	ISG15 Ubiquitin Like Modifier
ORMDL3	ORMDL Sphingolipid Biosynthesis Regulator 3
DBT	Dihydrolipoamide Branched Chain Transacylase E2
IL12B	Interleukin 12B
PGM1	Phosphoglucomutase 1
IL16	Interleukin 16
KLKB1	Kallikrein B1
ABCD3	ATP Binding Cassette Subfamily D Member 3
ADH4	Alcohol Dehydrogenase 4 (Class II), Pi Polypeptide
GSDMB	Gasdermin B
PIGM	Phosphatidylinositol Glycan Anchor Biosynthesis Class M
KLF6	Kruppel Like Factor 6
RMND5B	Required For Meiotic Nuclear Division 5 Homolog B
CDKN2B	Cyclin Dependent Kinase Inhibitor 2B

SDCCAG8	SHH Signaling And Ciliogenesis Regulator SDCCAG8
LIG3	DNA Ligase 3
UBE2L3	Ubiquitin Conjugating Enzyme E2 L3
DDOST	Dolichyl-Diphosphooligosaccharide--Protein Glycosyltransferase Non-Catalytic Subunit
PEX5	Peroxisomal Biogenesis Factor 5
CEACAM5	CEA Cell Adhesion Molecule 5
HNRNPK	Heterogeneous Nuclear Ribonucleoprotein K
GCLC	Glutamate-Cysteine Ligase Catalytic Subunit
BBS1	Bardet-Biedl Syndrome 1
ALG2	ALG2 Alpha-1,3/1,6-Mannosyltransferase
RNASEH2B	Ribonuclease H2 Subunit B
C4B	Complement C4B (Chido Blood Group)
PEX11B	Peroxisomal Biogenesis Factor 11 Beta
MCL1	MCL1 Apoptosis Regulator, BCL2 Family Member
CD8A	CD8a Molecule
LGALS9	Galectin 9
SETX	Senataxin
MLXIPL	MLX Interacting Protein Like
TNFRSF1B	TNF Receptor Superfamily Member 1B
CDK1	Cyclin Dependent Kinase 1
PIN1	Peptidylprolyl Cis/Trans Isomerase, NIMA-Interacting 1
NPPC	Natriuretic Peptide C
PEX10	Peroxisomal Biogenesis Factor 10
DNMT3A	DNA Methyltransferase 3 Alpha
CD55	CD55 Molecule (Cromer Blood Group)

NOD2	Nucleotide Binding Oligomerization Domain Containing 2
ETFA	Electron Transfer Flavoprotein Subunit Alpha
IFT80	Intraflagellar Transport 80
SCO2	Synthesis Of Cytochrome C Oxidase 2
GCG	Glucagon
CDK4	Cyclin Dependent Kinase 4
TFAP2A	Transcription Factor AP-2 Alpha
RRM2	Ribonucleotide Reductase Regulatory Subunit M2
NCAM1	Neural Cell Adhesion Molecule 1
E2F1	E2F Transcription Factor 1
EZH2	Enhancer Of Zeste 2 Polycomb Repressive Complex 2 Subunit
CFLAR	CASP8 And FADD Like Apoptosis Regulator
AKT2	AKT Serine/Threonine Kinase 2
MBOAT7	Membrane Bound O-Acyltransferase Domain Containing 7
SLC3A2	Solute Carrier Family 3 Member 2
S100B	S100 Calcium Binding Protein B
AR	Androgen Receptor
ARHGAP31	Rho GTPase Activating Protein 31
TMEM199	Transmembrane Protein 199
SCT	Secretin
IL1R1	Interleukin 1 Receptor Type 1
IL13	Interleukin 13
IL22	Interleukin 22
IRF1	Interferon Regulatory Factor 1
LCAT	Lecithin-Cholesterol Acyltransferase

HHEX	Hematopoietically Expressed Homeobox
TLR7	Toll Like Receptor 7
AP1S1	Adaptor Related Protein Complex 1 Subunit Sigma 1
IL5	Interleukin 5
SCO1	Synthesis Of Cytochrome C Oxidase 1
POU5F1	POU Class 5 Homeobox 1
MAOA	Monoamine Oxidase A
SYK	Spleen Associated Tyrosine Kinase
IL4R	Interleukin 4 Receptor
FOXM1	Forkhead Box M1
ARG2	Arginase 2
ETFB	Electron Transfer Flavoprotein Subunit Beta
CREB3L3	CAMP Responsive Element Binding Protein 3 Like 3
VAPB	VAMP Associated Protein B And C
SHARPIN	SHANK Associated RH Domain Interactor
CREBBP	CREB Binding Protein
AP1B1	Adaptor Related Protein Complex 1 Subunit Beta 1
SSB	Small RNA Binding Exonuclease Protection Factor La
LTF	Lactotransferrin
PDGFB	Platelet Derived Growth Factor Subunit B
CCL11	C-C Motif Chemokine Ligand 11
PTK2	Protein Tyrosine Kinase 2
TWIST1	Twist Family BHLH Transcription Factor 1
MT-ND5	Mitochondrially Encoded NADH:Ubiquinone Oxidoreductase Core Subunit 5
ELAVL1	ELAV Like RNA Binding Protein 1

PEX16	Peroxisomal Biogenesis Factor 16
FBL	Fibrillarin
LPIN1	Lipin 1
CD80	CD80 Molecule
CCNA2	Cyclin A2
CASP9	Caspase 9
SNAI1	Snail Family Transcriptional Repressor 1
ZEB1	Zinc Finger E-Box Binding Homeobox 1
CTH	Cystathionine Gamma-Lyase
BIRC3	Baculoviral IAP Repeat Containing 3
TNFRSF10B	TNF Receptor Superfamily Member 10b
PEX2	Peroxisomal Biogenesis Factor 2
DDIT3	DNA Damage Inducible Transcript 3
PIEZO1	Piezo Type Mechanosensitive Ion Channel Component 1
LGALS3	Galectin 3
GZMB	Granzyme B
IRAK4	Interleukin 1 Receptor Associated Kinase 4
ALG8	ALG8 Alpha-1,3-Glucosyltransferase
ABCC6	ATP Binding Cassette Subfamily C Member 6
ELANE	Elastase, Neutrophil Expressed
TNFRSF10A	TNF Receptor Superfamily Member 10a
PTPN11	Protein Tyrosine Phosphatase Non-Receptor Type 11
TULP3	TUB Like Protein 3
MICA	MHC Class I Polypeptide-Related Sequence A
PRKCA	Protein Kinase C Alpha

PEX14	Peroxisomal Biogenesis Factor 14
PEX3	Peroxisomal Biogenesis Factor 3
PEX26	Peroxisomal Biogenesis Factor 26
PEX12	Peroxisomal Biogenesis Factor 12
EIF2S1	Eukaryotic Translation Initiation Factor 2 Subunit Alpha
WNT5A	Wnt Family Member 5A
PCLAF	PCNA Clamp Associated Factor
RNASEH2C	Ribonuclease H2 Subunit C
SUCLG1	Succinate-CoA Ligase GDP/ADP-Forming Subunit Alpha
CPQ	Carboxypeptidase Q
NAGLU	N-Acetyl-Alpha-Glucosaminidase
NR3C1	Nuclear Receptor Subfamily 3 Group C Member 1
IFI44	Interferon Induced Protein 44
ARL13B	ADP Ribosylation Factor Like GTPase 13B
RNASEH2A	Ribonuclease H2 Subunit A
CYP27A1	Cytochrome P450 Family 27 Subfamily A Member 1
AZIN1	Antizyme Inhibitor 1
COG7	Component Of Oligomeric Golgi Complex 7
HPX	Hemopexin
ZFYVE19	Zinc Finger FYVE-Type Containing 19
TMEM138	Transmembrane Protein 138
POGLUT1	Protein O-Glucosyltransferase 1
CTC1	CST Telomere Replication Complex Component 1
LOX	Lysyl Oxidase
NFATC3	Nuclear Factor Of Activated T Cells 3

NOS1	Nitric Oxide Synthase 1
PHF20	PHD Finger Protein 20
ALAS1	5'-Aminolevulinate Synthase 1
DVL2	Dishevelled Segment Polarity Protein 2
GPS2	G Protein Pathway Suppressor 2
CCNE1	Cyclin E1
IL11	Interleukin 11
ESRRB	Estrogen Related Receptor Beta
SHBG	Sex Hormone Binding Globulin
PSMB9	Proteasome 20S Subunit Beta 9
SCTR	Secretin Receptor
CYBRD1	Cytochrome B Reductase 1
SREBF2	Sterol Regulatory Element Binding Transcription Factor 2
DMBT1	Deleted In Malignant Brain Tumors 1
IFITM1	Interferon Induced Transmembrane Protein 1
NPPB	Natriuretic Peptide B
ALPL	Alkaline Phosphatase, Biomineralization Associated
PIGR	Polymeric Immunoglobulin Receptor
LEF1	Lymphoid Enhancer Binding Factor 1
PCBP2	Poly(RC) Binding Protein 2
MAP3K7	Mitogen-Activated Protein Kinase Kinase Kinase 7
ADA	Adenosine Deaminase
PTX3	Pentraxin 3
FTCD	Formimidoyltransferase Cyclodeaminase
GH1	Growth Hormone 1

F7	Coagulation Factor VII
MPL	MPL Proto-Oncogene, Thrombopoietin Receptor
CDK2	Cyclin Dependent Kinase 2
CENPB	Centromere Protein B
TIMP2	TIMP Metallopeptidase Inhibitor 2
NTN1	Netrin 1
GHR	Growth Hormone Receptor
ROCK2	Rho Associated Coiled-Coil Containing Protein Kinase 2
MGAT5	Alpha-1,6-Mannosylglycoprotein 6-Beta-N-Acetylglucosaminyltransferase
HDAC1	Histone Deacetylase 1
KIAA0586	KIAA0586
CTBP2	C-Terminal Binding Protein 2
ELN	Elastin
CD40	CD40 Molecule
UCHL1	Ubiquitin C-Terminal Hydrolase L1
SLC35A2	Solute Carrier Family 35 Member A2
TPO	Thyroid Peroxidase
CPS1	Carbamoyl-Phosphate Synthase 1
DOCK6	Dedicator Of Cytokinesis 6
IKZF1	IKAROS Family Zinc Finger 1
CXCL1	C-X-C Motif Chemokine Ligand 1
IL10RA	Interleukin 10 Receptor Subunit Alpha
TCF7L2	Transcription Factor 7 Like 2
EOGT	EGF Domain Specific O-Linked N-Acetylglucosamine Transferase
MUC1	Mucin 1, Cell Surface Associated

CD27	CD27 Molecule
CDH2	Cadherin 2
CFH	Complement Factor H
OPRM1	Opioid Receptor Mu 1
GATA1	GATA Binding Protein 1
TRAF3IP2	TRAF3 Interacting Protein 2
CSNK2B	Casein Kinase 2 Beta
NPC2	NPC Intracellular Cholesterol Transporter 2
NAMPT	Nicotinamide Phosphoribosyltransferase
DKK1	Dickkopf WNT Signaling Pathway Inhibitor 1
SAA1	Serum Amyloid A1
BECN1	Beclin 1
VKORC1	Vitamin K Epoxide Reductase Complex Subunit 1
NOTCH3	Notch Receptor 3
PARP1	Poly(ADP-Ribose) Polymerase 1
WDR43	WD Repeat Domain 43
IRS2	Insulin Receptor Substrate 2
PPIA	Peptidylprolyl Isomerase A
IL33	Interleukin 33
EPHA2	EPH Receptor A2
TUG1	Taurine Up-Regulated 1
ATF4	Activating Transcription Factor 4
CXCL9	C-X-C Motif Chemokine Ligand 9
GHRL	Ghrelin And Obestatin Prepropeptide
AKR1B10	Aldo-Keto Reductase Family 1 Member B10

ACTB	Actin Beta
CXCR4	C-X-C Motif Chemokine Receptor 4
AQP1	Aquaporin 1 (Colton Blood Group)
SUCLA2	Succinate-CoA Ligase ADP-Forming Subunit Beta
C3	Complement C3
CD46	CD46 Molecule
TRIM25	Tripartite Motif Containing 25
SELP	Selectin P
URI1	URI1 Prefoldin Like Chaperone
HSPD1	Heat Shock Protein Family D (Hsp60) Member 1
BLVRA	Biliverdin Reductase A
CCR2	C-C Motif Chemokine Receptor 2
TGFB2	Transforming Growth Factor Beta 2
PTK2B	Protein Tyrosine Kinase 2 Beta
PIK3R1	Phosphoinositide-3-Kinase Regulatory Subunit 1
PTPA	Protein Phosphatase 2 Phosphatase Activator
GAST	Gastrin
GSR	Glutathione-Disulfide Reductase
MR1	Major Histocompatibility Complex, Class I-Related
MICB	MHC Class I Polypeptide-Related Sequence B
CASP7	Caspase 7
SDC1	Syndecan 1
SULT1A3	Sulfotransferase Family 1A Member 3
ANGPTL4	Angiopoietin Like 4
CD226	CD226 Molecule

SERPINF1	Serpin Family F Member 1
SFRP1	Secreted Frizzled Related Protein 1
IL6ST	Interleukin 6 Cytokine Family Signal Transducer
ABCC4	ATP Binding Cassette Subfamily C Member 4
TGM1	Transglutaminase 1
CHKA	Choline Kinase Alpha
CD59	CD59 Molecule (CD59 Blood Group)
GPX1	Glutathione Peroxidase 1
BBS4	Bardet-Biedl Syndrome 4
SUFU	SUFU Negative Regulator Of Hedgehog Signaling
OAS1	2'-5'-Oligoadenylate Synthetase 1
CCND2	Cyclin D2
PIK3C2A	Phosphatidylinositol-4-Phosphate 3-Kinase Catalytic Subunit Type 2 Alpha
PDE5A	Phosphodiesterase 5A
G6PD	Glucose-6-Phosphate Dehydrogenase
SELE	Selectin E
KEAP1	Kelch Like ECH Associated Protein 1
DNMT3B	DNA Methyltransferase 3 Beta
CCK	Cholecystokinin
SPINK1	Serine Peptidase Inhibitor Kazal Type 1
FRZB	Frizzled Related Protein
NFATC1	Nuclear Factor Of Activated T Cells 1
ERCC6	ERCC Excision Repair 6, Chromatin Remodeling Factor
SMYD3	SET And MYND Domain Containing 3
CCNB1	Cyclin B1

IGF2BP2	Insulin Like Growth Factor 2 mRNA Binding Protein 2
BRCA2	BRCA2 DNA Repair Associated
BTD	Biotinidase
SPARC	Secreted Protein Acidic And Cysteine Rich
PINX1	PIN2 (TERF1) Interacting Telomerase Inhibitor 1
AVPR1A	Arginine Vasopressin Receptor 1A
DES	Desmin
PSMD10	Proteasome 26S Subunit, Non-ATPase 10
WNT3A	Wnt Family Member 3A
GUSB	Glucuronidase Beta
ONECUT1	One Cut Homeobox 1
CPLANE1	Ciliogenesis And Planar Polarity Effector Complex Subunit 1
BBS10	Bardet-Biedl Syndrome 10
E2F2	E2F Transcription Factor 2
SYP	Synaptophysin
XDH	Xanthine Dehydrogenase
NME1	NME/NM23 Nucleoside Diphosphate Kinase 1
HK2	Hexokinase 2
UTP15	UTP15 Small Subunit Processome Component
CD28	CD28 Molecule
BPI	Bactericidal Permeability Increasing Protein
ENO1	Enolase 1
KLRK1	Killer Cell Lectin Like Receptor K1
KLF4	Kruppel Like Factor 4
WNT1	Wnt Family Member 1

ATP7A	ATPase Copper Transporting Alpha
SLC4A1	Solute Carrier Family 4 Member 1 (Diego Blood Group)
RHOA	Ras Homolog Family Member A
GLUD1	Glutamate Dehydrogenase 1
MRPL3	Mitochondrial Ribosomal Protein L3
ALDH9A1	Aldehyde Dehydrogenase 9 Family Member A1
IFIT3	Interferon Induced Protein With Tetratricopeptide Repeats 3
KCTD13	Potassium Channel Tetramerization Domain Containing 13
ACACA	Acetyl-CoA Carboxylase Alpha
COPS5	COP9 Signalosome Subunit 5
CD86	CD86 Molecule
IL21	Interleukin 21
ADIPOR2	Adiponectin Receptor 2
PKM	Pyruvate Kinase M1/2
HEPH	Hephaestin
GYPA	Glycophorin A (MNS Blood Group)
SHH	Sonic Hedgehog Signaling Molecule
SMAD7	SMAD Family Member 7
MANBA	Mannosidase Beta
OTULIN	OTU Deubiquitinase With Linear Linkage Specificity
BBS9	Bardet-Biedl Syndrome 9
TMPRSS6	Transmembrane Serine Protease 6
LIN28B	Lin-28 Homolog B
TMPO	Thymopoietin
BSG	Basigin (Ok Blood Group)

GSTM3	Glutathione S-Transferase Mu 3
CYC1	Cytochrome C1
IFIT1	Interferon Induced Protein With Tetratricopeptide Repeats 1
C2CD3	C2 Domain Containing 3 Centriole Elongation Regulator
SFRP2	Secreted Frizzled Related Protein 2
CCL3	C-C Motif Chemokine Ligand 3
USB1	U6 SnRNA Biogenesis Phosphodiesterase 1
ANGPTL8	Angiopoietin Like 8
HPSE	Heparanase
PODXL	Podocalyxin Like
TNFRSF8	TNF Receptor Superfamily Member 8
IL2RB	Interleukin 2 Receptor Subunit Beta
CSNK2A1	Casein Kinase 2 Alpha 1
PRL	Prolactin
PPP1R3C	Protein Phosphatase 1 Regulatory Subunit 3C
DPM1	Dolichyl-Phosphate Mannosyltransferase Subunit 1, Catalytic
MT-ND4	Mitochondrially Encoded NADH:Ubiquinone Oxidoreductase Core Subunit 4
MAOB	Monoamine Oxidase B
PROX1	Prospero Homeobox 1
MT-CO1	Mitochondrially Encoded Cytochrome C Oxidase I
HLA-G	Major Histocompatibility Complex, Class I, G
HLA-DRB5	Major Histocompatibility Complex, Class II, DR Beta 5
FCN1	Ficolin 1
MAP3K5	Mitogen-Activated Protein Kinase Kinase Kinase 5
AURKA	Aurora Kinase A

ATF3	Activating Transcription Factor 3
CNR1	Cannabinoid Receptor 1
SPRTN	SprT-Like N-Terminal Domain
CFAP52	Cilia And Flagella Associated Protein 52
HLA-DRA	Major Histocompatibility Complex, Class II, DR Alpha
ACY3	Aminoacylase 3
EDN3	Endothelin 3
XRCC1	X-Ray Repair Cross Complementing 1
GPBAR1	G Protein-Coupled Bile Acid Receptor 1
LRRC32	Leucine Rich Repeat Containing 32
PKD1L1	Polycystin 1 Like 1, Transient Receptor Potential Channel Interacting
DDC	Dopa Decarboxylase
COX5A	Cytochrome C Oxidase Subunit 5A
VPS4A	Vacuolar Protein Sorting 4 Homolog A
EGLN2	Egl-9 Family Hypoxia Inducible Factor 2
FLNC	Filamin C
CSF2	Colony Stimulating Factor 2
TLR5	Toll Like Receptor 5
SEC23B	SEC23 Homolog B, COPII Coat Complex Component
CCL26	C-C Motif Chemokine Ligand 26
CCL24	C-C Motif Chemokine Ligand 24
IMMT	Inner Membrane Mitochondrial Protein
PRKCE	Protein Kinase C Epsilon
TGFB3	Transforming Growth Factor Beta 3
HSP90B1	Heat Shock Protein 90 Beta Family Member 1

PHKA1	Phosphorylase Kinase Regulatory Subunit Alpha 1
SFRP5	Secreted Frizzled Related Protein 5
PLAUR	Plasminogen Activator, Urokinase Receptor
EPHX1	Epoxide Hydrolase 1
CYP19A1	Cytochrome P450 Family 19 Subfamily A Member 1
CARS2	Cysteinyl-TRNA Synthetase 2, Mitochondrial
EARS2	Glutamyl-TRNA Synthetase 2, Mitochondrial
FCGRT	Fc Gamma Receptor And Transporter
FGL1	Fibrinogen Like 1
DLC1	DLC1 Rho GTPase Activating Protein
MTA1	Metastasis Associated 1
NARS2	Asparaginyl-TRNA Synthetase 2, Mitochondrial
ROCK1	Rho Associated Coiled-Coil Containing Protein Kinase 1
BRAF	B-Raf Proto-Oncogene, Serine/Threonine Kinase
PPP2R1A	Protein Phosphatase 2 Scaffold Subunit Aalpha
TNFRSF11B	TNF Receptor Superfamily Member 11b
SLC39A14	Solute Carrier Family 39 Member 14
ARIH1	Ariadne RBR E3 Ubiquitin Protein Ligase 1
GZMM	Granzyme M
GALNT9	Polypeptide N-Acetylgalactosaminyltransferase 9
ZNF648	Zinc Finger Protein 648
TRPV4	Transient Receptor Potential Cation Channel Subfamily V Member 4
POMC	Proopiomelanocortin
CTTN	Cortactin
FAP	Fibroblast Activation Protein Alpha

CCL4	C-C Motif Chemokine Ligand 4
SOX4	SRY-Box Transcription Factor 4
WWTR1	WW Domain Containing Transcription Regulator 1
CTSB	Cathepsin B
IL23A	Interleukin 23 Subunit Alpha
FOSL1	FOS Like 1, AP-1 Transcription Factor Subunit
STK11	Serine/Threonine Kinase 11
ATOX1	Antioxidant 1 Copper Chaperone
SPART	Spartin
STMN2	Stathmin 2
AKR1C1	Aldo-Keto Reductase Family 1 Member C1
PEG10	Paternally Expressed 10
DDR2	Discoidin Domain Receptor Tyrosine Kinase 2
PPARD	Peroxisome Proliferator Activated Receptor Delta
SOS1	SOS Ras/Rac Guanine Nucleotide Exchange Factor 1
TNFRSF13C	TNF Receptor Superfamily Member 13C
SNAI2	Snail Family Transcriptional Repressor 2
MAPK10	Mitogen-Activated Protein Kinase 10
NAGS	N-Acetylglutamate Synthase
UAP1	UDP-N-Acetylglucosamine Pyrophosphorylase 1
FOXO1	Forkhead Box O1
TDP2	Tyrosyl-DNA Phosphodiesterase 2
CNR2	Cannabinoid Receptor 2
WNT2	Wnt Family Member 2
MMP12	Matrix Metalloproteinase 12

UBD	Ubiquitin D
DDX60L	DExD/H-Box 60 Like
SLC51B	Solute Carrier Family 51 Subunit Beta
CEP104	Centrosomal Protein 104
SLC39A8	Solute Carrier Family 39 Member 8
TSBP1	Testis Expressed Basic Protein 1
COLCA2	Colorectal Cancer Associated 2
SCARB2	Scavenger Receptor Class B Member 2
MAGEA3	MAGE Family Member A3
AAK1	AP2 Associated Kinase 1
RSPO2	R-Spondin 2
SERAC1	Serine Active Site Containing 1
C11orf65	Chromosome 11 Open Reading Frame 65
BAAT	Bile Acid-CoA:Amino Acid N-Acyltransferase
PDGFRB	Platelet Derived Growth Factor Receptor Beta
RUVBL1	RuvB Like AAA ATPase 1
ENPP1	Ectonucleotide Pyrophosphatase/Phosphodiesterase 1
SLC25A4	Solute Carrier Family 25 Member 4
RPL18A	Ribosomal Protein L18a
ACTC1	Actin Alpha Cardiac Muscle 1
TNFSF11	TNF Superfamily Member 11
GFAP	Glial Fibrillary Acidic Protein
IGHE	Immunoglobulin Heavy Constant Epsilon
CLCA4	Chloride Channel Accessory 4
ANGPT1	Angiopietin 1

