

Appendix table 1 Target genes related to osteoarthritis from GeneCards database

Gene Symbol	Description	Category	Gifts	GC Id	Relevance score	GeneCards Link
COL2A1	Collagen Type II Alpha 1 Chain	Protein Coding	54	GC12M047972	62.63	https://www.genecards.org/cgi-bin/carddisp.pl?gene=COL2A1
ACAN	Aggrecan	Protein Coding	51	GC15P088817	50.05	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ACAN
COMP	Cartilage Oligomeric Matrix Protein	Protein Coding	54	GC19M018754	49.19	https://www.genecards.org/cgi-bin/carddisp.pl?gene=COMP
MATN3	Matrilin 3	Protein Coding	49	GC02M019992	42.48	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MATN3
GDF5	Growth Differentiation Factor 5	Protein Coding	54	GC20M035433	42.14	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GDF5
MMP13	Matrix Metalloproteinase 13	Protein Coding	57	GC11M102942	36.82	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MMP13
FRZB	Frizzled Related Protein	Protein Coding	46	GC02M182833	35.63	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FRZB
SMAD3	SMAD Family Member 3	Protein Coding	55	GC15P067063	35.44	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SMAD3
COL11A2	Collagen Type XI Alpha 2 Chain	Protein Coding	51	GC06M033162	34.01	https://www.genecards.org/cgi-bin/carddisp.pl?gene=COL11A2
COL9A1	Collagen Type IX Alpha 1 Chain	Protein Coding	49	GC06M070215	32.36	https://www.genecards.org/cgi-bin/carddisp.pl?gene=COL9A1
ASPN	Asporin	Protein Coding	45	GC09M092458	26.27	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ASPN
PTGS2	Prostaglandin-Endoperoxide Synthase 2	Protein Coding	56	GC01M186640	25.9	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PTGS2
COL3A1	Collagen Type III Alpha 1 Chain	Protein Coding	53	GC02P188974	24.84	https://www.genecards.org/cgi-bin/carddisp.pl?gene=COL3A1
COL9A2	Collagen Type IX Alpha 2 Chain	Protein Coding	49	GC01M040300	24.49	https://www.genecards.org/cgi-bin/carddisp.pl?gene=COL9A2
FBN1	Fibrillin 1	Protein	51	GC15M048408	24.32	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FBN1

IL1B	Interleukin 1 Beta	Coding Protein Coding	54	GC02M112829	24.08	bin/carddisp.pl?gene=IL1B https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL1B
COL9A3	Collagen Type IX Alpha 3 Chain	Protein Coding	49	GC20P062816	23.21	https://www.genecards.org/cgi-bin/carddisp.pl?gene=COL9A3
TNF	Tumor Necrosis Factor	Protein Coding	59	GC06P032499	22.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TNF
MMP3	Matrix Metalloproteinase 3	Protein Coding	57	GC11M102835	22.07	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MMP3
SLC26A2	Solute Carrier Family 26 Member 2	Protein Coding	50	GC05P149944	21.07	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SLC26A2
IL6	Interleukin 6	Protein Coding	55	GC07P022765	20.82	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL6
TGFB1	Transforming Growth Factor Beta 1	Protein Coding	59	GC19M041301	20.21	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TGFB1
MMP1	Matrix Metalloproteinase 1	Protein Coding	58	GC11M102810	20.14	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MMP1
ADAMTS5	ADAM Metalloproteinase With Thrombospondin Type 1 Motif 5	Protein Coding	48	GC21M026918	19.68	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ADAMTS5
COL1A2	Collagen Type I Alpha 2 Chain	Protein Coding	53	GC07P094394	19.36	https://www.genecards.org/cgi-bin/carddisp.pl?gene=COL1A2
COL1A1	Collagen Type I Alpha 1 Chain	Protein Coding	56	GC17M050183	18.56	https://www.genecards.org/cgi-bin/carddisp.pl?gene=COL1A1
CILP	Cartilage Intermediate Layer Protein	Protein Coding	46	GC15M065194	17.78	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CILP
UFSP2	UFM1 Specific Peptidase 2	Protein Coding	44	GC04M185399	17.48	https://www.genecards.org/cgi-bin/carddisp.pl?gene=UFSP2
TIMP1	TIMP Metalloproteinase Inhibitor 1	Protein Coding	51	GC0XP047583	16.73	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TIMP1
ADAMTS4	ADAM Metalloproteinase With Thrombospondin Type 1 Motif 4	Protein Coding	48	GC01M161184	16.62	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ADAMTS4
DDR2	Discoidin Domain Receptor Tyrosine Kinase 2	Protein Coding	59	GC01P162631	16.27	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DDR2

BMP5	Bone Morphogenetic Protein 5	Protein Coding	48	GC06M055728	14.96	https://www.genecards.org/cgi-bin/carddisp.pl?gene=BMP5
TRPV4	Transient Receptor Potential Cation Channel Subfamily V Member 4	Protein Coding	56	GC12M109783	14.96	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TRPV4
TRAPPC2	Trafficking Protein Particle Complex 2	Protein Coding	44	GC0XM013640	14.94	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TRAPPC2
TNFAIP6	TNF Alpha Induced Protein 6	Protein Coding	46	GC02P151357	14.21	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TNFAIP6
LOC105369752	Uncharacterized LOC105369752	RNA Gene	6	GC12P047980	14.2	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LOC105369752
KIF22	Kinesin Family Member 22	Protein Coding	50	GC16P029802	14.2	https://www.genecards.org/cgi-bin/carddisp.pl?gene=KIF22
SOX9	SRY-Box 9	Protein Coding	53	GC17P072121	14.18	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SOX9
ANKH	ANKH Inorganic Pyrophosphate Transport Regulator	Protein Coding	46	GC05M014706	13.93	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ANKH
CCAL1	Chondrocalcinosis 1 (Calcium Pyrophosphate-Deposition Disease, Early Onset Osteoarthritis)	Genetic Locus	7	GC08U990009	13.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CCAL1
IL10	Interleukin 10	Protein Coding	53	GC01M206767	13.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL10
BGLAP	Bone Gamma-Carboxyglutamate Protein	Protein Coding	46	GC01P156211	13.37	https://www.genecards.org/cgi-bin/carddisp.pl?gene=BGLAP
AEBP1	AE Binding Protein 1	Protein Coding	45	GC07P044106	13.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=AEBP1
IL1RN	Interleukin 1 Receptor Antagonist	Protein Coding	54	GC02P114223	13.2	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL1RN
TGFBR1	Transforming Growth Factor Beta Receptor 1	Protein Coding	59	GC09P099104	13.07	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TGFBR1
TNFSF11	TNF Superfamily Member 11	Protein Coding	54	GC13P042562	12.96	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TNFSF11
FGFR3	Fibroblast Growth Factor Receptor 3	Protein Coding	62	GC04P001795	12.83	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FGFR3

COL5A2	Collagen Type V Alpha 2 Chain	Protein Coding	47	GC02M189031	12.78	https://www.genecards.org/cgi-bin/carddisp.pl?gene=COL5A2
TGFB2	Transforming Growth Factor Beta 2	Protein Coding	55	GC01P218345	12.69	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TGFB2
CLCN7	Chloride Voltage-Gated Channel 7	Protein Coding	51	GC16M001444	12.68	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CLCN7
ALB	Albumin	Protein Coding	57	GC04P073397	12.5	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ALB
PRG4	Proteoglycan 4	Protein Coding	45	GC01P186265	12.27	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PRG4
COL11A1	Collagen Type XI Alpha 1 Chain	Protein Coding	49	GC01M102876	12.27	https://www.genecards.org/cgi-bin/carddisp.pl?gene=COL11A1
TGFBR2	Transforming Growth Factor Beta Receptor 2	Protein Coding	58	GC03P030623	12.07	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TGFBR2
COL5A1	Collagen Type V Alpha 1 Chain	Protein Coding	51	GC09P134641	11.93	https://www.genecards.org/cgi-bin/carddisp.pl?gene=COL5A1
TGFB3	Transforming Growth Factor Beta 3	Protein Coding	53	GC14M075958	11.87	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TGFB3
LOX	Lysyl Oxidase	Protein Coding	51	GC05M122063	11.8	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LOX
TNFRSF11B	TNF Receptor Superfamily Member 11b	Protein Coding	54	GC08M118923	11.53	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TNFRSF11B
CXCL8	C-X-C Motif Chemokine Ligand 8	Protein Coding	46	GC04P073740	11.49	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CXCL8
GNAS	GNAS Complex Locus	Protein Coding	57	GC20P058839	11.42	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GNAS
EXT1	Exostosin Glycosyltransferase 1	Protein Coding	54	GC08M117798	11.42	https://www.genecards.org/cgi-bin/carddisp.pl?gene=EXT1
PHEX	Phosphate Regulating Endopeptidase Homolog X-Linked	Protein Coding	47	GC0XP022052	11.35	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PHEX
CRP	C-Reactive Protein	Protein Coding	53	GC01M159682	11.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CRP
H19	H19 Imprinted Maternally Expressed	RNA Gene	29	GC11M001995	11	https://www.genecards.org/cgi-bin/carddisp.pl?gene=H19

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XYLT1	Xylosyltransferase 1	Protein Coding	49	GC16M017101	10.83	https://www.genecards.org/cgi-bin/carddisp.pl?gene=XYLT1
TMSB4X	Thymosin Beta 4 X-Linked	Protein Coding	46	GC0XP012993	10.83	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TMSB4X
IL17A	Interleukin 17A	Protein Coding	49	GC06P052186	10.76	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL17A
KCNK15-AS1	KCNK15 And WISP2 Antisense RNA 1	RNA Gene	13	GC20M044694	10.62	https://www.genecards.org/cgi-bin/carddisp.pl?gene=KCNK15-AS1
IL1A	Interleukin 1 Alpha	Protein Coding	50	GC02M112773	10.59	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL1A
SMAD6	SMAD Family Member 6	Protein Coding	51	GC15P066702	10.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SMAD6
ACTA2	Actin Alpha 2, Smooth Muscle	Protein Coding	54	GC10M088935	10.48	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ACTA2
MEG3	Maternally Expressed 3	RNA Gene	32	GC14P103811	10.45	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MEG3
GAS5	Growth Arrest Specific 5	RNA Gene	23	GC01M174052	10.45	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GAS5
MMP9	Matrix Metalloproteinase 9	Protein Coding	60	GC20P046008	10.24	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MMP9
HOTAIR	HOX Transcript Antisense RNA	RNA Gene	26	GC12M053962	10.23	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HOTAIR
GHR	Growth Hormone Receptor	Protein Coding	53	GC05P042429	10.19	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GHR
MYLK	Myosin Light Chain Kinase	Protein Coding	59	GC03M123610	10.16	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MYLK
PRKG1	Protein Kinase CGMP-Dependent 1	Protein Coding	56	GC10P050991	10.16	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PRKG1
ILK	Integrin Linked Kinase	Protein Coding	53	GC11P006581	10.16	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ILK
APRT	Adenine Phosphoribosyltransferase	Protein Coding	53	GC16M088810	10.16	https://www.genecards.org/cgi-bin/carddisp.pl?gene=APRT

MYH11	Myosin Heavy Chain 11	Protein Coding	52	GC16M015704	10.16	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MYH11
LIMS1	LIM Zinc Finger Domain Containing 1	Protein Coding	46	GC02P108609	10.16	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LIMS1
DDH2	Developmental Dysplasia Of The Hip 2	Genetic Locus	3	GC03U902136	10.16	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DDH2
SHOX	Short Stature Homeobox	Protein Coding	44	GC0XP000624	10.09	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SHOX
UFC1	Ubiquitin-Fold Modifier Conjugating Enzyme 1	Protein Coding	43	GC01P161152	10.09	https://www.genecards.org/cgi-bin/carddisp.pl?gene=UFC1
CANT1	Calcium Activated Nucleotidase 1	Protein Coding	50	GC17M078992	10.06	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CANT1
TNXB	Tenascin XB	Protein Coding	50	GC06M032177	10.06	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TNXB
HGD	Homogentisate 1,2-Dioxygenase	Protein Coding	50	GC03M120628	9.8	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HGD
IGF1	Insulin Like Growth Factor 1	Protein Coding	55	GC12M102395	9.72	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IGF1
PACERR	PTGS2 Antisense NFKB1 Complex-Mediated Expression Regulator RNA	RNA Gene	14	GC01P186680	9.65	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PACERR
ACP5	Acid Phosphatase 5, Tartrate Resistant	Protein Coding	53	GC19M011574	9.61	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ACP5
VEGFA	Vascular Endothelial Growth Factor A	Protein Coding	56	GC06P043770	9.59	https://www.genecards.org/cgi-bin/carddisp.pl?gene=VEGFA
CCL2	C-C Motif Chemokine Ligand 2	Protein Coding	55	GC17P034255	9.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CCL2
PCGEM1	PCGEM1 Prostate-Specific Transcript	RNA Gene	20	GC02P192749	9.31	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PCGEM1
CTSK	Cathepsin K	Protein Coding	55	GC01M150768	8.98	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CTSK
PMS2P2	PMS1 Homolog 2, Mismatch Repair System Component Pseudogene 2	Pseudogene	22	GC07M075343	8.97	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PMS2P2
F9	Coagulation Factor IX	Protein	52	GC0XP139530	8.95	https://www.genecards.org/cgi-

HFE	Homeostatic Iron Regulator	Coding Protein	50	GC06P026087	8.85	bin/carddisp.pl?gene=F9 https://www.genecards.org/cgi-bin/carddisp.pl?gene=HFE
KCNJ5	Potassium Voltage-Gated Channel Subfamily J Member 5	Coding Protein	54	GC11P128891	8.8	https://www.genecards.org/cgi-bin/carddisp.pl?gene=KCNJ5
KCTD13	Potassium Channel Tetramerization Domain Containing 13	Coding Protein	41	GC16M029905	8.8	https://www.genecards.org/cgi-bin/carddisp.pl?gene=KCTD13
MIR146A	MicroRNA 146a	RNA Gene	23	GC05P160485	8.8	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR146A
ADIPOQ	Adiponectin, C1Q And Collagen Domain Containing	Coding Protein	51	GC03P186842	8.72	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ADIPOQ
TP53	Tumor Protein P53	Coding Protein	60	GC17M007661	8.62	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TP53
HLA-B	Major Histocompatibility Complex, Class I, B	Coding Protein	51	GC06M031277	8.61	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HLA-B
IL18	Interleukin 18	Coding Protein	50	GC11M112143	8.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL18
PTPN22	Protein Tyrosine Phosphatase Non-Receptor Type 22	Coding Protein	53	GC01M113813	8.47	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PTPN22
VDR	Vitamin D Receptor	Coding Protein	57	GC12M047841	8.46	https://www.genecards.org/cgi-bin/carddisp.pl?gene=VDR
GBA	Glucosylceramidase Beta	Coding Protein	54	GC01M155234	8.45	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GBA
EXT2	Exostosin Glycosyltransferase 2	Coding Protein	53	GC11P044117	8.45	https://www.genecards.org/cgi-bin/carddisp.pl?gene=EXT2
F8	Coagulation Factor VIII	Coding Protein	52	GC0XM154835	8.45	https://www.genecards.org/cgi-bin/carddisp.pl?gene=F8
TRPS1	Transcriptional Repressor GATA Binding 1	Coding Protein	51	GC08M115408	8.45	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TRPS1
SCARB2	Scavenger Receptor Class B Member 2	Coding Protein	50	GC04M076158	8.45	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SCARB2
MEFV	MEFV Innate Immunity Regulator, Pyrin	Coding Protein	50	GC16M003243	8.43	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MEFV

BMP2	Bone Morphogenetic Protein 2	Protein Coding	53	GC20P006696	8.38	https://www.genecards.org/cgi-bin/carddisp.pl?gene=BMP2
RUNX2	RUNX Family Transcription Factor 2	Protein Coding	53	GC06P045327	8.37	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RUNX2
TLR4	Toll Like Receptor 4	Protein Coding	57	GC09P117704	8.37	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TLR4
TNFRSF11A	TNF Receptor Superfamily Member 11a	Protein Coding	53	GC18P062325	8.19	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TNFRSF11A
FMOD	Fibromodulin	Protein Coding	46	GC01M203340	8.16	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FMOD
CHI3L1	Chitinase 3 Like 1	Protein Coding	49	GC01M203148	8.12	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CHI3L1
MMP2	Matrix Metalloproteinase 2	Protein Coding	60	GC16P055424	7.99	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MMP2
IL1R1	Interleukin 1 Receptor Type 1	Protein Coding	52	GC02P102136	7.94	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL1R1
HPGD	15-Hydroxyprostaglandin Dehydrogenase	Protein Coding	54	GC04M174490	7.89	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HPGD
ATP7B	ATPase Copper Transporting Beta	Protein Coding	54	GC13M051905	7.7	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ATP7B
LRP5	LDL Receptor Related Protein 5	Protein Coding	55	GC11P068330	7.69	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LRP5
TNFRSF1A	TNF Receptor Superfamily Member 1A	Protein Coding	56	GC12M006308	7.61	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TNFRSF1A
HSPA5	Heat Shock Protein Family A (Hsp70) Member 5	Protein Coding	53	GC09M125234	7.59	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HSPA5
SOST	Sclerostin	Protein Coding	49	GC17M043753	7.58	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SOST
PTH	Parathyroid Hormone	Protein Coding	53	GC11M013470	7.58	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PTH
MIR155	MicroRNA 155	RNA Gene	18	GC21P025573	7.48	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR155
CXCL12	C-X-C Motif Chemokine Ligand 12	Protein	51	GC10M044334	7.42	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CXCL12

COL10A1	Collagen Type X Alpha 1 Chain	Coding Protein	49	GC06M116118	7.38	https://www.genecards.org/cgi-bin/carddisp.pl?gene=COL10A1
CCL5	C-C Motif Chemokine Ligand 5	Coding Protein	50	GC17M035871	7.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CCL5
CCN6	Cellular Communication Network Factor 6	Coding Protein	37	GC06P112053	7.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CCN6
DCN	Decorin	Coding Protein	53	GC12M091140	7.31	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DCN
CCL3	C-C Motif Chemokine Ligand 3	Coding Protein	45	GC17M036088	7.3	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CCL3
SEMA3A	Semaphorin 3A	Coding Protein	51	GC07M083955	7.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SEMA3A
TNFRSF1B	TNF Receptor Superfamily Member 1B	Coding Protein	54	GC01P012167	7.24	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TNFRSF1B
LMX1B	LIM Homeobox Transcription Factor 1 Beta	Coding Protein	50	GC09P126614	7.19	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LMX1B
CIITA	Class II Major Histocompatibility Complex Transactivator	Coding Protein	51	GC16P010879	7.19	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CIITA
AKR1C1	Aldo-Keto Reductase Family 1 Member C1	Coding Protein	49	GC10P004963	7.19	https://www.genecards.org/cgi-bin/carddisp.pl?gene=AKR1C1
CCND1	Cyclin D1	Coding Protein	59	GC11P069641	7.15	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CCND1
CASR	Calcium Sensing Receptor	Coding Protein	57	GC03P122183	7.11	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CASR
IGFBP3	Insulin Like Growth Factor Binding Protein 3	Coding Protein	51	GC07M045912	7.08	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IGFBP3
HLA-DRB1	Major Histocompatibility Complex, Class II, DR Beta 1	Coding Protein	52	GC06M032578	6.99	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HLA-DRB1
IFNG	Interferon Gamma	Coding Protein	54	GC12M068064	6.93	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IFNG
ICAM1	Intercellular Adhesion Molecule 1	Coding Protein	57	GC19P010270	6.9	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ICAM1

LMNA	Lamin A/C	Protein Coding	53	GC01P156082	6.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LMNA
SAA1	Serum Amyloid A1	Protein Coding	48	GC11P018267	6.74	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SAA1
C4orf47	Chromosome 4 Open Reading Frame 47	Protein Coding	32	GC04P185426	6.72	https://www.genecards.org/cgi-bin/carddisp.pl?gene=C4orf47
IL4	Interleukin 4	Protein Coding	53	GC05P132673	6.71	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL4
B2M	Beta-2-Microglobulin	Protein Coding	56	GC15P044711	6.67	https://www.genecards.org/cgi-bin/carddisp.pl?gene=B2M
BMP7	Bone Morphogenetic Protein 7	Protein Coding	51	GC20M057168	6.64	https://www.genecards.org/cgi-bin/carddisp.pl?gene=BMP7
LOC109461476	GDF5 Promoter Region	Biological Region	3	GC20U901245	6.63	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LOC109461476
FGF2	Fibroblast Growth Factor 2	Protein Coding	54	GC04P122826	6.61	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FGF2
BMP6	Bone Morphogenetic Protein 6	Protein Coding	50	GC06P007726	6.59	https://www.genecards.org/cgi-bin/carddisp.pl?gene=BMP6
PADI4	Peptidyl Arginine Deiminase 4	Protein Coding	50	GC01P017308	6.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PADI4
PTGS1	Prostaglandin-Endoperoxide Synthase 1	Protein Coding	53	GC09P122370	6.49	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PTGS1
KL	Klotho	Protein Coding	51	GC13P033016	6.43	https://www.genecards.org/cgi-bin/carddisp.pl?gene=KL
CSF1	Colony Stimulating Factor 1	Protein Coding	50	GC01P109911	6.41	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CSF1
CAT	Catalase	Protein Coding	56	GC11P034460	6.41	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CAT
CALCA	Calcitonin Related Polypeptide Alpha	Protein Coding	49	GC11M014945	6.41	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CALCA
MIR181A2	MicroRNA 181a-2	RNA Gene	20	GC09P124692	6.37	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR181A2
MIR15A	MicroRNA 15a	RNA Gene	16	GC13M050049	6.37	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR15A

AIP	Aryl Hydrocarbon Receptor Interacting Protein	Protein Coding	51	GC11P067483	6.34	bin/carddisp.pl?gene=MIR15A https://www.genecards.org/cgi-bin/carddisp.pl?gene=AIP
SLC40A1	Solute Carrier Family 40 Member 1	Protein Coding	51	GC02M189560	6.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SLC40A1
ZMPSTE24	Zinc Metallopeptidase STE24	Protein Coding	49	GC01P040258	6.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ZMPSTE24
KIF7	Kinesin Family Member 7	Protein Coding	46	GC15M089608	6.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=KIF7
GPR101	G Protein-Coupled Receptor 101	Protein Coding	44	GC0XM137030	6.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GPR101
ZNF687	Zinc Finger Protein 687	Protein Coding	43	GC01P151254	6.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ZNF687
HLA-DQB1	Major Histocompatibility Complex, Class II, DQ Beta 1	Protein Coding	50	GC06M032629	6.32	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HLA-DQB1
CD44	CD44 Molecule (Indian Blood Group)	Protein Coding	54	GC11P035168	6.31	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CD44
ADAM17	ADAM Metallopeptidase Domain 17	Protein Coding	57	GC02M009580	6.3	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ADAM17
IL2	Interleukin 2	Protein Coding	52	GC04M122451	6.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL2
CCN2	Cellular Communication Network Factor 2	Protein Coding	45	GC06M131948	6.28	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CCN2
ESR1	Estrogen Receptor 1	Protein Coding	60	GC06P151656	6.26	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ESR1
VWF	Von Willebrand Factor	Protein Coding	55	GC12M005917	6.22	https://www.genecards.org/cgi-bin/carddisp.pl?gene=VWF
CD36	CD36 Molecule	Protein Coding	54	GC07P080369	6.21	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CD36
DKK1	Dickkopf WNT Signaling Pathway Inhibitor 1	Protein Coding	51	GC10P052314	6.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DKK1
JUN	Jun Proto-Oncogene, AP-1 Transcription Factor Subunit	Protein Coding	56	GC01M058780	6.14	https://www.genecards.org/cgi-bin/carddisp.pl?gene=JUN

LEP	Leptin	Protein Coding	54	GC07P128241	6.09	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LEP
CSF2	Colony Stimulating Factor 2	Protein Coding	50	GC05P132073	6.07	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CSF2
VCAM1	Vascular Cell Adhesion Molecule 1	Protein Coding	52	GC01P100719	6.05	https://www.genecards.org/cgi-bin/carddisp.pl?gene=VCAM1
IL15	Interleukin 15	Protein Coding	47	GC04P141636	6.04	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL15
TTR	Transthyretin	Protein Coding	56	GC18P031591	6.04	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TTR
HMGB1	High Mobility Group Box 1	Protein Coding	50	GC13M030456	6.02	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HMGB1
IL6R	Interleukin 6 Receptor	Protein Coding	54	GC01P154377	5.97	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL6R
MEN1	Menin 1	Protein Coding	53	GC11M064821	5.93	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MEN1
CASP3	Caspase 3	Protein Coding	57	GC04M184627	5.92	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CASP3
CA2	Carbonic Anhydrase 2	Protein Coding	57	GC08P085463	5.9	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CA2
LRCH1	Leucine Rich Repeats And Calponin Homology Domain Containing 1	Protein Coding	40	GC13P046553	5.89	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LRCH1
FGF23	Fibroblast Growth Factor 23	Protein Coding	51	GC12M004347	5.86	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FGF23
PTGES	Prostaglandin E Synthase	Protein Coding	47	GC09M129738	5.86	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PTGES
ENPP1	Ectonucleotide Pyrophosphatase/Phosphodiesterase 1	Protein Coding	53	GC06P131808	5.82	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENPP1
CXCL1	C-X-C Motif Chemokine Ligand 1	Protein Coding	49	GC04P073869	5.8	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CXCL1
IGF2	Insulin Like Growth Factor 2	Protein Coding	54	GC11M002130	5.79	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IGF2
TLR2	Toll Like Receptor 2	Protein	56	GC04P153684	5.77	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TLR2

ACE	Angiotensin I Converting Enzyme	Coding Protein	56	GC17P063477	5.74	bin/carddisp.pl?gene=TLR2 https://www.genecards.org/cgi-bin/carddisp.pl?gene=ACE
C1S	Complement C1s	Coding Protein	53	GC12P007643	5.73	https://www.genecards.org/cgi-bin/carddisp.pl?gene=C1S
MIF	Macrophage Migration Inhibitory Factor	Coding Protein	55	GC22P023894	5.71	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIF
HGF	Hepatocyte Growth Factor	Coding Protein	58	GC07M081699	5.69	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HGF
ELN	Elastin	Coding Protein	50	GC07P074027	5.69	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ELN
C1R	Complement C1r	Coding Protein	54	GC12M007098	5.66	https://www.genecards.org/cgi-bin/carddisp.pl?gene=C1R
DMP1	Dentin Matrix Acidic Phosphoprotein 1	Coding Protein	48	GC04P087650	5.66	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DMP1
PTPN11	Protein Tyrosine Phosphatase Non-Receptor Type 11	Coding Protein	58	GC12P112418	5.59	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PTPN11
MIR150	MicroRNA 150	RNA Gene	22	GC19M049500	5.59	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR150
MIR19A	MicroRNA 19a	RNA Gene	19	GC13P091411	5.59	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR19A
CXCR4	C-X-C Motif Chemokine Receptor 4	Coding Protein	59	GC02M136114	5.52	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CXCR4
IL11	Interleukin 11	Coding Protein	47	GC19M055364	5.45	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL11
NOS2	Nitric Oxide Synthase 2	Coding Protein	56	GC17M027756	5.42	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NOS2
MCF2L	MCF.2 Cell Line Derived Transforming Sequence Like	Coding Protein	46	GC13P112894	5.38	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MCF2L
IL18R1	Interleukin 18 Receptor 1	Coding Protein	49	GC02P102345	5.27	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL18R1
SLC22A4	Solute Carrier Family 22 Member 4	Coding Protein	50	GC05P132294	5.25	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SLC22A4

SDC1	Syndecan 1	Protein Coding	50	GC02M020200	5.23	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SDC1
NLRP3	NLR Family Pyrin Domain Containing 3	Protein Coding	53	GC01P247415	5.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NLRP3
CALR	Calreticulin	Protein Coding	57	GC19P012938	5.12	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CALR
FN1	Fibronectin 1	Protein Coding	56	GC02M215360	5.11	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FN1
IL23A	Interleukin 23 Subunit Alpha	Protein Coding	45	GC12P056335	5.11	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL23A
CDK4	Cyclin Dependent Kinase 4	Protein Coding	62	GC12M057743	5.08	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CDK4
BRAF	B-Raf Proto-Oncogene, Serine/Threonine Kinase	Protein Coding	61	GC07M140719	5.08	https://www.genecards.org/cgi-bin/carddisp.pl?gene=BRAF
HRAS	HRas Proto-Oncogene, GTPase	Protein Coding	59	GC11M000522	5.08	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HRAS
IDH1	Isocitrate Dehydrogenase (NADP(+)) 1, Cytosolic	Protein Coding	59	GC02M208236	5.08	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IDH1
IDH2	Isocitrate Dehydrogenase (NADP(+)) 2, Mitochondrial	Protein Coding	58	GC15M090083	5.08	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IDH2
KRAS	KRAS Proto-Oncogene, GTPase	Protein Coding	57	GC12M025204	5.08	https://www.genecards.org/cgi-bin/carddisp.pl?gene=KRAS
NRAS	NRAS Proto-Oncogene, GTPase	Protein Coding	57	GC01M114704	5.08	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NRAS
CPT2	Carnitine Palmitoyltransferase 2	Protein Coding	56	GC01P053196	5.08	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CPT2
BRCA2	BRCA2 DNA Repair Associated	Protein Coding	55	GC13P032315	5.08	https://www.genecards.org/cgi-bin/carddisp.pl?gene=BRCA2
LIG4	DNA Ligase 4	Protein Coding	54	GC13M108207	5.08	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LIG4
LYZ	Lysozyme	Protein Coding	53	GC12P069348	5.08	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LYZ
GNA11	G Protein Subunit Alpha 11	Protein	53	GC19P003094	5.08	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GNA11

LTBP2	Latent Transforming Growth Factor Beta Binding Protein 2	Coding Protein	50	GC14M074498	5.08	bin/carddisp.pl?gene=GNA11 https://www.genecards.org/cgi-bin/carddisp.pl?gene=LTBP2
CD244	CD244 Molecule	Coding Protein	48	GC01M160799	5.08	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CD244
HNRNPL	Heterogeneous Nuclear Ribonucleoprotein L	Coding Protein	45	GC19M038836	5.08	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HNRNPL
NFKBIL1	NFKB Inhibitor Like 1	Coding Protein	43	GC06P032496	5.08	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NFKBIL1
HIST2H3PS2	Histone Cluster 2 H3 Pseudogene 2	Coding Protein	26	GC01M143905	5.08	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HIST2H3PS2
MIR106B	MicroRNA 106b	RNA Gene	22	GC07M100199	5.08	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR106B
MIR132	MicroRNA 132	RNA Gene	21	GC17M002049	5.08	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR132
MIR93	MicroRNA 93	RNA Gene	21	GC07M100198	5.08	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR93
MIR25	MicroRNA 25	RNA Gene	20	GC07M100093	5.08	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR25
MIR32	MicroRNA 32	RNA Gene	20	GC09M109046	5.08	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR32
SPDT	Spondyloepiphyseal Dysplasia Tarda, Autosomal Dominant	Genetic Locus	3	GC12U902501	5.08	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SPDT
IHH	Indian Hedgehog Signaling Molecule	Coding Protein	53	GC02M219054	5.07	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IHH
ADAM10	ADAM Metallopeptidase Domain 10	Coding Protein	59	GC15M058588	5.04	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ADAM10
MGP	Matrix Gla Protein	Coding Protein	48	GC12M014881	5.01	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MGP
HSP90B1	Heat Shock Protein 90 Beta Family Member 1	Coding Protein	51	GC12P103930	4.98	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HSP90B1
CASP1	Caspase 1	Coding Protein	56	GC11M105025	4.92	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CASP1

SPHK1	Sphingosine Kinase 1	Protein Coding	53	GC17P076376	4.91	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SPHK1
SERPINE2	Serpin Family E Member 2	Protein Coding	47	GC02M223975	4.91	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SERPINE2
STAT4	Signal Transducer And Activator Of Transcription 4	Protein Coding	52	GC02M191029	4.88	https://www.genecards.org/cgi-bin/carddisp.pl?gene=STAT4
NLRP1	NLR Family Pyrin Domain Containing 1	Protein Coding	50	GC17M005499	4.88	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NLRP1
ADAM12	ADAM Metallopeptidase Domain 12	Protein Coding	52	GC10M126012	4.87	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ADAM12
CASP8	Caspase 8	Protein Coding	59	GC02P201233	4.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CASP8
VIP	Vasoactive Intestinal Peptide	Protein Coding	50	GC06P152750	4.81	https://www.genecards.org/cgi-bin/carddisp.pl?gene=VIP
CCR6	C-C Motif Chemokine Receptor 6	Protein Coding	51	GC06P167111	4.81	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CCR6
SPP1	Secreted Phosphoprotein 1	Protein Coding	52	GC04P087975	4.79	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SPP1
MIR335	MicroRNA 335	RNA Gene	18	GC07P130496	4.78	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR335
PLAU	Plasminogen Activator, Urokinase	Protein Coding	58	GC10P073909	4.76	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PLAU
MATN1	Matrilin 1	Protein Coding	45	GC01M030688	4.75	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MATN1
LTA	Lymphotoxin Alpha	Protein Coding	48	GC06P032497	4.73	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LTA
FOS	Fos Proto-Oncogene, AP-1 Transcription Factor Subunit	Protein Coding	57	GC14P075278	4.71	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FOS
HLA-DQA2	Major Histocompatibility Complex, Class II, DQ Alpha 2	Protein Coding	42	GC06P032741	4.68	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HLA-DQA2
PPARG	Peroxisome Proliferator Activated Receptor Gamma	Protein Coding	59	GC03P012328	4.67	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PPARG
CCL20	C-C Motif Chemokine Ligand 20	Protein	50	GC02P227813	4.67	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CCL20

TNFSF13B	TNF Superfamily Member 13b	Coding Protein	51	GC13P108251	4.66	bin/carddisp.pl?gene=CCL20 https://www.genecards.org/cgi-bin/carddisp.pl?gene=TNFSF13B
ITGB5	Integrin Subunit Beta 5	Coding Protein	52	GC03M124761	4.64	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ITGB5
EIF2S1	Eukaryotic Translation Initiation Factor 2 Subunit Alpha	Coding Protein	51	GC14P067359	4.64	https://www.genecards.org/cgi-bin/carddisp.pl?gene=EIF2S1
IBSP	Integrin Binding Sialoprotein	Coding Protein	43	GC04P087799	4.61	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IBSP
CDC42	Cell Division Cycle 42	Coding Protein	58	GC01P022028	4.57	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CDC42
FSTL1	Follistatin Like 1	Coding Protein	47	GC03M120392	4.57	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FSTL1
TIMP2	TIMP Metallopeptidase Inhibitor 2	Coding Protein	50	GC17M078852	4.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TIMP2
MYC	MYC Proto-Oncogene, BHLH Transcription Factor	Coding Protein	59	GC08P127735	4.5	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MYC
STAT3	Signal Transducer And Activator Of Transcription 3	Coding Protein	59	GC17M042313	4.5	https://www.genecards.org/cgi-bin/carddisp.pl?gene=STAT3
CP	Ceruloplasmin	Coding Protein	54	GC03M149162	4.5	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CP
LGALS3	Galectin 3	Coding Protein	51	GC14P055124	4.49	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LGALS3
F3	Coagulation Factor III, Tissue Factor	Coding Protein	51	GC01M094466	4.48	https://www.genecards.org/cgi-bin/carddisp.pl?gene=F3
IL2RA	Interleukin 2 Receptor Subunit Alpha	Coding Protein	57	GC10M006010	4.47	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL2RA
CTSL	Cathepsin L	Coding Protein	52	GC09P087725	4.47	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CTSL
ADAMTS14	ADAM Metallopeptidase With Thrombospondin Type 1 Motif 14	Coding Protein	43	GC10P070672	4.46	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ADAMTS14
S100A12	S100 Calcium Binding Protein A12	Coding Protein	46	GC01M153346	4.46	https://www.genecards.org/cgi-bin/carddisp.pl?gene=S100A12

AKT1	AKT Serine/Threonine Kinase 1	Protein Coding	62	GC14M104769	4.46	https://www.genecards.org/cgi-bin/carddisp.pl?gene=AKT1
HAS1	Hyaluronan Synthase 1	Protein Coding	45	GC19M051714	4.46	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HAS1
RETN	Resistin	Protein Coding	49	GC19P007669	4.44	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RETN
MMP12	Matrix Metalloproteinase 12	Protein Coding	50	GC11M102862	4.42	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MMP12
BMP4	Bone Morphogenetic Protein 4	Protein Coding	55	GC14M053949	4.42	https://www.genecards.org/cgi-bin/carddisp.pl?gene=BMP4
ANXA1	Annexin A1	Protein Coding	55	GC09P073151	4.42	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ANXA1
POMC	Proopiomelanocortin	Protein Coding	54	GC02M025160	4.42	https://www.genecards.org/cgi-bin/carddisp.pl?gene=POMC
UCHL1	Ubiquitin C-Terminal Hydrolase L1	Protein Coding	58	GC04P041174	4.4	https://www.genecards.org/cgi-bin/carddisp.pl?gene=UCHL1
GLI3	GLI Family Zinc Finger 3	Protein Coding	56	GC07M042000	4.4	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GLI3
MITF	Melanocyte Inducing Transcription Factor	Protein Coding	53	GC03P069788	4.4	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MITF
CES1	Carboxylesterase 1	Protein Coding	53	GC16M055836	4.4	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CES1
WARS	Tryptophanyl-TRNA Synthetase	Protein Coding	53	GC14M100333	4.4	https://www.genecards.org/cgi-bin/carddisp.pl?gene=WARS
GH1	Growth Hormone 1	Protein Coding	51	GC17M063917	4.4	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GH1
FBLN1	Fibulin 1	Protein Coding	50	GC22P045502	4.4	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FBLN1
IRF6	Interferon Regulatory Factor 6	Protein Coding	50	GC01M209785	4.4	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IRF6
TCIRG1	T Cell Immune Regulator 1, ATPase H+ Transporting V0 Subunit A3	Protein Coding	50	GC11P068038	4.4	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TCIRG1
FBLN2	Fibulin 2	Protein	49	GC03P013565	4.4	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FBLN2

ATP6AP1	ATPase H ⁺ Transporting Accessory Protein 1	Coding Protein	48	GC0XP154428	4.4	bin/carddisp.pl?gene=FBLN2
SLC34A1	Solute Carrier Family 34 Member 1	Coding Protein	48	GC05P177380	4.4	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ATP6AP1
SLC34A3	Solute Carrier Family 34 Member 3	Coding Protein	48	GC09P137230	4.4	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SLC34A1
PDIA4	Protein Disulfide Isomerase Family A Member 4	Coding Protein	47	GC07M149003	4.4	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SLC34A3
CLIC2	Chloride Intracellular Channel 2	Coding Protein	46	GC0XM155276	4.4	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PDIA4
TNR	Tenascin R	Coding Protein	46	GC01M175291	4.4	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CLIC2
GOLPH3	Golgi Phosphoprotein 3	Coding Protein	45	GC05M032124	4.4	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TNR
TRAPPC3	Trafficking Protein Particle Complex 3	Coding Protein	45	GC01M036136	4.4	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GOLPH3
TRAPPC9	Trafficking Protein Particle Complex 9	Coding Protein	44	GC08M139728	4.4	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TRAPPC3
ADO	2-Aminoethanethiol Dioxygenase	Coding Protein	43	GC10P062804	4.4	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TRAPPC9
GBP4	Guanylate Binding Protein 4	Coding Protein	43	GC01M089181	4.4	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ADO
MIA3	MIA SH3 Domain ER Export Factor 3	Coding Protein	42	GC01P222618	4.4	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GBP4
MIR4649	MicroRNA 4649	RNA Gene	15	GC07P044112	4.4	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIA3
LOC102723692	Uncharacterized LOC102723692	RNA Gene	5	GC16P017134	4.4	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR4649
LOC107987234	Uncharacterized LOC107987234	RNA Gene	3	GC16U902308	4.4	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LOC102723692
FGFR1	Fibroblast Growth Factor Receptor 1	Coding Protein	62	GC08M038400	4.38	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LOC107987234
						https://www.genecards.org/cgi-bin/carddisp.pl?gene=FGFR1