YARS2	Tyrosyl-TRNA Synthetase 2
CYBA	Cytochrome B-245 Alpha Chain
F13A1	Coagulation Factor XIII A Chain
SFTPC	Surfactant Protein C
YY1AP1	YY1 Associated Protein 1
CTSZ	Cathepsin Z
COG5	Component Of Oligomeric Golgi Complex 5
CSMD1	CUB And Sushi Multiple Domains 1
SUN2	Sad1 And UNC84 Domain Containing 2
PEMT	Phosphatidylethanolamine N-Methyltransferase
ITGAL	Integrin Subunit Alpha L
LHX2	LIM Homeobox 2
TFB2M	Transcription Factor B2, Mitochondrial
MSH2	MutS Homolog 2
TNFSF13B	TNF Superfamily Member 13b
ZEB2	Zinc Finger E-Box Binding Homeobox 2
GPX3	Glutathione Peroxidase 3
BTRC	Beta-Transducin Repeat Containing E3 Ubiquitin Protein Ligase
MMP13	Matrix Metalloproteinase 13
CSNK2A2	Casein Kinase 2 Alpha 2
SF3B2	Splicing Factor 3b Subunit 2
SULT2A1	Sulfotransferase Family 2A Member 1
PTPRH	Protein Tyrosine Phosphatase Receptor Type H
DVL1	Dishevelled Segment Polarity Protein 1
NAA40	N-Alpha-Acetyltransferase 40, NatD Catalytic Subunit

NOLC1	Nucleolar And Coiled-Body Phosphoprotein 1
NLRP3	NLR Family Pyrin Domain Containing 3
SELENOP	Selenoprotein P
AXIN2	Axin 2
IDO1	Indoleamine 2,3-Dioxygenase 1
CDH17	Cadherin 17
ADPRH	ADP-Ribosylarginine Hydrolase
FZD7	Frizzled Class Receptor 7
DPYD	Dihydropyrimidine Dehydrogenase
SULF1	Sulfatase 1
PTCH1	Patched 1
CYP17A1	Cytochrome P450 Family 17 Subfamily A Member 1
AXL	AXL Receptor Tyrosine Kinase
COG2	Component Of Oligomeric Golgi Complex 2
LGALS3BP	Galectin 3 Binding Protein
SLCO1A2	Solute Carrier Organic Anion Transporter Family Member 1A2
SCD	Stearoyl-CoA Desaturase
COL3A1	Collagen Type III Alpha 1 Chain
AFG3L2	AFG3 Like Matrix AAA Peptidase Subunit 2
SLC26A9	Solute Carrier Family 26 Member 9
COQ4	Coenzyme Q4
STEAP4	STEAP4 Metalloreductase
DNAH8	Dynein Axonemal Heavy Chain 8
CD247	CD247 Molecule
MME	Membrane Metalloendopeptidase

SOX9	SRY-Box Transcription Factor 9
KCTD1	Potassium Channel Tetramerization Domain Containing 1
GPC1	Glypican 1
MTDH	Metadherin
LOXL2	Lysyl Oxidase Like 2
XK	X-Linked Kx Blood Group
STXBP2	Syntaxin Binding Protein 2
PPP2CA	Protein Phosphatase 2 Catalytic Subunit Alpha
BBS2	Bardet-Biedl Syndrome 2
CLU	Clusterin
ANO10	Anoctamin 10
MAGEA1	MAGE Family Member A1
NDUFA13	NADH:Ubiquinone Oxidoreductase Subunit A13
TGIF1	TGFB Induced Factor Homeobox 1
APOBEC3B	Apolipoprotein B mRNA Editing Enzyme Catalytic Subunit 3B
FABP4	Fatty Acid Binding Protein 4
GSK3A	Glycogen Synthase Kinase 3 Alpha
TRMT5	TRNA Methyltransferase 5
AMBP	Alpha-1-Microglobulin/Bikunin Precursor
CXCL2	C-X-C Motif Chemokine Ligand 2
NBN	Nibrin
SLC25A37	Solute Carrier Family 25 Member 37
BAP1	BRCA1 Associated Protein 1
HLA-DQB2	Major Histocompatibility Complex, Class II, DQ Beta 2
MAPK9	Mitogen-Activated Protein Kinase 9

BTK	Bruton Tyrosine Kinase
ZMPSTE24	Zinc Metallopeptidase STE24
ERBB2	Erb-B2 Receptor Tyrosine Kinase 2
PPP2R2A	Protein Phosphatase 2 Regulatory Subunit Balpha
NEK9	NIMA Related Kinase 9
UQCRC2	Ubiquinol-Cytochrome C Reductase Core Protein 2
COMMD1	Copper Metabolism Domain Containing 1
CDK6	Cyclin Dependent Kinase 6
IL15	Interleukin 15
NANOG	Nanog Homeobox
HSP90AA1	Heat Shock Protein 90 Alpha Family Class A Member 1
SBDS	SBDS Ribosome Maturation Factor
RBM39	RNA Binding Motif Protein 39
VSTM4	V-Set And Transmembrane Domain Containing 4
ACO1	Aconitase 1
CYP8B1	Cytochrome P450 Family 8 Subfamily B Member 1
DACT1	Dishevelled Binding Antagonist Of Beta Catenin 1
CFAP418	Cilia And Flagella Associated Protein 418
STING1	Stimulator Of Interferon Response CGAMP Interactor 1
SLC7A6	Solute Carrier Family 7 Member 6
STAT5A	Signal Transducer And Activator Of Transcription 5A
SPATA31A3	SPATA31 Subfamily A Member 3
TEK	TEK Receptor Tyrosine Kinase
HSPG2	Heparan Sulfate Proteoglycan 2
NCF2	Neutrophil Cytosolic Factor 2

WT1	WT1 Transcription Factor
HLA-DQA2	Major Histocompatibility Complex, Class II, DQ Alpha 2
WIF1	WNT Inhibitory Factor 1
NLK	Nemo Like Kinase
ESD	Esterase D
CTSG	Cathepsin G
LRP6	LDL Receptor Related Protein 6
SFRP4	Secreted Frizzled Related Protein 4
SF3B1	Splicing Factor 3b Subunit 1
DNAJA3	DnaJ Heat Shock Protein Family (Hsp40) Member A3
ADRB2	Adrenoceptor Beta 2
ATXN2	Ataxin 2
PAGE2B	PAGE Family Member 2B
CEACAM6	CEA Cell Adhesion Molecule 6
KIR2DL2	Killer Cell Immunoglobulin Like Receptor, Two Ig Domains And Long Cytoplasmic Tail 2
FZD2	Frizzled Class Receptor 2
TRAF6	TNF Receptor Associated Factor 6
PAH	Phenylalanine Hydroxylase
PFKFB1	6-Phosphofructo-2-Kinase/Fructose-2,6-Biphosphatase 1
BBS5	Bardet-Biedl Syndrome 5
KLC2	Kinesin Light Chain 2
BBS7	Bardet-Biedl Syndrome 7
SLC1A2	Solute Carrier Family 1 Member 2
WNT3	Wnt Family Member 3
CR2	Complement C3d Receptor 2

IDH2	Isocitrate Dehydrogenase (NADP(+)) 2
NELFCD	Negative Elongation Factor Complex Member C/D
MECOM	MDS1 And EVI1 Complex Locus
CAMTA1	Calmodulin Binding Transcription Activator 1
CREB3	CAMP Responsive Element Binding Protein 3
ATF6	Activating Transcription Factor 6
C4orf3	Chromosome 4 Open Reading Frame 3
FGFR1	Fibroblast Growth Factor Receptor 1
CTBP1	C-Terminal Binding Protein 1
VIP	Vasoactive Intestinal Peptide
CSNK1A1	Casein Kinase 1 Alpha 1
FBXL2	F-Box And Leucine Rich Repeat Protein 2
UGT2B7	UDP Glucuronosyltransferase Family 2 Member B7
COG8	Component Of Oligomeric Golgi Complex 8
BHMT	Betaine--Homocysteine S-Methyltransferase
NR3C2	Nuclear Receptor Subfamily 3 Group C Member 2
IDH1	Isocitrate Dehydrogenase (NADP(+)) 1
USP18	Ubiquitin Specific Peptidase 18
TNFRSF13B	TNF Receptor Superfamily Member 13B
PSD3	Pleckstrin And Sec7 Domain Containing 3
HOXA13	Homeobox A13
HDDC2	HD Domain Containing 2
STAT5B	Signal Transducer And Activator Of Transcription 5B
ZC4H2	Zinc Finger C4H2-Type Containing
SLC9A3	Solute Carrier Family 9 Member A3

AVPR2	Arginine Vasopressin Receptor 2
BMPR2	Bone Morphogenetic Protein Receptor Type 2
GSTZ1	Glutathione S-Transferase Zeta 1
SFTPA2	Surfactant Protein A2
APLN	Apelin
EIF2B3	Eukaryotic Translation Initiation Factor 2B Subunit Gamma
PCNX4	Pecanex 4
LAPTM4B	Lysosomal Protein Transmembrane 4 Beta
FABP2	Fatty Acid Binding Protein 2
PROC	Protein C, Inactivator Of Coagulation Factors Va And VIIIa
PGR	Progesterone Receptor
STX3	Syntaxin 3
PPP2R1B	Protein Phosphatase 2 Scaffold Subunit Abeta
CD19	CD19 Molecule
C1S	Complement C1s
KIR2DL3	Killer Cell Immunoglobulin Like Receptor, Two Ig Domains And Long Cytoplasmic Tail 3
KNG1	Kininogen 1
CYP2C8	Cytochrome P450 Family 2 Subfamily C Member 8
RCHY1	Ring Finger And CHY Zinc Finger Domain Containing 1
RFX1	Regulatory Factor X1
DARS2	Aspartyl-TRNA Synthetase 2, Mitochondrial
SERPINA7	Serpin Family A Member 7
SSBP1	Single Stranded DNA Binding Protein 1
DDX39B	DExD-Box Helicase 39B
XRCC4	X-Ray Repair Cross Complementing 4

NCR1	Natural Cytotoxicity Triggering Receptor 1
SOX17	SRY-Box Transcription Factor 17
SLC25A27	Solute Carrier Family 25 Member 27
GLT1D1	Glycosyltransferase 1 Domain Containing 1
NQO1	NAD(P)H Quinone Dehydrogenase 1
TYR	Tyrosinase
P4HB	Prolyl 4-Hydroxylase Subunit Beta
SOAT2	Sterol O-Acyltransferase 2
HNRNPU	Heterogeneous Nuclear Ribonucleoprotein U
PROM1	Prominin 1
LAG3	Lymphocyte Activating 3
TIMMDC1	Translocase Of Inner Mitochondrial Membrane Domain Containing 1
CBX5	Chromobox 5
ATP12A	ATPase H ⁺ /K ⁺ Transporting Non-Gastric Alpha2 Subunit
DPAGT1	Dolichyl-Phosphate N-Acetylglucosaminophosphotransferase 1
CCR4	C-C Motif Chemokine Receptor 4
SGCB	Sarcoglycan Beta
ERN1	Endoplasmic Reticulum To Nucleus Signaling 1
TBCD	Tubulin Folding Cofactor D
AGER	Advanced Glycosylation End-Product Specific Receptor
TCP10L	T-Complex 10 Like
CSNK1D	Casein Kinase 1 Delta
B4GALT1	Beta-1,4-Galactosyltransferase 1
IL17F	Interleukin 17F
RUNX2	RUNX Family Transcription Factor 2

CYGB	Cytoglobin
HSPA6	Heat Shock Protein Family A (Hsp70) Member 6
PARK7	Parkinsonism Associated Deglycase
TIMP3	TIMP Metallopeptidase Inhibitor 3
CYP3A7	Cytochrome P450 Family 3 Subfamily A Member 7
THY1	Thy-1 Cell Surface Antigen
PRKACA	Protein Kinase CAMP-Activated Catalytic Subunit Alpha
ITGB1	Integrin Subunit Beta 1
CDH4	Cadherin 4
FAM83D	Family With Sequence Similarity 83 Member D
DVL3	Dishevelled Segment Polarity Protein 3
RIPK1	Receptor Interacting Serine/Threonine Kinase 1
MIA2	MIA SH3 Domain ER Export Factor 2
SELL	Selectin L
UCP2	Uncoupling Protein 2
KCNH5	Potassium Voltage-Gated Channel Subfamily H Member 5
HSPA1A	Heat Shock Protein Family A (Hsp70) Member 1A
CTNND1	Catenin Delta 1
IGKC	Immunoglobulin Kappa Constant
ATP11A	ATPase Phospholipid Transporting 11A
CCL18	C-C Motif Chemokine Ligand 18
HNRNPA1	Heterogeneous Nuclear Ribonucleoprotein A1
CD1D	CD1d Molecule
DYNLRB2	Dynein Light Chain Roadblock-Type 2
RBP5	Retinol Binding Protein 5

BATF2	Basic Leucine Zipper ATF-Like Transcription Factor 2
GRK2	G Protein-Coupled Receptor Kinase 2
BMP7	Bone Morphogenetic Protein 7
RAC2	Rac Family Small GTPase 2
SERPINI1	Serpin Family I Member 1
MUC5B	Mucin 5B, Oligomeric Mucus/Gel-Forming
APOBEC3C	Apolipoprotein B MRNA Editing Enzyme Catalytic Subunit 3C
POLRMT	RNA Polymerase Mitochondrial
ASAH1	N-Acylsphingosine Amidohydrolase 1
ERFE	Erythroferrone
MGMT	O-6-Methylguanine-DNA Methyltransferase
STXBP1	Syntaxin Binding Protein 1
CEBPA	CCAAT Enhancer Binding Protein Alpha
ECI2	Enoyl-CoA Delta Isomerase 2
TBX21	T-Box Transcription Factor 21
RAB8A	RAB8A, Member RAS Oncogene Family
TXN	Thioredoxin
SLC46A1	Solute Carrier Family 46 Member 1
BBS12	Bardet-Biedl Syndrome 12
PLA2G6	Phospholipase A2 Group VI
PANK2	Pantothenate Kinase 2
TFEB	Transcription Factor EB
ANPEP	Alanyl Aminopeptidase, Membrane
HSD11B1	Hydroxysteroid 11-Beta Dehydrogenase 1
ABCD1	ATP Binding Cassette Subfamily D Member 1

WNT11	Wnt Family Member 11
CAV2	Caveolin 2
DDX6	DEAD-Box Helicase 6
DUS4L	Dihydrouridine Synthase 4 Like
KIF3A	Kinesin Family Member 3A
ACTA1	Actin Alpha 1, Skeletal Muscle
FIG4	FIG4 Phosphoinositide 5-Phosphatase
CARD10	Caspase Recruitment Domain Family Member 10
LMNB1	Lamin B1
GAS6	Growth Arrest Specific 6
PLA2G12B	Phospholipase A2 Group XIIB
AHR	Aryl Hydrocarbon Receptor
HLA-E	Major Histocompatibility Complex, Class I, E
MADCAM1	Mucosal Vascular Addressin Cell Adhesion Molecule 1
RACGAP1	Rac GTPase Activating Protein 1
SPTA1	Spectrin Alpha, Erythrocytic 1
HLA-DMA	Major Histocompatibility Complex, Class II, DM Alpha
MTX2	Metaxin 2
CTAG1B	Cancer/Testis Antigen 1B
CSNK1E	Casein Kinase 1 Epsilon
GRN	Granulin Precursor
KIR2DS2	Killer Cell Immunoglobulin Like Receptor, Two Ig Domains And Short Cytoplasmic Tail 2
ATP6V0A1	ATPase H+ Transporting V0 Subunit A1
TTC36	Tetratricopeptide Repeat Domain 36
KIR3DL1	Killer Cell Immunoglobulin Like Receptor, Three Ig Domains And Long Cytoplasmic Tail 1

FCGR3A	Fc Gamma Receptor IIIa
SEC61B	SEC61 Translocon Subunit Beta
NELFA	Negative Elongation Factor Complex Member A
CEBPB	CCAAT Enhancer Binding Protein Beta
DBI	Diazepam Binding Inhibitor, Acyl-CoA Binding Protein
IFNL1	Interferon Lambda 1
RNASEH1	Ribonuclease H1
MAT2A	Methionine Adenosyltransferase 2A
HLA-DRB3	Major Histocompatibility Complex, Class II, DR Beta 3
FAM174A	Family With Sequence Similarity 174 Member A
APOA2	Apolipoprotein A2
SLC1A1	Solute Carrier Family 1 Member 1
IL1RAPL2	Interleukin 1 Receptor Accessory Protein Like 2
APBB1	Amyloid Beta Precursor Protein Binding Family B Member 1
DGAT1	Diacylglycerol O-Acyltransferase 1
CDKN1C	Cyclin Dependent Kinase Inhibitor 1C
FYN	FYN Proto-Oncogene, Src Family Tyrosine Kinase
SATB2	SATB Homeobox 2
E4F1	E4F Transcription Factor 1
GRAMD1A	GRAM Domain Containing 1A
ACKR2	Atypical Chemokine Receptor 2
CXCL11	C-X-C Motif Chemokine Ligand 11
C5	Complement C5
CD163	CD163 Molecule
SOX2	SRY-Box Transcription Factor 2

RILPL2	Rab Interacting Lysosomal Protein Like 2
SLC7A5	Solute Carrier Family 7 Member 5
MAN1B1	Mannosidase Alpha Class 1B Member 1
ANXA2	Annexin A2
LRCH2	Leucine Rich Repeats And Calponin Homology Domain Containing 2
OPTN	Optineurin
CXCR2	C-X-C Motif Chemokine Receptor 2
ANXA5	Annexin A5
CXCR5	C-X-C Motif Chemokine Receptor 5
CACNA1S	Calcium Voltage-Gated Channel Subunit Alpha1 S
FURIN	Furin, Paired Basic Amino Acid Cleaving Enzyme
CFB	Complement Factor B
HDGF	Heparin Binding Growth Factor
CCN1	Cellular Communication Network Factor 1
MAGEC2	MAGE Family Member C2
SLC22A4	Solute Carrier Family 22 Member 4
SLC6A4	Solute Carrier Family 6 Member 4
FXN	Fratxin
SMC5	Structural Maintenance Of Chromosomes 5
RPL5	Ribosomal Protein L5
TOP1	DNA Topoisomerase I
NGF	Nerve Growth Factor
VCP	Valosin Containing Protein
SEPTIN9	Septin 9
VASH1	Vasohibin 1

SERPINB5	Serpin Family B Member 5
NDUFS1	NADH:Ubiquinone Oxidoreductase Core Subunit S1
NDUFB9	NADH:Ubiquinone Oxidoreductase Subunit B9
MEFV	MEFV Innate Immunity Regulator, Pyrin
SLC22A1	Solute Carrier Family 22 Member 1
APP	Amyloid Beta Precursor Protein
CACNA1A	Calcium Voltage-Gated Channel Subunit Alpha1 A
KCNJ10	Potassium Inwardly Rectifying Channel Subfamily J Member 10
KCNN2	Potassium Calcium-Activated Channel Subfamily N Member 2
KIF1C	Kinesin Family Member 1C
GATAD1	GATA Zinc Finger Domain Containing 1
HARS1	Histidyl-TRNA Synthetase 1
GNLY	Granulysin
TNFSF12	TNF Superfamily Member 12
GATA2	GATA Binding Protein 2
WNT4	Wnt Family Member 4
UMOD	Uromodulin
CR1	Complement C3b/C4b Receptor 1 (Knops Blood Group)
TPX2	TPX2 Microtubule Nucleation Factor
NEO1	Neogenin 1
AOC3	Amine Oxidase Copper Containing 3
LGR5	Leucine Rich Repeat Containing G Protein-Coupled Receptor 5
RHOC	Ras Homolog Family Member C
RAG1	Recombination Activating 1
LYST	Lysosomal Trafficking Regulator

HRH3	Histamine Receptor H3
SLC6A14	Solute Carrier Family 6 Member 14
TAB1	TGF-Beta Activated Kinase 1 (MAP3K7) Binding Protein 1
KCNK4	Potassium Two Pore Domain Channel Subfamily K Member 4
F9	Coagulation Factor IX
PRKAA2	Protein Kinase AMP-Activated Catalytic Subunit Alpha 2
SLC38A5	Solute Carrier Family 38 Member 5
PRKCZ	Protein Kinase C Zeta
HSPH1	Heat Shock Protein Family H (Hsp110) Member 1
CLEC16A	C-Type Lectin Domain Containing 16A
MAGEA4	MAGE Family Member A4
TNFAIP2	TNF Alpha Induced Protein 2
CSF1	Colony Stimulating Factor 1
GJB1	Gap Junction Protein Beta 1
AICDA	Activation Induced Cytidine Deaminase
CCL17	C-C Motif Chemokine Ligand 17
CXCL13	C-X-C Motif Chemokine Ligand 13
TNFRSF6B	TNF Receptor Superfamily Member 6b
APOA4	Apolipoprotein A4
RHD	Rh Blood Group D Antigen
TGM2	Transglutaminase 2
GNB3	G Protein Subunit Beta 3
IL1RL1	Interleukin 1 Receptor Like 1
RARRES2	Retinoic Acid Receptor Responder 2
SAPCD2	Suppressor APC Domain Containing 2

IRF8	Interferon Regulatory Factor 8
TG	Thyroglobulin
RNF7	Ring Finger Protein 7
GLYAT	Glycine-N-Acyltransferase
STARD13	StAR Related Lipid Transfer Domain Containing 13
URB2	URB2 Ribosome Biogenesis Homolog
ACP1	Acid Phosphatase 1
PDPN	Podoplanin
MGAT3	Beta-1,4-Mannosyl-Glycoprotein 4-Beta-N-Acetylglucosaminyltransferase
UQCRB	Ubiquinol-Cytochrome C Reductase Binding Protein
MTR	5-Methyltetrahydrofolate-Homocysteine Methyltransferase
AREG	Amphiregulin
CLEC7A	C-Type Lectin Domain Containing 7A
RPS6KA1	Ribosomal Protein S6 Kinase A1
ARSA	Arylsulfatase A
CCND3	Cyclin D3
OSM	Oncostatin M
H2AC18	H2A Clustered Histone 18
CES2	Carboxylesterase 2
DNASE2	Deoxyribonuclease 2, Lysosomal
HELLS	Helicase, Lymphoid Specific
CEL	Carboxyl Ester Lipase
CD69	CD69 Molecule
IL9	Interleukin 9
FDFT1	Farnesyl-Diphosphate Farnesyltransferase 1

ACER3	Alkaline Ceramidase 3
VANGL1	VANGL Planar Cell Polarity Protein 1
IGHM	Immunoglobulin Heavy Constant Mu
FGGY	FGGY Carbohydrate Kinase Domain Containing
RPS27A	Ribosomal Protein S27a
DHDDS	Dehydrodolichyl Diphosphate Synthase Subunit
CYBB	Cytochrome B-245 Beta Chain
SRD5A3	Steroid 5 Alpha-Reductase 3
EHMT2	Euchromatic Histone Lysine Methyltransferase 2
IGFBP2	Insulin Like Growth Factor Binding Protein 2
NEUROD1	Neuronal Differentiation 1
APOM	Apolipoprotein M
CX3CR1	C-X3-C Motif Chemokine Receptor 1
RACK1	Receptor For Activated C Kinase 1
FGF7	Fibroblast Growth Factor 7
LARP1	La Ribonucleoprotein 1, Translational Regulator
HINT2	Histidine Triad Nucleotide Binding Protein 2
SLC25A47	Solute Carrier Family 25 Member 47
CLPX	Caseinolytic Mitochondrial Matrix Peptidase Chaperone Subunit X
PIM2	Pim-2 Proto-Oncogene, Serine/Threonine Kinase
TMEM176A	Transmembrane Protein 176A
SLC25A28	Solute Carrier Family 25 Member 28
OXA1L	OXA1L Mitochondrial Inner Membrane Protein
CANX	Calnexin
FH	Fumarate Hydratase

ITGAM	Integrin Subunit Alpha M
EZR	Ezrin
LPA	Lipoprotein(A)
PON3	Paraoxonase 3
CH25H	Cholesterol 25-Hydroxylase
FAM13A	Family With Sequence Similarity 13 Member A
PRNP	Prion Protein
GLI1	GLI Family Zinc Finger 1
FCRL3	Fc Receptor Like 3
ROR2	Receptor Tyrosine Kinase Like Orphan Receptor 2
TFDP1	Transcription Factor Dp-1
CTNNBIP1	Catenin Beta Interacting Protein 1
SRA1	Steroid Receptor RNA Activator 1
RIOX2	Ribosomal Oxygenase 2
NFKB2	Nuclear Factor Kappa B Subunit 2
TLR8	Toll Like Receptor 8
CISH	Cytokine Inducible SH2 Containing Protein
HBS1L	HBS1 Like Translational GTPase
S100A9	S100 Calcium Binding Protein A9
CRH	Corticotropin Releasing Hormone
ADIPOR1	Adiponectin Receptor 1
PECAM1	Platelet And Endothelial Cell Adhesion Molecule 1
POSTN	Periostin
WNT7A	Wnt Family Member 7A
MCU	Mitochondrial Calcium Uniporter

NOTUM	Notum, Palmitoleoyl-Protein Carboxylesterase
PRPSAP1	Phosphoribosyl Pyrophosphate Synthetase Associated Protein 1
CDR1	Cerebellar Degeneration Related Protein 1
TFDP3	Transcription Factor Dp Family Member 3
PF4	Platelet Factor 4
SPTBN1	Spectrin Beta, Non-Erythrocytic 1
SPINT2	Serine Peptidase Inhibitor, Kunitz Type 2
SOCS2	Suppressor Of Cytokine Signaling 2
ACP5	Acid Phosphatase 5, Tartrate Resistant
COMT	Catechol-O-Methyltransferase
KCTD2	Potassium Channel Tetramerization Domain Containing 2
PTH1H	Parathyroid Hormone Like Hormone
IL3	Interleukin 3
EBI3	Epstein-Barr Virus Induced 3
PRKCI	Protein Kinase C Iota
FGF3	Fibroblast Growth Factor 3
WNT5B	Wnt Family Member 5B
TCF7	Transcription Factor 7
CLDN10	Claudin 10
DKK2	Dickkopf WNT Signaling Pathway Inhibitor 2
VPS37A	VPS37A Subunit Of ESCRT-I
WNT7B	Wnt Family Member 7B
WNT8B	Wnt Family Member 8B
BCL9	BCL9 Transcription Coactivator
CBX4	Chromobox 4

GPC5	Glypican 5
TCF7L1	Transcription Factor 7 Like 1
FOXD3	Forkhead Box D3
NUS1	NUS1 Dehydrodolichyl Diphosphate Synthase Subunit
CAB39	Calcium Binding Protein 39
FRAT1	FRAT Regulator Of WNT Signaling Pathway 1
MAP3K20	Mitogen-Activated Protein Kinase Kinase Kinase 20
DKK4	Dickkopf WNT Signaling Pathway Inhibitor 4
DYNLRB1	Dynein Light Chain Roadblock-Type 1
ARC	Activity Regulated Cytoskeleton Associated Protein
RAB11FIP4	RAB11 Family Interacting Protein 4
UFC1	Ubiquitin-Fold Modifier Conjugating Enzyme 1
OIT3	Oncoprotein Induced Transcript 3
LRRC56	Leucine Rich Repeat Containing 56
MYCT1	MYC Target 1
NKD1	NKD Inhibitor Of WNT Signaling Pathway 1
SOX7	SRY-Box Transcription Factor 7
TIFA	TRAF Interacting Protein With Forkhead Associated Domain
ARHGEF39	Rho Guanine Nucleotide Exchange Factor 39
NKD2	NKD Inhibitor Of WNT Signaling Pathway 2
CHP2	Calcineurin Like EF-Hand Protein 2
CNOT9	CCR4-NOT Transcription Complex Subunit 9
PLPP5	Phospholipid Phosphatase 5
HEPN1	Hepatocellular Carcinoma, Down-Regulated 1
C14orf132	Chromosome 14 Open Reading Frame 132

C20orf204	Chromosome 20 Open Reading Frame 204
PERCC1	Proline And Glutamate Rich With Coiled Coil 1
MOB3B	MOB Kinase Activator 3B
CYP21A2	Cytochrome P450 Family 21 Subfamily A Member 2
FXVD2	FXVD Domain Containing Ion Transport Regulator 2
DCTN1	Dynactin Subunit 1
RAB27A	RAB27A, Member RAS Oncogene Family
AGPAT1	1-Acylglycerol-3-Phosphate O-Acyltransferase 1
ESR2	Estrogen Receptor 2
HGB2	Hemoglobin Subunit Gamma 2
VPS33A	VPS33A Core Subunit Of CORVET And HOPS Complexes
HSD17B4	Hydroxysteroid 17-Beta Dehydrogenase 4
BCL2L11	BCL2 Like 11
MCM2	Minichromosome Maintenance Complex Component 2
RSPO1	R-Spondin 1
DCLK1	Doublecortin Like Kinase 1
CES1	Carboxylesterase 1
IL23R	Interleukin 23 Receptor
ERCC5	ERCC Excision Repair 5, Endonuclease
SKI	SKI Proto-Oncogene
UNC45A	Unc-45 Myosin Chaperone A
C4orf54	Chromosome 4 Open Reading Frame 54
ENTPD1	Ectonucleoside Triphosphate Diphosphohydrolase 1
VTN	Vitronectin
STN1	STN1 Subunit Of CST Complex

ICOSLG	Inducible T Cell Costimulator Ligand
PGF	Placental Growth Factor
HGD	Homogentisate 1,2-Dioxygenase
PDX1	Pancreatic And Duodenal Homeobox 1
FUT2	Fucosyltransferase 2
IRF9	Interferon Regulatory Factor 9
PITRM1	Pitriysin Metallopeptidase 1
ALDOA	Aldolase, Fructose-Bisphosphate A
TYMS	Thymidylate Synthetase
ABCF1	ATP Binding Cassette Subfamily F Member 1
SLC27A5	Solute Carrier Family 27 Member 5
C2	Complement C2
MLN	Motilin
FOXO3	Forkhead Box O3
KCNK2	Potassium Two Pore Domain Channel Subfamily K Member 2
PIK3CG	Phosphatidylinositol-4,5-Bisphosphate 3-Kinase Catalytic Subunit Gamma
ANGPTL3	Angiopoietin Like 3
PLK1	Polo Like Kinase 1
PYY	Peptide YY
TKT	Transketolase
PPP1R15B	Protein Phosphatase 1 Regulatory Subunit 15B
ESM1	Endothelial Cell Specific Molecule 1
CASR	Calcium Sensing Receptor
FGFR4	Fibroblast Growth Factor Receptor 4
IL17RA	Interleukin 17 Receptor A

DDAH2	Dimethylarginine Dimethylaminohydrolase 2
ABCG2	ATP Binding Cassette Subfamily G Member 2 (Junior Blood Group)
SMO	Smoothed, Frizzled Class Receptor
CX3CL1	C-X3-C Motif Chemokine Ligand 1
MGME1	Mitochondrial Genome Maintenance Exonuclease 1
CCS	Copper Chaperone For Superoxide Dismutase
BCHE	Butyrylcholinesterase
RAB7A	RAB7A, Member RAS Oncogene Family
F10	Coagulation Factor X
APOBEC1	Apolipoprotein B mRNA Editing Enzyme Catalytic Subunit 1
SERPINA2	Serpin Family A Member 2 (Gene/Pseudogene)
GATA4	GATA Binding Protein 4
FUT8	Fucosyltransferase 8
LTBR	Lymphotoxin Beta Receptor
PNOC	Prepronociceptin
APOC2	Apolipoprotein C2
HNRNPA2B1	Heterogeneous Nuclear Ribonucleoprotein A2/B1
LPIN2	Lipin 2
TRMT10A	TRNA Methyltransferase 10A
DNM2	Dynamin 2
DGAT2	Diacylglycerol O-Acyltransferase 2
PDHB	Pyruvate Dehydrogenase E1 Subunit Beta
PRMT1	Protein Arginine Methyltransferase 1
SLC39A1	Solute Carrier Family 39 Member 1
TCF19	Transcription Factor 19

TTF2	Transcription Termination Factor 2
LCN1	Lipocalin 1
MMAA	Metabolism Of Cobalamin Associated A
CDAN1	Codanin 1
SPTAN1	Spectrin Alpha, Non-Erythrocytic 1
NFKBIL1	NFKB Inhibitor Like 1
HLA-DOB	Major Histocompatibility Complex, Class II, DO Beta
SERPINH1	Serpin Family H Member 1
SLC33A1	Solute Carrier Family 33 Member 1
FST	Follistatin
VHL	Von Hippel-Lindau Tumor Suppressor
SOST	Sclerostin
SLC39A4	Solute Carrier Family 39 Member 4
ATG16L1	Autophagy Related 16 Like 1
PRIMPOL	Primase And DNA Directed Polymerase
ATP4A	ATPase H+/K+ Transporting Subunit Alpha
ALG12	ALG12 Alpha-1,6-Mannosyltransferase
UBC	Ubiquitin C
TSHR	Thyroid Stimulating Hormone Receptor
PFAS	Phosphoribosylformylglycinamide Synthase
DUS4L-BCAP29	DUS4L-BCAP29 Readthrough
MGLL	Monoglyceride Lipase
SFTPA1	Surfactant Protein A1
MPDU1	Mannose-P-Dolichol Utilization Defect 1
RPS25	Ribosomal Protein S25

DNAJB1	DnaJ Heat Shock Protein Family (Hsp40) Member B1
DRD2	Dopamine Receptor D2
ERCC2	ERCC Excision Repair 2, TFIIH Core Complex Helicase Subunit
BAD	BCL2 Associated Agonist Of Cell Death
MUC5AC	Mucin 5AC, Oligomeric Mucus/Gel-Forming
CASP1	Caspase 1
FBXW7	F-Box And WD Repeat Domain Containing 7
IGF2BP3	Insulin Like Growth Factor 2 mRNA Binding Protein 3
SUOX	Sulfite Oxidase
DNASE1	Deoxyribonuclease 1
SLC26A4	Solute Carrier Family 26 Member 4
SIRT3	Sirtuin 3
IRAK1	Interleukin 1 Receptor Associated Kinase 1
CCR7	C-C Motif Chemokine Receptor 7
CYP1B1	Cytochrome P450 Family 1 Subfamily B Member 1
RORC	RAR Related Orphan Receptor C
KIR3DS1	Killer Cell Immunoglobulin Like Receptor, Three Ig Domains And Short Cytoplasmic Tail 1
SLC30A2	Solute Carrier Family 30 Member 2
NCOA3	Nuclear Receptor Coactivator 3
TP73	Tumor Protein P73
ITGAV	Integrin Subunit Alpha V
SRPK2	SRSF Protein Kinase 2
CSN1S1	Casein Alpha S1
IL7	Interleukin 7
HLA-DOA	Major Histocompatibility Complex, Class II, DO Alpha

ERLIN1	ER Lipid Raft Associated 1
FGF1	Fibroblast Growth Factor 1
PTRH2	Peptidyl-TRNA Hydrolase 2
EDNRB	Endothelin Receptor Type B
FCAR	Fc Alpha Receptor
NT5E	5'-Nucleotidase Ecto
RPL11	Ribosomal Protein L11
IL27	Interleukin 27
FIP1L1	Factor Interacting With PAPOLA And CPSF1
PANK1	Pantothenate Kinase 1
TRB	T Cell Receptor Beta Locus
LIPF	Lipase F, Gastric Type
SNCA	Synuclein Alpha
CDIN1	CDAN1 Interacting Nuclease 1
PHB2	Prohibitin 2
IDE	Insulin Degrading Enzyme
PROS1	Protein S
HLA-DMB	Major Histocompatibility Complex, Class II, DM Beta
FARS2	Phenylalanyl-TRNA Synthetase 2, Mitochondrial
DNA2	DNA Replication Helicase/Nuclease 2
MDC1	Mediator Of DNA Damage Checkpoint 1
NKX2-1	NK2 Homeobox 1
IFNGR2	Interferon Gamma Receptor 2
RPS18	Ribosomal Protein S18
ATF6B	Activating Transcription Factor 6 Beta

PGD	Phosphogluconate Dehydrogenase
DDX5	DEAD-Box Helicase 5
COL4A2	Collagen Type IV Alpha 2 Chain
ID2	Inhibitor Of DNA Binding 2
CCL27	C-C Motif Chemokine Ligand 27
SERPINB1	Serpin Family B Member 1
ACE2	Angiotensin Converting Enzyme 2
PDGFC	Platelet Derived Growth Factor C
TCOF1	Treacle Ribosome Biogenesis Factor 1
ITGB2	Integrin Subunit Beta 2
PARS2	Prolyl-TRNA Synthetase 2, Mitochondrial
KIR2DS4	Killer Cell Immunoglobulin Like Receptor, Two Ig Domains And Short Cytoplasmic Tail 4
FUS	FUS RNA Binding Protein
COL14A1	Collagen Type XIV Alpha 1 Chain
M6PR	Mannose-6-Phosphate Receptor, Cation Dependent
NPC1L1	NPC1 Like Intracellular Cholesterol Transporter 1
EPAS1	Endothelial PAS Domain Protein 1
NUP62	Nucleoporin 62
CGAS	Cyclic GMP-AMP Synthase
PHB1	Prohibitin 1
LRBA	LPS Responsive Beige-Like Anchor Protein
MERTK	MER Proto-Oncogene, Tyrosine Kinase
SMARCA4	SWI/SNF Related, Matrix Associated, Actin Dependent Regulator Of Chromatin, Subfamily A, Member 4
USP9X	Ubiquitin Specific Peptidase 9 X-Linked
TGFBR3	Transforming Growth Factor Beta Receptor 3

CTSD	Cathepsin D
LDLRAP1	Low Density Lipoprotein Receptor Adaptor Protein 1
PRSS1	Serine Protease 1
KIR2DS1	Killer Cell Immunoglobulin Like Receptor, Two Ig Domains And Short Cytoplasmic Tail 1
TNFAIP8L2	TNF Alpha Induced Protein 8 Like 2
CCR1	C-C Motif Chemokine Receptor 1
LRP1	LDL Receptor Related Protein 1
ALK	ALK Receptor Tyrosine Kinase
TNFSF9	TNF Superfamily Member 9
KIR3DL3	Killer Cell Immunoglobulin Like Receptor, Three Ig Domains And Long Cytoplasmic Tail 3
HSPA8	Heat Shock Protein Family A (Hsp70) Member 8
FUCA1	Alpha-L-Fucosidase 1
ZCCHC8	Zinc Finger CCHC-Type Containing 8
PLCL2	Phospholipase C Like 2
PON2	Paraoxonase 2
NTS	Neurotensin
GLI2	GLI Family Zinc Finger 2
SOAT1	Sterol O-Acyltransferase 1
CCL21	C-C Motif Chemokine Ligand 21
IL32	Interleukin 32
METTL3	Methyltransferase 3, N6-Adenosine-Methyltransferase Complex Catalytic Subunit
BLOC1S1	Biogenesis Of Lysosomal Organelles Complex 1 Subunit 1
ITGB6	Integrin Subunit Beta 6
BID	BH3 Interacting Domain Death Agonist
ODC1	Ornithine Decarboxylase 1

PKLR	Pyruvate Kinase L/R
PRKN	Parkin RBR E3 Ubiquitin Protein Ligase
MYO1B	Myosin IB
FSCN1	Fascin Actin-Bundling Protein 1
CYP4F2	Cytochrome P450 Family 4 Subfamily F Member 2
CBL	Cbl Proto-Oncogene
RARS2	Arginyl-TRNA Synthetase 2, Mitochondrial
ATP1A1	ATPase Na ⁺ /K ⁺ Transporting Subunit Alpha 1
KIR2DS3	Killer Cell Immunoglobulin Like Receptor, Two Ig Domains And Short Cytoplasmic Tail 3
GABRG2	Gamma-Aminobutyric Acid Type A Receptor Subunit Gamma2
IDUA	Alpha-L-Iduronidase
NR1D1	Nuclear Receptor Subfamily 1 Group D Member 1
LPCAT3	Lysophosphatidylcholine Acyltransferase 3
KIR2DL5A	Killer Cell Immunoglobulin Like Receptor, Two Ig Domains And Long Cytoplasmic Tail 5A
MTHFSD	Methenyltetrahydrofolate Synthetase Domain Containing
CD68	CD68 Molecule
NNMT	Nicotinamide N-Methyltransferase
MSR1	Macrophage Scavenger Receptor 1
SLC35C1	Solute Carrier Family 35 Member C1
FGFR2	Fibroblast Growth Factor Receptor 2
SMC6	Structural Maintenance Of Chromosomes 6
SCARA5	Scavenger Receptor Class A Member 5
MSBP1	Minisatellite Binding Protein 1
NAB1	NGFI-A Binding Protein 1
DBH	Dopamine Beta-Hydroxylase

LY6G5B	Lymphocyte Antigen 6 Family Member G5B
KIR2DL1	Killer Cell Immunoglobulin Like Receptor, Two Ig Domains And Long Cytoplasmic Tail 1
RPS6KA4	Ribosomal Protein S6 Kinase A4
AARS1	Alanyl-TRNA Synthetase 1
ERBB3	Erb-B2 Receptor Tyrosine Kinase 3
EEF1A1	Eukaryotic Translation Elongation Factor 1 Alpha 1
THBS1	Thrombospondin 1
DPM2	Dolichyl-Phosphate Mannosyltransferase Subunit 2, Regulatory
MLH1	MutL Homolog 1
RGMB	Repulsive Guidance Molecule BMP Co-Receptor B
A2M	Alpha-2-Macroglobulin
NKX6-1	NK6 Homeobox 1
ABCB6	ATP Binding Cassette Subfamily B Member 6 (Langereis Blood Group)
RNASEL	Ribonuclease L
YY1	YY1 Transcription Factor
RTN4	Reticulon 4
NRP1	Neuropilin 1
DPM3	Dolichyl-Phosphate Mannosyltransferase Subunit 3, Regulatory
PIAS3	Protein Inhibitor Of Activated STAT 3
CCR9	C-C Motif Chemokine Receptor 9
UBE2B	Ubiquitin Conjugating Enzyme E2 B
GTPBP1	GTP Binding Protein 1
MUC6	Mucin 6, Oligomeric Mucus/Gel-Forming
HKDC1	Hexokinase Domain Containing 1
SYVN1	Synoviolin 1

MTARC1	Mitochondrial Amidoxime Reducing Component 1
CD63	CD63 Molecule
IL37	Interleukin 37
PSMB4	Proteasome 20S Subunit Beta 4
HSF1	Heat Shock Transcription Factor 1
RAB11A	RAB11A, Member RAS Oncogene Family
NOX4	NADPH Oxidase 4
AIM2	Absent In Melanoma 2
CDC42	Cell Division Cycle 42
NOX1	NADPH Oxidase 1
ALCAM	Activated Leukocyte Cell Adhesion Molecule
IL18R1	Interleukin 18 Receptor 1
HSD3B1	Hydroxy-Delta-5-Steroid Dehydrogenase, 3 Beta- And Steroid Delta-Isomerase 1
SLC39A13	Solute Carrier Family 39 Member 13
CCL8	C-C Motif Chemokine Ligand 8
MSTN	Myostatin
MARS2	Methionyl-TRNA Synthetase 2, Mitochondrial
HTRA1	HtrA Serine Peptidase 1
RIPK3	Receptor Interacting Serine/Threonine Kinase 3
KIR2DL4	Killer Cell Immunoglobulin Like Receptor, Two Ig Domains And Long Cytoplasmic Tail 4
FOXP1	Forkhead Box P1
AOC1	Amine Oxidase Copper Containing 1
ICAM3	Intercellular Adhesion Molecule 3
PRDM1	PR/SET Domain 1
CYP51A1	Cytochrome P450 Family 51 Subfamily A Member 1

JAG2	Jagged Canonical Notch Ligand 2
RBP1	Retinol Binding Protein 1
UGT3A1	UDP Glycosyltransferase Family 3 Member A1
HDAC9	Histone Deacetylase 9
OSTM1	Osteoclastogenesis Associated Transmembrane Protein 1
RBM24	RNA Binding Motif Protein 24
PNPLA5	Patatin Like Phospholipase Domain Containing 5
ALG11	ALG11 Alpha-1,2-Mannosyltransferase
DOLK	Dolichol Kinase
LY9	Lymphocyte Antigen 9
NTF3	Neurotrophin 3
CXCR6	C-X-C Motif Chemokine Receptor 6
MOGS	Mannosyl-Oligosaccharide Glucosidase
MORN1	MORN Repeat Containing 1
CXCL5	C-X-C Motif Chemokine Ligand 5
TLR1	Toll Like Receptor 1
KIF1B	Kinesin Family Member 1B
ALOX5	Arachidonate 5-Lipoxygenase
HPD	4-Hydroxyphenylpyruvate Dioxygenase
ELP3	Elongator Acetyltransferase Complex Subunit 3
MYCN	MYCN Proto-Oncogene, BHLH Transcription Factor
ERBB4	Erb-B2 Receptor Tyrosine Kinase 4
CDC6	Cell Division Cycle 6
CDIPT	CDP-Diacylglycerol--Inositol 3-Phosphatidyltransferase
AKR1C4	Aldo-Keto Reductase Family 1 Member C4

KCNJ11	Potassium Inwardly Rectifying Channel Subfamily J Member 11
ECE1	Endothelin Converting Enzyme 1
CNTNAP2	Contactin Associated Protein 2
SIRT6	Sirtuin 6
HK1	Hexokinase 1
ITGB3	Integrin Subunit Beta 3
NRIP2	Nuclear Receptor Interacting Protein 2
HERPUD2	HERPUD Family Member 2
MTERF1	Mitochondrial Transcription Termination Factor 1
RETREG3	Reticulophagy Regulator Family Member 3
ELAPOR2	Endosome-Lysosome Associated Apoptosis And Autophagy Regulator Family Member 2
TUBB1	Tubulin Beta 1 Class VI
GMPR	Guanosine Monophosphate Reductase
CD38	CD38 Molecule
UQCRQ	Ubiquinol-Cytochrome C Reductase Complex III Subunit VII
TNFRSF4	TNF Receptor Superfamily Member 4
DNAL1	Dynein Axonemal Light Chain 1
AKR1C2	Aldo-Keto Reductase Family 1 Member C2
AKAP12	A-Kinase Anchoring Protein 12
CS	Citrate Synthase
MBP	Myelin Basic Protein
HLA-DRB4	Major Histocompatibility Complex, Class II, DR Beta 4
SALL4	Spalt Like Transcription Factor 4
SLC31A1	Solute Carrier Family 31 Member 1
TRADD	TNFRSF1A Associated Via Death Domain