MAPK1	Mitogen-Activated Protein Kinase 1	Protein Coding	58	GC22M021754	4.37	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MAPK1
F2	Coagulation Factor II, Thrombin	Protein Coding	55	GC11P046740	4.37	https://www.genecards.org/cgi-bin/carddisp.pl?gene=F2
GALNS	Galactosamine (N-Acetyl)-6-Sulfatase	Protein Coding	51	GC16M088813	4.37	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GALNS
FAS	Fas Cell Surface Death Receptor	Protein Coding	56	GC10P088969	4.37	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FAS
TRAF1	TNF Receptor Associated Factor 1	Protein Coding	49	GC09M120902	4.36	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TRAF1
CD40	CD40 Molecule	Protein Coding	54	GC20P046118	4.28	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CD40
IL17RA	Interleukin 17 Receptor A	Protein Coding	51	GC22P017086	4.28	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL17RA
IL1RAPL2	Interleukin 1 Receptor Accessory Protein Like 2	Protein Coding	43	GC0XP104566	4.27	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL1RAPL2
FTO	FTO Alpha-Ketoglutarate Dependent Dioxygenase	Protein Coding	51	GC16P053737	4.27	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FTO
IL3	Interleukin 3	Protein Coding	49	GC05P132060	4.24	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL3
MIRLET7E	MicroRNA Let-7e	RNA Gene	21	GC19P051732	4.24	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIRLET7E
ALPP	Alkaline Phosphatase, Placental	Protein Coding	51	GC02P232378	4.24	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ALPP
EGF	Epidermal Growth Factor	Protein Coding	57	GC04P109912	4.21	https://www.genecards.org/cgi-bin/carddisp.pl?gene=EGF
CD38	CD38 Molecule	Protein Coding	51	GC04P015779	4.2	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CD38
UCMA	Upper Zone Of Growth Plate And Cartilage Matrix Associated	Protein Coding	36	GC10M013222	4.18	https://www.genecards.org/cgi-bin/carddisp.pl?gene=UCMA
SST	Somatostatin	Protein Coding	48	GC03M187668	4.18	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SST
CTLA4	Cytotoxic T-Lymphocyte Associated	Protein	53	GC02P203867	4.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CTLA4

	Protein 4	Coding				bin/carddisp.pl?gene=CTLA4
GGT1	Gamma-Glutamyltransferase 1	Protein Coding	54	GC22P024583	4.1	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GGT1
IRF5	Interferon Regulatory Factor 5	Protein Coding	54	GC07P128937	4.1	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IRF5
SIRT1	Sirtuin 1	Protein Coding	56	GC10P067884	4.1	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SIRT1
GRN	Granulin Precursor	Protein Coding	53	GC17P044345	4.09	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GRN
MAF	MAF BZIP Transcription Factor	Protein Coding	52	GC16M079212	4.09	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MAF
XBP1	X-Box Binding Protein 1	Protein Coding	52	GC22M028794	4.07	https://www.genecards.org/cgi-bin/carddisp.pl?gene=XBP1
CDKN2A	Cyclin Dependent Kinase Inhibitor 2A	Protein Coding	57	GC09M021957	4.04	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CDKN2A
CCR2	C-C Motif Chemokine Receptor 2	Protein Coding	51	GC03P046356	3.99	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CCR2
CXADR	CXADR Ig-Like Cell Adhesion Molecule	Protein Coding	48	GC21P017512	3.99	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CXADR
MMP8	Matrix Metalloproteinase 8	Protein Coding	53	GC11M102617	3.98	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MMP8
COL6A4P1	Collagen Type VI Alpha 4 Pseudogene 1	Pseudogene	17	GC03M015151	3.97	https://www.genecards.org/cgi-bin/carddisp.pl?gene=COL6A4P1
SLC17A5	Solute Carrier Family 17 Member 5	Protein Coding	50	GC06M073593	3.97	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SLC17A5
NAMPT	Nicotinamide Phosphoribosyltransferase	Protein Coding	54	GC07M106248	3.96	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NAMPT
GPT	Glutamic--Pyruvic Transaminase	Protein Coding	48	GC08P144502	3.95	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GPT
HLA-DQA1	Major Histocompatibility Complex, Class II, DQ Alpha 1	Protein Coding	48	GC06P032807	3.9	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HLA-DQA1
FOXP3	Forkhead Box P3	Protein Coding	53	GC0XM049250	3.83	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FOXP3

BCL2L11	BCL2 Like 11	Protein Coding	51	GC02P111119	3.83	https://www.genecards.org/cgi-bin/carddisp.pl?gene=BCL2L11
FOLR2	Folate Receptor Beta	Protein Coding	48	GC11P072216	3.83	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FOLR2
DSPP	Dentin Sialophosphoprotein	Protein Coding	43	GC04P087608	3.83	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DSPP
PVT1	Pvt1 Oncogene	RNA Gene	26	GC08P127808	3.83	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PVT1
ZFAS1	ZNFX1 Antisense RNA 1	RNA Gene	20	GC20P049333	3.83	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ZFAS1
SOD1	Superoxide Dismutase 1	Protein Coding	59	GC21P031659	3.82	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SOD1
BCL2	BCL2 Apoptosis Regulator	Protein Coding	59	GC18M063123	3.81	https://www.genecards.org/cgi-bin/carddisp.pl?gene=BCL2
HIF1A	Hypoxia Inducible Factor 1 Subunit Alpha	Protein Coding	54	GC14P061695	3.8	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HIF1A
CD28	CD28 Molecule	Protein Coding	53	GC02P203706	3.76	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CD28
CHIT1	Chitinase 1	Protein Coding	50	GC01M203181	3.76	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CHIT1
MALAT1	Metastasis Associated Lung Adenocarcinoma Transcript 1	RNA Gene	24	GC11P065497	3.76	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MALAT1
HAPLN1	Hyaluronan And Proteoglycan Link Protein 1	Protein Coding	48	GC05M083637	3.68	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HAPLN1
UQCC1	Ubiquinol-Cytochrome C Reductase Complex Assembly Factor 1	Protein Coding	37	GC20M035302	3.65	https://www.genecards.org/cgi-bin/carddisp.pl?gene=UQCC1
FLT1	Fms Related Tyrosine Kinase 1	Protein Coding	57	GC13M028300	3.64	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FLT1
ESR2	Estrogen Receptor 2	Protein Coding	56	GC14M064084	3.64	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ESR2
F2RL1	F2R Like Trypsin Receptor 1	Protein Coding	52	GC05P076818	3.64	https://www.genecards.org/cgi-bin/carddisp.pl?gene=F2RL1
CXCL6	C-X-C Motif Chemokine Ligand 6	Protein	46	GC04P073837	3.61	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CXCL6

SELE	Selectin E	Coding Protein	50	GC01M169722	3.6	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SELE
F10	Coagulation Factor X	Coding Protein	55	GC13P113122	3.59	https://www.genecards.org/cgi-bin/carddisp.pl?gene=F10
NOD2	Nucleotide Binding Oligomerization Domain Containing 2	Coding Protein	54	GC16P050693	3.59	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NOD2
PKLR	Pyruvate Kinase L/R	Coding Protein	54	GC01M155289	3.59	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PKLR
F7	Coagulation Factor VII	Coding Protein	53	GC13P113105	3.59	https://www.genecards.org/cgi-bin/carddisp.pl?gene=F7
HPD	4-Hydroxyphenylpyruvate Dioxygenase	Coding Protein	52	GC12M121839	3.59	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HPD
SLC26A3	Solute Carrier Family 26 Member 3	Coding Protein	52	GC07M107765	3.59	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SLC26A3
PSAP	Prosaposin	Coding Protein	52	GC10M071816	3.59	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PSAP
F11	Coagulation Factor XI	Coding Protein	51	GC04P186265	3.59	https://www.genecards.org/cgi-bin/carddisp.pl?gene=F11
PSTPIP1	Proline-Serine-Threonine Phosphatase Interacting Protein 1	Coding Protein	51	GC15P076993	3.59	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PSTPIP1
TBL1XR1	Transducin Beta Like 1 X-Linked Receptor 1	Coding Protein	51	GC03M177019	3.59	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TBL1XR1
SLC26A4	Solute Carrier Family 26 Member 4	Coding Protein	49	GC07P107660	3.59	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SLC26A4
SLC26A5	Solute Carrier Family 26 Member 5	Coding Protein	48	GC07M103352	3.59	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SLC26A5
UGCG	UDP-Glucose Ceramide Glucosyltransferase	Coding Protein	48	GC09P111896	3.59	https://www.genecards.org/cgi-bin/carddisp.pl?gene=UGCG
SLC26A8	Solute Carrier Family 26 Member 8	Coding Protein	47	GC06M039785	3.59	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SLC26A8
THBS3	Thrombospondin 3	Coding Protein	47	GC01M155165	3.59	https://www.genecards.org/cgi-bin/carddisp.pl?gene=THBS3

EIF3H	Eukaryotic Translation Initiation Factor 3 Subunit H	Protein Coding	46	GC08M116642	3.59	https://www.genecards.org/cgi-bin/carddisp.pl?gene=EIF3H
LZTS1	Leucine Zipper Tumor Suppressor 1	Protein Coding	45	GC08M020246	3.59	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LZTS1
MRAP	Melanocortin 2 Receptor Accessory Protein	Protein Coding	43	GC21P032291	3.59	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MRAP
SKA1	Spindle And Kinetochores Associated Complex Subunit 1	Protein Coding	43	GC18P050374	3.59	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SKA1
FCRL3	Fc Receptor Like 3	Protein Coding	42	GC01M157674	3.59	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FCRL3
LACC1	Laccase Domain Containing 1	Protein Coding	40	GC13P043879	3.59	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LACC1
RHNO1	RAD9-HUS1-RAD1 Interacting Nuclear Orphan 1	Protein Coding	36	GC12P002876	3.59	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RHNO1
UCA1	Urothelial Cancer Associated 1	RNA Gene	23	GC19P015828	3.59	https://www.genecards.org/cgi-bin/carddisp.pl?gene=UCA1
GNL3	G Protein Nucleolar 3	Protein Coding	45	GC03P052681	3.59	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GNL3
DOT1L	DOT1 Like Histone Lysine Methyltransferase	Protein Coding	51	GC19P002164	3.56	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DOT1L
SMO	Smoothed, Frizzled Class Receptor	Protein Coding	55	GC07P129194	3.56	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SMO
PTH1H	Parathyroid Hormone Like Hormone	Protein Coding	52	GC12M027959	3.56	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PTH1H
ANXA5	Annexin A5	Protein Coding	52	GC04M121667	3.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ANXA5
MAPK8	Mitogen-Activated Protein Kinase 8	Protein Coding	56	GC10P048306	3.53	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MAPK8
OSM	Oncostatin M	Protein Coding	49	GC22M030262	3.52	https://www.genecards.org/cgi-bin/carddisp.pl?gene=OSM
CD163	CD163 Molecule	Protein Coding	49	GC12M007518	3.52	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CD163
PRL	Prolactin	Protein	49	GC06M022230	3.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PRL

		Coding				bin/carddisp.pl?gene=PRL
MIR140	MicroRNA 140	RNA Gene	21	GC16P069934	3.48	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR140
ITGA4	Integrin Subunit Alpha 4	Protein Coding	54	GC02P181456	3.47	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ITGA4
CCN1	Cellular Communication Network Factor 1	Protein Coding	37	GC01P085581	3.46	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CCN1
NFKB1	Nuclear Factor Kappa B Subunit 1	Protein Coding	59	GC04P102501	3.45	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NFKB1
OS4	Osteoarthritis, Generalized, Without Dysplasia, Susceptibility To	Genetic Locus	4	GC02U903030	3.45	https://www.genecards.org/cgi-bin/carddisp.pl?gene=OS4
OS6	Osteoarthritis Susceptibility 6	Genetic Locus	3	GC03U901212	3.45	https://www.genecards.org/cgi-bin/carddisp.pl?gene=OS6
CTSB	Cathepsin B	Protein Coding	57	GC08M011842	3.43	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CTSB
ANGPT1	Angiopoietin 1	Protein Coding	51	GC08M107246	3.42	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ANGPT1
CSF3	Colony Stimulating Factor 3	Protein Coding	46	GC17P040015	3.42	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CSF3
ITGB2	Integrin Subunit Beta 2	Protein Coding	57	GC21M044885	3.4	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ITGB2
CXCL5	C-X-C Motif Chemokine Ligand 5	Protein Coding	46	GC04M073995	3.4	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CXCL5
HLA-DPB1	Major Histocompatibility Complex, Class II, DP Beta 1	Protein Coding	49	GC06P033043	3.39	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HLA-DPB1
CRBN	Cereblon	Protein Coding	49	GC03M003166	3.39	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CRBN
MAEA	Macrophage Erythroblast Attacher	Protein Coding	43	GC04P001289	3.39	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MAEA
NSD2	Nuclear Receptor Binding SET Domain Protein 2	Protein Coding	40	GC04P001872	3.39	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NSD2
CCDC54	Coiled-Coil Domain Containing 54	Protein Coding	35	GC03P107377	3.39	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CCDC54

IL7	Interleukin 7	Protein Coding	46	GC08M078689	3.37	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL7
TGFA	Transforming Growth Factor Alpha	Protein Coding	53	GC02M070410	3.37	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TGFA
TNFRSF10A	TNF Receptor Superfamily Member 10a	Protein Coding	51	GC08M023190	3.36	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TNFRSF10A
LOC101928222	Uncharacterized LOC101928222	RNA Gene	7	GC02P019990	3.32	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LOC101928222
INS	Insulin	Protein Coding	54	GC11M002159	3.32	https://www.genecards.org/cgi-bin/carddisp.pl?gene=INS
GHRHR	Growth Hormone Releasing Hormone Receptor	Protein Coding	48	GC07P030978	3.32	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GHRHR
NOG	Noggin	Protein Coding	52	GC17P056593	3.3	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NOG
SPARC	Secreted Protein Acidic And Cysteine Rich	Protein Coding	57	GC05M151639	3.26	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SPARC
CSF1R	Colony Stimulating Factor 1 Receptor	Protein Coding	59	GC05M150053	3.26	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CSF1R
BCL2L1	BCL2 Like 1	Protein Coding	54	GC20M031664	3.22	https://www.genecards.org/cgi-bin/carddisp.pl?gene=BCL2L1
EPAS1	Endothelial PAS Domain Protein 1	Protein Coding	54	GC02P046293	3.21	https://www.genecards.org/cgi-bin/carddisp.pl?gene=EPAS1
IL37	Interleukin 37	Protein Coding	43	GC02P114219	3.19	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL37
CASP9	Caspase 9	Protein Coding	54	GC01M015565	3.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CASP9
COG5	Component Of Oligomeric Golgi Complex 5	Protein Coding	45	GC07M107201	3.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=COG5
ALOX5	Arachidonate 5-Lipoxygenase	Protein Coding	54	GC10P045338	3.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ALOX5
COX5A	Cytochrome C Oxidase Subunit 5A	Protein Coding	50	GC15M074919	3.16	https://www.genecards.org/cgi-bin/carddisp.pl?gene=COX5A
PLAUR	Plasminogen Activator, Urokinase	Protein	51	GC19M043646	3.14	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PLAUR

AGER	Receptor Advanced Glycosylation End-Product Specific Receptor	Coding Protein Coding	50	GC06M032180	3.14	bin/carddisp.pl?gene=PLAUR https://www.genecards.org/cgi-bin/carddisp.pl?gene=AGER
GLT8D1	Glycosyltransferase 8 Domain Containing 1	Protein Coding	41	GC03M052704	3.14	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GLT8D1
TNC	Tenascin C	Protein Coding	53	GC09M115019	3.12	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TNC
JAK2	Janus Kinase 2	Protein Coding	60	GC09P004985	3.12	https://www.genecards.org/cgi-bin/carddisp.pl?gene=JAK2
SERPINC1	Serpin Family C Member 1	Protein Coding	54	GC01M174079	3.12	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SERPINC1
ITGAL	Integrin Subunit Alpha L	Protein Coding	52	GC16P030483	3.12	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ITGAL
TNFSF13	TNF Superfamily Member 13	Protein Coding	50	GC17P007558	3.12	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TNFSF13
GHRL	Ghrelin And Obestatin Prepropeptide	Protein Coding	48	GC03M010285	3.12	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GHRL
SAA4	Serum Amyloid A4, Constitutive	Protein Coding	44	GC11M018234	3.12	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SAA4
SOD2	Superoxide Dismutase 2	Protein Coding	57	GC06M159669	3.1	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SOD2
NCOA3	Nuclear Receptor Coactivator 3	Protein Coding	53	GC20P047501	3.08	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NCOA3
BTNL2	Butyrophilin Like 2	Protein Coding	45	GC06M032359	3.08	https://www.genecards.org/cgi-bin/carddisp.pl?gene=BTNL2
CALM1	Calmodulin 1	Protein Coding	49	GC14P090396	3.08	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CALM1
IL13	Interleukin 13	Protein Coding	50	GC05P132656	3.06	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL13
ABCB1	ATP Binding Cassette Subfamily B Member 1	Protein Coding	57	GC07M087504	3.05	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ABCB1
PTPRC	Protein Tyrosine Phosphatase Receptor Type C	Protein Coding	57	GC01P198607	3.05	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PTPRC

TEK	TEK Receptor Tyrosine Kinase	Protein Coding	57	GC09P027109	3.05	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TEK
AGTR1	Angiotensin II Receptor Type 1	Protein Coding	56	GC03P148697	3.05	https://www.genecards.org/cgi-bin/carddisp.pl?gene=AGTR1
XIAP	X-Linked Inhibitor Of Apoptosis	Protein Coding	54	GC0XP123859	3.05	https://www.genecards.org/cgi-bin/carddisp.pl?gene=XIAP
SERPINH1	Serpin Family H Member 1	Protein Coding	52	GC11P075562	3.05	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SERPINH1
TNFRSF17	TNF Receptor Superfamily Member 17	Protein Coding	50	GC16P012058	3.05	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TNFRSF17
IGFBP1	Insulin Like Growth Factor Binding Protein 1	Protein Coding	49	GC07P046383	3.05	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IGFBP1
CD80	CD80 Molecule	Protein Coding	48	GC03M119524	3.05	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CD80
CDKN3	Cyclin Dependent Kinase Inhibitor 3	Protein Coding	47	GC14P054398	3.05	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CDKN3
OLAH	Oleoyl-ACP Hydrolase	Protein Coding	41	GC10P015074	3.05	https://www.genecards.org/cgi-bin/carddisp.pl?gene=OLAH
SUPT3H	SPT3 Homolog, SAGA And STAGA Complex Component	Protein Coding	45	GC06M044807	3.02	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SUPT3H
ENG	Endoglin	Protein Coding	53	GC09M127815	3.01	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENG
SERPINE1	Serpin Family E Member 1	Protein Coding	57	GC07P101127	2.97	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SERPINE1
RELA	RELA Proto-Oncogene, NF-KB Subunit	Protein Coding	56	GC11M065671	2.97	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RELA
TIMP3	TIMP Metallopeptidase Inhibitor 3	Protein Coding	51	GC22P032800	2.96	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TIMP3
FASLG	Fas Ligand	Protein Coding	54	GC01P172628	2.94	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FASLG
DIO2	Iodothyronine Deiodinase 2	Protein Coding	45	GC14M080197	2.94	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DIO2
LEPR	Leptin Receptor	Protein	55	GC01P065421	2.92	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LEPR