GCKR	Glucokinase Regulator
ST6GAL1	ST6 Beta-Galactoside Alpha-2,6-Sialyltransferase 1
CCR3	C-C Motif Chemokine Receptor 3
GSTA1	Glutathione S-Transferase Alpha 1
IGF2BP1	Insulin Like Growth Factor 2 mRNA Binding Protein 1
MSH5	MutS Homolog 5
SRD5A2	Steroid 5 Alpha-Reductase 2
SSTR2	Somatostatin Receptor 2
CD180	CD180 Molecule
TOLLIP	Toll Interacting Protein
BMP10	Bone Morphogenetic Protein 10
DLL1	Delta Like Canonical Notch Ligand 1
ADAM17	ADAM Metallopeptidase Domain 17
FAM126A	Family With Sequence Similarity 126 Member A
RELN	Reelin
RPS17	Ribosomal Protein S17
MED23	Mediator Complex Subunit 23
PCBP1	Poly(RC) Binding Protein 1
EPHX2	Epoxide Hydrolase 2
MUC16	Mucin 16, Cell Surface Associated
F2R	Coagulation Factor II Thrombin Receptor
FKBP5	FKBP Prolyl Isomerase 5
KCNRG	Potassium Channel Regulator
DPP6	Dipeptidyl Peptidase Like 6
NEFH	Neurofilament Heavy Chain

ALS2	Alsin Rho Guanine Nucleotide Exchange Factor ALS2
SPG11	SPG11 Vesicle Trafficking Associated, Spatacsin
TEX14	Testis Expressed 14, Intercellular Bridge Forming Factor
UNC13A	Unc-13 Homolog A
MELTF	Melanotransferrin
RUNX1	RUNX Family Transcription Factor 1
FNDC5	Fibronectin Type III Domain Containing 5
STAP1	Signal Transducing Adaptor Family Member 1
KIR3DL2	Killer Cell Immunoglobulin Like Receptor, Three Ig Domains And Long Cytoplasmic Tail 2
SIK1	Salt Inducible Kinase 1
HRH2	Histamine Receptor H2
RAB18	RAB18, Member RAS Oncogene Family
RAB5A	RAB5A, Member RAS Oncogene Family
FOXE1	Forkhead Box E1
ABCA3	ATP Binding Cassette Subfamily A Member 3
CCL25	C-C Motif Chemokine Ligand 25
STMN1	Stathmin 1
TET2	Tet Methylcytosine Dioxygenase 2
SERPINB2	Serpin Family B Member 2
TNFSF4	TNF Superfamily Member 4
COL11A1	Collagen Type XI Alpha 1 Chain
PSORS1C1	Psoriasis Susceptibility 1 Candidate 1
HTR1A	5-Hydroxytryptamine Receptor 1A
NGFR	Nerve Growth Factor Receptor
FCER2	Fc Epsilon Receptor II

COL4A1	Collagen Type IV Alpha 1 Chain
NES	Nestin
CHRNA3	Cholinergic Receptor Nicotinic Alpha 3 Subunit
MB	Myoglobin
MDK	Midkine
TNFRSF25	TNF Receptor Superfamily Member 25
EXOSC3	Exosome Component 3
TRIM21	Tripartite Motif Containing 21
TK2	Thymidine Kinase 2
MTAP	Methylthioadenosine Phosphorylase
CD24	CD24 Molecule
GSN	Gelsolin
AQP3	Aquaporin 3 (Gill Blood Group)
RPS27	Ribosomal Protein S27
RPS19	Ribosomal Protein S19
OGG1	8-Oxoguanine DNA Glycosylase
TGFBRAP1	Transforming Growth Factor Beta Receptor Associated Protein 1
MYB	MYB Proto-Oncogene, Transcription Factor
MFAP4	Microfibril Associated Protein 4
TTPA	Alpha Tocopherol Transfer Protein
BMI1	BMI1 Proto-Oncogene, Polycomb Ring Finger
HHIP	Hedgehog Interacting Protein
ITGA8	Integrin Subunit Alpha 8
FBLN5	Fibulin 5
NDUFB11	NADH:Ubiquinone Oxidoreductase Subunit B11

USF1	Upstream Transcription Factor 1
SMURF2	SMAD Specific E3 Ubiquitin Protein Ligase 2
ACSF3	Acyl-CoA Synthetase Family Member 3
SEMA3C	Semaphorin 3C
EGR1	Early Growth Response 1
HTR2A	5-Hydroxytryptamine Receptor 2A
SLC6A3	Solute Carrier Family 6 Member 3
CAV3	Caveolin 3
SLC25A22	Solute Carrier Family 25 Member 22
POLE	DNA Polymerase Epsilon, Catalytic Subunit
TMEM165	Transmembrane Protein 165
HABP2	Hyaluronan Binding Protein 2
PDHA1	Pyruvate Dehydrogenase E1 Subunit Alpha 1
KLHL12	Kelch Like Family Member 12
PNPLA6	Patatin Like Phospholipase Domain Containing 6
PCSK7	Proprotein Convertase Subtilisin/Kexin Type 7
KIF23	Kinesin Family Member 23
TH	Tyrosine Hydroxylase
IRAK3	Interleukin 1 Receptor Associated Kinase 3
TRAF1	TNF Receptor Associated Factor 1
MBD6	Methyl-CpG Binding Domain Protein 6
SSTR3	Somatostatin Receptor 3
HEY1	Hes Related Family BHLH Transcription Factor With YRPW Motif 1
ENTPD2	Ectonucleoside Triphosphate Diphosphohydrolase 2
VEGFD	Vascular Endothelial Growth Factor D

CCL16	C-C Motif Chemokine Ligand 16
CCL7	C-C Motif Chemokine Ligand 7
S100A4	S100 Calcium Binding Protein A4
SLC29A1	Solute Carrier Family 29 Member 1 (Augustine Blood Group)
NLRX1	NLR Family Member X1
TREM1	Triggering Receptor Expressed On Myeloid Cells 1
SNRNP70	Small Nuclear Ribonucleoprotein U1 Subunit 70
SMARCE1	SWI/SNF Related, Matrix Associated, Actin Dependent Regulator Of Chromatin, Subfamily E, Member 1
LAP3	Leucine Aminopeptidase 3
ANXA6	Annexin A6
TPR	Translocated Promoter Region, Nuclear Basket Protein
KLRG1	Killer Cell Lectin Like Receptor G1
LYRM4	LYR Motif Containing 4
CNP	2',3'-Cyclic Nucleotide 3' Phosphodiesterase
PPBP	Pro-Platelet Basic Protein
TMLHE	Trimethyllysine Hydroxylase, Epsilon
KRT71	Keratin 71
ATP5F1A	ATP Synthase F1 Subunit Alpha
LYVE1	Lymphatic Vessel Endothelial Hyaluronan Receptor 1
MUC4	Mucin 4, Cell Surface Associated
KDM6A	Lysine Demethylase 6A
PALLD	Palladin, Cytoskeletal Associated Protein
PAX8	Paired Box 8
LECT2	Leukocyte Cell Derived Chemotaxin 2
GLO1	Glyoxalase I

CD9	CD9 Molecule
MMP8	Matrix Metallopeptidase 8
DNAJC21	DnaJ Heat Shock Protein Family (Hsp40) Member C21
ARHGEF10L	Rho Guanine Nucleotide Exchange Factor 10 Like
MEN1	Menin 1
CFP	Complement Factor Properdin
DHCR7	7-Dehydrocholesterol Reductase
DPP9	Dipeptidyl Peptidase 9
THBS4	Thrombospondin 4
RPGR	Retinitis Pigmentosa GTPase Regulator
SFTPD	Surfactant Protein D
KLK3	Kallikrein Related Peptidase 3
SPSB2	SplA/Ryanodine Receptor Domain And SOCS Box Containing 2
TERF2	Telomeric Repeat Binding Factor 2
ARRB2	Arrestin Beta 2
KL	Klotho
EXOC3L4	Exocyst Complex Component 3 Like 4
LIPK	Lipase Family Member K
LIPJ	Lipase Family Member J
LIPM	Lipase Family Member M
PSME3	Proteasome Activator Subunit 3
RAD51B	RAD51 Paralog B
SULT1A1	Sulfotransferase Family 1A Member 1
KIR2DS5	Killer Cell Immunoglobulin Like Receptor, Two Ig Domains And Short Cytoplasmic Tail 5
EFNB2	Ephrin B2

HAX1	HCLS1 Associated Protein X-1
SDHB	Succinate Dehydrogenase Complex Iron Sulfur Subunit B
TOP2A	DNA Topoisomerase II Alpha
PTGER2	Prostaglandin E Receptor 2
ILK	Integrin Linked Kinase
ORM1	Orosomucoid 1
FCN2	Ficolin 2
AQP9	Aquaporin 9
HIBCH	3-Hydroxyisobutyryl-CoA Hydrolase
MARCKS	Myristoylated Alanine Rich Protein Kinase C Substrate
CABIN1	Calcineurin Binding Protein 1
MAN2A1	Mannosidase Alpha Class 2A Member 1
RNASET2	Ribonuclease T2
GLP1R	Glucagon Like Peptide 1 Receptor
MMP11	Matrix Metalloproteinase 11
TMSB4X	Thymosin Beta 4 X-Linked
TJP1	Tight Junction Protein 1
YBX1	Y-Box Binding Protein 1
STAT6	Signal Transducer And Activator Of Transcription 6
ATF5	Activating Transcription Factor 5
DEFB126	Defensin Beta 126
S100A12	S100 Calcium Binding Protein A12
PRKAA1	Protein Kinase AMP-Activated Catalytic Subunit Alpha 1
BRD4	Bromodomain Containing 4
RXRB	Retinoid X Receptor Beta

EIF4E	Eukaryotic Translation Initiation Factor 4E
PHGDH	Phosphoglycerate Dehydrogenase
BRD2	Bromodomain Containing 2
KLF2	Kruppel Like Factor 2
XPO1	Exportin 1
ITGA2B	Integrin Subunit Alpha 2b
NFIC	Nuclear Factor I C
WRN	WRN RecQ Like Helicase
NF1	Neurofibromin 1
TULP1	TUB Like Protein 1
IL18RAP	Interleukin 18 Receptor Accessory Protein
RNF5	Ring Finger Protein 5
NOP2	NOP2 Nucleolar Protein
PDGFA	Platelet Derived Growth Factor Subunit A
CLIC3	Chloride Intracellular Channel 3
RUVBL2	RuvB Like AAA ATPase 2
GZMH	Granzyme H
DSP	Desmoplakin
ITGA4	Integrin Subunit Alpha 4
PRKG1	Protein Kinase CGMP-Dependent 1
BCR	BCR Activator Of RhoGEF And GTPase
SRF	Serum Response Factor
WEE1	WEE1 G2 Checkpoint Kinase
SEC24B	SEC24 Homolog B, COPII Coat Complex Component
TRRAP	Transformation/Transcription Domain Associated Protein

KCTD10	Potassium Channel Tetramerization Domain Containing 10
SLC35A3	Solute Carrier Family 35 Member A3
CROCC	Ciliary Rootlet Coiled-Coil, Rootletin
VIL1	Villin 1
CALM2	Calmodulin 2
GLI3	GLI Family Zinc Finger 3
BMPR1A	Bone Morphogenetic Protein Receptor Type 1A
MMACHC	Metabolism Of Cobalamin Associated C
DXO	Decapping Exoribonuclease
TNFRSF12A	TNF Receptor Superfamily Member 12A
PLA2G1B	Phospholipase A2 Group IB
CCDC8	Coiled-Coil Domain Containing 8
PCYT1A	Phosphate Cytidylyltransferase 1A, Choline
SEPTIN6	Septin 6
MAP2K7	Mitogen-Activated Protein Kinase Kinase 7
ITIH4	Inter-Alpha-Trypsin Inhibitor Heavy Chain 4
SMAD9	SMAD Family Member 9
DCN	Decorin
SERPINB4	Serpin Family B Member 4
ORM2	Orosomuroid 2
IL22RA2	Interleukin 22 Receptor Subunit Alpha 2
CYP20A1	Cytochrome P450 Family 20 Subfamily A Member 1
GALE	UDP-Galactose-4-Epimerase
TRIM14	Tripartite Motif Containing 14
CCL22	C-C Motif Chemokine Ligand 22

OAT	Ornithine Aminotransferase
SLC5A5	Solute Carrier Family 5 Member 5
SLC16A2	Solute Carrier Family 16 Member 2
MMP10	Matrix Metalloproteinase 10
CPB2	Carboxypeptidase B2
NOP58	NOP58 Ribonucleoprotein
ATP5MG	ATP Synthase Membrane Subunit G
GUCY2C	Guanylate Cyclase 2C
TRPV1	Transient Receptor Potential Cation Channel Subfamily V Member 1
ZNF697	Zinc Finger Protein 697
RPS4X	Ribosomal Protein S4 X-Linked
CLDN7	Claudin 7
UQCC2	Ubiquinol-Cytochrome C Reductase Complex Assembly Factor 2
PIAS1	Protein Inhibitor Of Activated STAT 1
ZBTB12	Zinc Finger And BTB Domain Containing 12
KRT37	Keratin 37
F2RL1	F2R Like Trypsin Receptor 1
LACTB	Lactamase Beta
FIBP	FGF1 Intracellular Binding Protein
XPNPEP1	X-Prolyl Aminopeptidase 1
REG3A	Regenerating Family Member 3 Alpha
MACROD2	Mono-ADP Ribosylhydrolase 2
SIGLEC1	Sialic Acid Binding Ig Like Lectin 1
ITGA5	Integrin Subunit Alpha 5
MFN2	Mitofusin 2

KITLG	KIT Ligand
HRH1	Histamine Receptor H1
PRODH	Proline Dehydrogenase 1
LTBP3	Latent Transforming Growth Factor Beta Binding Protein 3
RGN	Regucalcin
FGF23	Fibroblast Growth Factor 23
FOXP2	Forkhead Box P2
KHDRBS1	KH RNA Binding Domain Containing, Signal Transduction Associated 1
PPP1R14A	Protein Phosphatase 1 Regulatory Inhibitor Subunit 14A
APEX1	Apurinic/Apyrimidinic Endodeoxyribonuclease 1
RPS24	Ribosomal Protein S24
BAK1	BCL2 Antagonist/Killer 1
LSM2	LSM2 Homolog, U6 Small Nuclear RNA And MRNA Degradation Associated
TLL1	Tolloid Like 1
AOX1	Aldehyde Oxidase 1
MBD2	Methyl-CpG Binding Domain Protein 2
LTB	Lymphotoxin Beta
CCHCR1	Coiled-Coil Alpha-Helical Rod Protein 1
ADRB3	Adrenoceptor Beta 3
KANK2	KN Motif And Ankyrin Repeat Domains 2
EFS	Embryonal Fyn-Associated Substrate
CHD4	Chromodomain Helicase DNA Binding Protein 4
ATP5F1E	ATP Synthase F1 Subunit Epsilon
COL11A2	Collagen Type XI Alpha 2 Chain
TBP	TATA-Box Binding Protein

SLC22A3	Solute Carrier Family 22 Member 3
GREM1	Gremlin 1, DAN Family BMP Antagonist
COL1A2	Collagen Type I Alpha 2 Chain
CCL19	C-C Motif Chemokine Ligand 19
CXCL16	C-X-C Motif Chemokine Ligand 16
TAGLN	Transgelin
FOXC2	Forkhead Box C2
DLK1	Delta Like Non-Canonical Notch Ligand 1
PDCD1LG2	Programmed Cell Death 1 Ligand 2
NKX6-2	NK6 Homeobox 2
NKX2-4	NK2 Homeobox 4
SARDH	Sarcosine Dehydrogenase
RRAS	RAS Related
TBX3	T-Box Transcription Factor 3
TTC19	Tetratricopeptide Repeat Domain 19
BAMBI	BMP And Activin Membrane Bound Inhibitor
GPAM	Glycerol-3-Phosphate Acyltransferase, Mitochondrial
RING1	Ring Finger Protein 1
MAPKAP1	MAPK Associated Protein 1
CTHRC1	Collagen Triple Helix Repeat Containing 1
DKK3	Dickkopf WNT Signaling Pathway Inhibitor 3
TFF3	Trefoil Factor 3
ID1	Inhibitor Of DNA Binding 1, HLH Protein
MAP1LC3A	Microtubule Associated Protein 1 Light Chain 3 Alpha
MECP2	Methyl-CpG Binding Protein 2

GPR39	G Protein-Coupled Receptor 39
SORT1	Sortilin 1
PLCG1	Phospholipase C Gamma 1
RHCE	Rh Blood Group CcEe Antigens
TLN1	Talin 1
TSPAN2	Tetraspanin 2
PSMD3	Proteasome 26S Subunit, Non-ATPase 3
DICER1	Dicer 1, Ribonuclease III
GJA1	Gap Junction Protein Alpha 1
EDN2	Endothelin 2
GOSR1	Golgi SNAP Receptor Complex Member 1
MRTFA	Myocardin Related Transcription Factor A
FUBP1	Far Upstream Element Binding Protein 1
HSD11B2	Hydroxysteroid 11-Beta Dehydrogenase 2
RPS26	Ribosomal Protein S26
SATB1	SATB Homeobox 1
H4-16	H4 Histone 16
SPHK1	Sphingosine Kinase 1
LIPH	Lipase H
CLCN4	Chloride Voltage-Gated Channel 4
NDFIP1	Nedd4 Family Interacting Protein 1
DLL3	Delta Like Canonical Notch Ligand 3
SCNN1A	Sodium Channel Epithelial 1 Subunit Alpha
SLC25A38	Solute Carrier Family 25 Member 38
SI	Sucrase-Isomaltase

ATP11C	ATPase Phospholipid Transporting 11C
CSE1L	Chromosome Segregation 1 Like
HDAC2	Histone Deacetylase 2
TNC	Tenascin C
COL5A1	Collagen Type V Alpha 1 Chain
AGRN	Agrin
GP2	Glycoprotein 2
SLC2A5	Solute Carrier Family 2 Member 5
POC1B	POC1 Centriolar Protein B
NOP56	NOP56 Ribonucleoprotein
CDH5	Cadherin 5
CGB3	Chorionic Gonadotropin Subunit Beta 3
SGK1	Serum/Glucocorticoid Regulated Kinase 1
FGF10	Fibroblast Growth Factor 10
PDE4A	Phosphodiesterase 4A
HLA-DQB3	Major Histocompatibility Complex, Class II, DQ Beta 3
PDLIM3	PDZ And LIM Domain 3
COQ8A	Coenzyme Q8A
RNPC3	RNA Binding Region (RNP1, RRM) Containing 3
ZC3HAV1	Zinc Finger CCCH-Type Containing, Antiviral 1
NPHS1	NPHS1 Adhesion Molecule, Nephrin
TTC7B	Tetratricopeptide Repeat Domain 7B
MYOM1	Myomesin 1
ADD1	Adducin 1
PEPD	Peptidase D

SLC9A3R1	SLC9A3 Regulator 1
VCL	Vinculin
FADS1	Fatty Acid Desaturase 1
ALG14	ALG14 UDP-N-Acetylglucosaminyltransferase Subunit
PSAP	Prosaposin
ACKR1	Atypical Chemokine Receptor 1 (Duffy Blood Group)
MYBPC2	Myosin Binding Protein C2
COG1	Component Of Oligomeric Golgi Complex 1
SMTN	Smoothelin
IFNLR1	Interferon Lambda Receptor 1
LAMP2	Lysosomal Associated Membrane Protein 2
IL34	Interleukin 34
TRIB2	Tribbles Pseudokinase 2
PRRC2A	Proline Rich Coiled-Coil 2A
PTGS1	Prostaglandin-Endoperoxide Synthase 1
MSH6	MutS Homolog 6
ENO2	Enolase 2
SERBP1	SERPINE1 MRNA Binding Protein 1
ACVR2B	Activin A Receptor Type 2B
CTSL	Cathepsin L
LAIR1	Leukocyte Associated Immunoglobulin Like Receptor 1
EIF4EBP1	Eukaryotic Translation Initiation Factor 4E Binding Protein 1
INHBA	Inhibin Subunit Beta A
GNPAT	Glyceronephosphate O-Acyltransferase
DDIT4	DNA Damage Inducible Transcript 4

GDA	Guanine Deaminase
RHAG	Rh Associated Glycoprotein
MAT2B	Methionine Adenosyltransferase 2B
NAP1L1	Nucleosome Assembly Protein 1 Like 1
YWHAQ	Tyrosine 3-Monooxygenase/Tryptophan 5-Monooxygenase Activation Protein Theta
EIF3A	Eukaryotic Translation Initiation Factor 3 Subunit A
RDX	Radixin
DDX60	DExD/H-Box Helicase 60
LEFTY2	Left-Right Determination Factor 2
ATP10D	ATPase Phospholipid Transporting 10D (Putative)
FHL2	Four And A Half LIM Domains 2
GRIN2A	Glutamate Ionotropic Receptor NMDA Type Subunit 2A
ACSL4	Acyl-CoA Synthetase Long Chain Family Member 4
GYG1	Glycogenin 1
OLFM1	Olfactomedin 1
CWH43	Cell Wall Biogenesis 43 C-Terminal Homolog
DNASE2B	Deoxyribonuclease 2 Beta
TPI1	Triosephosphate Isomerase 1
SPHK2	Sphingosine Kinase 2
RARA	Retinoic Acid Receptor Alpha
LMAN1	Lectin, Mannose Binding 1
KCNK6	Potassium Two Pore Domain Channel Subfamily K Member 6
BCL9L	BCL9 Like
MASP1	MBL Associated Serine Protease 1
VPS11	VPS11 Core Subunit Of CORVET And HOPS Complexes

GIPC1	GIPC PDZ Domain Containing Family Member 1
SLC25A2	Solute Carrier Family 25 Member 2
H2AX	H2A.X Variant Histone
CD5L	CD5 Molecule Like
ARID1A	AT-Rich Interaction Domain 1A
AGTR2	Angiotensin II Receptor Type 2
VEGFC	Vascular Endothelial Growth Factor C
AGPS	Alkylglycerone Phosphate Synthase
EXOSC4	Exosome Component 4
KCTD11	Potassium Channel Tetramerization Domain Containing 11
CD1A	CD1a Molecule
ITPR3	Inositol 1,4,5-Trisphosphate Receptor Type 3
GAK	Cyclin G Associated Kinase
POLR1D	RNA Polymerase I And III Subunit D
HNRNPUL1	Heterogeneous Nuclear Ribonucleoprotein U Like 1
THBS2	Thrombospondin 2
MYO7B	Myosin VIIB
SMURF1	SMAD Specific E3 Ubiquitin Protein Ligase 1
CXCL6	C-X-C Motif Chemokine Ligand 6
TMEM30A	Transmembrane Protein 30A
SEC24C	SEC24 Homolog C, COPII Coat Complex Component
ATP1B4	ATPase Na ⁺ /K ⁺ Transporting Family Member Beta 4
DLST	Dihydrolipoamide S-Succinyltransferase
TPH2	Tryptophan Hydroxylase 2
GSS	Glutathione Synthetase