S100A9	S100 Calcium Binding Protein A9	Coding Protein	50	GC01P153357	2.89	bin/carddisp.pl?gene=LEPR https://www.genecards.org/cgi-bin/carddisp.pl?gene=S100A9
STAT5B	Signal Transducer And Activator Of Transcription 5B	Coding Protein	56	GC17M042199	2.88	https://www.genecards.org/cgi-bin/carddisp.pl?gene=STAT5B
HSP90AA1	Heat Shock Protein 90 Alpha Family Class A Member 1	Coding Protein	54	GC14M102080	2.88	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HSP90AA1
HSPG2	Heparan Sulfate Proteoglycan 2	Coding Protein	53	GC01M021822	2.88	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HSPG2
F5	Coagulation Factor V	Coding Protein	52	GC01M169481	2.88	https://www.genecards.org/cgi-bin/carddisp.pl?gene=F5
SFRP4	Secreted Frizzled Related Protein 4	Coding Protein	50	GC07M037912	2.88	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SFRP4
CD34	CD34 Molecule	Coding Protein	50	GC01M207880	2.88	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CD34
EPO	Erythropoietin	Coding Protein	48	GC07P100720	2.88	https://www.genecards.org/cgi-bin/carddisp.pl?gene=EPO
OPRM1	Opioid Receptor Mu 1	Coding Protein	56	GC06P153921	2.87	https://www.genecards.org/cgi-bin/carddisp.pl?gene=OPRM1
MAPK14	Mitogen-Activated Protein Kinase 14	Coding Protein	59	GC06P043143	2.87	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MAPK14
IL4R	Interleukin 4 Receptor	Coding Protein	54	GC16P027325	2.87	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL4R
TRPV1	Transient Receptor Potential Cation Channel Subfamily V Member 1	Coding Protein	53	GC17M003565	2.86	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TRPV1
BAX	BCL2 Associated X, Apoptosis Regulator	Coding Protein	54	GC19P048954	2.84	https://www.genecards.org/cgi-bin/carddisp.pl?gene=BAX
ALDH1A2	Aldehyde Dehydrogenase 1 Family Member A2	Coding Protein	53	GC15M058444	2.84	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ALDH1A2
HTRA1	HtrA Serine Peptidase 1	Coding Protein	50	GC10P122461	2.83	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HTRA1
S100A8	S100 Calcium Binding Protein A8	Coding Protein	48	GC01M153391	2.79	https://www.genecards.org/cgi-bin/carddisp.pl?gene=S100A8

ADAMTSL1	ADAMTS Like 1	Protein Coding	48	GC09P017906	2.79	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ADAMTSL1
KIT	KIT Proto-Oncogene, Receptor Tyrosine Kinase	Protein Coding	59	GC04P054657	2.78	https://www.genecards.org/cgi-bin/carddisp.pl?gene=KIT
ADA	Adenosine Deaminase	Protein Coding	57	GC20M044620	2.78	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ADA
PRTN3	Proteinase 3	Protein Coding	51	GC19P000840	2.78	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PRTN3
ARL13B	ADP Ribosylation Factor Like GTPase 13B	Protein Coding	43	GC03P093980	2.78	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ARL13B
PLA2G4A	Phospholipase A2 Group IVA	Protein Coding	54	GC01P186798	2.77	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PLA2G4A
RHOB	Ras Homolog Family Member B	Protein Coding	48	GC02P020447	2.76	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RHOB
VIM	Vimentin	Protein Coding	56	GC10P017227	2.75	https://www.genecards.org/cgi-bin/carddisp.pl?gene=VIM
CRH	Corticotropin Releasing Hormone	Protein Coding	49	GC08M066208	2.75	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CRH
MIR26A1	MicroRNA 26a-1	RNA Gene	21	GC03P037969	2.73	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR26A1
LIF	LIF Interleukin 6 Family Cytokine	Protein Coding	49	GC22M030240	2.72	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LIF
IFRD1	Interferon Related Developmental Regulator 1	Protein Coding	46	GC07P112422	2.72	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IFRD1
ELANE	Elastase, Neutrophil Expressed	Protein Coding	54	GC19P000854	2.71	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ELANE
FGFR2	Fibroblast Growth Factor Receptor 2	Protein Coding	61	GC10M121401	2.71	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FGFR2
CD40LG	CD40 Ligand	Protein Coding	54	GC0XP136649	2.71	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CD40LG
LMNB1	Lamin B1	Protein Coding	53	GC05P126776	2.71	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LMNB1
WRN	WRN RecQ Like Helicase	Protein	53	GC08P031010	2.71	https://www.genecards.org/cgi-bin/carddisp.pl?gene=WRN

IL6ST	Interleukin 6 Signal Transducer	Coding Protein	51	GC05M055935	2.71	bin/carddisp.pl?gene=WRN https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL6ST
AMD1	Adenosylmethionine Decarboxylase 1	Coding Protein	51	GC06P110814	2.71	https://www.genecards.org/cgi-bin/carddisp.pl?gene=AMD1
ESD	Esterase D	Coding Protein	50	GC13M046771	2.71	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ESD
NPPC	Natriuretic Peptide C	Coding Protein	47	GC02M231921	2.71	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NPPC
CHIA	Chitinase Acidic	Coding Protein	46	GC01P111291	2.71	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CHIA
FLG	Filaggrin	Coding Protein	46	GC01M152274	2.71	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FLG
IFNA1	Interferon Alpha 1	Coding Protein	45	GC09P021461	2.71	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IFNA1
HLA-DRB5	Major Histocompatibility Complex, Class II, DR Beta 5	Coding Protein	44	GC06M032519	2.71	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HLA-DRB5
CASC3	CASC3 Exon Junction Complex Subunit	Coding Protein	42	GC17P040140	2.71	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CASC3
TRAPPC2B	Trafficking Protein Particle Complex 2B	Coding Protein	21	GC19P057364	2.71	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TRAPPC2B
CCR5	C-C Motif Chemokine Receptor 5 (Gene/Pseudogene)	Coding Protein	53	GC03P046389	2.69	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CCR5
CCN4	Cellular Communication Network Factor 4	Coding Protein	36	GC08P133192	2.68	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CCN4
LTBP1	Latent Transforming Growth Factor Beta Binding Protein 1	Coding Protein	50	GC02P032946	2.67	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LTBP1
BDKRB2	Bradykinin Receptor B2	Coding Protein	51	GC14P096205	2.67	https://www.genecards.org/cgi-bin/carddisp.pl?gene=BDKRB2
PBRM1	Polybromo 1	Coding Protein	50	GC03M052579	2.66	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PBRM1
CDC5L	Cell Division Cycle 5 Like	Coding Protein	44	GC06P044387	2.66	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CDC5L

CCL4	C-C Motif Chemokine Ligand 4	Protein Coding	47	GC17P036103	2.66	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CCL4
NME8	NME/NM23 Family Member 8	Protein Coding	45	GC07P037889	2.65	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NME8
GSR	Glutathione-Disulfide Reductase	Protein Coding	54	GC08M030655	2.63	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GSR
PON1	Paraoxonase 1	Protein Coding	53	GC07M095297	2.58	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PON1
HDAC4	Histone Deacetylase 4	Protein Coding	57	GC02M239048	2.57	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HDAC4
TGM2	Transglutaminase 2	Protein Coding	54	GC20M038127	2.56	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TGM2
PRKAR1A	Protein Kinase CAMP-Dependent Type I Regulatory Subunit Alpha	Protein Coding	58	GC17P068414	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PRKAR1A
HDAC6	Histone Deacetylase 6	Protein Coding	58	GC0XP048801	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HDAC6
GRM1	Glutamate Metabotropic Receptor 1	Protein Coding	57	GC06P145973	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GRM1
MME	Membrane Metalloendopeptidase	Protein Coding	57	GC03P155024	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MME
ACVR1	Activin A Receptor Type 1	Protein Coding	57	GC02M157736	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ACVR1
CD19	CD19 Molecule	Protein Coding	56	GC16P028943	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CD19
CBS	Cystathionine-Beta-Synthase	Protein Coding	56	GC21M043053	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CBS
DBH	Dopamine Beta-Hydroxylase	Protein Coding	56	GC09P133636	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DBH
PRKDC	Protein Kinase, DNA-Activated, Catalytic Subunit	Protein Coding	56	GC08M047773	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PRKDC
SNCA	Synuclein Alpha	Protein Coding	56	GC04M089724	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SNCA
ROCK1	Rho Associated Coiled-Coil Containing	Protein	56	GC18M020946	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ROCK1

	Protein Kinase 1	Coding				bin/carddisp.pl?gene=ROCK1
CCND2	Cyclin D2	Protein Coding	56	GC12P006034	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CCND2
DRD2	Dopamine Receptor D2	Protein Coding	56	GC11M113314	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DRD2
MVK	Mevalonate Kinase	Protein Coding	55	GC12P109573	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MVK
ASS1	Argininosuccinate Synthase 1	Protein Coding	55	GC09P130444	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ASS1
MCL1	MCL1 Apoptosis Regulator, BCL2 Family Member	Protein Coding	54	GC01M150596	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MCL1
CCND3	Cyclin D3	Protein Coding	54	GC06M041934	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CCND3
AK1	Adenylate Kinase 1	Protein Coding	54	GC09M127866	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=AK1
TFRC	Transferrin Receptor	Protein Coding	54	GC03M196027	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TFRC
GHSR	Growth Hormone Secretagogue Receptor	Protein Coding	53	GC03M172443	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GHSR
HLA-DRA	Major Histocompatibility Complex, Class II, DR Alpha	Protein Coding	53	GC06P032439	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HLA-DRA
IKZF1	IKAROS Family Zinc Finger 1	Protein Coding	53	GC07P050343	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IKZF1
FAH	Fumarylacetoacetate Hydrolase	Protein Coding	53	GC15P080152	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FAH
ATP7A	ATPase Copper Transporting Alpha	Protein Coding	53	GC0XP077918	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ATP7A
ARSA	Arylsulfatase A	Protein Coding	53	GC22M050622	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ARSA
ADAMTS13	ADAM Metallopeptidase With Thrombospondin Type 1 Motif 13	Protein Coding	53	GC09P133414	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ADAMTS13
SSTR2	Somatostatin Receptor 2	Protein Coding	53	GC17P073165	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SSTR2

PAX2	Paired Box 2	Protein Coding	53	GC10P100735	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PAX2
SLC11A1	Solute Carrier Family 11 Member 1	Protein Coding	53	GC02P218382	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SLC11A1
REL	REL Proto-Oncogene, NF-KB Subunit	Protein Coding	53	GC02P060881	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=REL
TRAF3	TNF Receptor Associated Factor 3	Protein Coding	53	GC14P103758	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TRAF3
NCAM1	Neural Cell Adhesion Molecule 1	Protein Coding	52	GC11P112961	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NCAM1
SLC9A3R1	SLC9A3 Regulator 1	Protein Coding	52	GC17P074749	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SLC9A3R1
NR4A2	Nuclear Receptor Subfamily 4 Group A Member 2	Protein Coding	52	GC02M156324	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NR4A2
HEXA	Hexosaminidase Subunit Alpha	Protein Coding	51	GC15M072340	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HEXA
CD27	CD27 Molecule	Protein Coding	51	GC12P006425	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CD27
FGF3	Fibroblast Growth Factor 3	Protein Coding	51	GC11M069811	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FGF3
CKM	Creatine Kinase, M-Type	Protein Coding	51	GC19M045306	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CKM
PRDM1	PR/SET Domain 1	Protein Coding	51	GC06P106086	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PRDM1
PIM2	Pim-2 Proto-Oncogene, Serine/Threonine Kinase	Protein Coding	51	GC0XM048913	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PIM2
RAN	RAN, Member RAS Oncogene Family	Protein Coding	51	GC12P130871	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RAN
PSMB5	Proteasome Subunit Beta 5	Protein Coding	51	GC14M023016	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PSMB5
TUBB4A	Tubulin Beta 4A Class IVa	Protein Coding	51	GC19M006496	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TUBB4A
TRPM6	Transient Receptor Potential Cation	Protein	51	GC09M074725	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TRPM6

	Channel Subfamily M Member 6	Coding				bin/carddisp.pl?gene=TRPM6
TFR2	Transferrin Receptor 2	Protein Coding	51	GC07M100620	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TFR2
LMNB2	Lamin B2	Protein Coding	50	GC19M002428	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LMNB2
GSTO1	Glutathione S-Transferase Omega 1	Protein Coding	50	GC10P104235	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GSTO1
H2AFX	H2A Histone Family Member X	Protein Coding	50	GC11M119095	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=H2AFX
HIBCH	3-Hydroxyisobutyryl-CoA Hydrolase	Protein Coding	50	GC02M190189	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HIBCH
MAFB	MAF BZIP Transcription Factor B	Protein Coding	50	GC20M040685	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MAFB
CD2	CD2 Molecule	Protein Coding	50	GC01P116754	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CD2
COL4A4	Collagen Type IV Alpha 4 Chain	Protein Coding	50	GC02M226967	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=COL4A4
ANK3	Ankyrin 3	Protein Coding	50	GC10M060026	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ANK3
PRPS1	Phosphoribosyl Pyrophosphate Synthetase 1	Protein Coding	50	GC0XP107628	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PRPS1
RFC1	Replication Factor C Subunit 1	Protein Coding	50	GC04M039291	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RFC1
SLC31A1	Solute Carrier Family 31 Member 1	Protein Coding	50	GC09P113221	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SLC31A1
PANK2	Pantothenate Kinase 2	Protein Coding	50	GC20P003887	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PANK2
IRF4	Interferon Regulatory Factor 4	Protein Coding	50	GC06P000391	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IRF4
CD2AP	CD2 Associated Protein	Protein Coding	50	GC06P047445	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CD2AP
CD86	CD86 Molecule	Protein Coding	50	GC03P122055	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CD86

TAPBP	TAP Binding Protein	Protein Coding	50	GC06M033299	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TAPBP
HAMP	Hepcidin Antimicrobial Peptide	Protein Coding	49	GC19P037177	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HAMP
CARTPT	CART Prepropeptide	Protein Coding	49	GC05P071719	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CARTPT
CLCN5	Chloride Voltage-Gated Channel 5	Protein Coding	49	GC0XP049922	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CLCN5
SSTR1	Somatostatin Receptor 1	Protein Coding	49	GC14P038207	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SSTR1
IKZF3	IKAROS Family Zinc Finger 3	Protein Coding	48	GC17M039759	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IKZF3
MICB	MHC Class I Polypeptide-Related Sequence B	Protein Coding	48	GC06P032494	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MICB
GNRH1	Gonadotropin Releasing Hormone 1	Protein Coding	48	GC08M025419	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GNRH1
FBN2	Fibrillin 2	Protein Coding	48	GC05M128257	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FBN2
CLDN16	Claudin 16	Protein Coding	48	GC03P190322	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CLDN16
COMMD1	Copper Metabolism Domain Containing 1	Protein Coding	48	GC02P061871	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=COMMD1
SLAMF7	SLAM Family Member 7	Protein Coding	48	GC01P160709	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SLAMF7
UBA7	Ubiquitin Like Modifier Activating Enzyme 7	Protein Coding	48	GC03M049805	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=UBA7
TRH	Thyrotropin Releasing Hormone	Protein Coding	48	GC03P129974	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TRH
GSTZ1	Glutathione S-Transferase Zeta 1	Protein Coding	47	GC14P077320	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GSTZ1
GCM2	Glial Cells Missing Transcription Factor 2	Protein Coding	47	GC06M010873	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GCM2
GBA2	Glucosylceramidase Beta 2	Protein	47	GC09M035726	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GBA2

CKS1B	CDC28 Protein Kinase Regulatory Subunit 1B	Coding Protein	47	GC01P154974	2.54	bin/carddisp.pl?gene=GBA2 https://www.genecards.org/cgi-bin/carddisp.pl?gene=CKS1B
NPHS2	NPHS2 Stomatin Family Member, Podocin	Coding Protein	47	GC01M179519	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NPHS2
SSTR5	Somatostatin Receptor 5	Coding Protein	47	GC16P001072	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SSTR5
PI4K2A	Phosphatidylinositol 4-Kinase Type 2 Alpha	Coding Protein	47	GC10P097640	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PI4K2A
TWIST2	Twist Family BHLH Transcription Factor 2	Coding Protein	47	GC02P238848	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TWIST2
GHRH	Growth Hormone Releasing Hormone	Coding Protein	46	GC20M037251	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GHRH
HLA-DMA	Major Histocompatibility Complex, Class II, DM Alpha	Coding Protein	46	GC06M032933	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HLA-DMA
HLA-DMB	Major Histocompatibility Complex, Class II, DM Beta	Coding Protein	46	GC06M032903	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HLA-DMB
KLRK1	Killer Cell Lectin Like Receptor K1	Coding Protein	46	GC12M012632	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=KLRK1
LOXL3	Lysyl Oxidase Like 3	Coding Protein	46	GC02M074532	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LOXL3
GCKR	Glucokinase Regulator	Coding Protein	46	GC02P027461	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GCKR
ALX4	ALX Homeobox 4	Coding Protein	46	GC11M044238	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ALX4
ATOX1	Antioxidant 1 Copper Chaperone	Coding Protein	46	GC05M151743	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ATOX1
DIS3	DIS3 Homolog, Exosome Endoribonuclease And 3'-5' Exoribonuclease	Coding Protein	46	GC13M072752	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DIS3
KRT86	Keratin 86	Coding Protein	45	GC12P052249	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=KRT86
NAT10	N-Acetyltransferase 10	Protein	45	GC11P034084	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NAT10

ICOSLG	Inducible T Cell Costimulator Ligand	Coding Protein	45	GC21M044222	2.54	bin/carddisp.pl?gene=NAT10 https://www.genecards.org/cgi-bin/carddisp.pl?gene=ICOSLG
MICA	MHC Class I Polypeptide-Related Sequence A	Coding Protein	45	GC06P031399	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MICA
CCRL2	C-C Motif Chemokine Receptor Like 2	Coding Protein	45	GC03P046448	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CCRL2
BST2	Bone Marrow Stromal Cell Antigen 2	Coding Protein	45	GC19M017403	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=BST2
ALX1	ALX Homeobox 1	Coding Protein	45	GC12P085279	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ALX1
PMAIP1	Phorbol-12-Myristate-13-Acetate-Induced Protein 1	Coding Protein	45	GC18P059899	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PMAIP1
SLC26A1	Solute Carrier Family 26 Member 1	Coding Protein	45	GC04M000962	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SLC26A1
PDLIM5	PDZ And LIM Domain 5	Coding Protein	45	GC04P094451	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PDLIM5
MTX1	Metaxin 1	Coding Protein	44	GC01P155208	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MTX1
CARD8	Caspase Recruitment Domain Family Member 8	Coding Protein	44	GC19M048181	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CARD8
PRKN	Parkin RBR E3 Ubiquitin Protein Ligase	Coding Protein	44	GC06M161348	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PRKN
MYOM2	Myomesin 2	Coding Protein	44	GC08P002045	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MYOM2
ZNF354A	Zinc Finger Protein 354A	Coding Protein	44	GC05M178711	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ZNF354A
LIN54	Lin-54 DREAM MuvB Core Complex Component	Coding Protein	43	GC04M082909	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LIN54
DAZAP2	DAZ Associated Protein 2	Coding Protein	43	GC12P051238	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DAZAP2
SPECC1L	Sperm Antigen With Calponin Homology And Coiled-Coil Domains 1	Coding Protein	43	GC22P024430	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SPECC1L

	Like					
NT5C1B	5'-Nucleotidase, Cytosolic IB	Protein Coding	43	GC02M018562	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NT5C1B
TAGAP	T Cell Activation RhoGTPase Activating Protein	Protein Coding	43	GC06M159034	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TAGAP
MBD6	Methyl-CpG Binding Domain Protein 6	Protein Coding	42	GC12P057520	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MBD6
OTULIN	OTU Deubiquitinase With Linear Linkage Specificity	Protein Coding	42	GC05P014667	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=OTULIN
ZSWIM6	Zinc Finger SWIM-Type Containing 6	Protein Coding	42	GC05P061332	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ZSWIM6
GBA3	Glucosylceramidase Beta 3 (Gene/Pseudogene)	Protein Coding	41	GC04P022694	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GBA3
SAA2	Serum Amyloid A2	Protein Coding	41	GC11M018238	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SAA2
DNAH8	Dynein Axonemal Heavy Chain 8	Protein Coding	41	GC06P043204	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DNAH8
SUPT20H	SPT20 Homolog, SAGA Complex Component	Protein Coding	41	GC13M037009	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SUPT20H
HJV	Hemojuvelin BMP Co-Receptor	Protein Coding	40	GC01M146018	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HJV
FAM135A	Family With Sequence Similarity 135 Member A	Protein Coding	40	GC06P070412	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FAM135A
ALX3	ALX Homeobox 3	Protein Coding	40	GC01M110059	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ALX3
USP50	Ubiquitin Specific Peptidase 50	Protein Coding	40	GC15M050493	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=USP50
MAGEC1	MAGE Family Member C1	Protein Coding	39	GC0XP141905	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MAGEC1
FAM189B	Family With Sequence Similarity 189 Member B	Protein Coding	39	GC01M155248	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FAM189B
C5orf30	Chromosome 5 Open Reading Frame 30	Protein Coding	38	GC05P103258	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=C5orf30

GGT2	Gamma-Glutamyltransferase 2	Protein Coding	35	GC22M021207	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GGT2
EMSY	EMSY Transcriptional Repressor, BRCA2 Interacting	Protein Coding	35	GC11P076445	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=EMSY
TENT5C	Terminal Nucleotidyltransferase 5C	Protein Coding	32	GC01P117606	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TENT5C
FRG2C	FSHD Region Gene 2 Family Member C	Protein Coding	29	GC03P075646	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FRG2C
TUG1	Taurine Up-Regulated 1	RNA Gene	25	GC22P030969	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TUG1
TP73-AS1	TP73 Antisense RNA 1	RNA Gene	25	GC01M003735	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TP73-AS1
GGTLC3	Gamma-Glutamyltransferase Light Chain Family Member 3	Protein Coding	23	GC22M018516	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GGTLC3
MIRLET7B	MicroRNA Let-7b	RNA Gene	21	GC22P046123	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIRLET7B
MIR342	MicroRNA 342	RNA Gene	20	GC14P100109	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR342
FBXL19-AS1	FBXL19 Antisense RNA 1	RNA Gene	20	GC16M030932	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FBXL19-AS1
PCAT1	Prostate Cancer Associated Transcript 1	RNA Gene	20	GC08P126559	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PCAT1
SNHG28	Small Nucleolar RNA Host Gene 28	RNA Gene	20	GC01M159834	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SNHG28
SNHG29	Small Nucleolar RNA Host Gene 29	RNA Gene	20	GC17P016471	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SNHG29
MIR99B	MicroRNA 99b	RNA Gene	19	GC19P051692	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR99B
MIR561	MicroRNA 561	RNA Gene	17	GC02P188297	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR561
CCAT1	Colon Cancer Associated Transcript 1	RNA Gene	17	GC08M127207	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CCAT1
ST3GAL6-AS1	ST3GAL6 Antisense RNA 1	RNA Gene	16	GC03M098714	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ST3GAL6-AS1

PDIA3P1	Protein Disulfide Isomerase Family A Member 3 Pseudogene 1	Pseudogene	15	GC01P147184	2.54	bin/carddisp.pl?gene=ST3GAL6-AS1 https://www.genecards.org/cgi-bin/carddisp.pl?gene=PDIA3P1
LAMA5-AS1	LAMA5 Antisense RNA 1	RNA Gene	14	GC20P062352	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LAMA5-AS1
LOC100130744	Uncharacterized LOC100130744	RNA Gene	10	GC05P014823	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LOC100130744
IGHV4-38-2	Immunoglobulin Heavy Variable 4-38-2	Protein Coding	9	GC14U901616	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IGHV4-38-2
PDB6	Paget Disease Of Bone 6	Genetic Locus	6	GC10U990131	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PDB6
LOC107984837	Uncharacterized LOC107984837	RNA Gene	3	GC16U902333	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LOC107984837
LOC108251802	SHOX Downstream Enhancer, Distal Recombination Region	Biological Region	3	GC00U936784	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LOC108251802
LOC108251803	SHOX Downstream Enhancer, Proximal Recombination Region	Biological Region	3	GC00U936794	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LOC108251803
LOC106627981	GBA Recombination Region	Biological Region	3	GC01U905776	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LOC106627981
LOC106627982	GBAP1 Recombination Region	Biological Region	3	GC01U905727	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LOC106627982
CNE4	CNE4 Enhancer Downstream Of SHOX	Biological Region	3	GC00U936797	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CNE4
CNE5	CNE5 Enhancer Downstream Of SHOX	Biological Region	3	GC00U936789	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CNE5
CNE6	CNE6 Enhancer Downstream Of SHOX	Biological Region	3	GC00U936787	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CNE6
CNE7	CNE7 Enhancer Downstream Of SHOX	Biological Region	3	GC00U936782	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CNE7
CNE8	CNE8 Enhancer Downstream Of SHOX	Biological Region	3	GC00U936790	2.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CNE8
APOA1	Apolipoprotein A1	Protein Coding	56	GC11M116835	2.52	https://www.genecards.org/cgi-bin/carddisp.pl?gene=APOA1

PARP1	Poly(ADP-Ribose) Polymerase 1	Protein Coding	56	GC01M226360	2.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PARP1
CHADL	Chondroadherin Like	Protein Coding	40	GC22M042900	2.49	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CHADL
HMOX1	Heme Oxygenase 1	Protein Coding	59	GC22P035380	2.48	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HMOX1
TLR9	Toll Like Receptor 9	Protein Coding	52	GC03M052222	2.48	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TLR9
NFE2L2	Nuclear Factor, Erythroid 2 Like 2	Protein Coding	54	GC02M177227	2.48	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NFE2L2
SERPINA3	Serpin Family A Member 3	Protein Coding	50	GC14P094612	2.44	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SERPINA3
CD68	CD68 Molecule	Protein Coding	46	GC17P007579	2.44	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CD68
IL16	Interleukin 16	Protein Coding	49	GC15P081159	2.42	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL16
IL5	Interleukin 5	Protein Coding	51	GC05M132541	2.4	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL5
ADAMTS3	ADAM Metallopeptidase With Thrombospondin Type 1 Motif 3	Protein Coding	48	GC04M072280	2.4	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ADAMTS3
CX3CL1	C-X3-C Motif Chemokine Ligand 1	Protein Coding	48	GC16P057372	2.4	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CX3CL1
MMP7	Matrix Metallopeptidase 7	Protein Coding	54	GC11M102425	2.38	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MMP7
CCR3	C-C Motif Chemokine Receptor 3	Protein Coding	53	GC03P046227	2.36	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CCR3
HAVCR2	Hepatitis A Virus Cellular Receptor 2	Protein Coding	48	GC05M157063	2.36	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HAVCR2
MIR34A	MicroRNA 34a	RNA Gene	23	GC01M009151	2.36	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR34A
HDAC9	Histone Deacetylase 9	Protein Coding	53	GC07P018179	2.35	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HDAC9
ERG	ETS Transcription Factor ERG	Protein	52	GC21M038367	2.35	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ERG

SYVN1	Synoviolin 1	Coding Protein	45	GC11M065122	2.35	bin/carddisp.pl?gene=ERG https://www.genecards.org/cgi-bin/carddisp.pl?gene=SYVN1
NFKBIA	NFKB Inhibitor Alpha	Coding Protein	57	GC14M035401	2.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NFKBIA
TLR3	Toll Like Receptor 3	Coding Protein	58	GC04P186059	2.27	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TLR3
SOX5	SRY-Box 5	Coding Protein	51	GC12M023452	2.27	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SOX5
HAS2	Hyaluronan Synthase 2	Coding Protein	45	GC08M121594	2.27	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HAS2
MIR223	MicroRNA 223	RNA Gene	21	GC0XP066018	2.27	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR223
MIR149	MicroRNA 149	RNA Gene	20	GC02P240456	2.27	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR149
IL17F	Interleukin 17F	Coding Protein	47	GC06M052209	2.26	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL17F
TNFAIP3	TNF Alpha Induced Protein 3	Coding Protein	54	GC06P137866	2.25	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TNFAIP3
ITGB1	Integrin Subunit Beta 1	Coding Protein	56	GC10M032936	2.25	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ITGB1
NGF	Nerve Growth Factor	Coding Protein	57	GC01M115285	2.24	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NGF
IGFBP5	Insulin Like Growth Factor Binding Protein 5	Coding Protein	48	GC02M216672	2.24	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IGFBP5
PLAT	Plasminogen Activator, Tissue Type	Coding Protein	56	GC08M042174	2.23	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PLAT
MIR181A1	MicroRNA 181a-1	RNA Gene	19	GC01M198860	2.23	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR181A1
POSTN	Periostin	Coding Protein	50	GC13M037562	2.23	https://www.genecards.org/cgi-bin/carddisp.pl?gene=POSTN
MMP17	Matrix Metallopeptidase 17	Coding Protein	48	GC12P131828	2.22	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MMP17

CREB1	CAMP Responsive Element Binding Protein 1	Protein Coding	54	GC02P207529	2.22	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CREB1
PRKCA	Protein Kinase C Alpha	Protein Coding	57	GC17P066302	2.21	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PRKCA
ASTN2	Astrotactin 2	Protein Coding	42	GC09M116425	2.21	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ASTN2
CXCL13	C-X-C Motif Chemokine Ligand 13	Protein Coding	47	GC04P077511	2.2	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CXCL13
PITX1	Paired Like Homeodomain 1	Protein Coding	51	GC05M135027	2.19	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PITX1
CDKN1A	Cyclin Dependent Kinase Inhibitor 1A	Protein Coding	57	GC06P043169	2.19	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CDKN1A
LRP6	LDL Receptor Related Protein 6	Protein Coding	54	GC12M012660	2.19	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LRP6
SP1	Sp1 Transcription Factor	Protein Coding	50	GC12P053380	2.19	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SP1
OLR1	Oxidized Low Density Lipoprotein Receptor 1	Protein Coding	50	GC12M012631	2.19	https://www.genecards.org/cgi-bin/carddisp.pl?gene=OLR1
LGALS1	Galectin 1	Protein Coding	49	GC22P037675	2.19	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LGALS1
MIR145	MicroRNA 145	RNA Gene	23	GC05P149430	2.19	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR145
BDNF	Brain Derived Neurotrophic Factor	Protein Coding	53	GC11M027654	2.16	https://www.genecards.org/cgi-bin/carddisp.pl?gene=BDNF
PTN	Pleiotrophin	Protein Coding	49	GC07M137227	2.16	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PTN
LEPQTL1	Leptin, Serum Levels Of	Genetic Locus	5	GC02U903086	2.16	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LEPQTL1
PLA2G2A	Phospholipase A2 Group IIA	Protein Coding	52	GC01M019975	2.15	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PLA2G2A
CAMK2B	Calcium/Calmodulin Dependent Protein Kinase II Beta	Protein Coding	56	GC07M044217	2.14	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CAMK2B
TGFBR3	Transforming Growth Factor Beta	Protein	52	GC01M091619	2.14	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TGFBR3

CRTC1	Receptor 3 CREB Regulated Transcription Coactivator 1	Coding Protein Coding	49	GC19P020645	2.14	bin/carddisp.pl?gene=TGFBR3 https://www.genecards.org/cgi-bin/carddisp.pl?gene=CRTC1
XRCC4	X-Ray Repair Cross Complementing 4	Protein Coding	49	GC05P083077	2.14	https://www.genecards.org/cgi-bin/carddisp.pl?gene=XRCC4
MUS81	MUS81 Structure-Specific Endonuclease Subunit	Protein Coding	48	GC11P065878	2.14	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MUS81
SLC39A8	Solute Carrier Family 39 Member 8	Protein Coding	48	GC04M102252	2.14	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SLC39A8
MRC1	Mannose Receptor C-Type 1	Protein Coding	45	GC10P017809	2.14	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MRC1
CSMD1	CUB And Sushi Multiple Domains 1	Protein Coding	42	GC08M002953	2.14	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CSMD1
PAR3B	Par-3 Family Cell Polarity Regulator Beta	Protein Coding	41	GC02P204545	2.14	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PAR3B
DUS4L	Dihydrouridine Synthase 4 Like	Protein Coding	40	GC07P107563	2.14	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DUS4L
DNAH10	Dynein Axonemal Heavy Chain 10	Protein Coding	40	GC12P123762	2.14	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DNAH10
NACA2	Nascent Polypeptide Associated Complex Subunit Alpha 2	Protein Coding	39	GC17M061590	2.14	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NACA2
TMEM167A	Transmembrane Protein 167A	Protein Coding	38	GC05M083052	2.14	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TMEM167A
NEAT1	Nuclear Paraspeckle Assembly Transcript 1	RNA Gene	24	GC11P065550	2.14	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NEAT1
SCARNA18	Small Cajal Body-Specific RNA 18	RNA Gene	18	GC05M083064	2.14	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SCARNA18
TSBP1-AS1	TSBP1 And BTNL2 Antisense RNA 1	RNA Gene	10	GC06P032855	2.14	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TSBP1-AS1
IL21	Interleukin 21	Protein Coding	50	GC04M122612	2.13	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL21
UCN	Urocortin	Protein Coding	44	GC02M027273	2.13	https://www.genecards.org/cgi-bin/carddisp.pl?gene=UCN

CLEC3B	C-Type Lectin Domain Family 3 Member B	Protein Coding	46	GC03P045212	2.12	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CLEC3B
CXCL10	C-X-C Motif Chemokine Ligand 10	Protein Coding	50	GC04M076021	2.12	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CXCL10
CCR7	C-C Motif Chemokine Receptor 7	Protein Coding	51	GC17M040556	2.12	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CCR7
XDH	Xanthine Dehydrogenase	Protein Coding	54	GC02M031294	2.1	https://www.genecards.org/cgi-bin/carddisp.pl?gene=XDH
IGFBP7	Insulin Like Growth Factor Binding Protein 7	Protein Coding	52	GC04M057030	2.1	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IGFBP7
RARRES2	Retinoic Acid Receptor Responder 2	Protein Coding	45	GC07M150333	2.1	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RARRES2
ALOX15	Arachidonate 15-Lipoxygenase	Protein Coding	51	GC17M004630	2.07	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ALOX15
MMP14	Matrix Metalloproteinase 14	Protein Coding	57	GC14P024599	2.06	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MMP14
PTH1R	Parathyroid Hormone 1 Receptor	Protein Coding	56	GC03P046877	2.04	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PTH1R
IL1RAP	Interleukin 1 Receptor Accessory Protein	Protein Coding	49	GC03P190514	2.03	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL1RAP
PEPD	Peptidase D	Protein Coding	51	GC19M033386	2.02	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PEPD
IL34	Interleukin 34	Protein Coding	44	GC16P070613	2.02	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL34
MIR21	MicroRNA 21	RNA Gene	24	GC17P059841	2.02	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR21
TH	Tyrosine Hydroxylase	Protein Coding	58	GC11M002163	2.02	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TH
PECAM1	Platelet And Endothelial Cell Adhesion Molecule 1	Protein Coding	46	GC17M064319	2.02	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PECAM1
IGF1R	Insulin Like Growth Factor 1 Receptor	Protein Coding	62	GC15P098648	2.02	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IGF1R
ANPEP	Alanyl Aminopeptidase, Membrane	Protein	54	GC15M089784	2.02	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ANPEP

CDH2	Cadherin 2	Coding Protein Coding	56	GC18M027950	1.99	bin/carddisp.pl?gene=ANPEP https://www.genecards.org/cgi-bin/carddisp.pl?gene=CDH2
OPRD1	Opioid Receptor Delta 1	Protein Coding	50	GC01P028826	1.99	https://www.genecards.org/cgi-bin/carddisp.pl?gene=OPRD1
CLU	Clusterin	Protein Coding	53	GC08M027596	1.98	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CLU
IL1R2	Interleukin 1 Receptor Type 2	Protein Coding	51	GC02P101991	1.98	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL1R2
IL9	Interleukin 9	Protein Coding	50	GC05M135891	1.98	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL9
MAZ	MYC Associated Zinc Finger Protein	Protein Coding	45	GC16P029806	1.98	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MAZ
CTNNB1	Catenin Beta 1	Protein Coding	60	GC03P041236	1.96	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CTNNB1
WNT5A	Wnt Family Member 5A	Protein Coding	56	GC03M055474	1.96	https://www.genecards.org/cgi-bin/carddisp.pl?gene=WNT5A
GREM1	Gremlin 1, DAN Family BMP Antagonist	Protein Coding	51	GC15P032717	1.96	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GREM1
CXCR3	C-X-C Motif Chemokine Receptor 3	Protein Coding	50	GC0XM071615	1.95	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CXCR3
MET	MET Proto-Oncogene, Receptor Tyrosine Kinase	Protein Coding	62	GC07P116672	1.93	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MET
NOTCH1	Notch Receptor 1	Protein Coding	59	GC09M136558	1.93	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NOTCH1
DEAF1	DEAF1 Transcription Factor	Protein Coding	47	GC11M000644	1.93	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DEAF1
OLIG3	Oligodendrocyte Transcription Factor 3	Protein Coding	41	GC06M137492	1.93	https://www.genecards.org/cgi-bin/carddisp.pl?gene=OLIG3
GPR22	G Protein-Coupled Receptor 22	Protein Coding	39	GC07P107470	1.93	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GPR22
VCAN	Versican	Protein Coding	53	GC05P083471	1.92	https://www.genecards.org/cgi-bin/carddisp.pl?gene=VCAN

CAV1	Caveolin 1	Protein Coding	54	GC07P116524	1.92	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CAV1
MIR29B1	MicroRNA 29b-1	RNA Gene	20	GC07M130877	1.92	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR29B1
CXCR2	C-X-C Motif Chemokine Receptor 2	Protein Coding	54	GC02P218125	1.92	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CXCR2
ATF2	Activating Transcription Factor 2	Protein Coding	52	GC02M175072	1.9	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ATF2
HRH2	Histamine Receptor H2	Protein Coding	50	GC05P175659	1.9	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HRH2
CXCR1	C-X-C Motif Chemokine Receptor 1	Protein Coding	49	GC02M218162	1.88	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CXCR1
SOCS1	Suppressor Of Cytokine Signaling 1	Protein Coding	50	GC16M011255	1.87	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SOCS1
PIK3R1	Phosphoinositide-3-Kinase Regulatory Subunit 1	Protein Coding	58	GC05P068215	1.87	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PIK3R1
ACVRL1	Activin A Receptor Like Type 1	Protein Coding	56	GC12P051906	1.87	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ACVRL1
LPAR1	Lysophosphatidic Acid Receptor 1	Protein Coding	52	GC09M110873	1.87	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LPAR1
TREH	Trehalase	Protein Coding	49	GC11M118562	1.87	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TREH
IL1RL2	Interleukin 1 Receptor Like 2	Protein Coding	48	GC02P102261	1.87	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL1RL2
THBS1	Thrombospondin 1	Protein Coding	51	GC15P039581	1.87	https://www.genecards.org/cgi-bin/carddisp.pl?gene=THBS1
ADIPOR1	Adiponectin Receptor 1	Protein Coding	51	GC01M202940	1.84	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ADIPOR1
CTSD	Cathepsin D	Protein Coding	59	GC11M001752	1.83	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CTSD
CALCR	Calcitonin Receptor	Protein Coding	54	GC07M093424	1.83	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CALCR
GJA1	Gap Junction Protein Alpha 1	Protein	57	GC06P121436	1.82	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GJA1

PTK2B	Protein Tyrosine Kinase 2 Beta	Coding Protein	55	GC08P027311	1.82	bin/carddisp.pl?gene=GJA1 https://www.genecards.org/cgi-bin/carddisp.pl?gene=PTK2B
NR1D1	Nuclear Receptor Subfamily 1 Group D Member 1	Coding Protein	54	GC17M040092	1.82	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NR1D1
TYMP	Thymidine Phosphorylase	Coding Protein	53	GC22M050525	1.82	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TYMP
SERPINB2	Serpin Family B Member 2	Coding Protein	50	GC18P063871	1.82	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SERPINB2
SREBF2	Sterol Regulatory Element Binding Transcription Factor 2	Coding Protein	50	GC22P041833	1.82	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SREBF2
CCL11	C-C Motif Chemokine Ligand 11	Coding Protein	49	GC17P034285	1.82	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CCL11
ITLN1	Intelectin 1	Coding Protein	45	GC01M160846	1.82	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ITLN1
RBFOX1	RNA Binding Fox-1 Homolog 1	Coding Protein	44	GC16P005240	1.82	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RBFOX1
MIR26B	MicroRNA 26b	RNA Gene	22	GC02P218402	1.82	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR26B
MIR27B	MicroRNA 27b	RNA Gene	21	GC09P095102	1.82	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR27B
MIR488	MicroRNA 488	RNA Gene	17	GC01M177029	1.82	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR488
IL32	Interleukin 32	Coding Protein	46	GC16P003831	1.81	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL32
IL33	Interleukin 33	Coding Protein	45	GC09P006206	1.81	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL33
SNORD19	Small Nucleolar RNA, C/D Box 19	RNA Gene	16	GC03P052784	1.81	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SNORD19
GLIS3	GLIS Family Zinc Finger 3	Coding Protein	45	GC09M003816	1.8	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GLIS3
DPP4	Dipeptidyl Peptidase 4	Coding Protein	56	GC02M161992	1.8	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DPP4