AMH	Anti-Mullerian Hormone
CD151	CD151 Molecule (Raph Blood Group)
ADAM12	ADAM Metallopeptidase Domain 12
RBFOX1	RNA Binding Fox-1 Homolog 1
STX2	Syntaxin 2
PNLIPRP2	Pancreatic Lipase Related Protein 2 (Gene/Pseudogene)
UBE2S	Ubiquitin Conjugating Enzyme E2 S
FAF1	Fas Associated Factor 1
HES7	Hes Family BHLH Transcription Factor 7
APEH	Acylaminoacyl-Peptide Hydrolase
RPS6KA3	Ribosomal Protein S6 Kinase A3
ATP11B	ATPase Phospholipid Transporting 11B (Putative)
HMOX2	Heme Oxygenase 2
ICAM5	Intercellular Adhesion Molecule 5
VDAC1	Voltage Dependent Anion Channel 1
HTR3A	5-Hydroxytryptamine Receptor 3A
OGT	O-Linked N-Acetylglucosamine (GlcNAc) Transferase
SIAE	Sialic Acid Acetyltransferase
SLC25A12	Solute Carrier Family 25 Member 12
BRIP1	BRCA1 Interacting Helicase 1
LCT	Lactase
BACH1	BTB Domain And CNC Homolog 1
ABL1	ABL Proto-Oncogene 1, Non-Receptor Tyrosine Kinase
CDO1	Cysteine Dioxygenase Type 1
SAR1A	Secretion Associated Ras Related GTPase 1A

SMPD3	Sphingomyelin Phosphodiesterase 3
DHX16	DEAH-Box Helicase 16
PPP1R10	Protein Phosphatase 1 Regulatory Subunit 10
NRM	Nurim
PSORS1C2	Psoriasis Susceptibility 1 Candidate 2
SFTA2	Surfactant Associated 2
HSPA9	Heat Shock Protein Family A (Hsp70) Member 9
JUND	JunD Proto-Oncogene, AP-1 Transcription Factor Subunit
DEFB1	Defensin Beta 1
CARD9	Caspase Recruitment Domain Family Member 9
ACY1	Aminoacylase 1
NLRC4	NLR Family CARD Domain Containing 4
NDRG1	N-Myc Downstream Regulated 1
NEK3	NIMA Related Kinase 3
DROSHA	Drosha Ribonuclease III
SERPINA12	Serpin Family A Member 12
CALCOCO2	Calcium Binding And Coiled-Coil Domain 2
RECQL4	RecQ Like Helicase 4
MATN2	Matrilin 2
MGP	Matrix Gla Protein
FMR1	Fragile X Messenger Ribonucleoprotein 1
PRKCG	Protein Kinase C Gamma
LAMP1	Lysosomal Associated Membrane Protein 1
SRP72	Signal Recognition Particle 72
ESRRG	Estrogen Related Receptor Gamma

LTBP2	Latent Transforming Growth Factor Beta Binding Protein 2
DUOX1	Dual Oxidase 1
LTBP1	Latent Transforming Growth Factor Beta Binding Protein 1
TANK	TRAF Family Member Associated NFKB Activator
PRKAG2	Protein Kinase AMP-Activated Non-Catalytic Subunit Gamma 2
FPR2	Formyl Peptide Receptor 2
FGF4	Fibroblast Growth Factor 4
SUGP1	SURP And G-Patch Domain Containing 1
CFL1	Cofilin 1
MT2A	Metallothionein 2A
LAMP3	Lysosomal Associated Membrane Protein 3
GPI	Glucose-6-Phosphate Isomerase
STUB1	STIP1 Homology And U-Box Containing Protein 1
EPHB2	EPH Receptor B2
PSMA3	Proteasome 20S Subunit Alpha 3
MTO1	Mitochondrial TRNA Translation Optimization 1
PRKAB1	Protein Kinase AMP-Activated Non-Catalytic Subunit Beta 1
KRT20	Keratin 20
PRDX1	Peroxiredoxin 1
KLF1	Kruppel Like Factor 1
PLA2G4A	Phospholipase A2 Group IVA
NCAPD2	Non-SMC Condensin I Complex Subunit D2
CSRP2	Cysteine And Glycine Rich Protein 2
PYGM	Glycogen Phosphorylase, Muscle Associated
KCNQ1	Potassium Voltage-Gated Channel Subfamily Q Member 1

RAN	RAN, Member RAS Oncogene Family
HES1	Hes Family BHLH Transcription Factor 1
GRB7	Growth Factor Receptor Bound Protein 7
IL1RAP	Interleukin 1 Receptor Accessory Protein
RPL3	Ribosomal Protein L3
IL19	Interleukin 19
DDR1	Discoidin Domain Receptor Tyrosine Kinase 1
NSUN2	NOP2/Sun RNA Methyltransferase 2
ZNF674	Zinc Finger Protein 674
TMPRSS7	Transmembrane Serine Protease 7
VWCE	Von Willebrand Factor C And EGF Domains
CCN4	Cellular Communication Network Factor 4
H6PD	Hexose-6-Phosphate Dehydrogenase/Glucose 1-Dehydrogenase
TSPAN32	Tetraspanin 32
U2AF1	U2 Small Nuclear RNA Auxiliary Factor 1
COL2A1	Collagen Type II Alpha 1 Chain
LYRM7	LYR Motif Containing 7
ITK	IL2 Inducible T Cell Kinase
LUC7L2	LUC7 Like 2, Pre-mRNA Splicing Factor
TGOLN2	Trans-Golgi Network Protein 2
BIRC2	Baculoviral IAP Repeat Containing 2
GLT8D2	Glycosyltransferase 8 Domain Containing 2
GULP1	GULP PTB Domain Containing Engulfment Adaptor 1
ID3	Inhibitor Of DNA Binding 3, HLH Protein
VAR2	Valyl-TRNA Synthetase 2, Mitochondrial

UGCG	UDP-Glucose Ceramide Glucosyltransferase
GLA	Galactosidase Alpha
MANF	Mesencephalic Astrocyte Derived Neurotrophic Factor
ZNF384	Zinc Finger Protein 384
NAGK	N-Acetylglucosamine Kinase
PHF1	PHD Finger Protein 1
GPSM3	G Protein Signaling Modulator 3
TNFRSF9	TNF Receptor Superfamily Member 9
GPAT3	Glycerol-3-Phosphate Acyltransferase 3
VTCN1	V-Set Domain Containing T Cell Activation Inhibitor 1
UBE3A	Ubiquitin Protein Ligase E3A
AP1S3	Adaptor Related Protein Complex 1 Subunit Sigma 3
MMP16	Matrix Metalloproteinase 16
NTRK1	Neurotrophic Receptor Tyrosine Kinase 1
NEMP2	Nuclear Envelope Integral Membrane Protein 2
BGN	Biglycan
PLIN3	Perilipin 3
ITLN1	Intelectin 1
CKS1B	CDC28 Protein Kinase Regulatory Subunit 1B
NCF4	Neutrophil Cytosolic Factor 4
SLC7A11	Solute Carrier Family 7 Member 11
LFNG	LFNG O-Fucosylpeptide 3-Beta-N-Acetylglucosaminyltransferase
HEY2	Hes Related Family BHLH Transcription Factor With YRPW Motif 2
SRRT	Serrate, RNA Effector Molecule
MESP2	Mesoderm Posterior BHLH Transcription Factor 2

FANCA	FA Complementation Group A
GSDMD	Gasdermin D
NEU1	Neuraminidase 1
MASP2	MBL Associated Serine Protease 2
H2BC21	H2B Clustered Histone 21
TIE1	Tyrosine Kinase With Immunoglobulin Like And EGF Like Domains 1
CTCF	CCCTC-Binding Factor
GDF11	Growth Differentiation Factor 11
ITGA6	Integrin Subunit Alpha 6
FCGBP	Fc Gamma Binding Protein
LILRB5	Leukocyte Immunoglobulin Like Receptor B5
DHDH	Dihydrodiol Dehydrogenase
DHX38	DEAH-Box Helicase 38
GRP	Gastrin Releasing Peptide
SMAD1	SMAD Family Member 1
RPS13	Ribosomal Protein S13
IQGAP1	IQ Motif Containing GTPase Activating Protein 1
PEBP1	Phosphatidylethanolamine Binding Protein 1
UQCRFS1	Ubiquinol-Cytochrome C Reductase, Rieske Iron-Sulfur Polypeptide 1
ZNF23	Zinc Finger Protein 23
CLCN5	Chloride Voltage-Gated Channel 5
SIGLEC7	Sialic Acid Binding Ig Like Lectin 7
AASS	Amino adipate-Semialdehyde Synthase
IL1RL2	Interleukin 1 Receptor Like 2
BCL11A	BAF Chromatin Remodeling Complex Subunit BCL11A

EMG1	EMG1 N1-Specific Pseudouridine Methyltransferase
CLDN4	Claudin 4
GAR1	GAR1 Ribonucleoprotein
RHOD	Ras Homolog Family Member D
CXADR	CXADR Ig-Like Cell Adhesion Molecule
ALG6	ALG6 Alpha-1,3-Glucosyltransferase
AQP5	Aquaporin 5
SART1	Spliceosome Associated Factor 1, Recruiter Of U4/U6.U5 Tri-SnRNP
TNNC1	Troponin C1, Slow Skeletal And Cardiac Type
PIK3R3	Phosphoinositide-3-Kinase Regulatory Subunit 3
RAB38	RAB38, Member RAS Oncogene Family
CYP2R1	Cytochrome P450 Family 2 Subfamily R Member 1
CSK	C-Terminal Src Kinase
AGPAT3	1-Acylglycerol-3-Phosphate O-Acyltransferase 3
TRPM5	Transient Receptor Potential Cation Channel Subfamily M Member 5
CLCN2	Chloride Voltage-Gated Channel 2
VAMP1	Vesicle Associated Membrane Protein 1
IGSF11	Immunoglobulin Superfamily Member 11
CAPN10	Calpain 10
SDC2	Syndecan 2
PPARGC1B	PPARG Coactivator 1 Beta
ANGPTL6	Angiopoietin Like 6
LDAF1	Lipid Droplet Assembly Factor 1
CD2AP	CD2 Associated Protein
SCGB1A1	Secretoglobin Family 1A Member 1

ALPI	Alkaline Phosphatase, Intestinal
ADRA1B	Adrenoceptor Alpha 1B
ESRRA	Estrogen Related Receptor Alpha
KCNQ5	Potassium Voltage-Gated Channel Subfamily Q Member 5
ADAMTSL1	ADAMTS Like 1
DAG1	Dystroglycan 1
PTTG1	PTTG1 Regulator Of Sister Chromatid Separation, Securin
FA2H	Fatty Acid 2-Hydroxylase
SNAP29	Synaptosome Associated Protein 29
SHMT2	Serine Hydroxymethyltransferase 2
CSAD	Cysteine Sulfinic Acid Decarboxylase
REL	REL Proto-Oncogene, NF-KB Subunit
JUNB	JunB Proto-Oncogene, AP-1 Transcription Factor Subunit
CGA	Glycoprotein Hormones, Alpha Polypeptide
APLNR	Apelin Receptor
DOLPP1	Dolichyldiphosphatase 1
MSLN	Mesothelin
HTRA2	HtrA Serine Peptidase 2
ASPM	Assembly Factor For Spindle Microtubules
BDNF	Brain Derived Neurotrophic Factor
KCTD7	Potassium Channel Tetramerization Domain Containing 7
KCTD12	Potassium Channel Tetramerization Domain Containing 12
KCTD5	Potassium Channel Tetramerization Domain Containing 5
KCTD8	Potassium Channel Tetramerization Domain Containing 8
CEP295	Centrosomal Protein 295

LAMA1	Laminin Subunit Alpha 1
RPS14	Ribosomal Protein S14
MAP2K4	Mitogen-Activated Protein Kinase Kinase 4
NUBP1	NUBP Iron-Sulfur Cluster Assembly Factor 1, Cytosolic
GIP	Gastric Inhibitory Polypeptide
PSMB10	Proteasome 20S Subunit Beta 10
CDH3	Cadherin 3
RNASE3	Ribonuclease A Family Member 3
PARD6B	Par-6 Family Cell Polarity Regulator Beta
SLC7A2	Solute Carrier Family 7 Member 2
GHRH	Growth Hormone Releasing Hormone
SLC26A5	Solute Carrier Family 26 Member 5
LPCAT1	Lysophosphatidylcholine Acyltransferase 1
HNRNPC	Heterogeneous Nuclear Ribonucleoprotein C
ADCY10	Adenylate Cyclase 10
PINK1	PTEN Induced Kinase 1
RPS29	Ribosomal Protein S29
FER	FER Tyrosine Kinase
DEFA1	Defensin Alpha 1
SLC22A7	Solute Carrier Family 22 Member 7
SULF2	Sulfatase 2
RELB	RELB Proto-Oncogene, NF-KB Subunit
ARHGAP45	Rho GTPase Activating Protein 45
HEMGN	Hemogen
RPS6KB1	Ribosomal Protein S6 Kinase B1

ICAM4	Intercellular Adhesion Molecule 4 (Landsteiner-Wiener Blood Group)
TIMP4	TIMP Metallopeptidase Inhibitor 4
UTS2R	Urotensin 2 Receptor
PDIA3	Protein Disulfide Isomerase Family A Member 3
CCN3	Cellular Communication Network Factor 3
IL17D	Interleukin 17D
RPL38	Ribosomal Protein L38
SLC25A10	Solute Carrier Family 25 Member 10
AKR1B1	Aldo-Keto Reductase Family 1 Member B
SLC5A1	Solute Carrier Family 5 Member 1
F2RL2	Coagulation Factor II Thrombin Receptor Like 2
ITGB8	Integrin Subunit Beta 8
CAVIN2	Caveolae Associated Protein 2
FBLN2	Fibulin 2
NCR3	Natural Cytotoxicity Triggering Receptor 3
CACNA1C	Calcium Voltage-Gated Channel Subunit Alpha1 C
PTPN13	Protein Tyrosine Phosphatase Non-Receptor Type 13
ZFP36	ZFP36 Ring Finger Protein
CLCN3	Chloride Voltage-Gated Channel 3
CLCA1	Chloride Channel Accessory 1
CLCA2	Chloride Channel Accessory 2
AAGAB	Alpha And Gamma Adaptin Binding Protein
MLPH	Melanophilin
TNXB	Tenascin XB
IL1R2	Interleukin 1 Receptor Type 2

FOXF1	Forkhead Box F1
IL13RA2	Interleukin 13 Receptor Subunit Alpha 2
AFM	Afamin
PPP1R3E	Protein Phosphatase 1 Regulatory Subunit 3E
MAPKAPK5	MAPK Activated Protein Kinase 5
GPT2	Glutamic--Pyruvic Transaminase 2
ADRA2A	Adrenoceptor Alpha 2A
MTMR4	Myotubularin Related Protein 4
ATP8A1	ATPase Phospholipid Transporting 8A1
TPH1	Tryptophan Hydroxylase 1
DRD4	Dopamine Receptor D4
NEIL2	Nei Like DNA Glycosylase 2
PUS1	Pseudouridine Synthase 1
ERAP1	Endoplasmic Reticulum Aminopeptidase 1
ARRB1	Arrestin Beta 1
FZD1	Frizzled Class Receptor 1
SCG2	Secretogranin II
S1PR3	Sphingosine-1-Phosphate Receptor 3
INPP5K	Inositol Polyphosphate-5-Phosphatase K
PPP1R3A	Protein Phosphatase 1 Regulatory Subunit 3A
UQCRC1	Ubiquinol-Cytochrome C Reductase, Complex III Subunit XI
ZNF837	Zinc Finger Protein 837
SLC4A5	Solute Carrier Family 4 Member 5
GALNT11	Polypeptide N-Acetylgalactosaminyltransferase 11
CLC	Charcot-Leyden Crystal Galectin

NINJ1	Ninjurin 1
LPAR6	Lysophosphatidic Acid Receptor 6
CDH13	Cadherin 13
COMP	Cartilage Oligomeric Matrix Protein
GP1BA	Glycoprotein Ib Platelet Subunit Alpha
SLC7A8	Solute Carrier Family 7 Member 8
SESN2	Sestrin 2
FABP6	Fatty Acid Binding Protein 6
EPHA7	EPH Receptor A7
RCC2	Regulator Of Chromosome Condensation 2
EFCAB14	EF-Hand Calcium Binding Domain 14
SYNM	Synemin
EGR3	Early Growth Response 3
GPX4	Glutathione Peroxidase 4
PYGB	Glycogen Phosphorylase B
UNG	Uracil DNA Glycosylase
CUL1	Cullin 1
PRLR	Prolactin Receptor
FUT6	Fucosyltransferase 6
PROCR	Protein C Receptor
HAL	Histidine Ammonia-Lyase
IL31	Interleukin 31
FHIT	Fragile Histidine Triad Diadenosine Triphosphatase
STK19	Serine/Threonine Kinase 19
PBX2	PBX Homeobox 2

DAPK1	Death Associated Protein Kinase 1
EHBP1L1	EH Domain Binding Protein 1 Like 1
GALC	Galactosylceramidase
PAK2	P21 (RAC1) Activated Kinase 2
TNFSF13	TNF Superfamily Member 13
GDF9	Growth Differentiation Factor 9
CRABP1	Cellular Retinoic Acid Binding Protein 1
RO60	Ro60, Y RNA Binding Protein
SPAG17	Sperm Associated Antigen 17
SMIM23	Small Integral Membrane Protein 23
IL20	Interleukin 20
SLC12A2	Solute Carrier Family 12 Member 2
CCBE1	Collagen And Calcium Binding EGF Domains 1
SOX18	SRY-Box Transcription Factor 18
DUS3L	Dihydrouridine Synthase 3 Like
FAM104B	Family With Sequence Similarity 104 Member B
RMI2	RecQ Mediated Genome Instability 2
C1R	Complement C1r
KMT2A	Lysine Methyltransferase 2A
CYB5B	Cytochrome B5 Type B
SLC1A4	Solute Carrier Family 1 Member 4
TSPAN8	Tetraspanin 8
APOBEC3A	Apolipoprotein B mRNA Editing Enzyme Catalytic Subunit 3A
UBTF	Upstream Binding Transcription Factor
NCOA1	Nuclear Receptor Coactivator 1

CD248	CD248 Molecule
MORC2	MORC Family CW-Type Zinc Finger 2
NOSTRIN	Nitric Oxide Synthase Trafficking
MSX2	Msh Homeobox 2
SKIL	SKI Like Proto-Oncogene
PRDX5	Peroxiredoxin 5
IL25	Interleukin 25
ELOVL6	ELOVL Fatty Acid Elongase 6
ANXA1	Annexin A1
IL22RA1	Interleukin 22 Receptor Subunit Alpha 1
ADORA2A	Adenosine A2a Receptor
SUPT5H	SPT5 Homolog, DSIF Elongation Factor Subunit
IBA57	Iron-Sulfur Cluster Assembly Factor IBA57
PFKFB3	6-Phosphofructo-2-Kinase/Fructose-2,6-Biphosphatase 3
TFPI	Tissue Factor Pathway Inhibitor
TRIM63	Tripartite Motif Containing 63
ATP8A2	ATPase Phospholipid Transporting 8A2
ATP8B2	ATPase Phospholipid Transporting 8B2
GSDMA	Gasdermin A
HTATIP2	HIV-1 Tat Interactive Protein 2
TERF1	Telomeric Repeat Binding Factor 1
PSMD8	Proteasome 26S Subunit, Non-ATPase 8
ATP6V0A2	ATPase H+ Transporting V0 Subunit A2
COL18A1	Collagen Type XVIII Alpha 1 Chain
GADD45A	Growth Arrest And DNA Damage Inducible Alpha

PLCG2	Phospholipase C Gamma 2
GPR183	G Protein-Coupled Receptor 183
CELF1	CUGBP Elav-Like Family Member 1
GRIN2B	Glutamate Ionotropic Receptor NMDA Type Subunit 2B
GAD2	Glutamate Decarboxylase 2
CCDC86	Coiled-Coil Domain Containing 86
NFE2L1	NFE2 Like BZIP Transcription Factor 1
NCL	Nucleolin
POLA1	DNA Polymerase Alpha 1, Catalytic Subunit
TRNT1	TRNA Nucleotidyl Transferase 1
CBFA2T2	CBFA2/RUNX1 Partner Transcriptional Co-Repressor 2
KRT74	Keratin 74
WDR61	WD Repeat Domain 61
KRT27	Keratin 27
MTREX	Mtr4 Exosome RNA Helicase
BLOC1S3	Biogenesis Of Lysosomal Organelles Complex 1 Subunit 3
S1PR1	Sphingosine-1-Phosphate Receptor 1
SFXN4	Sideroflexin 4
MYO6	Myosin VI
UBE2D1	Ubiquitin Conjugating Enzyme E2 D1
DFFA	DNA Fragmentation Factor Subunit Alpha
SNTB2	Syntrophin Beta 2
TRPM3	Transient Receptor Potential Cation Channel Subfamily M Member 3
KDM6B	Lysine Demethylase 6B
SCAP	SREBF Chaperone

VCAN	Versican
TOMM40	Translocase Of Outer Mitochondrial Membrane 40
AOAH	Acyloxyacyl Hydrolase
PAX5	Paired Box 5
KRT10	Keratin 10
ERG	ETS Transcription Factor ERG
UBE2J1	Ubiquitin Conjugating Enzyme E2 J1
MMP25	Matrix Metalloproteinase 25
STXBP5L	Syntaxin Binding Protein 5L
DHCR24	24-Dehydrocholesterol Reductase
KCNN3	Potassium Calcium-Activated Channel Subfamily N Member 3
ANG	Angiogenin
TENT4B	Terminal Nucleotidyltransferase 4B
SERPIND1	Serpin Family D Member 1
PPP1R3D	Protein Phosphatase 1 Regulatory Subunit 3D
SLC22A18	Solute Carrier Family 22 Member 18
POPDC2	Popeye Domain Containing 2
ZFP36L1	ZFP36 Ring Finger Protein Like 1
TREH	Trehalase
PHLDB1	Pleckstrin Homology Like Domain Family B Member 1
WIPF2	WAS/WASL Interacting Protein Family Member 2
GLS2	Glutaminase 2
GDNF	Glial Cell Derived Neurotrophic Factor
EEA1	Early Endosome Antigen 1
AP1G1	Adaptor Related Protein Complex 1 Subunit Gamma 1

GJC1	Gap Junction Protein Gamma 1
NR0B1	Nuclear Receptor Subfamily 0 Group B Member 1
CSTB	Cystatin B
GRHL2	Grainyhead Like Transcription Factor 2
PSMA6	Proteasome 20S Subunit Alpha 6
CEMIP2	Cell Migration Inducing Hyaluronidase 2
CFHR2	Complement Factor H Related 2
PLA2G2A	Phospholipase A2 Group IIA
CCR8	C-C Motif Chemokine Receptor 8
YWHAZ	Tyrosine 3-Monooxygenase/Tryptophan 5-Monooxygenase Activation Protein Zeta
STAU1	Staufen Double-Stranded RNA Binding Protein 1
ASIP	Agouti Signaling Protein
SSTR1	Somatostatin Receptor 1
SLC45A2	Solute Carrier Family 45 Member 2
COIL	Coilin
PATJ	PATJ Crumbs Cell Polarity Complex Component
ARMC8	Armadillo Repeat Containing 8
MBOAT2	Membrane Bound O-Acyltransferase Domain Containing 2
LGALS1	Galectin Like
GPAT4	Glycerol-3-Phosphate Acyltransferase 4
COASY	Coenzyme A Synthase
PHKG1	Phosphorylase Kinase Catalytic Subunit Gamma 1
TAS2R20	Taste 2 Receptor Member 20
OR1E2	Olfactory Receptor Family 1 Subfamily E Member 2
ZNF780B	Zinc Finger Protein 780B

GRIN3B	Glutamate Ionotropic Receptor NMDA Type Subunit 3B
CIRBP	Cold Inducible RNA Binding Protein
CARF	Calcium Responsive Transcription Factor
TMEM259	Transmembrane Protein 259
PAX6	Paired Box 6
NCAN	Neurocan
HNRNPD	Heterogeneous Nuclear Ribonucleoprotein D
TNFRSF17	TNF Receptor Superfamily Member 17
MFGE8	Milk Fat Globule EGF And Factor V/VIII Domain Containing
ARSB	Arylsulfatase B
INSIG1	Insulin Induced Gene 1
TNFRSF11A	TNF Receptor Superfamily Member 11a
XRCC5	X-Ray Repair Cross Complementing 5
IBSP	Integrin Binding Sialoprotein
AMFR	Autocrine Motility Factor Receptor
HMGB2	High Mobility Group Box 2
SEC13	SEC13 Homolog, Nuclear Pore And COPII Coat Complex Component
GAD1	Glutamate Decarboxylase 1
HIPK2	Homeodomain Interacting Protein Kinase 2
GAL3ST1	Galactose-3-O-Sulfotransferase 1
ADD3	Adducin 3
KCNA5	Potassium Voltage-Gated Channel Subfamily A Member 5
LTBP4	Latent Transforming Growth Factor Beta Binding Protein 4
KDM8	Lysine Demethylase 8
MAG11	Membrane Associated Guanylate Kinase, WW And PDZ Domain Containing 1

FLVCR1	FLVCR Heme Transporter 1
MMP15	Matrix Metallopeptidase 15
MGST1	Microsomal Glutathione S-Transferase 1
ACTG1	Actin Gamma 1
KCNQ2	Potassium Voltage-Gated Channel Subfamily Q Member 2
ZFAT	Zinc Finger And AT-Hook Domain Containing
DIP2C	Disco Interacting Protein 2 Homolog C
STK32B	Serine/Threonine Kinase 32B
DNASE1L3	Deoxyribonuclease 1 Like 3
EXO1	Exonuclease 1
SCP2	Sterol Carrier Protein 2
FAM161A	FAM161 Centrosomal Protein A
PCARE	Photoreceptor Cilium Actin Regulator
ABO	ABO, Alpha 1-3-N-Acetylgalactosaminyltransferase And Alpha 1-3-Galactosyltransferase
TIMM29	Translocase Of Inner Mitochondrial Membrane 29
CBLB	Cbl Proto-Oncogene B
CFD	Complement Factor D
ZNF267	Zinc Finger Protein 267
FLG2	Filaggrin 2
GCH1	GTP Cyclohydrolase 1
NLRC5	NLR Family CARD Domain Containing 5
SUCNR1	Succinate Receptor 1
PSMA1	Proteasome 20S Subunit Alpha 1
LPO	Lactoperoxidase
SIGLEC5	Sialic Acid Binding Ig Like Lectin 5

IGHA1	Immunoglobulin Heavy Constant Alpha 1
LARP6	La Ribonucleoprotein 6, Translational Regulator
KRT23	Keratin 23
KRT6B	Keratin 6B
AURKB	Aurora Kinase B
KLB	Klotho Beta
HPRT1	Hypoxanthine Phosphoribosyltransferase 1
POMGNT2	Protein O-Linked Mannose N-Acetylglucosaminyltransferase 2 (Beta 1,4-)
AK9	Adenylate Kinase 9
P2RX7	Purinergic Receptor P2X 7
TEN1	TEN1 Subunit Of CST Complex
MUC2	Mucin 2, Oligomeric Mucus/Gel-Forming
GPR31	G Protein-Coupled Receptor 31
CD276	CD276 Molecule
RASSF5	Ras Association Domain Family Member 5
HBA2	Hemoglobin Subunit Alpha 2
LOXL1	Lysyl Oxidase Like 1
GPER1	G Protein-Coupled Estrogen Receptor 1
SMN1	Survival Of Motor Neuron 1, Telomeric
C5AR1	Complement C5a Receptor 1
NISCH	Nischarin
C1QTNF3	C1q And TNF Related 3
SLC9A5	Solute Carrier Family 9 Member A5
FCRL4	Fc Receptor Like 4
IL20RA	Interleukin 20 Receptor Subunit Alpha

TNFSF8	TNF Superfamily Member 8
CEP43	Centrosomal Protein 43
QDPR	Quinoid Dihydropteridine Reductase
CD22	CD22 Molecule
TEP1	Telomerase Associated Protein 1
REG1A	Regenerating Family Member 1 Alpha
ABCD4	ATP Binding Cassette Subfamily D Member 4
MYBPC1	Myosin Binding Protein C1
BNIP2	BCL2 Interacting Protein 2
FHOD3	Formin Homology 2 Domain Containing 3
AMDHD1	Amidohydrolase Domain Containing 1
TNNC2	Troponin C2, Fast Skeletal Type
CRYAB	Crystallin Alpha B
UBE2Q1	Ubiquitin Conjugating Enzyme E2 Q1
BNIP3	BCL2 Interacting Protein 3
TRDMT1	TRNA Aspartic Acid Methyltransferase 1
PSMB5	Proteasome 20S Subunit Beta 5
GYG2	Glycogenin 2
SELENOI	Selenoprotein I
MCRS1	Microspherule Protein 1
PPP1R12A	Protein Phosphatase 1 Regulatory Subunit 12A
C1orf53	Chromosome 1 Open Reading Frame 53
CEP57	Centrosomal Protein 57
HTR1B	5-Hydroxytryptamine Receptor 1B
BCL3	BCL3 Transcription Coactivator

EFEMP1	EGF Containing Fibulin Extracellular Matrix Protein 1
ARHGAP4	Rho GTPase Activating Protein 4
KRT16	Keratin 16
HSCB	HscB Mitochondrial Iron-Sulfur Cluster Cochaperone
ARNTL2	Aryl Hydrocarbon Receptor Nuclear Translocator Like 2
FCGR3B	Fc Gamma Receptor IIIb
PTPRO	Protein Tyrosine Phosphatase Receptor Type O
CUL7	Cullin 7
TYRO3	TYRO3 Protein Tyrosine Kinase
SUGCT	Succinyl-CoA:Glutarate-CoA Transferase
KLHDC7A	Kelch Domain Containing 7A
ZNF621	Zinc Finger Protein 621
CLDN14	Claudin 14
FCRL6	Fc Receptor Like 6
EXOSC5	Exosome Component 5
HEXA	Hexosaminidase Subunit Alpha
TRIB3	Tribbles Pseudokinase 3
GALK1	Galactokinase 1
HRG	Histidine Rich Glycoprotein
IGFBP5	Insulin Like Growth Factor Binding Protein 5
ENGASE	Endo-Beta-N-Acetylglucosaminidase
SMARCA2	SWI/SNF Related, Matrix Associated, Actin Dependent Regulator Of Chromatin, Subfamily A, Member 2
GZMA	Granzyme A
ALDH18A1	Aldehyde Dehydrogenase 18 Family Member A1
RPA1	Replication Protein A1

GOLPH3	Golgi Phosphoprotein 3
IGFBP7	Insulin Like Growth Factor Binding Protein 7
PAPPA	Pappalysin 1
WHRN	Whirlin
COL13A1	Collagen Type XIII Alpha 1 Chain
ALDH3A2	Aldehyde Dehydrogenase 3 Family Member A2
MFNG	MFNG O-Fucosylpeptide 3-Beta-N-Acetylglucosaminyltransferase
ALX4	ALX Homeobox 4
MAGEA9	MAGE Family Member A9
PAM	Peptidylglycine Alpha-Amidating Monooxygenase
RNF14	Ring Finger Protein 14
PCDH12	Protocadherin 12
TYSND1	Trypsin Like Peroxisomal Matrix Peptidase 1
RAP1A	RAP1A, Member Of RAS Oncogene Family
PIPOX	Pipelicolic Acid And Sarcosine Oxidase
CFHR1	Complement Factor H Related 1
FSTL1	Follistatin Like 1
C4BPB	Complement Component 4 Binding Protein Beta
MAP1LC3B	Microtubule Associated Protein 1 Light Chain 3 Beta
ATP9A	ATPase Phospholipid Transporting 9A (Putative)
ATP8B4	ATPase Phospholipid Transporting 8B4 (Putative)
TMEM30B	Transmembrane Protein 30B
IHH	Indian Hedgehog Signaling Molecule
TRIP11	Thyroid Hormone Receptor Interactor 11
SRSF3	Serine And Arginine Rich Splicing Factor 3

CKB	Creatine Kinase B
CAPN2	Calpain 2
PGM3	Phosphoglucomutase 3
EEF1A2	Eukaryotic Translation Elongation Factor 1 Alpha 2
ENHO	Energy Homeostasis Associated
PIGV	Phosphatidylinositol Glycan Anchor Biosynthesis Class V
WNT10A	Wnt Family Member 10A
TRIM37	Tripartite Motif Containing 37
YBX3	Y-Box Binding Protein 3
TK1	Thymidine Kinase 1
SPRY4	Sprouty RTK Signaling Antagonist 4
BRAP	BRCA1 Associated Protein
GADD45G	Growth Arrest And DNA Damage Inducible Gamma
TEAD3	TEA Domain Transcription Factor 3
DIRAS2	DIRAS Family GTPase 2
C6orf47	Chromosome 6 Open Reading Frame 47
PHETA1	PH Domain Containing Endocytic Trafficking Adaptor 1
HCG22	HLA Complex Group 22 (Gene/Pseudogene)
MUC22	Mucin 22
C4BPA	Complement Component 4 Binding Protein Alpha
PTPRU	Protein Tyrosine Phosphatase Receptor Type U
SLC34A2	Solute Carrier Family 34 Member 2
GPNMB	Glycoprotein Nmb
SLC9A1	Solute Carrier Family 9 Member A1
NR2F2	Nuclear Receptor Subfamily 2 Group F Member 2

PSMD12	Proteasome 26S Subunit, Non-ATPase 12
PHEX	Phosphate Regulating Endopeptidase Homolog X-Linked
ALDH3A1	Aldehyde Dehydrogenase 3 Family Member A1
SULT2B1	Sulfotransferase Family 2B Member 1
MAP3K6	Mitogen-Activated Protein Kinase Kinase Kinase 6
TRAF4	TNF Receptor Associated Factor 4
RAD23B	RAD23 Homolog B, Nucleotide Excision Repair Protein
PGAM1	Phosphoglycerate Mutase 1
BDH2	3-Hydroxybutyrate Dehydrogenase 2
SMARCA5	SWI/SNF Related, Matrix Associated, Actin Dependent Regulator Of Chromatin, Subfamily A, Member 5
ISCA2	Iron-Sulfur Cluster Assembly 2
PDZK1	PDZ Domain Containing 1
PREP	Prolyl Endopeptidase
APOBEC3H	Apolipoprotein B mRNA Editing Enzyme Catalytic Subunit 3H
ATP8B3	ATPase Phospholipid Transporting 8B3
STT3A	STT3 Oligosaccharyltransferase Complex Catalytic Subunit A
FAM3B	FAM3 Metabolism Regulating Signaling Molecule B
ITGB4	Integrin Subunit Beta 4
CCAR2	Cell Cycle And Apoptosis Regulator 2
CDC37	Cell Division Cycle 37, HSP90 Cochaperone
NADSYN1	NAD Synthetase 1
GTF3C1	General Transcription Factor IIIC Subunit 1
GIN1	Gypsy Retrotransposon Integrase 1
PRM1	Protamine 1
THOP1	Thimet Oligopeptidase 1

ROBO1	Roundabout Guidance Receptor 1
CIZ1	CDKN1A Interacting Zinc Finger Protein 1
DDI2	DNA Damage Inducible 1 Homolog 2
ZNRD2	Zinc Ribbon Domain Containing 2
UBQLN1	Ubiquilin 1
HIVEP1	HIVEP Zinc Finger 1
CLPS	Colipase
NID1	Nidogen 1
LITAF	Lipopolysaccharide Induced TNF Factor
TAF1	TATA-Box Binding Protein Associated Factor 1
PEX7	Peroxisomal Biogenesis Factor 7
NLRP6	NLR Family Pyrin Domain Containing 6
EPHB4	EPH Receptor B4
BMX	BMX Non-Receptor Tyrosine Kinase
ACHE	Acetylcholinesterase (Cartwright Blood Group)
INHBB	Inhibin Subunit Beta B
PLIN5	Perilipin 5
MYH11	Myosin Heavy Chain 11
PSMD1	Proteasome 26S Subunit, Non-ATPase 1
SETD7	SET Domain Containing 7, Histone Lysine Methyltransferase
ADORA2B	Adenosine A2b Receptor
ZHX2	Zinc Fingers And Homeoboxes 2
TP53BP1	Tumor Protein P53 Binding Protein 1
SSTR5	Somatostatin Receptor 5
NAF1	Nuclear Assembly Factor 1 Ribonucleoprotein

RPL30	Ribosomal Protein L30
MT-CO2	Mitochondrially Encoded Cytochrome C Oxidase II
BMP8A	Bone Morphogenetic Protein 8a
PDZD7	PDZ Domain Containing 7
CNTF	Ciliary Neurotrophic Factor
SLIT2	Slit Guidance Ligand 2
XPO4	Exportin 4
THRB	Thyroid Hormone Receptor Beta
SULT1E1	Sulfotransferase Family 1E Member 1
GRIN1	Glutamate Ionotropic Receptor NMDA Type Subunit 1
ADGRE2	Adhesion G Protein-Coupled Receptor E2
RLN2	Relaxin 2
ALG1	ALG1 Chitobiosyldiphosphodolichol Beta-Mannosyltransferase
ADH7	Alcohol Dehydrogenase 7 (Class IV), Mu Or Sigma Polypeptide
CHAT	Choline O-Acetyltransferase
KCP	Kielin Cysteine Rich BMP Regulator
PDCD6	Programmed Cell Death 6
GATAD2A	GATA Zinc Finger Domain Containing 2A
GNPDA1	Glucosamine-6-Phosphate Deaminase 1
RAPH1	Ras Association (RalGDS/AF-6) And Pleckstrin Homology Domains 1
DUS2	Dihydrouridine Synthase 2
MED24	Mediator Complex Subunit 24
SCAMP4	Secretory Carrier Membrane Protein 4
TRAFD1	TRAF-Type Zinc Finger Domain Containing 1
WDR18	WD Repeat Domain 18

MSL1	MSL Complex Subunit 1
RAPGEFL1	Rap Guanine Nucleotide Exchange Factor Like 1
MACROH2A2	MacroH2A.2 Histone
MMP17	Matrix Metalloproteinase 17
MMP24	Matrix Metalloproteinase 24
GMFB	Glia Maturation Factor Beta
NDRG2	NDRG Family Member 2
FARP1	FERM, ARH/RhoGEF And Pleckstrin Domain Protein 1
PXN	Paxillin
TUBE1	Tubulin Epsilon 1
CHMP4B	Charged Multivesicular Body Protein 4B
RPS10	Ribosomal Protein S10
PCCA	Propionyl-CoA Carboxylase Subunit Alpha
PSAT1	Phosphoserine Aminotransferase 1
HCK	HCK Proto-Oncogene, Src Family Tyrosine Kinase
PDIA2	Protein Disulfide Isomerase Family A Member 2
CAMP	Cathelicidin Antimicrobial Peptide
ISCU	Iron-Sulfur Cluster Assembly Enzyme
ISCA1	Iron-Sulfur Cluster Assembly 1
MAGEA10	MAGE Family Member A10
PSMC5	Proteasome 26S Subunit, ATPase 5
SSTR4	Somatostatin Receptor 4
GNA12	G Protein Subunit Alpha 12
EFR3A	EFR3 Homolog A
EFR3B	EFR3 Homolog B

TMEM150A	Transmembrane Protein 150A
RAB7B	RAB7B, Member RAS Oncogene Family
IL17REL	Interleukin 17 Receptor E Like
GFUS	GDP-L-Fucose Synthase
RNF145	Ring Finger Protein 145
USP4	Ubiquitin Specific Peptidase 4
CREB3L2	CAMP Responsive Element Binding Protein 3 Like 2
TERF2IP	TERF2 Interacting Protein
ANP32A	Acidic Nuclear Phosphoprotein 32 Family Member A
DEFB103A	Defensin Beta 103A
LAMA3	Laminin Subunit Alpha 3
SNAP23	Synaptosome Associated Protein 23
TACSTD2	Tumor Associated Calcium Signal Transducer 2
PPAT	Phosphoribosyl Pyrophosphate Amidotransferase
PRDX3	Peroxiredoxin 3
GUCA1B	Guanylate Cyclase Activator 1B
IMPG2	Interphotoreceptor Matrix Proteoglycan 2
ZNF513	Zinc Finger Protein 513
F11	Coagulation Factor XI
KIFC3	Kinesin Family Member C3
NIP7	Nucleolar Pre-RRNA Processing Protein NIP7
ALG3	ALG3 Alpha-1,3- Mannosyltransferase
GOLGA5	Golgin A5
CA1	Carbonic Anhydrase 1
AHNAK	AHNAK Nucleoprotein

KHDRBS3	KH RNA Binding Domain Containing, Signal Transduction Associated 3
SLC35A1	Solute Carrier Family 35 Member A1
CRHR1	Corticotropin Releasing Hormone Receptor 1
RAD51	RAD51 Recombinase
PLA1A	Phospholipase A1 Member A
ABHD16B	Abhydrolase Domain Containing 16B
TP63	Tumor Protein P63
NUP88	Nucleoporin 88
PTAFR	Platelet Activating Factor Receptor
NUMB	NUMB Endocytic Adaptor Protein
ATP6V1C1	ATPase H ⁺ Transporting V1 Subunit C1
MGAM	Maltase-Glucoamylase
SIL1	SIL1 Nucleotide Exchange Factor
INPP4A	Inositol Polyphosphate-4-Phosphatase Type I A
BRF1	BRF1 RNA Polymerase III Transcription Initiation Factor Subunit
PCOLCE	Procollagen C-Endopeptidase Enhancer
ADAM9	ADAM Metallopeptidase Domain 9
ITGA2	Integrin Subunit Alpha 2
AGAP2	ArfGAP With GTPase Domain, Ankyrin Repeat And PH Domain 2
EPOR	Erythropoietin Receptor
GABRB3	Gamma-Aminobutyric Acid Type A Receptor Subunit Beta3
PPP1R9A	Protein Phosphatase 1 Regulatory Subunit 9A
PLB1	Phospholipase B1
PSMA2	Proteasome 20S Subunit Alpha 2
PSMB3	Proteasome 20S Subunit Beta 3

TIGIT	T Cell Immunoreceptor With Ig And ITIM Domains
ANKAR	Ankyrin And Armadillo Repeat Containing
BCL6B	BCL6B Transcription Repressor
MAPT	Microtubule Associated Protein Tau
CRB1	Crumbs Cell Polarity Complex Component 1
COQ3	Coenzyme Q3, Methyltransferase
PSMC3	Proteasome 26S Subunit, ATPase 3
PSMD14	Proteasome 26S Subunit, Non-ATPase 14
TGFBI	Transforming Growth Factor Beta Induced
APOL1	Apolipoprotein L1
PTGIS	Prostaglandin I2 Synthase
OPRK1	Opioid Receptor Kappa 1
RPL26	Ribosomal Protein L26
SH2D4A	SH2 Domain Containing 4A
SPINT1	Serine Peptidase Inhibitor, Kunitz Type 1
PRDM2	PR/SET Domain 2
VPS45	Vacuolar Protein Sorting 45 Homolog
CTSH	Cathepsin H
CTF1	Cardiotrophin 1
NBEAL2	Neurobeachin Like 2
HPS6	HPS6 Biogenesis Of Lysosomal Organelles Complex 2 Subunit 3
HPS5	HPS5 Biogenesis Of Lysosomal Organelles Complex 2 Subunit 2
VPS16	VPS16 Core Subunit Of CORVET And HOPS Complexes
PSMA4	Proteasome 20S Subunit Alpha 4
CELA3B	Chymotrypsin Like Elastase 3B

CSF1R	Colony Stimulating Factor 1 Receptor
MT1H	Metallothionein 1H
UHRF1	Ubiquitin Like With PHD And Ring Finger Domains 1
FANCB	FA Complementation Group B
S100A1	S100 Calcium Binding Protein A1
HGFAC	HGF Activator
SLC30A9	Solute Carrier Family 30 Member 9
GSPT2	G1 To S Phase Transition 2
BDKRB2	Bradykinin Receptor B2
FABP5	Fatty Acid Binding Protein 5
MIP	Major Intrinsic Protein Of Lens Fiber
FLT3	Fms Related Receptor Tyrosine Kinase 3
CCL1	C-C Motif Chemokine Ligand 1
CELA1	Chymotrypsin Like Elastase 1
MED1	Mediator Complex Subunit 1
TMC4	Transmembrane Channel Like 4
VPS13A	Vacuolar Protein Sorting 13 Homolog A
PMP22	Peripheral Myelin Protein 22
ADAM28	ADAM Metallopeptidase Domain 28
KCTD17	Potassium Channel Tetramerization Domain Containing 17
STS	Steroid Sulfatase
NUDT4	Nudix Hydrolase 4
RIN3	Ras And Rab Interactor 3
SEC61A1	SEC61 Translocon Subunit Alpha 1
KTN1	Kinectin 1

KLF14	Kruppel Like Factor 14
PNPO	Pyridoxamine 5'-Phosphate Oxidase
MSMP	Microseminoprotein, Prostate Associated
EIF6	Eukaryotic Translation Initiation Factor 6
HIC1	HIC ZBTB Transcriptional Repressor 1
LGALS7	Galectin 7
CCL15	C-C Motif Chemokine Ligand 15
TMEM80	Transmembrane Protein 80
NR2E3	Nuclear Receptor Subfamily 2 Group E Member 3
TRUB1	TruB Pseudouridine Synthase Family Member 1
STX10	Syntaxin 10
SHQ1	SHQ1, H/ACA Ribonucleoprotein Assembly Factor
ABCC5	ATP Binding Cassette Subfamily C Member 5
ACOX2	Acyl-CoA Oxidase 2
HTR2B	5-Hydroxytryptamine Receptor 2B
AVPR1B	Arginine Vasopressin Receptor 1B
TNN	Tenascin N
SEC24D	SEC24 Homolog D, COPII Coat Complex Component
ADH5	Alcohol Dehydrogenase 5 (Class III), Chi Polypeptide
GSTO1	Glutathione S-Transferase Omega 1
ANP32B	Acidic Nuclear Phosphoprotein 32 Family Member B
SPATS2L	Spermatogenesis Associated Serine Rich 2 Like
PPDPF	Pancreatic Progenitor Cell Differentiation And Proliferation Factor
PDCD5	Programmed Cell Death 5
PLVAP	Plasmalemma Vesicle Associated Protein