FGF1	Fibroblast Growth Factor 1	Protein Coding	54	GC05M142555	1.8	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FGF1
MAP2K4	Mitogen-Activated Protein Kinase Kinase 4	Protein Coding	52	GC17P012020	1.8	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MAP2K4
INHBA	Inhibin Subunit Beta A	Protein Coding	50	GC07M041668	1.8	https://www.genecards.org/cgi-bin/carddisp.pl?gene=INHBA
LUM	Lumican	Protein Coding	48	GC12M091102	1.8	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LUM
CCL21	C-C Motif Chemokine Ligand 21	Protein Coding	48	GC09M034709	1.8	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CCL21
MCAM	Melanoma Cell Adhesion Molecule	Protein Coding	46	GC11M119308	1.8	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MCAM
MIR210	MicroRNA 210	RNA Gene	21	GC11M000610	1.8	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR210
ROR2	Receptor Tyrosine Kinase Like Orphan Receptor 2	Protein Coding	54	GC09M091564	1.79	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ROR2
NOX4	NADPH Oxidase 4	Protein Coding	48	GC11M089324	1.78	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NOX4
SLPI	Secretory Leukocyte Peptidase Inhibitor	Protein Coding	45	GC20M045252	1.78	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SLPI
PLA2G3	Phospholipase A2 Group III	Protein Coding	44	GC22M031135	1.77	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PLA2G3
NR3C1	Nuclear Receptor Subfamily 3 Group C Member 1	Protein Coding	57	GC05M143241	1.76	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NR3C1
CCR1	C-C Motif Chemokine Receptor 1	Protein Coding	52	GC03M046218	1.75	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CCR1
HMMR	Hyaluronan Mediated Motility Receptor	Protein Coding	48	GC05P163480	1.75	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HMMR
COMT	Catechol-O-Methyltransferase	Protein Coding	58	GC22P019941	1.75	https://www.genecards.org/cgi-bin/carddisp.pl?gene=COMT
NUCB2	Nucleobindin 2	Protein Coding	45	GC11P017212	1.75	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NUCB2
CYP19A1	Cytochrome P450 Family 19 Subfamily	Protein	56	GC15M051208	1.74	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CYP19A1

	A Member 1	Coding				bin/carddisp.pl?gene=CYP19A1
NPY	Neuropeptide Y	Protein Coding	52	GC07P024290	1.74	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NPY
PTGER4	Prostaglandin E Receptor 4	Protein Coding	52	GC05P040679	1.74	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PTGER4
IFNB1	Interferon Beta 1	Protein Coding	48	GC09M021077	1.74	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IFNB1
GZMA	Granzyme A	Protein Coding	48	GC05P055102	1.74	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GZMA
IL22	Interleukin 22	Protein Coding	47	GC12M068248	1.74	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL22
TCF7L1	Transcription Factor 7 Like 1	Protein Coding	46	GC02P085133	1.74	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TCF7L1
CHI3L2	Chitinase 3 Like 2	Protein Coding	45	GC01P111201	1.74	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CHI3L2
SERPINA1	Serpin Family A Member 1	Protein Coding	56	GC14M094376	1.73	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SERPINA1
PDCD5	Programmed Cell Death 5	Protein Coding	46	GC19P032581	1.73	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PDCD5
VIM2P	Vimentin 2, Pseudogene	Pseudogene	6	GC06M126602	1.73	https://www.genecards.org/cgi-bin/carddisp.pl?gene=VIM2P
MPO	Myeloperoxidase	Protein Coding	57	GC17M058269	1.7	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MPO
BMPR1A	Bone Morphogenetic Protein Receptor Type 1A	Protein Coding	57	GC10P086756	1.7	https://www.genecards.org/cgi-bin/carddisp.pl?gene=BMPR1A
ITGB3	Integrin Subunit Beta 3	Protein Coding	56	GC17P047254	1.7	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ITGB3
ITGAM	Integrin Subunit Alpha M	Protein Coding	53	GC16P031326	1.7	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ITGAM
BIRC5	Baculoviral IAP Repeat Containing 5	Protein Coding	53	GC17P078214	1.7	https://www.genecards.org/cgi-bin/carddisp.pl?gene=BIRC5
EDN1	Endothelin 1	Protein Coding	53	GC06P012290	1.7	https://www.genecards.org/cgi-bin/carddisp.pl?gene=EDN1

IL10RA	Interleukin 10 Receptor Subunit Alpha	Protein Coding	51	GC11P117987	1.7	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL10RA
HP	Haptoglobin	Protein Coding	50	GC16P072089	1.7	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HP
ADIPOR2	Adiponectin Receptor 2	Protein Coding	48	GC12P001670	1.7	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ADIPOR2
CLEC4A	C-Type Lectin Domain Family 4 Member A	Protein Coding	44	GC12P008123	1.7	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CLEC4A
CCL8	C-C Motif Chemokine Ligand 8	Protein Coding	44	GC17P034319	1.7	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CCL8
CCL18	C-C Motif Chemokine Ligand 18	Protein Coding	42	GC17P036064	1.7	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CCL18
TPSAB1	Tryptase Alpha/Beta 1	Protein Coding	48	GC16P001240	1.7	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TPSAB1
MIR454	MicroRNA 454	RNA Gene	19	GC17M059137	1.7	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR454
MIR885	MicroRNA 885	RNA Gene	16	GC03M010413	1.7	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR885
UGDH	UDP-Glucose 6-Dehydrogenase	Protein Coding	49	GC04M039502	1.7	https://www.genecards.org/cgi-bin/carddisp.pl?gene=UGDH
CHAD	Chondroadherin	Protein Coding	45	GC17M050464	1.68	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CHAD
PRELP	Proline And Arginine Rich End Leucine Rich Repeat Protein	Protein Coding	45	GC01P203444	1.68	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PRELP
TRAF6	TNF Receptor Associated Factor 6	Protein Coding	53	GC11M036467	1.67	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TRAF6
APLN	Apelin	Protein Coding	43	GC0XM129645	1.67	https://www.genecards.org/cgi-bin/carddisp.pl?gene=APLN
PTEN	Phosphatase And Tensin Homolog	Protein Coding	59	GC10P087863	1.66	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PTEN
KNG1	Kininogen 1	Protein Coding	50	GC03P186717	1.66	https://www.genecards.org/cgi-bin/carddisp.pl?gene=KNG1
FOXO3	Forkhead Box O3	Protein	50	GC06P108559	1.66	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FOXO3

PGF	Placental Growth Factor	Coding Protein	50	GC14M074941	1.66	bin/carddisp.pl?gene=FOXO3 https://www.genecards.org/cgi-bin/carddisp.pl?gene=PGF
HBEGF	Heparin Binding EGF Like Growth Factor	Coding Protein	49	GC05M140332	1.66	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HBEGF
PCSK6	Proprotein Convertase Subtilisin/Kexin Type 6	Coding Protein	46	GC15M101297	1.66	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PCSK6
SOD3	Superoxide Dismutase 3	Coding Protein	45	GC04P024798	1.66	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SOD3
MMP28	Matrix Metalloproteinase 28	Coding Protein	43	GC17M035756	1.66	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MMP28
MIR27A	MicroRNA 27a	RNA Gene	23	GC19M013946	1.66	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR27A
BSG	Basigin (Ok Blood Group)	Coding Protein	50	GC19P000571	1.64	https://www.genecards.org/cgi-bin/carddisp.pl?gene=BSG
WNT3A	Wnt Family Member 3A	Coding Protein	54	GC01P228013	1.63	https://www.genecards.org/cgi-bin/carddisp.pl?gene=WNT3A
SMURF2	SMAD Specific E3 Ubiquitin Protein Ligase 2	Coding Protein	50	GC17M064542	1.63	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SMURF2
NOS1	Nitric Oxide Synthase 1	Coding Protein	56	GC12M117169	1.63	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NOS1
TPI1	Triosephosphate Isomerase 1	Coding Protein	54	GC12P006910	1.61	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TPI1
NLRP12	NLR Family Pyrin Domain Containing 12	Coding Protein	50	GC19M053793	1.61	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NLRP12
AQP1	Aquaporin 1 (Colton Blood Group)	Coding Protein	52	GC07P030911	1.61	https://www.genecards.org/cgi-bin/carddisp.pl?gene=AQP1
PAPSS2	3'-Phosphoadenosine 5'-Phosphosulfate Synthase 2	Coding Protein	51	GC10P087659	1.61	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PAPSS2
JUND	JunD Proto-Oncogene, AP-1 Transcription Factor Subunit	Coding Protein	48	GC19M018279	1.61	https://www.genecards.org/cgi-bin/carddisp.pl?gene=JUND
CXCR5	C-X-C Motif Chemokine Receptor 5	Coding Protein	47	GC11P118884	1.61	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CXCR5

CXCL11	C-X-C Motif Chemokine Ligand 11	Protein Coding	46	GC04M076033	1.61	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CXCL11
LOC111365141	NOS2 5' Regulatory Region	Biological Region	3	GC17U902748	1.61	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LOC111365141
DUSP1	Dual Specificity Phosphatase 1	Protein Coding	53	GC05M172768	1.6	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DUSP1
PLOD2	Procollagen-Lysine,2-Oxoglutarate 5-Dioxygenase 2	Protein Coding	52	GC03M146069	1.6	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PLOD2
MMP16	Matrix Metalloproteinase 16	Protein Coding	51	GC08M088032	1.6	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MMP16
NGFR	Nerve Growth Factor Receptor	Protein Coding	51	GC17P049495	1.6	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NGFR
ARNTL	Aryl Hydrocarbon Receptor Nuclear Translocator Like	Protein Coding	48	GC11P013276	1.6	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ARNTL
CSGALNACT1	Chondroitin Sulfate N-Acetylgalactosaminyltransferase 1	Protein Coding	44	GC08M019404	1.6	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CSGALNACT1
MIR29A	MicroRNA 29a	RNA Gene	22	GC07M130876	1.6	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR29A
SDC4	Syndecan 4	Protein Coding	51	GC20M045325	1.59	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SDC4
DIO3	Iodothyronine Deiodinase 3	Protein Coding	46	GC14P103770	1.59	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DIO3
ATF3	Activating Transcription Factor 3	Protein Coding	50	GC01P212565	1.56	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ATF3
TGIF1	TGFB Induced Factor Homeobox 1	Protein Coding	52	GC18P003411	1.55	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TGIF1
TACR1	Tachykinin Receptor 1	Protein Coding	52	GC02M075010	1.55	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TACR1
HMGA2	High Mobility Group AT-Hook 2	Protein Coding	51	GC12P065824	1.55	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HMGA2
B3GAT3	Beta-1,3-Glucuronyltransferase 3	Protein Coding	51	GC11M062633	1.55	https://www.genecards.org/cgi-bin/carddisp.pl?gene=B3GAT3
CST3	Cystatin C	Protein	51	GC20M023608	1.55	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CST3

CAST	Calpastatin	Coding Protein	51	GC05P096525	1.55	bin/carddisp.pl?gene=CST3 https://www.genecards.org/cgi-bin/carddisp.pl?gene=CAST
AHSG	Alpha 2-HS Glycoprotein	Coding Protein	50	GC03P186612	1.55	https://www.genecards.org/cgi-bin/carddisp.pl?gene=AHSG
SFRP1	Secreted Frizzled Related Protein 1	Coding Protein	50	GC08M041238	1.55	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SFRP1
HYAL2	Hyaluronidase 2	Coding Protein	48	GC03M050317	1.55	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HYAL2
CABIN1	Calcineurin Binding Protein 1	Coding Protein	48	GC22P024011	1.55	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CABIN1
HMGB2	High Mobility Group Box 2	Coding Protein	47	GC04M173331	1.55	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HMGB2
MRC2	Mannose Receptor C Type 2	Coding Protein	46	GC17P062627	1.55	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MRC2
CIRBP	Cold Inducible RNA Binding Protein	Coding Protein	44	GC19P001269	1.55	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CIRBP
MTOR	Mechanistic Target Of Rapamycin Kinase	Coding Protein	61	GC01M011166	1.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MTOR
CNR2	Cannabinoid Receptor 2	Coding Protein	51	GC01M023870	1.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CNR2
TIMP4	TIMP Metallopeptidase Inhibitor 4	Coding Protein	45	GC03M012153	1.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TIMP4
BAG6	BCL2 Associated Athanogene 6	Coding Protein	42	GC06M031639	1.54	https://www.genecards.org/cgi-bin/carddisp.pl?gene=BAG6
THRA	Thyroid Hormone Receptor Alpha	Coding Protein	55	GC17P040058	1.53	https://www.genecards.org/cgi-bin/carddisp.pl?gene=THRA
ATF6	Activating Transcription Factor 6	Coding Protein	53	GC01P161766	1.53	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ATF6
HMGCR	3-Hydroxy-3-Methylglutaryl-CoA Reductase	Coding Protein	52	GC05P075336	1.53	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HMGCR
GLRX	Glutaredoxin	Coding Protein	51	GC05M095752	1.53	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GLRX

MUTYH	MutY DNA Glycosylase	Protein Coding	50	GC01M045329	1.53	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MUTYH
ORAI1	ORAI Calcium Release-Activated Calcium Modulator 1	Protein Coding	50	GC12P122415	1.53	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ORAI1
UTS2	Urotensin 2	Protein Coding	46	GC01M007904	1.53	https://www.genecards.org/cgi-bin/carddisp.pl?gene=UTS2
USP33	Ubiquitin Specific Peptidase 33	Protein Coding	44	GC01M077695	1.53	https://www.genecards.org/cgi-bin/carddisp.pl?gene=USP33
COL6A4P2	Collagen Type VI Alpha 4 Pseudogene 2	Pseudogene	15	GC03P130212	1.53	https://www.genecards.org/cgi-bin/carddisp.pl?gene=COL6A4P2
PROCR	Protein C Receptor	Protein Coding	48	GC20P035171	1.5	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PROCR
GSK3B	Glycogen Synthase Kinase 3 Beta	Protein Coding	57	GC03M119821	1.5	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GSK3B
DNMT3A	DNA Methyltransferase 3 Alpha	Protein Coding	57	GC02M025194	1.5	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DNMT3A
MAP3K5	Mitogen-Activated Protein Kinase Kinase Kinase 5	Protein Coding	54	GC06M136500	1.5	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MAP3K5
FOXO1	Forkhead Box O1	Protein Coding	54	GC13M040555	1.5	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FOXO1
PIK3CG	Phosphatidylinositol-4,5-Bisphosphate 3-Kinase Catalytic Subunit Gamma	Protein Coding	54	GC07P106865	1.5	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PIK3CG
CNR1	Cannabinoid Receptor 1	Protein Coding	53	GC06M088139	1.5	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CNR1
PPARGC1A	PPARG Coactivator 1 Alpha	Protein Coding	53	GC04M023755	1.5	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PPARGC1A
SMAD2	SMAD Family Member 2	Protein Coding	53	GC18M047809	1.5	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SMAD2
CYBA	Cytochrome B-245 Alpha Chain	Protein Coding	52	GC16M088643	1.5	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CYBA
CCR4	C-C Motif Chemokine Receptor 4	Protein Coding	51	GC03P032968	1.5	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CCR4
OPRK1	Opioid Receptor Kappa 1	Protein	51	GC08M053227	1.5	https://www.genecards.org/cgi-bin/carddisp.pl?gene=OPRK1

LCN2	Lipocalin 2	Coding Protein	50	GC09P128149	1.5	bin/carddisp.pl?gene=OPRK1 https://www.genecards.org/cgi-bin/carddisp.pl?gene=LCN2
PTGES3	Prostaglandin E Synthase 3	Coding Protein	50	GC12M056667	1.5	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PTGES3
SERPINB5	Serpin Family B Member 5	Coding Protein	50	GC18P063476	1.5	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SERPINB5
RELN	Reelin	Coding Protein	50	GC07M103471	1.5	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RELN
SIRT6	Sirtuin 6	Coding Protein	50	GC19M004174	1.5	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SIRT6
LY96	Lymphocyte Antigen 96	Coding Protein	49	GC08P073991	1.5	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LY96
EFEMP2	EGF Containing Fibulin Extracellular Matrix Protein 2	Coding Protein	49	GC11M065867	1.5	https://www.genecards.org/cgi-bin/carddisp.pl?gene=EFEMP2
PPBP	Pro-Platelet Basic Protein	Coding Protein	49	GC04M073986	1.5	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PPBP
HRH4	Histamine Receptor H4	Coding Protein	48	GC18P024460	1.5	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HRH4
FAP	Fibroblast Activation Protein Alpha	Coding Protein	48	GC02M162170	1.5	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FAP
SERPINA4	Serpin Family A Member 4	Coding Protein	46	GC14P094561	1.5	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SERPINA4
SP3	Sp3 Transcription Factor	Coding Protein	46	GC02M173906	1.5	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SP3
IL27	Interleukin 27	Coding Protein	45	GC16M028511	1.5	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL27
IL18RAP	Interleukin 18 Receptor Accessory Protein	Coding Protein	45	GC02P102418	1.5	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL18RAP
LGALS9	Galectin 9	Coding Protein	44	GC17P027629	1.5	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LGALS9
PITRM1	Pitrilysin Metallopeptidase 1	Coding Protein	44	GC10M003179	1.5	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PITRM1

CCL13	C-C Motif Chemokine Ligand 13	Protein Coding	43	GC17P034356	1.5	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CCL13
IFNL1	Interferon Lambda 1	Protein Coding	40	GC19P039296	1.5	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IFNL1
MIR206	MicroRNA 206	RNA Gene	22	GC06P052144	1.5	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR206
MIR125B1	MicroRNA 125b-1	RNA Gene	21	GC11M122100	1.5	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR125B1
MIR9-1	MicroRNA 9-1	RNA Gene	21	GC01M156420	1.5	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR9-1
MIR320A	MicroRNA 320a	RNA Gene	21	GC08M022245	1.5	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR320A
MIR125B2	MicroRNA 125b-2	RNA Gene	20	GC21P016590	1.5	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR125B2
MIR139	MicroRNA 139	RNA Gene	20	GC11M072615	1.5	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR139
MIR30A	MicroRNA 30a	RNA Gene	20	GC06M071403	1.5	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR30A
ERVK-18	Endogenous Retrovirus Group K Member 18	Protein Coding	11	GC01U903332	1.5	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ERVK-18
POR	Cytochrome P450 Oxidoreductase	Protein Coding	55	GC07P075899	1.49	https://www.genecards.org/cgi-bin/carddisp.pl?gene=POR
MTHFR	Methylenetetrahydrofolate Reductase	Protein Coding	54	GC01M011845	1.49	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MTHFR
PTGER2	Prostaglandin E Receptor 2	Protein Coding	54	GC14P052314	1.49	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PTGER2
CYP1A1	Cytochrome P450 Family 1 Subfamily A Member 1	Protein Coding	53	GC15M074719	1.49	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CYP1A1
HHIP	Hedgehog Interacting Protein	Protein Coding	48	GC04P144645	1.49	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HHIP
SIK3	SIK Family Kinase 3	Protein Coding	48	GC11M116843	1.49	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SIK3
NRCAM	Neuronal Cell Adhesion Molecule	Protein	47	GC07M108147	1.49	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NRCAM

NCALD	Neurocalcin Delta	Coding Protein	46	GC08M101704	1.49	bin/carddisp.pl?gene=NRCAM https://www.genecards.org/cgi-bin/carddisp.pl?gene=NCALD
LRG1	Leucine Rich Alpha-2-Glycoprotein 1	Coding Protein	45	GC19M004538	1.49	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LRG1
DSP	Desmoplakin	Coding Protein	56	GC06P007541	1.45	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DSP
HSPD1	Heat Shock Protein Family D (Hsp60) Member 1	Coding Protein	54	GC02M197486	1.45	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HSPD1
SCN9A	Sodium Voltage-Gated Channel Alpha Subunit 9	Coding Protein	53	GC02M166195	1.45	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SCN9A
PRDX5	Peroxiredoxin 5	Coding Protein	52	GC11P064317	1.45	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PRDX5
ADM	Adrenomedullin	Coding Protein	50	GC11P010304	1.45	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ADM
CSTA	Cystatin A	Coding Protein	50	GC03P122325	1.45	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CSTA
MIR130A	MicroRNA 130a	RNA Gene	20	GC11P057641	1.45	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR130A
MIR365A	MicroRNA 365a	RNA Gene	17	GC16P014309	1.45	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR365A
MAP2K6	Mitogen-Activated Protein Kinase Kinase 6	Coding Protein	53	GC17P069414	1.43	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MAP2K6
IDUA	Iduronidase Alpha-L-	Coding Protein	48	GC04P000980	1.43	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IDUA
AHR	Aryl Hydrocarbon Receptor	Coding Protein	56	GC07P016916	1.43	https://www.genecards.org/cgi-bin/carddisp.pl?gene=AHR
MC1R	Melanocortin 1 Receptor	Coding Protein	54	GC16P089912	1.43	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MC1R
YY1	YY1 Transcription Factor	Coding Protein	54	GC14P100238	1.43	https://www.genecards.org/cgi-bin/carddisp.pl?gene=YY1
TWIST1	Twist Family BHLH Transcription Factor 1	Coding Protein	52	GC07M019020	1.43	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TWIST1

GALE	UDP-Galactose-4-Epimerase	Protein Coding	51	GC01M023795	1.43	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GALE
HABP2	Hyaluronan Binding Protein 2	Protein Coding	50	GC10P113550	1.43	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HABP2
ANP32A	Acidic Nuclear Phosphoprotein 32 Family Member A	Protein Coding	48	GC15M068778	1.43	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ANP32A
WNT16	Wnt Family Member 16	Protein Coding	48	GC07P121325	1.43	https://www.genecards.org/cgi-bin/carddisp.pl?gene=WNT16
HIF3A	Hypoxia Inducible Factor 3 Subunit Alpha	Protein Coding	45	GC19P046297	1.43	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HIF3A
HBP1	HMG-Box Transcription Factor 1	Protein Coding	43	GC07P107168	1.43	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HBP1
FIP1L1	Factor Interacting With PAPOLA And CPSF1	Protein Coding	43	GC04P053378	1.43	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FIP1L1
CHRDL2	Chordin Like 2	Protein Coding	42	GC11M074696	1.43	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CHRDL2
DCSTAMP	Dendrocyte Expressed Seven Transmembrane Protein	Protein Coding	41	GC08P104339	1.43	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DCSTAMP
TENT5A	Terminal Nucleotidyltransferase 5A	Protein Coding	34	GC06M081494	1.43	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TENT5A
EZH2	Enhancer Of Zeste 2 Polycomb Repressive Complex 2 Subunit	Protein Coding	60	GC07M148807	1.41	https://www.genecards.org/cgi-bin/carddisp.pl?gene=EZH2
RAC1	Rac Family Small GTPase 1	Protein Coding	56	GC07P006380	1.41	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RAC1
NR1H3	Nuclear Receptor Subfamily 1 Group H Member 3	Protein Coding	53	GC11P047269	1.41	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NR1H3
IL12A	Interleukin 12A	Protein Coding	51	GC03P159988	1.41	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL12A
C5AR1	Complement C5a Receptor 1	Protein Coding	50	GC19P047290	1.41	https://www.genecards.org/cgi-bin/carddisp.pl?gene=C5AR1
GSTM1	Glutathione S-Transferase Mu 1	Protein Coding	48	GC01P109687	1.41	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GSTM1
LGALS8	Galectin 8	Protein	48	GC01P236518	1.41	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LGALS8

SLC23A2	Solute Carrier Family 23 Member 2	Coding Protein	48	GC20M004781	1.41	bin/carddisp.pl?gene=LGALS8 https://www.genecards.org/cgi-bin/carddisp.pl?gene=SLC23A2
BBC3	BCL2 Binding Component 3	Coding Protein	46	GC19M047220	1.41	https://www.genecards.org/cgi-bin/carddisp.pl?gene=BBC3
FGF21	Fibroblast Growth Factor 21	Coding Protein	46	GC19P048756	1.41	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FGF21
SCG2	Secretogranin II	Coding Protein	45	GC02M223596	1.41	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SCG2
ADAMTS9	ADAM Metallopeptidase With Thrombospondin Type 1 Motif 9	Coding Protein	43	GC03M064501	1.41	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ADAMTS9
GSTT1	Glutathione S-Transferase Theta 1	Coding Protein	39	GC22Mi00270	1.41	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GSTT1
MIR29C	MicroRNA 29c	RNA Gene	18	GC01M207802	1.41	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR29C
MIR29B2	MicroRNA 29b-2	RNA Gene	17	GC01M207810	1.41	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR29B2
MAP1LC3A	Microtubule Associated Protein 1 Light Chain 3 Alpha	Coding Protein	50	GC20P034546	1.36	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MAP1LC3A
FOSL1	FOS Like 1, AP-1 Transcription Factor Subunit	Coding Protein	50	GC11M065909	1.36	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FOSL1
NOD1	Nucleotide Binding Oligomerization Domain Containing 1	Coding Protein	50	GC07M030424	1.36	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NOD1
WWP2	WW Domain Containing E3 Ubiquitin Protein Ligase 2	Coding Protein	50	GC16P069796	1.36	https://www.genecards.org/cgi-bin/carddisp.pl?gene=WWP2
STAB1	Stabilin 1	Coding Protein	45	GC03P052529	1.36	https://www.genecards.org/cgi-bin/carddisp.pl?gene=STAB1
HIST1H3A	Histone Cluster 1 H3 Family Member A	Coding Protein	43	GC06P026020	1.36	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HIST1H3A
SCUBE1	Signal Peptide, CUB Domain And EGF Like Domain Containing 1	Coding Protein	43	GC22M043197	1.36	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SCUBE1
CD247	CD247 Molecule	Coding Protein	55	GC01M167399	1.36	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CD247

XYLT2	Xylosyltransferase 2	Protein Coding	53	GC17P050347	1.36	https://www.genecards.org/cgi-bin/carddisp.pl?gene=XYLT2
KPNA2	Karyopherin Subunit Alpha 2	Protein Coding	52	GC17P068035	1.36	https://www.genecards.org/cgi-bin/carddisp.pl?gene=KPNA2
CTSS	Cathepsin S	Protein Coding	52	GC01M150702	1.36	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CTSS
TRPV6	Transient Receptor Potential Cation Channel Subfamily V Member 6	Protein Coding	52	GC07M142871	1.36	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TRPV6
MSTN	Myostatin	Protein Coding	51	GC02M190055	1.36	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MSTN
B4GALT1	Beta-1,4-Galactosyltransferase 1	Protein Coding	51	GC09M033100	1.36	https://www.genecards.org/cgi-bin/carddisp.pl?gene=B4GALT1
PTH2R	Parathyroid Hormone 2 Receptor	Protein Coding	50	GC02P208359	1.36	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PTH2R
CS	Citrate Synthase	Protein Coding	50	GC12M056271	1.36	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CS
GPD1L	Glycerol-3-Phosphate Dehydrogenase 1 Like	Protein Coding	48	GC03P032123	1.36	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GPD1L
DNTT	DNA Nucleotidylexotransferase	Protein Coding	47	GC10P096304	1.36	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DNTT
CMKLR1	Chemerin Chemokine-Like Receptor 1	Protein Coding	46	GC12M108288	1.36	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CMKLR1
ADAMTS7	ADAM Metallopeptidase With Thrombospondin Type 1 Motif 7	Protein Coding	44	GC15M078759	1.36	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ADAMTS7
SLC25A27	Solute Carrier Family 25 Member 27	Protein Coding	43	GC06P046620	1.36	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SLC25A27
CYTL1	Cytokine Like 1	Protein Coding	39	GC04M005016	1.36	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CYTL1
DANCR	Differentiation Antagonizing Non-Protein Coding RNA	RNA Gene	21	GC04P052712	1.36	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DANCR
MIR483	MicroRNA 483	RNA Gene	20	GC11M002170	1.36	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR483
OAP	Osteoarthritis, Precocious	Genetic Locus	6	GC11U900760	1.36	https://www.genecards.org/cgi-

LOC106728418	LEP 5' Regulatory Region	Biological Region	3	GC07U904649	1.36	bin/carddisp.pl?gene=OAP https://www.genecards.org/cgi-bin/carddisp.pl?gene=LOC106728418
GAPDH	Glyceraldehyde-3-Phosphate Dehydrogenase	Protein Coding	54	GC12P006533	1.32	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GAPDH
AR	Androgen Receptor	Protein Coding	59	GC0XP067544	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=AR
PPP3CA	Protein Phosphatase 3 Catalytic Subunit Alpha	Protein Coding	59	GC04M101024	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PPP3CA
SRC	SRC Proto-Oncogene, Non-Receptor Tyrosine Kinase	Protein Coding	59	GC20P037344	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SRC
GSTP1	Glutathione S-Transferase Pi 1	Protein Coding	57	GC11P067583	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GSTP1
ESRRB	Estrogen Related Receptor Beta	Protein Coding	57	GC14P076310	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ESRRB
ACTG1	Actin Gamma 1	Protein Coding	57	GC17M081509	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ACTG1
JAG1	Jagged Canonical Notch Ligand 1	Protein Coding	56	GC20M010637	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=JAG1
ADRB2	Adrenoceptor Beta 2	Protein Coding	56	GC05P148825	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ADRB2
CYP2D6	Cytochrome P450 Family 2 Subfamily D Member 6	Protein Coding	55	GC22M042916	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CYP2D6
GLB1	Galactosidase Beta 1	Protein Coding	54	GC03M033013	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GLB1
ENO2	Enolase 2	Protein Coding	54	GC12P006913	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENO2
PRKAA1	Protein Kinase AMP-Activated Catalytic Subunit Alpha 1	Protein Coding	54	GC05M040759	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PRKAA1
PIK3CB	Phosphatidylinositol-4,5-Bisphosphate 3-Kinase Catalytic Subunit Beta	Protein Coding	54	GC03M138652	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PIK3CB
PDPK1	3-Phosphoinositide Dependent Protein Kinase 1	Protein Coding	54	GC16P002537	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PDPK1

CD3D	CD3d Molecule	Protein Coding	54	GC11M118338	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CD3D
HLA-A	Major Histocompatibility Complex, Class I, A	Protein Coding	53	GC06P032430	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HLA-A
KEAP1	Kelch Like ECH Associated Protein 1	Protein Coding	53	GC19M010457	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=KEAP1
FAAH	Fatty Acid Amide Hydrolase	Protein Coding	53	GC01P046394	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FAAH
BECN1	Beclin 1	Protein Coding	53	GC17M042810	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=BECN1
C5	Complement C5	Protein Coding	53	GC09M120952	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=C5
SOX2	SRY-Box 2	Protein Coding	53	GC03P181711	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SOX2
TP63	Tumor Protein P63	Protein Coding	53	GC03P189566	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TP63
HCFC1	Host Cell Factor C1	Protein Coding	52	GC0XM153947	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HCFC1
HYAL1	Hyaluronidase 1	Protein Coding	52	GC03M050299	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HYAL1
MECP2	Methyl-CpG Binding Protein 2	Protein Coding	52	GC0XM154021	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MECP2
S100B	S100 Calcium Binding Protein B	Protein Coding	52	GC21M046922	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=S100B
PKM	Pyruvate Kinase M1/2	Protein Coding	52	GC15M072199	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PKM
PDE4A	Phosphodiesterase 4A	Protein Coding	52	GC19P010392	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PDE4A
PDE5A	Phosphodiesterase 5A	Protein Coding	52	GC04M119494	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PDE5A
ULK1	Unc-51 Like Autophagy Activating Kinase 1	Protein Coding	52	GC12P131894	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ULK1
TARDBP	TAR DNA Binding Protein	Protein	52	GC01P011013	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TARDBP

LOXL2	Lysyl Oxidase Like 2	Coding Protein	51	GC08M023296	1.29	bin/carddisp.pl?gene=TARDBP https://www.genecards.org/cgi-bin/carddisp.pl?gene=LOXL2
GPX3	Glutathione Peroxidase 3	Coding Protein	51	GC05P150997	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GPX3
BRD2	Bromodomain Containing 2	Coding Protein	51	GC06P032958	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=BRD2
GANAB	Glucosidase II Alpha Subunit	Coding Protein	51	GC11M062966	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GANAB
EFEMP1	EGF Containing Fibulin Extracellular Matrix Protein 1	Coding Protein	51	GC02M055828	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=EFEMP1
DVL2	Dishevelled Segment Polarity Protein 2	Coding Protein	51	GC17M007225	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DVL2
PRKAR2B	Protein Kinase CAMP-Dependent Type II Regulatory Subunit Beta	Coding Protein	51	GC07P107044	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PRKAR2B
PTPRD	Protein Tyrosine Phosphatase Receptor Type D	Coding Protein	51	GC09M008307	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PTPRD
SULT2A1	Sulfotransferase Family 2A Member 1	Coding Protein	51	GC19M047870	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SULT2A1
NR1I3	Nuclear Receptor Subfamily 1 Group I Member 3	Coding Protein	51	GC01M161199	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NR1I3
PFKFB3	6-Phosphofructo-2-Kinase/Fructose-2,6-Biphosphatase 3	Coding Protein	51	GC10P006144	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PFKFB3
APOB	Apolipoprotein B	Coding Protein	51	GC02M020956	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=APOB
CRYAB	Crystallin Alpha B	Coding Protein	51	GC11M111908	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CRYAB
TRAF2	TNF Receptor Associated Factor 2	Coding Protein	51	GC09P136881	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TRAF2
HLA-G	Major Histocompatibility Complex, Class I, G	Coding Protein	50	GC06P032416	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HLA-G
HES1	Hes Family BHLH Transcription Factor 1	Coding Protein	50	GC03P194136	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HES1

KLF5	Kruppel Like Factor 5	Protein Coding	50	GC13P073054	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=KLF5
CALM2	Calmodulin 2	Protein Coding	50	GC02M047124	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CALM2
ACSL4	Acyl-CoA Synthetase Long Chain Family Member 4	Protein Coding	50	GC0XM109624	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ACSL4
CSPG4	Chondroitin Sulfate Proteoglycan 4	Protein Coding	50	GC15M075674	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CSPG4
DLL1	Delta Like Canonical Notch Ligand 1	Protein Coding	50	GC06M170282	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DLL1
SHMT2	Serine Hydroxymethyltransferase 2	Protein Coding	50	GC12P057229	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SHMT2
NFATC4	Nuclear Factor Of Activated T Cells 4	Protein Coding	50	GC14P024365	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NFATC4
NTN1	Netrin 1	Protein Coding	50	GC17P009021	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NTN1
OCRL	OCRL Inositol Polyphosphate-5-Phosphatase	Protein Coding	50	GC0XP129539	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=OCRL
PDGFC	Platelet Derived Growth Factor C	Protein Coding	50	GC04M156760	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PDGFC
RIPK4	Receptor Interacting Serine/Threonine Kinase 4	Protein Coding	50	GC21M041739	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RIPK4
STT3B	STT3 Oligosaccharyltransferase Complex Catalytic Subunit B	Protein Coding	50	GC03P031550	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=STT3B
HDAC7	Histone Deacetylase 7	Protein Coding	50	GC12M047782	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HDAC7
NCOR2	Nuclear Receptor Corepressor 2	Protein Coding	49	GC12M124324	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NCOR2
BAG1	BCL2 Associated Athanogene 1	Protein Coding	49	GC09M033245	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=BAG1
PRDX4	Peroxiredoxin 4	Protein Coding	49	GC0XP023592	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PRDX4
SECISBP2	SECIS Binding Protein 2	Protein	49	GC09P089318	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SECISBP2

SPHK2	Sphingosine Kinase 2	Coding Protein	49	GC19P048619	1.29	bin/carddisp.pl?gene=SECSBP2 https://www.genecards.org/cgi-bin/carddisp.pl?gene=SPHK2
LGR5	Leucine Rich Repeat Containing G Protein-Coupled Receptor 5	Coding Protein	48	GC12P071439	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LGR5
CHKA	Choline Kinase Alpha	Coding Protein	48	GC11M068052	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CHKA
EIF4G2	Eukaryotic Translation Initiation Factor 4 Gamma 2	Coding Protein	48	GC11M010775	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=EIF4G2
PREP	Prolyl Endopeptidase	Coding Protein	48	GC06M105277	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PREP
PTGES2	Prostaglandin E Synthase 2	Coding Protein	48	GC09M128120	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PTGES2
SOX6	SRY-Box 6	Coding Protein	48	GC11M015949	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SOX6
APOL1	Apolipoprotein L1	Coding Protein	48	GC22P036253	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=APOL1
CCL7	C-C Motif Chemokine Ligand 7	Coding Protein	48	GC17P034270	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CCL7
CRLF1	Cytokine Receptor Like Factor 1	Coding Protein	48	GC19M018568	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CRLF1
VPS4B	Vacuolar Protein Sorting 4 Homolog B	Coding Protein	48	GC18M063389	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=VPS4B
TAGLN	Transgelin	Coding Protein	48	GC11P117199	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TAGLN
TSPO	Translocator Protein	Coding Protein	48	GC22P043151	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TSPO
IL1RL1	Interleukin 1 Receptor Like 1	Coding Protein	47	GC02P102294	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL1RL1
HGFAC	HGF Activator	Coding Protein	47	GC04P003443	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HGFAC
LPA	Lipoprotein(A)	Coding Protein	47	GC06M160531	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LPA

FUT1	Fucosyltransferase 1 (H Blood Group)	Protein Coding	47	GC19M048748	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FUT1
NOX1	NADPH Oxidase 1	Protein Coding	47	GC0XM100843	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NOX1
SDCBP	Syndecan Binding Protein	Protein Coding	47	GC08P058539	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SDCBP
SMN1	Survival Of Motor Neuron 1, Telomeric	Protein Coding	47	GC05P070924	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SMN1
RSPO2	R-Spondin 2	Protein Coding	47	GC08M107899	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RSPO2
IL17RC	Interleukin 17 Receptor C	Protein Coding	46	GC03P009917	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL17RC
KHDRBS1	KH RNA Binding Domain Containing, Signal Transduction Associated 1	Protein Coding	46	GC01P031981	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=KHDRBS1
CHST11	Carbohydrate Sulfotransferase 11	Protein Coding	46	GC12P104455	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CHST11
ABCD2	ATP Binding Cassette Subfamily D Member 2	Protein Coding	46	GC12M039550	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ABCD2
DKK3	Dickkopf WNT Signaling Pathway Inhibitor 3	Protein Coding	46	GC11M011984	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DKK3
UNC5C	Unc-5 Netrin Receptor C	Protein Coding	46	GC04M095162	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=UNC5C
KLK11	Kallikrein Related Peptidase 11	Protein Coding	45	GC19M051023	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=KLK11
LGR4	Leucine Rich Repeat Containing G Protein-Coupled Receptor 4	Protein Coding	45	GC11M027345	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LGR4
CD160	CD160 Molecule	Protein Coding	45	GC01P145719	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CD160
BOK	BCL2 Family Apoptosis Regulator BOK	Protein Coding	45	GC02P241558	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=BOK
FIS1	Fission, Mitochondrial 1	Protein Coding	45	GC07M101239	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FIS1
OXA1L	OXA1L Mitochondrial Inner Membrane	Protein	45	GC14P022766	1.29	https://www.genecards.org/cgi-

	Protein	Coding				bin/carddisp.pl?gene=OXA1L
DPP7	Dipeptidyl Peptidase 7	Protein Coding	45	GC09M137111	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DPP7
TUFT1	Tuftelin 1	Protein Coding	45	GC01P151513	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TUFT1
UNC5B	Unc-5 Netrin Receptor B	Protein Coding	45	GC10P071212	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=UNC5B
DUSP19	Dual Specificity Phosphatase 19	Protein Coding	44	GC02P183078	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DUSP19
CCL16	C-C Motif Chemokine Ligand 16	Protein Coding	44	GC17M035976	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CCL16
TSC22D3	TSC22 Domain Family Member 3	Protein Coding	44	GC0XM107713	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TSC22D3
FOXP4	Forkhead Box P4	Protein Coding	43	GC06P043254	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FOXP4
DSTN	Destrin, Actin Depolymerizing Factor	Protein Coding	43	GC20P017550	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DSTN
EN1	Engrailed Homeobox 1	Protein Coding	43	GC02M118842	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=EN1
SPON1	Spondin 1	Protein Coding	43	GC11P013940	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SPON1
SUB1	SUB1 Regulator Of Transcription	Protein Coding	43	GC05P032533	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SUB1
NID2	Nidogen 2	Protein Coding	43	GC14M052004	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NID2
CCL22	C-C Motif Chemokine Ligand 22	Protein Coding	43	GC16P057359	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CCL22
CREB3	CAMP Responsive Element Binding Protein 3	Protein Coding	43	GC09P035722	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CREB3
MICAL3	Microtubule Associated Monooxygenase, Calponin And LIM Domain Containing 3	Protein Coding	42	GC22M017788	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MICAL3
LAG3	Lymphocyte Activating 3	Protein	42	GC12P006774	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LAG3