ADCYAP1	Adenylate Cyclase Activating Polypeptide 1
CSTA	Cystatin A
DEFB4A	Defensin Beta 4A
TMBIM6	Transmembrane BAX Inhibitor Motif Containing 6
DTNA	Dystrobrevin Alpha
GLB1	Galactosidase Beta 1
MAFG	MAF BZIP Transcription Factor G
PCSK5	Proprotein Convertase Subtilisin/Kexin Type 5
NADK2	NAD Kinase 2, Mitochondrial
ACAA1	Acetyl-CoA Acyltransferase 1
CCL28	C-C Motif Chemokine Ligand 28
TET3	Tet Methylcytosine Dioxygenase 3
ADAM8	ADAM Metallopeptidase Domain 8
HOXA10	Homeobox A10
TXN2	Thioredoxin 2
BLVRB	Biliverdin Reductase B
RARG	Retinoic Acid Receptor Gamma
EIF2A	Eukaryotic Translation Initiation Factor 2A
CRISP3	Cysteine Rich Secretory Protein 3
DAB2	DAB Adaptor Protein 2
B4GALT7	Beta-1,4-Galactosyltransferase 7
RNF185	Ring Finger Protein 185
BLZF1	Basic Leucine Zipper Nuclear Factor 1
HNRNPH1	Heterogeneous Nuclear Ribonucleoprotein H1
DGKQ	Diacylglycerol Kinase Theta

SLC25A17	Solute Carrier Family 25 Member 17
MTX1	Metaxin 1
BLOC1S6	Biogenesis Of Lysosomal Organelles Complex 1 Subunit 6
VPS39	VPS39 Subunit Of HOPS Complex
VPS8	VPS8 Subunit Of CORVET Complex
VPS18	VPS18 Core Subunit Of CORVET And HOPS Complexes
SLC35D3	Solute Carrier Family 35 Member D3
BLOC1S4	Biogenesis Of Lysosomal Organelles Complex 1 Subunit 4
KCNA2	Potassium Voltage-Gated Channel Subfamily A Member 2
KCNE1	Potassium Voltage-Gated Channel Subfamily E Regulatory Subunit 1
NUF2	NUF2 Component Of NDC80 Kinetochore Complex
UNC5A	Unc-5 Netrin Receptor A
PSMD9	Proteasome 26S Subunit, Non-ATPase 9
VSIG4	V-Set And Immunoglobulin Domain Containing 4
UBE2D3	Ubiquitin Conjugating Enzyme E2 D3
CISD2	CDGSH Iron Sulfur Domain 2
ASF1B	Anti-Silencing Function 1B Histone Chaperone
PPP1R13L	Protein Phosphatase 1 Regulatory Subunit 13 Like
EXOSC2	Exosome Component 2
TEFM	Transcription Elongation Factor, Mitochondrial
DGCR8	DGCR8 Microprocessor Complex Subunit
AP1M1	Adaptor Related Protein Complex 1 Subunit Mu 1
GABRA2	Gamma-Aminobutyric Acid Type A Receptor Subunit Alpha2
STBD1	Starch Binding Domain 1
RCOR3	REST Corepressor 3

ANXA4	Annexin A4
TCN1	Transcobalamin 1
ACLY	ATP Citrate Lyase
CDH11	Cadherin 11
GP9	Glycoprotein IX Platelet
MARVELD2	MARVEL Domain Containing 2
FBLN1	Fibulin 1
PDSS2	Decaprenyl Diphosphate Synthase Subunit 2
KDM3A	Lysine Demethylase 3A
SUMO1	Small Ubiquitin Like Modifier 1
LUM	Lumican
GNGT1	G Protein Subunit Gamma Transducin 1
UBASH3A	Ubiquitin Associated And SH3 Domain Containing A
STX18	Syntaxin 18
ZNHIT3	Zinc Finger HIT-Type Containing 3
CASD1	CAS1 Domain Containing 1
LIX1	Limb And CNS Expressed 1
NUDT10	Nudix Hydrolase 10
VPREB3	V-Set Pre-B Cell Surrogate Light Chain 3
SEM1	SEM1 26S Proteasome Subunit
IGHV4-38-2	Immunoglobulin Heavy Variable 4-38-2
ABHD6	Abhydrolase Domain Containing 6, Acylglycerol Lipase
SOX13	SRY-Box Transcription Factor 13
WDR82	WD Repeat Domain 82
RASGRF2	Ras Protein Specific Guanine Nucleotide Releasing Factor 2

MIB1	MIB E3 Ubiquitin Protein Ligase 1
EIF1	Eukaryotic Translation Initiation Factor 1
CCDC196	Coiled-Coil Domain Containing 196
EFCAB11	EF-Hand Calcium Binding Domain 11
CACNA2D1	Calcium Voltage-Gated Channel Auxiliary Subunit Alpha2delta 1
ADAMTS5	ADAM Metallopeptidase With Thrombospondin Type 1 Motif 5
PSMC6	Proteasome 26S Subunit, ATPase 6
ANKK1	Ankyrin Repeat And Kinase Domain Containing 1
USP15	Ubiquitin Specific Peptidase 15
SLC25A3	Solute Carrier Family 25 Member 3
H2BU1	H2B.U Histone 1
USP30	Ubiquitin Specific Peptidase 30
SPTBN2	Spectrin Beta, Non-Erythrocytic 2
FMOD	Fibromodulin
ACD	ACD Shelterin Complex Subunit And Telomerase Recruitment Factor
POT1	Protection Of Telomeres 1
GPAT2	Glycerol-3-Phosphate Acyltransferase 2, Mitochondrial
PTPN6	Protein Tyrosine Phosphatase Non-Receptor Type 6
SHOX2	Short Stature Homeobox 2
TSPY1	Testis Specific Protein Y-Linked 1
COL4A3	Collagen Type IV Alpha 3 Chain
COL4A4	Collagen Type IV Alpha 4 Chain
TM4SF5	Transmembrane 4 L Six Family Member 5
PDCD4	Programmed Cell Death 4
RSPO3	R-Spondin 3

ANGPTL2	Angiotensin Like 2
PSG2	Pregnancy Specific Beta-1-Glycoprotein 2
S1PR2	Sphingosine-1-Phosphate Receptor 2
PRRX1	Paired Related Homeobox 1
MMRN1	Multimerin 1
CCR10	C-C Motif Chemokine Receptor 10
CELSR3	Cadherin EGF LAG Seven-Pass G-Type Receptor 3
TFF2	Trefoil Factor 2
DNM1	Dynamin 1
ASCC1	Activating Signal Cointegrator 1 Complex Subunit 1
TRIP4	Thyroid Hormone Receptor Interactor 4
LAS1L	LAS1 Like Ribosome Biogenesis Factor
ENDOG	Endonuclease G
KIF11	Kinesin Family Member 11
PHPT1	Phosphohistidine Phosphatase 1
RBMY1A1	RNA Binding Motif Protein Y-Linked Family 1 Member A1
EPRS1	Glutamyl-Prolyl-TRNA Synthetase 1
CPEB1	Cytoplasmic Polyadenylation Element Binding Protein 1
MOB1A	MOB Kinase Activator 1A
CFC1	Cripto, FRL-1, Cryptic Family 1
AP5M1	Adaptor Related Protein Complex 5 Subunit Mu 1
ADH1A	Alcohol Dehydrogenase 1A (Class I), Alpha Polypeptide
TONSL	Tonsoku Like, DNA Repair Protein
NEDD4L	NEDD4 Like E3 Ubiquitin Protein Ligase
PSMC2	Proteasome 26S Subunit, ATPase 2

ABCF2	ATP Binding Cassette Subfamily F Member 2
LIG4	DNA Ligase 4
FZD4	Frizzled Class Receptor 4
CRYAA	Crystallin Alpha A
KRT6A	Keratin 6A
ELK3	ETS Transcription Factor ELK3
BCAT1	Branched Chain Amino Acid Transaminase 1
MSL2	MSL Complex Subunit 2
SLC23A1	Solute Carrier Family 23 Member 1
CHGB	Chromogranin B
TFPT	TCF3 Fusion Partner
GPAA1	Glycosylphosphatidylinositol Anchor Attachment 1
ESPL1	Extra Spindle Pole Bodies Like 1, Separase
DERL1	Derlin 1
TENT4A	Terminal Nucleotidyltransferase 4A
PARVB	Parvin Beta
ABCB10	ATP Binding Cassette Subfamily B Member 10
DHX35	DEAH-Box Helicase 35
LPIN3	Lipin 3
MBOAT1	Membrane Bound O-Acyltransferase Domain Containing 1
GPR174	G Protein-Coupled Receptor 174
WDR27	WD Repeat Domain 27
MYG1	MYG1 Exonuclease
CA4	Carbonic Anhydrase 4
HBG1	Hemoglobin Subunit Gamma 1

SHOX	Short Stature Homeobox
EFHC2	EF-Hand Domain Containing 2
SRY	Sex Determining Region Y
ARSL	Arylsulfatase L
RPS4Y1	Ribosomal Protein S4 Y-Linked 1
LY96	Lymphocyte Antigen 96
CTSS	Cathepsin S
TRIM33	Tripartite Motif Containing 33
CTNND2	Catenin Delta 2
KDM4D	Lysine Demethylase 4D
NUCB2	Nucleobindin 2
DUOX2	Dual Oxidase 2
TMEM100	Transmembrane Protein 100
ASAH2	N-Acylsphingosine Amidohydrolase 2
S100A8	S100 Calcium Binding Protein A8
FBRS	Fibrosin
KRT1	Keratin 1
CLEC4D	C-Type Lectin Domain Family 4 Member D
SCHIP1	Schwannomin Interacting Protein 1
SLC23A2	Solute Carrier Family 23 Member 2
RLN3	Relaxin 3
MARCO	Macrophage Receptor With Collagenous Structure
GPA33	Glycoprotein A33
PIP5K1C	Phosphatidylinositol-4-Phosphate 5-Kinase Type 1 Gamma
HAS2	Hyaluronan Synthase 2

MGAT4C	MGAT4 Family Member C
SLC48A1	Solute Carrier Family 48 Member 1
FNDC11	Fibronectin Type III Domain Containing 11
MPPE1	Metallophosphoesterase 1
GGPS1	Geranylgeranyl Diphosphate Synthase 1
GABRA1	Gamma-Aminobutyric Acid Type A Receptor Subunit Alpha1
PDE3B	Phosphodiesterase 3B
CHRM3	Cholinergic Receptor Muscarinic 3
TRPC6	Transient Receptor Potential Cation Channel Subfamily C Member 6
MEF2C	Myocyte Enhancer Factor 2C
MEF2A	Myocyte Enhancer Factor 2A
PTPRA	Protein Tyrosine Phosphatase Receptor Type A
MYOCD	Myocardin
P2RY14	Purinergic Receptor P2Y14
SEMA5A	Semaphorin 5A
SEMA6D	Semaphorin 6D
NOX5	NADPH Oxidase 5
UCKL1	Uridine-Cytidine Kinase 1 Like 1
SLC28A1	Solute Carrier Family 28 Member 1
SAMM50	SAMM50 Sorting And Assembly Machinery Component
AZGP1	Alpha-2-Glycoprotein 1, Zinc-Binding
ATP2C1	ATPase Secretory Pathway Ca ²⁺ Transporting 1
GSTA4	Glutathione S-Transferase Alpha 4
ART3	ADP-Ribosyltransferase 3 (Inactive)
GBP5	Guanylate Binding Protein 5

IL17C	Interleukin 17C
IGHG1	Immunoglobulin Heavy Constant Gamma 1 (G1m Marker)
CALB2	Calbindin 2
TMBIM1	Transmembrane BAX Inhibitor Motif Containing 1
HDLBP	High Density Lipoprotein Binding Protein
PLA2G5	Phospholipase A2 Group V
INPPL1	Inositol Polyphosphate Phosphatase Like 1
SLC10A6	Solute Carrier Family 10 Member 6
ATAD2	ATPase Family AAA Domain Containing 2
SLC28A2	Solute Carrier Family 28 Member 2
PIGT	Phosphatidylinositol Glycan Anchor Biosynthesis Class T
PIGG	Phosphatidylinositol Glycan Anchor Biosynthesis Class G
ATP6V1A	ATPase H ⁺ Transporting V1 Subunit A
CLN3	CLN3 Lysosomal/Endosomal Transmembrane Protein, Battenin
STT3B	STT3 Oligosaccharyltransferase Complex Catalytic Subunit B
DAD1	Defender Against Cell Death 1
MOCS2	Molybdenum Cofactor Synthesis 2
SSR4	Signal Sequence Receptor Subunit 4
SLC25A29	Solute Carrier Family 25 Member 29
RTF1	RTF1 Homolog, Paf1/RNA Polymerase II Complex Component
TREM2	Triggering Receptor Expressed On Myeloid Cells 2
CCDC88A	Coiled-Coil Domain Containing 88A
GSTO2	Glutathione S-Transferase Omega 2
CD47	CD47 Molecule
MUTYH	MutY DNA Glycosylase

KRT13	Keratin 13
CLPP	Caseinolytic Mitochondrial Matrix Peptidase Proteolytic Subunit
ENPP3	Ectonucleotide Pyrophosphatase/Phosphodiesterase 3
FOSB	FosB Proto-Oncogene, AP-1 Transcription Factor Subunit
CWF19L1	CWF19 Like Cell Cycle Control Factor 1
RAB24	RAB24, Member RAS Oncogene Family
FBXO2	F-Box Protein 2
LRRK2	Leucine Rich Repeat Kinase 2
UGDH	UDP-Glucose 6-Dehydrogenase
ASPA	Aspartoacylase
GALM	Galactose Mutarotase
ATP13A2	ATPase Cation Transporting 13A2
LNX1	Ligand Of Numb-Protein X 1
UGP2	UDP-Glucose Pyrophosphorylase 2
GALK2	Galactokinase 2
BMP15	Bone Morphogenetic Protein 15
ELOF1	Elongation Factor 1
LGALS7B	Galectin 7B
ZNF382	Zinc Finger Protein 382
EIF3E	Eukaryotic Translation Initiation Factor 3 Subunit E
IPO4	Importin 4
BCAR1	BCAR1 Scaffold Protein, Cas Family Member
ADAMTSL2	ADAMTS Like 2
MARCHF6	Membrane Associated Ring-CH-Type Finger 6
UFM1	Ubiquitin Fold Modifier 1

MYO5A	Myosin VA
RGMA	Repulsive Guidance Molecule BMP Co-Receptor A
RNF20	Ring Finger Protein 20
ABITRAM	Actin Binding Transcription Modulator
SLC25A5	Solute Carrier Family 25 Member 5
DUT	Deoxyuridine Triphosphatase
LGALS4	Galectin 4
NASP	Nuclear Autoantigenic Sperm Protein
ACVR1	Activin A Receptor Type 1
LSM14A	LSM14A MRNA Processing Body Assembly Factor
RPLP2	Ribosomal Protein Lateral Stalk Subunit P2
MYOD1	Myogenic Differentiation 1
KCNMA1	Potassium Calcium-Activated Channel Subfamily M Alpha 1
KCNQ3	Potassium Voltage-Gated Channel Subfamily Q Member 3
DERL2	Derlin 2
PAK1	P21 (RAC1) Activated Kinase 1
TMEM88	Transmembrane Protein 88
RAD21	RAD21 Cohesin Complex Component
LAMC1	Laminin Subunit Gamma 1
WAPL	WAPL Cohesin Release Factor
PRSS2	Serine Protease 2
PZP	PZP Alpha-2-Macroglobulin Like
CHIA	Chitinase Acidic
PBX1	PBX Homeobox 1
FLI1	Fli-1 Proto-Oncogene, ETS Transcription Factor

NR4A3	Nuclear Receptor Subfamily 4 Group A Member 3
AQP4	Aquaporin 4
STC1	Stanniocalcin 1
FIS1	Fission, Mitochondrial 1
SNX14	Sorting Nexin 14
GET3	Guided Entry Of Tail-Anchored Proteins Factor 3, ATPase
RALA	RAS Like Proto-Oncogene A
CBFB	Core-Binding Factor Subunit Beta
SLC3A1	Solute Carrier Family 3 Member 1
PHYH	Phytanoyl-CoA 2-Hydroxylase
SLC19A2	Solute Carrier Family 19 Member 2
NBEA	Neurobeachin
MLC1	Modulator Of VRAC Current 1
SLC1A7	Solute Carrier Family 1 Member 7
ANKRD26	Ankyrin Repeat Domain Containing 26
NEU2	Neuraminidase 2
PRDM8	PR/SET Domain 8
SLX4	SLX4 Structure-Specific Endonuclease Subunit
SEC22B	SEC22 Homolog B, Vesicle Trafficking Protein
TRA	T Cell Receptor Alpha Locus
PLP1	Proteolipid Protein 1
OLR1	Oxidized Low Density Lipoprotein Receptor 1
PYCARD	PYD And CARD Domain Containing
RNF111	Ring Finger Protein 111
HLX	H2.0 Like Homeobox

SLC9A9	Solute Carrier Family 9 Member A9
ST8SIA1	ST8 Alpha-N-Acetyl-Neuraminide Alpha-2,8-Sialyltransferase 1
STARD3	StAR Related Lipid Transfer Domain Containing 3
CILP2	Cartilage Intermediate Layer Protein 2
SEL1L3	SEL1L Family Member 3
ZP4	Zona Pellucida Glycoprotein 4
CKS2	CDC28 Protein Kinase Regulatory Subunit 2
HBA1	Hemoglobin Subunit Alpha 1
CPB1	Carboxypeptidase B1
TXNDC9	Thioredoxin Domain Containing 9
DPYS	Dihydropyrimidinase
TNRC6A	Trinucleotide Repeat Containing Adaptor 6A
MAGEB2	MAGE Family Member B2
GOLIM4	Golgi Integral Membrane Protein 4
PRKD3	Protein Kinase D3
ITGBL1	Integrin Subunit Beta Like 1
NPR2	Natriuretic Peptide Receptor 2
AIMP1	Aminoacyl TRNA Synthetase Complex Interacting Multifunctional Protein 1
SMOC2	SPARC Related Modular Calcium Binding 2
NPTXR	Neuronal Pentraxin Receptor
SNX22	Sorting Nexin 22
CCDC152	Coiled-Coil Domain Containing 152
PDE4B	Phosphodiesterase 4B
SLC4A7	Solute Carrier Family 4 Member 7
GBA2	Glucosylceramidase Beta 2

PIGO	Phosphatidylinositol Glycan Anchor Biosynthesis Class O
PIGL	Phosphatidylinositol Glycan Anchor Biosynthesis Class L
PGAP2	Post-GPI Attachment To Proteins 2
BPIFB1	BPI Fold Containing Family B Member 1
P2RX4	Purinergic Receptor P2X 4
PDXK	Pyridoxal Kinase
LPAR2	Lysophosphatidic Acid Receptor 2
SVIL	Supervillin
CHST2	Carbohydrate Sulfotransferase 2
CRACR2A	Calcium Release Activated Channel Regulator 2A
TEX36	Testis Expressed 36
JCAD	Junctional Cadherin 5 Associated
TLCD4-RWDD3	TLCD4-RWDD3 Readthrough
SNCG	Synuclein Gamma
ELMOD2	ELMO Domain Containing 2
AEBP1	AE Binding Protein 1
TOMM34	Translocase Of Outer Mitochondrial Membrane 34
SPRY2	Sprouty RTK Signaling Antagonist 2
SLC1A5	Solute Carrier Family 1 Member 5
TNFAIP8L1	TNF Alpha Induced Protein 8 Like 1
NPHS2	NPHS2 Stomatin Family Member, Podocin
FUNDC1	FUN14 Domain Containing 1
TDGF1	Teratocarcinoma-Derived Growth Factor 1
CMA1	Chymase 1
SCN8A	Sodium Voltage-Gated Channel Alpha Subunit 8

SYNGAP1	Synaptic Ras GTPase Activating Protein 1
ALOXE3	Arachidonate Lipoxygenase 3
RPL15	Ribosomal Protein L15
FAR1	Fatty Acyl-CoA Reductase 1
MLYCD	Malonyl-CoA Decarboxylase
RPL35A	Ribosomal Protein L35a
SYNE1	Spectrin Repeat Containing Nuclear Envelope Protein 1
GMPPA	GDP-Mannose Pyrophosphorylase A
STEAP2	STEAP2 Metalloreductase
WDR45	WD Repeat Domain 45
ABHD4	Abhydrolase Domain Containing 4, N-Acyl Phospholipase B
MAN2C1	Mannosidase Alpha Class 2C Member 1
STEAP1	STEAP Family Member 1
CYP4F22	Cytochrome P450 Family 4 Subfamily F Member 22
DCAF17	DDB1 And CUL4 Associated Factor 17
DHX37	DEAH-Box Helicase 37
PIF1	PIF1 5'-To-3' DNA Helicase
NCDN	Neurochondrin
PEX11A	Peroxisomal Biogenesis Factor 11 Alpha
PNPLA1	Patatin Like Phospholipase Domain Containing 1
ZFAND6	Zinc Finger AN1-Type Containing 6
C19orf12	Chromosome 19 Open Reading Frame 12
FBXO6	F-Box Protein 6
PLIN4	Perilipin 4
PNPLA4	Patatin Like Phospholipase Domain Containing 4

SSNA1	SS Nuclear Autoantigen 1
DCLRE1B	DNA Cross-Link Repair 1B
ECT2L	Epithelial Cell Transforming 2 Like
PEX5L	Peroxisomal Biogenesis Factor 5 Like
GPRIN2	G Protein Regulated Inducer Of Neurite Outgrowth 2
PEX11G	Peroxisomal Biogenesis Factor 11 Gamma
ABHD12B	Abhydrolase Domain Containing 12B
ABHD14A	Abhydrolase Domain Containing 14A
CARMIL2	Capping Protein Regulator And Myosin 1 Linker 2
DRD3	Dopamine Receptor D3
NLRP5	NLR Family Pyrin Domain Containing 5
HCLS1	Hematopoietic Cell-Specific Lyn Substrate 1
CRISPLD2	Cysteine Rich Secretory Protein LCCL Domain Containing 2
IPCEF1	Interaction Protein For Cytohesin Exchange Factors 1
RBMS3	RNA Binding Motif Single Stranded Interacting Protein 3
SCART1	Scavenger Receptor Family Member Expressed On T Cells 1
DRD1	Dopamine Receptor D1
SGPL1	Sphingosine-1-Phosphate Lyase 1
GAMT	Guanidinoacetate N-Methyltransferase
SVIP	Small VCP Interacting Protein
GCNT3	Glucosaminyl (N-Acetyl) Transferase 3, Mucin Type
HSPA12A	Heat Shock Protein Family A (Hsp70) Member 12A
ACP3	Acid Phosphatase 3
ABCC11	ATP Binding Cassette Subfamily C Member 11
SCLY	Selenocysteine Lyase

USF2	Upstream Transcription Factor 2, C-Fos Interacting
YTHDC2	YTH Domain Containing 2
FABP12	Fatty Acid Binding Protein 12
ARSH	Arylsulfatase Family Member H
DOK1	<i>Docking</i> Protein 1
LRG1	Leucine Rich Alpha-2-Glycoprotein 1
SOX1	SRY-Box Transcription Factor 1
SPPL2C	Signal Peptide Peptidase Like 2C
TAOK1	TAO Kinase 1
KCNJ5	Potassium Inwardly Rectifying Channel Subfamily J Member 5
FAM3A	FAM3 Metabolism Regulating Signaling Molecule A
PRSS8	Serine Protease 8
IFRD1	Interferon Related Developmental Regulator 1
KRT17	Keratin 17
MRPL46	Mitochondrial Ribosomal Protein L46
ADORA1	Adenosine A1 Receptor
P2RX2	Purinergic Receptor P2X 2
NET1	Neuroepithelial Cell Transforming 1
SELENOM	Selenoprotein M
GRM5	Glutamate Metabotropic Receptor 5
GABBR1	Gamma-Aminobutyric Acid Type B Receptor Subunit 1
HTR2C	5-Hydroxytryptamine Receptor 2C
SEPTIN11	Septin 11
FAT1	FAT Atypical Cadherin 1
S100A6	S100 Calcium Binding Protein A6

NF2	NF2, Moesin-Ezrin-Radixin Like (MERLIN) Tumor Suppressor
SLC4A4	Solute Carrier Family 4 Member 4
P2RY2	Purinergic Receptor P2Y2
AKAP13	A-Kinase Anchoring Protein 13
HSPE1	Heat Shock Protein Family E (Hsp10) Member 1
RAB11B	RAB11B, Member RAS Oncogene Family
GUCA2A	Guanylate Cyclase Activator 2A
B4GALNT1	Beta-1,4-N-Acetyl-Galactosaminyltransferase 1
DDX11	DEAD/H-Box Helicase 11
GJB3	Gap Junction Protein Beta 3
POFUT1	Protein O-Fucosyltransferase 1
AP1S2	Adaptor Related Protein Complex 1 Subunit Sigma 2
POLI	DNA Polymerase Iota
PUS7	Pseudouridine Synthase 7
THBS3	Thrombospondin 3
AP1M2	Adaptor Related Protein Complex 1 Subunit Mu 2
BMS1	BMS1 Ribosome Biogenesis Factor
GJB4	Gap Junction Protein Beta 4
CLPTM1L	CLPTM1 Like
NAPG	NSF Attachment Protein Gamma
AP5Z1	Adaptor Related Protein Complex 5 Subunit Zeta 1
CLEC6A	C-Type Lectin Domain Containing 6A
GXYLT1	Glucoside Xylosyltransferase 1
GXYLT2	Glucoside Xylosyltransferase 2
MAGEA11	MAGE Family Member A11

PAMR1	Peptidase Domain Containing Associated With Muscle Regeneration 1
BNIP1	BCL2 Interacting Protein 1
EXOC6B	Exocyst Complex Component 6B
GBA3	Glucosylceramidase Beta 3 (Gene/Pseudogene)
MAGEA8	MAGE Family Member A8
MRPL9	Mitochondrial Ribosomal Protein L9
RBM48	RNA Binding Motif Protein 48
SLC22A15	Solute Carrier Family 22 Member 15
CCDC93	Coiled-Coil Domain Containing 93
MAGEA6	MAGE Family Member A6
PLBD2	Phospholipase B Domain Containing 2
POP7	POP7 Homolog, Ribonuclease P/MRP Subunit
TRUB2	TruB Pseudouridine Synthase Family Member 2
TTLL11	Tubulin Tyrosine Ligase Like 11
TMCO4	Transmembrane And Coiled-Coil Domains 4
VWC2L	Von Willebrand Factor C Domain Containing 2 Like
XXYL1	Xyloside Xylosyltransferase 1
NPB	Neuropeptide B
SNU13	Small Nuclear Ribonucleoprotein 13
URB1	URB1 Ribosome Biogenesis Homolog
MAGEA2	MAGE Family Member A2
MAGEA2B	MAGE Family Member A2B
SLC66A1	Solute Carrier Family 66 Member 1
VPS35L	VPS35 Endosomal Protein Sorting Factor Like
SEMA7A	Semaphorin 7A (John Milton Hagen Blood Group)

RGS4	Regulator Of G Protein Signaling 4
ZFYVE9	Zinc Finger FYVE-Type Containing 9
SLC25A21	Solute Carrier Family 25 Member 21
MAP1LC3C	Microtubule Associated Protein 1 Light Chain 3 Gamma
PROK1	Prokineticin 1
EGFL7	EGF Like Domain Multiple 7
JKAMP	JNK1/MAPK8 Associated Membrane Protein
RARRES1	Retinoic Acid Receptor Responder 1
CD177	CD177 Molecule
HHAT	Hedgehog Acyltransferase
ARAP1	ArfGAP With RhoGAP Domain, Ankyrin Repeat And PH Domain 1
SETD1B	SET Domain Containing 1B, Histone Lysine Methyltransferase
SCAMP1	Secretory Carrier Membrane Protein 1
PRKG2	Protein Kinase CGMP-Dependent 2
PSMB1	Proteasome 20S Subunit Beta 1
DNAJC5	DnaJ Heat Shock Protein Family (Hsp40) Member C5
PSMA5	Proteasome 20S Subunit Alpha 5
PSMD2	Proteasome 26S Subunit Ubiquitin Receptor, Non-ATPase 2
PSMD4	Proteasome 26S Subunit Ubiquitin Receptor, Non-ATPase 4
PSMD7	Proteasome 26S Subunit, Non-ATPase 7
ANO1	Anoctamin 1
GOPC	Golgi Associated PDZ And Coiled-Coil Motif Containing
PSMB2	Proteasome 20S Subunit Beta 2
PSMC4	Proteasome 26S Subunit, ATPase 4
PSMD11	Proteasome 26S Subunit, Non-ATPase 11

PSME2	Proteasome Activator Subunit 2
ADCY1	Adenylate Cyclase 1
FZD5	Frizzled Class Receptor 5
ITGA11	Integrin Subunit Alpha 11
WNT2B	Wnt Family Member 2B
ANAPC1	Anaphase Promoting Complex Subunit 1
NGB	Neuroglobin
UQCRH	Ubiquinol-Cytochrome C Reductase Hinge Protein
AQP7	Aquaporin 7
CLDN2	Claudin 2
PTPMT1	Protein Tyrosine Phosphatase Mitochondrial 1
TRH	Thyrotropin Releasing Hormone
FUT4	Fucosyltransferase 4
HIF1AN	Hypoxia Inducible Factor 1 Subunit Alpha Inhibitor
ALPK2	Alpha Kinase 2
SCRG1	Stimulator Of Chondrogenesis 1
CNOT7	CCR4-NOT Transcription Complex Subunit 7
CMTM2	CKLF Like MARVEL Transmembrane Domain Containing 2
SLC26A3	Solute Carrier Family 26 Member 3
OXCT1	3-Oxoacid CoA-Transferase 1
COL4A6	Collagen Type IV Alpha 6 Chain
RXFP1	Relaxin Family Peptide Receptor 1
HSD17B1	Hydroxysteroid 17-Beta Dehydrogenase 1
DCP2	Decapping MRNA 2
DUSP26	Dual Specificity Phosphatase 26

AMPD3	Adenosine Monophosphate Deaminase 3
GNPTAB	N-Acetylglucosamine-1-Phosphate Transferase Subunits Alpha And Beta
DLG4	Discs Large MAGUK Scaffold Protein 4
CRK	CRK Proto-Oncogene, Adaptor Protein
COL4A5	Collagen Type IV Alpha 5 Chain
IQGAP2	IQ Motif Containing GTPase Activating Protein 2
VSIR	V-Set Immunoregulatory Receptor
PMS1	PMS1 Homolog 1, Mismatch Repair System Component
DCP1A	Decapping mRNA 1A
SLC12A1	Solute Carrier Family 12 Member 1
UCHL5	Ubiquitin C-Terminal Hydrolase L5
LAMB1	Laminin Subunit Beta 1
TPTE2	Transmembrane Phosphoinositide 3-Phosphatase And Tensin Homolog 2
CDKN2D	Cyclin Dependent Kinase Inhibitor 2D
PRIM1	DNA Primase Subunit 1
MAP3K15	Mitogen-Activated Protein Kinase Kinase Kinase 15
WLS	Wnt Ligand Secretion Mediator
NT5C3A	5'-Nucleotidase, Cytosolic IIIA
RPIA	Ribose 5-Phosphate Isomerase A
TRPV2	Transient Receptor Potential Cation Channel Subfamily V Member 2
STRN4	Striatin 4
MACC1	MET Transcriptional Regulator MACC1
AGR2	Anterior Gradient 2, Protein Disulphide Isomerase Family Member
CIAPIN1	Cytokine Induced Apoptosis Inhibitor 1
FFAR4	Free Fatty Acid Receptor 4

CALCR	Calcitonin Receptor
UCP3	Uncoupling Protein 3
GOLGB1	Golgin B1
RBMY1B	RNA Binding Motif Protein Y-Linked Family 1 Member B
ABCB5	ATP Binding Cassette Subfamily B Member 5
PTP4A1	Protein Tyrosine Phosphatase 4A1
TSC22D3	TSC22 Domain Family Member 3
FMNL2	Formin Like 2
SVEP1	Sushi, Von Willebrand Factor Type A, EGF And Pentraxin Domain Containing 1
REPIN1	Replication Initiator 1
UTS2B	Urotensin 2B
RBMY1F	RNA Binding Motif Protein Y-Linked Family 1 Member F
RBMY1J	RNA Binding Motif Protein Y-Linked Family 1 Member J
RBMY1D	RNA Binding Motif Protein Y-Linked Family 1 Member D
RBMY1E	RNA Binding Motif Protein Y-Linked Family 1 Member E
SLC16A1	Solute Carrier Family 16 Member 1
MBD4	Methyl-CpG Binding Domain 4, DNA Glycosylase
ASRGL1	Asparaginase And Isoaspartyl Peptidase 1
LHPP	Phospholysine Phosphohistidine Inorganic Pyrophosphate Phosphatase
TRA2B	Transformer 2 Beta Homolog
ZMYND10	Zinc Finger MYND-Type Containing 10
CYSLTR1	Cysteinyl Leukotriene Receptor 1
CCT3	Chaperonin Containing TCP1 Subunit 3
CBLL1	Cbl Proto-Oncogene Like 1
CEMIP	Cell Migration Inducing Hyaluronidase 1

BAGE	B Melanoma Antigen
YES1	YES Proto-Oncogene 1, Src Family Tyrosine Kinase
RDH5	Retinol Dehydrogenase 5
SLC25A11	Solute Carrier Family 25 Member 11
MCAM	Melanoma Cell Adhesion Molecule
USP22	Ubiquitin Specific Peptidase 22
FAM111B	FAM111 Trypsin Like Peptidase B
DDX53	DEAD-Box Helicase 53
ALDH1B1	Aldehyde Dehydrogenase 1 Family Member B1
KLF5	Kruppel Like Factor 5
MCM6	Minichromosome Maintenance Complex Component 6
SNRPN	Small Nuclear Ribonucleoprotein Polypeptide N
GPX7	Glutathione Peroxidase 7
INA	Internexin Neuronal Intermediate Filament Protein Alpha
SEMA3B	Semaphorin 3B
CHI3L2	Chitinase 3 Like 2
SSX2	SSX Family Member 2
SGIP1	SH3GL Interacting Endocytic Adaptor 1
SSX5	SSX Family Member 5
GAGE1	G Antigen 1

Lampiran 7

Target Protein hasil persilangan dari Webserver

NO	Simbol Protein	Nama Protein	Kode Uniprot
1	EP300	HISTONE ACETYLTRANSFERASE P300	Q09472
2	NOS2	Nitric oxide synthase, inducible	P35228
3	PTPN22	Tyrosine-protein phosphatase non-receptor type 22	Q9Y2R2
4	MAOA	Amine oxidase [flavin-containing] A	P21397
5	SHBG	SEX HORMONE-BINDING GLOBULIN	P04278
6	MAPK10	MITOGEN-ACTIVATED PROTEIN KINASE 10	P53779
7	RARB	Retinoic acid receptor beta	P10826
8	GSTP1	GLUTATHIONE S-TRANSFERASE P	P09211
9	AHR	Aryl hydrocarbon receptor	P35869
10	CYP19A1	Aromatase	P11511
11	F2	PROTHROMBIN	P00734
12	PTGS2	Prostaglandin G/H synthase 2	P35354
13	APOBEC3A	apolipoprotein B mRNA editing enzyme catalytic subunit 3A	P31941
14	ESR1	ESTROGEN RECEPTOR	P03372
15	CCNA2	CYCLIN-A2	P20248
16	CHIT1	CHITOTRIOSIDASE-1	Q13231
17	NR2F2	COUP transcription factor 2	P24468
18	CA4	Carbonic anhydrase 4	P22748
19	PLA2G1B	Phospholipase A2 Group IB	P04054
20	EGFR	EPIDERMAL GROWTH FACTOR RECEPTOR	P00533
21	MAPK8	MITOGEN-ACTIVATED PROTEIN KINASE 8	P45983
22	GPR35	G Protein-Coupled Receptor 35	Q9HC97

23	MTAP	Methylthioadenosine Phosphorylase	Q13126
24	AKR1B1	Aldo-Keto Reductase Family 1 Member B	P15121
25	SRC	SRC Proto-Oncogene, Non-Receptor Tyrosine Kinase	P12931
26	CDK2	Cyclin Dependent Kinase 2	P24941
27	PDE4B	Phosphodiesterase 4B	Q07343
28	CASP9	Caspase 9	P55211
29	HDAC1	Histone Deacetylase 1	Q13547
30	ESR2	Estrogen Receptor 2	Q92731
31	BRAF	B-Raf Proto-Oncogene, Serine/Threonine Kinase	P15056
32	ALPL	Alkaline Phosphatase, Biomineralization Associated	P05186
33	PLAU	UROKINASE-TYPE PLASMINOGEN ACTIVATOR	P00749
34	MMP13	COLLAGENASE 3	P45452
35	ALOX5	Arachidonate 5-Lipoxygenase	P20292
36	RXRA	Retinoid X Receptor Alpha	P19793
37	PLK1	Polo Like Kinase 1	P53350
38	HTR2C	5-hydroxytryptamine receptor 2C	P28335
39	KIF11	KINESIN-LIKE PROTEIN KIF11	P52732
40	PPARG	PEROXISOME PROLIFERATOR-ACTIVATED RECEPTOR GAMMA	P37231
41	ESRRG	ESTROGEN-RELATED RECEPTOR GAMMA	P62508
42	MAPK14	MITOGEN-ACTIVATED PROTEIN KINASE 14	Q16539
43	TGFB1	TGF-BETA RECEPTOR TYPE-1	P36897
44	CTSD	CATHEPSIN D	P07339
45	ACHE	Acetylcholinesterase	P22303
46	ANXA5	ANNEXIN A5	P08758
47	HSP90AA1	HEAT SHOCK PROTEIN HSP 90-ALPHA	P07900

48	KDR	VASCULAR ENDOTHELIAL GROWTH FACTOR RECEPTOR 2	P35968
49	ABCG2	ATP-binding cassette sub-family G member 2	Q9UNQ0
50	NQO1	NAD(P)H DEHYDROGENASE [QUINONE] 1	P15559
51	ICAM1	Intercellular adhesion molecule 1	P05362
52	CA2	CARBONIC ANHYDRASE 2	P00918
53	APOBEC3G	apolipoprotein B mRNA editing enzyme catalytic subunit 3G	Q9HC16
54	PTGS1	Prostaglandin G/H synthase 1	P23219
55	CA1	CARBONIC ANHYDRASE 1	P00915
56	AR	ANDROGEN RECEPTOR	P10275
57	APP	Amyloid beta A4 protein	P05067
58	PAH	PHENYLALANINE-4-HYDROXYLASE	P00439

Lampiran 8

Proses Interaksi Inter-Protein menggunakan *plug-in* CytoNCA

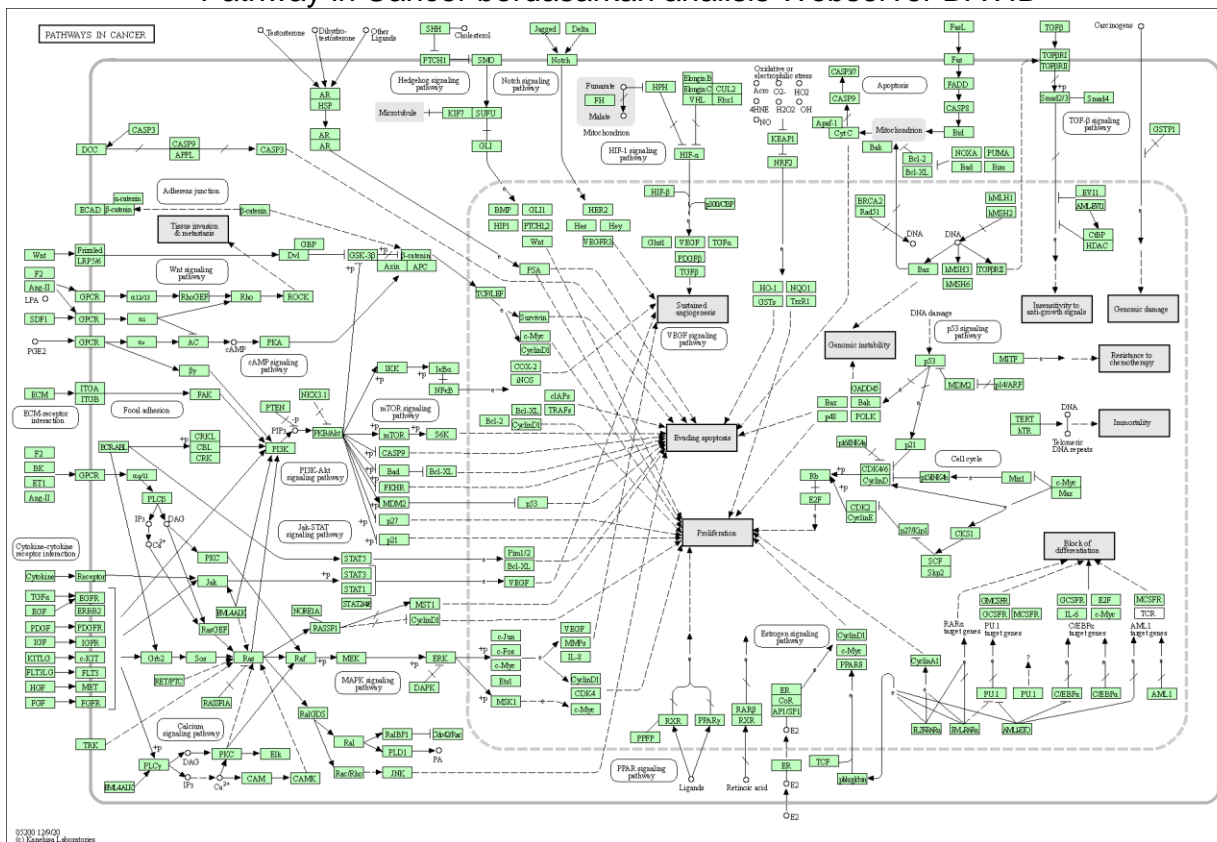
Skrining Pertama			Skrining Kedua				
NO	Simbol Protein	Degree (DC >20.8889)	NO	Simbol Protein	Degree (DC >20.8889)	Betweenness (BC>7.5455)	Closeness (CC>0.7512)
1	PTGS2	58	1	PTGS2	40	24.31681	0.95454544
2	EGFR	58	2	EGFR	40	24.100143	0.95454544
3	PPARG	54	3	SRC	38	17.943	0.9130435
4	ESR1	54	4	ESR1	38	21.35801	0.9130435
5	SRC	54	5	HSP90AA1	36	11.9017315	0.875
6	HSP90AA1	46	6	MAPK8	32	10.783478	0.8076923
7	MAPK14	44	7	ANXA5	32	10.997764	0.8076923
8	EP300	42	8	PPARG	30	9.149279	0.7777778
9	ANXA5	42	9	EP300	30	6.8103895	0.7777778
10	MAPK8	38	10	MAPK14	30	5.085859	0.7777778
11	HDAC1	36	11	AR	28	6.603968	0.75
12	AR	34	12	HDAC1	26	2.2302308	0.7241379
13	APP	32	13	CASP9	22	1.881746	0.67741936
14	AHR	30	14	APP	22	2.1357143	0.67741936
15	ESR2	28	15	KDR	22	2.3428571	0.67741936
16	KDR	28	16	ESR2	20	1.6126984	0.65625
17	PLAU	24	17	CCNA2	20	1.1484848	0.65625
18	CCNA2	24	18	CDK2	20	1.5231602	0.65625
19	CDK2	24	19	AHR	20	2.1318183	0.65625
20	ICAM1	24	20	PLAU	16	0.7714286	0.61764705

21	CASP9	22	21	ICAM1	16	0.7714286	0.61764705
22	GSTP1	22	22	GSTP1	14	0.4	0.6
23	NOS2	20					
24	CYP19A1	20					
25	F2	16					
26	CTSD	16					
27	NQO1	16					
28	ABCG2	16					
29	RXRA	14					
30	PLK1	14					
31	AKR1B1	14					
32	TGFBR1	12					
33	NR2F2	12					
34	MAPK10	12					
35	MMP13	12					
36	PLA2G1B	12					
37	RARB	10					
38	PTGS1	10					
39	ALOX5	10					
40	BRAF	8					
41	SHBG	8					
42	ACHE	8					
43	KIF11	6					
44	ALPL	6					
45	HTR2C	6					

46	CA1	6	
47	PTPN22	4	
48	ESRRG	4	
49	CHIT1	4	
50	PAH	4	
51	MAOA	4	
52	CA2	2	
53	CA4	2	
54	GPR35	2	

Lampiran 9

Pathway in Cancer berdasarkan analisis Webserver DAVID



Lampiran 10

Lembar Konsultasi

LEMBAR KONSULTASI SKRIPSI

Nama Mahasiswa : Khalish Arsy Al Khairy Siregar
 NIM : 1911102415125
 Pembimbing : Paula Mariana Kustiawan M.Sc., Ph.D.
 Judul Penelitian : Identifikasi Target Terapi Kurkumin sebagai Agen Hepaprotektor pada Sirosis Hati berdasarkan Pendekatan *Network Pharmacology* dan *Molecular Docking*

No.	Tanggal	Materi Bimbingan	Arahan/Masukan	Bukti Konsultasi
1	29 Agustus 2022	Pengajuan judul Skripsi	Perbaiki judul, di arahkan membuat Formulasi	
2	23 September 2022	Penambahan materi dan perubahan tujuan	Penambahan materi Sediaan dan tujuan	
3	10 November 2022	Metode, alur Penelitian	Perbaik Metode Penelitian	
4	23 Desember 2022	Alur Penelitian	Perbaiki alur Penelitian	
5	05 Januari 2023	Persiapan Keberangkatan ke BRIN	-	
6	14 Februari 2023	Preparasi Data	Gunakan Jurnal berputasi tinggi sebagai <i>benchmark</i>	
7	26 Maret 2023	Processing Data Protein	Gunakan Jurnal berputasi tinggi sebagai <i>benchmark</i>	
8	29 April 2023	Konfirmasi Target Protein	Lanjutkan Validasi <i>Molecular Docking</i>	
9	23 Mei 2023	Simulasi <i>Molecular Docking</i>	Masukan berupa hal-hal yang perlu dimasukan di pembahasan	
10	05 Juni 2023	Konsul Skripsi	Diarahkan untuk maju seminar hasil	

Lampiran 11

Hasil Uji Turnitin

SK 1 : Khalish Arsy Al Khairy Siregar

by Universitas Muhammadiyah Kalimantan Timur

Submission date: 20-Dec-2023 11:50AM (UTC+0800)
Submission ID: 2190886224
File name: KHALISH_ARSY_AL_KHAIRY_SIREGAR_1911102415125_1.docx (2.37M)
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