FUT4	Fucosyltransferase 4	Coding Protein	42	GC11P094544	1.29	bin/carddisp.pl?gene=LAG3 https://www.genecards.org/cgi-bin/carddisp.pl?gene=FUT4
CKLF	Chemokine Like Factor	Coding Protein	42	GC16P066552	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CKLF
NKX3-2	NK3 Homeobox 2	Coding Protein	42	GC04M013542	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NKX3-2
CRTAC1	Cartilage Acidic Protein 1	Coding Protein	42	GC10M097865	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CRTAC1
CCAR2	Cell Cycle And Apoptosis Regulator 2	Coding Protein	41	GC08P022604	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CCAR2
AKNA	AT-Hook Transcription Factor	Coding Protein	41	GC09M114334	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=AKNA
SHROOM1	Shroom Family Member 1	Coding Protein	41	GC05M132822	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SHROOM1
CCL14	C-C Motif Chemokine Ligand 14	Coding Protein	41	GC17M036181	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CCL14
HSH2D	Hematopoietic SH2 Domain Containing	Coding Protein	40	GC19P020571	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HSH2D
BCAP29	B Cell Receptor Associated Protein 29	Coding Protein	40	GC07P107579	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=BCAP29
FNDC5	Fibronectin Type III Domain Containing 5	Coding Protein	40	GC01M032830	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FNDC5
CILP2	Cartilage Intermediate Layer Protein 2	Coding Protein	40	GC19P019538	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CILP2
SPCS1	Signal Peptidase Complex Subunit 1	Coding Protein	40	GC03P052790	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SPCS1
RACK1	Receptor For Activated C Kinase 1	Coding Protein	40	GC05M181253	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RACK1
CCL15	C-C Motif Chemokine Ligand 15	Coding Protein	40	GC17M035996	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CCL15
TM2D3	TM2 Domain Containing 3	Coding Protein	39	GC15M101621	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TM2D3

XCL2	X-C Motif Chemokine Ligand 2	Protein Coding	35	GC01M168510	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=XCL2
MIR16-1	MicroRNA 16-1	RNA Gene	22	GC13M050048	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR16-1
MIR204	MicroRNA 204	RNA Gene	22	GC09M070809	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR204
MIR138-2	MicroRNA 138-2	RNA Gene	21	GC16P056859	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR138-2
MIR152	MicroRNA 152	RNA Gene	21	GC17M048037	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR152
MIR181C	MicroRNA 181c	RNA Gene	21	GC19P013858	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR181C
MIR200B	MicroRNA 200b	RNA Gene	21	GC01P001167	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR200B
MIR23A	MicroRNA 23a	RNA Gene	21	GC19M013954	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR23A
MIR30B	MicroRNA 30b	RNA Gene	21	GC08M134800	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR30B
MIR370	MicroRNA 370	RNA Gene	21	GC14P103664	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR370
MIR373	MicroRNA 373	RNA Gene	21	GC19P054026	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR373
MIR449A	MicroRNA 449a	RNA Gene	21	GC05M055171	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR449A
MIR138-1	MicroRNA 138-1	RNA Gene	20	GC03P044159	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR138-1
MIR9-2	MicroRNA 9-2	RNA Gene	20	GC05M088666	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR9-2
MIR9-3	MicroRNA 9-3	RNA Gene	20	GC15P089363	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR9-3
MIR22	MicroRNA 22	RNA Gene	20	GC17M001713	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR22
MIR24-2	MicroRNA 24-2	RNA Gene	20	GC19M013944	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR24-2

SNHG5	Small Nucleolar RNA Host Gene 5	RNA Gene	20	GC06M085660	1.29	bin/carddisp.pl?gene=MIR24-2 https://www.genecards.org/cgi-bin/carddisp.pl?gene=SNHG5
MIR24-1	MicroRNA 24-1	RNA Gene	19	GC09P095086	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR24-1
MIR301A	MicroRNA 301a	RNA Gene	19	GC17M059151	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR301A
MIR16-2	MicroRNA 16-2	RNA Gene	18	GC03P160418	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR16-2
MIR98	MicroRNA 98	RNA Gene	18	GC0XM053573	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR98
MIR337	MicroRNA 337	RNA Gene	18	GC14P103828	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR337
MIR33B	MicroRNA 33b	RNA Gene	18	GC17M017813	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR33B
MIR381	MicroRNA 381	RNA Gene	18	GC14P103840	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR381
MIR451A	MicroRNA 451a	RNA Gene	18	GC17M028861	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR451A
FOXD2-AS1	FOXD2 Adjacent Opposite Strand RNA 1	RNA Gene	18	GC01M047432	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FOXD2-AS1
MIR577	MicroRNA 577	RNA Gene	17	GC04P114656	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR577
MIR671	MicroRNA 671	RNA Gene	17	GC07P151238	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR671
MIR675	MicroRNA 675	RNA Gene	17	GC11M001997	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR675
MIR486-1	MicroRNA 486-1	RNA Gene	16	GC08M041660	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR486-1
MIR634	MicroRNA 634	RNA Gene	16	GC17P066787	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR634
MIR105-1	MicroRNA 105-1	RNA Gene	14	GC0XM152392	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR105-1

TP53COR1	Tumor Protein P53 Pathway Corepressor 1	RNA Gene	10	GC06U903133	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TP53COR1
HPBP	Phosphate Binding Apolipoprotein	RNA Gene	4	GC00U922525	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HPBP
LOC110283621	SPP1 5' Regulatory Region	Biological Region	3	GC04U902747	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LOC110283621
LOC112543491	Linc-UFC1	RNA Gene	3	GC01U905888	1.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LOC112543491
CEACAM8	Carcinoembryonic Antigen Related Cell Adhesion Molecule 8	Protein Coding	43	GC19M042580	1.26	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CEACAM8
LNCRNA-ATB	Long Noncoding RNA Activated By TGF-Beta	RNA Gene	4	GC14U902188	1.25	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LNCRNA-ATB
CEBPB	CCAAT Enhancer Binding Protein Beta	Protein Coding	50	GC20P050190	1.25	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CEBPB
CHUK	Component Of Inhibitor Of Nuclear Factor Kappa B Kinase Complex	Protein Coding	59	GC10M100188	1.24	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CHUK
CFLAR	CASP8 And FADD Like Apoptosis Regulator	Protein Coding	53	GC02P201117	1.24	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CFLAR
MAPK10	Mitogen-Activated Protein Kinase 10	Protein Coding	57	GC04M085990	1.21	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MAPK10
GC22M043920		RNA Gene	4	GC22M043920	1.2	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GC22M043920
EP300	E1A Binding Protein P300	Protein Coding	57	GC22P041091	1.19	https://www.genecards.org/cgi-bin/carddisp.pl?gene=EP300
ITIH1	Inter-Alpha-Trypsin Inhibitor Heavy Chain 1	Protein Coding	45	GC03P052777	1.19	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ITIH1
CEACAM4	Carcinoembryonic Antigen Related Cell Adhesion Molecule 4	Protein Coding	38	GC19M041618	1.19	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CEACAM4
TNFRSF6B	TNF Receptor Superfamily Member 6b	Protein Coding	48	GC20P063696	1.14	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TNFRSF6B
TNFSF14	TNF Superfamily Member 14	Protein Coding	46	GC19M006663	1.14	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TNFSF14
MMP10	Matrix Metallopeptidase 10	Protein	53	GC11M102770	1.13	https://www.genecards.org/cgi-

WNT7A	Wnt Family Member 7A	Coding Protein	56	GC03M014880	1.12	bin/carddisp.pl?gene=MMP10 https://www.genecards.org/cgi-bin/carddisp.pl?gene=WNT7A
LDHB	Lactate Dehydrogenase B	Coding Protein	53	GC12M021635	1.12	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LDHB
SETD2	SET Domain Containing 2, Histone Lysine Methyltransferase	Coding Protein	53	GC03M047033	1.12	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SETD2
P4HA2	Prolyl 4-Hydroxylase Subunit Alpha 2	Coding Protein	51	GC05M132191	1.12	https://www.genecards.org/cgi-bin/carddisp.pl?gene=P4HA2
TNKS	Tankyrase	Coding Protein	50	GC08P009555	1.12	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TNKS
DDIT4	DNA Damage Inducible Transcript 4	Coding Protein	49	GC10P072273	1.12	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DDIT4
P4HA1	Prolyl 4-Hydroxylase Subunit Alpha 1	Coding Protein	48	GC10M073007	1.12	https://www.genecards.org/cgi-bin/carddisp.pl?gene=P4HA1
SETD1A	SET Domain Containing 1A, Histone Lysine Methyltransferase	Coding Protein	47	GC16P030948	1.12	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SETD1A
CA10	Carbonic Anhydrase 10	Coding Protein	45	GC17M051630	1.12	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CA10
OPTC	Opticin	Coding Protein	45	GC01P203464	1.12	https://www.genecards.org/cgi-bin/carddisp.pl?gene=OPTC
HES5	Hes Family BHLH Transcription Factor 5	Coding Protein	41	GC01M002528	1.12	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HES5
BHD	Beukes Familial Hip Dysplasia	Genetic Locus	3	GC00U936447	1.12	https://www.genecards.org/cgi-bin/carddisp.pl?gene=BHD
ADAMTS1	ADAM Metallopeptidase With Thrombospondin Type 1 Motif 1	Coding Protein	50	GC21M026835	1.1	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ADAMTS1
ITGAV	Integrin Subunit Alpha V	Coding Protein	53	GC02P186589	1.09	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ITGAV
SULF1	Sulfatase 1	Coding Protein	46	GC08P069466	1.07	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SULF1
ADAM15	ADAM Metallopeptidase Domain 15	Coding Protein	46	GC01P155023	1.06	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ADAM15

HDAC1	Histone Deacetylase 1	Protein Coding	56	GC01P032260	1.06	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HDAC1
FGF18	Fibroblast Growth Factor 18	Protein Coding	48	GC05P171419	1.02	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FGF18
ABT1	Activator Of Basal Transcription 1	Protein Coding	39	GC06P027502	1.02	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ABT1
SLC2A1	Solute Carrier Family 2 Member 1	Protein Coding	58	GC01M042925	1.02	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SLC2A1
SOCS3	Suppressor Of Cytokine Signaling 3	Protein Coding	50	GC17M078356	1.02	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SOCS3
TSLP	Thymic Stromal Lymphopoietin	Protein Coding	44	GC05P111070	1.02	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TSLP
BMPR2	Bone Morphogenetic Protein Receptor Type 2	Protein Coding	56	GC02P202376	1.01	https://www.genecards.org/cgi-bin/carddisp.pl?gene=BMPR2
SFTPB	Surfactant Protein B	Protein Coding	50	GC02M085657	1.01	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SFTPB
SFTPD	Surfactant Protein D	Protein Coding	50	GC10M079937	1.01	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SFTPD
SFTPA1	Surfactant Protein A1	Protein Coding	48	GC10P082997	1.01	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SFTPA1
SFTPC	Surfactant Protein C	Protein Coding	48	GC08P022156	1.01	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SFTPC
HOTAIRM1	HOXA Transcript Antisense RNA, Myeloid-Specific 1	RNA Gene	18	GC07P027095	1.01	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HOTAIRM1
NTRK1	Neurotrophic Receptor Tyrosine Kinase 1	Protein Coding	56	GC01P156786	1	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NTRK1
S100A4	S100 Calcium Binding Protein A4	Protein Coding	50	GC01M153518	0.99	https://www.genecards.org/cgi-bin/carddisp.pl?gene=S100A4
KDR	Kinase Insert Domain Receptor	Protein Coding	60	GC04M055078	0.97	https://www.genecards.org/cgi-bin/carddisp.pl?gene=KDR
PRKCZ	Protein Kinase C Zeta	Protein Coding	55	GC01P002050	0.97	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PRKCZ
ANG	Angiogenin	Protein	51	GC14P020789	0.97	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ANG

BGN	Biglycan	Coding Protein	49	GC0XP153494	0.97	bin/carddisp.pl?gene=ANG https://www.genecards.org/cgi-bin/carddisp.pl?gene=BGN
GC	GC Vitamin D Binding Protein	Coding Protein	49	GC04M071741	0.97	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GC
JUNB	JunB Proto-Oncogene, AP-1 Transcription Factor Subunit	Coding Protein	48	GC19P012791	0.97	https://www.genecards.org/cgi-bin/carddisp.pl?gene=JUNB
TNFRSF10B	TNF Receptor Superfamily Member 10b	Coding Protein	57	GC08M023020	0.97	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TNFRSF10B
PADI2	Peptidyl Arginine Deiminase 2	Coding Protein	48	GC01M017066	0.97	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PADI2
S100A11	S100 Calcium Binding Protein A11	Coding Protein	46	GC01M152032	0.97	https://www.genecards.org/cgi-bin/carddisp.pl?gene=S100A11
RIPK2	Receptor Interacting Serine/Threonine Kinase 2	Coding Protein	53	GC08P089758	0.94	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RIPK2
BRD4	Bromodomain Containing 4	Coding Protein	51	GC19M015236	0.94	https://www.genecards.org/cgi-bin/carddisp.pl?gene=BRD4
ZFP36L1	ZFP36 Ring Finger Protein Like 1	Coding Protein	47	GC14M068787	0.94	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ZFP36L1
FFAR4	Free Fatty Acid Receptor 4	Coding Protein	43	GC10P093566	0.94	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FFAR4
XIST	X Inactive Specific Transcript	RNA Gene	25	GC0XM073820	0.94	https://www.genecards.org/cgi-bin/carddisp.pl?gene=XIST
MIR211	MicroRNA 211	RNA Gene	18	GC15M031065	0.94	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR211
PRNCR1	Prostate Cancer Associated Non-Coding RNA 1	RNA Gene	16	GC08P127079	0.94	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PRNCR1
ENO1	Enolase 1	Coding Protein	54	GC01M008861	0.93	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENO1
CD55	CD55 Molecule (Cromer Blood Group)	Coding Protein	53	GC01P207321	0.93	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CD55
MAP2K7	Mitogen-Activated Protein Kinase Kinase 7	Coding Protein	51	GC19P007903	0.93	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MAP2K7

DEFB4A	Defensin Beta 4A	Protein Coding	42	GC08P007895	0.93	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DEFB4A
ALOX5AP	Arachidonate 5-Lipoxygenase Activating Protein	Protein Coding	50	GC13P030713	0.92	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ALOX5AP
TNFSF12	TNF Superfamily Member 12	Protein Coding	46	GC17P007829	0.92	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TNFSF12
CYCS	Cytochrome C, Somatic	Protein Coding	55	GC07M025158	0.89	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CYCS
CTSG	Cathepsin G	Protein Coding	51	GC14M024573	0.89	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CTSG
CPOX	Coproporphyrinogen Oxidase	Protein Coding	51	GC03M098576	0.89	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CPOX
STAT1	Signal Transducer And Activator Of Transcription 1	Protein Coding	59	GC02M190964	0.88	https://www.genecards.org/cgi-bin/carddisp.pl?gene=STAT1
MAP3K7	Mitogen-Activated Protein Kinase Kinase 7	Protein Coding	57	GC06M090513	0.88	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MAP3K7
MAP2K3	Mitogen-Activated Protein Kinase Kinase 3	Protein Coding	56	GC17P025236	0.88	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MAP2K3
ANXA2	Annexin A2	Protein Coding	53	GC15M060347	0.88	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ANXA2
TNFSF10	TNF Superfamily Member 10	Protein Coding	53	GC03M172505	0.88	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TNFSF10
CFI	Complement Factor I	Protein Coding	52	GC04M109740	0.88	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CFI
VTN	Vitronectin	Protein Coding	50	GC17M029379	0.88	https://www.genecards.org/cgi-bin/carddisp.pl?gene=VTN
ELF3	E74 Like ETS Transcription Factor 3	Protein Coding	45	GC01P202007	0.88	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ELF3
IKBKB	Inhibitor Of Nuclear Factor Kappa B Kinase Subunit Beta	Protein Coding	59	GC08P042247	0.86	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IKBKB
F2R	Coagulation Factor II Thrombin Receptor	Protein Coding	53	GC05P076716	0.86	https://www.genecards.org/cgi-bin/carddisp.pl?gene=F2R
MIR193B	MicroRNA 193b	RNA Gene	21	GC16P014307	0.86	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR193B

MAPT	Microtubule Associated Protein Tau	Protein Coding	57	GC17P045894	0.85	bin/carddisp.pl?gene=MIR193B https://www.genecards.org/cgi-bin/carddisp.pl?gene=MAPT
PCSK9	Proprotein Convertase Subtilisin/Kexin Type 9	Protein Coding	57	GC01P055039	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PCSK9
NPM1	Nucleophosmin 1	Protein Coding	56	GC05P171387	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NPM1
NF1	Neurofibromin 1	Protein Coding	54	GC17P031045	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NF1
RPS19	Ribosomal Protein S19	Protein Coding	54	GC19P041859	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RPS19
CSK	C-Terminal Src Kinase	Protein Coding	54	GC15P074782	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CSK
USP8	Ubiquitin Specific Peptidase 8	Protein Coding	54	GC15P050424	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=USP8
KAT5	Lysine Acetyltransferase 5	Protein Coding	53	GC11P065711	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=KAT5
LCT	Lactase	Protein Coding	51	GC02M135787	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LCT
HERC2	HECT And RLD Domain Containing E3 Ubiquitin Protein Ligase 2	Protein Coding	51	GC15M028111	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HERC2
GPD2	Glycerol-3-Phosphate Dehydrogenase 2	Protein Coding	51	GC02P156435	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GPD2
AP3B1	Adaptor Related Protein Complex 3 Subunit Beta 1	Protein Coding	51	GC05M078000	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=AP3B1
HTT	Huntingtin	Protein Coding	50	GC04P003041	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HTT
ITPKC	Inositol-Trisphosphate 3-Kinase C	Protein Coding	50	GC19P040718	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ITPKC
EIF2B1	Eukaryotic Translation Initiation Factor 2B Subunit Alpha	Protein Coding	50	GC12M123620	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=EIF2B1
ATP6V0A2	ATPase H+ Transporting V0 Subunit A2	Protein Coding	50	GC12P123712	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ATP6V0A2

ADD1	Adducin 1	Protein Coding	50	GC04P002859	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ADD1
SOCS2	Suppressor Of Cytokine Signaling 2	Protein Coding	50	GC12P093569	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SOCS2
CRADD	CASP2 And RIPK1 Domain Containing Adaptor With Death Domain	Protein Coding	50	GC12P093677	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CRADD
TBX2	T-Box 2	Protein Coding	50	GC17P061399	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TBX2
PLEC	Plectin	Protein Coding	49	GC08M143916	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PLEC
MMP24	Matrix Metalloproteinase 24	Protein Coding	49	GC20P035226	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MMP24
PAX7	Paired Box 7	Protein Coding	49	GC01P018631	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PAX7
GRK4	G Protein-Coupled Receptor Kinase 4	Protein Coding	48	GC04P002967	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GRK4
HIST1H1E	Histone Cluster 1 H1 Family Member E	Protein Coding	48	GC06P026156	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HIST1H1E
JPH3	Junctophilin 3	Protein Coding	48	GC16P087636	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=JPH3
ITIH4	Inter-Alpha-Trypsin Inhibitor Heavy Chain 4	Protein Coding	48	GC03M052812	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ITIH4
LTBP3	Latent Transforming Growth Factor Beta Binding Protein 3	Protein Coding	48	GC11M065538	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LTBP3
BIRC6	Baculoviral IAP Repeat Containing 6	Protein Coding	48	GC02P032357	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=BIRC6
GAK	Cyclin G Associated Kinase	Protein Coding	48	GC04M000849	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GAK
ANXA3	Annexin A3	Protein Coding	48	GC04P078551	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ANXA3
EEF1D	Eukaryotic Translation Elongation Factor 1 Delta	Protein Coding	48	GC08M143579	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=EEF1D
DPEP1	Dipeptidase 1	Protein	48	GC16P089613	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DPEP1

SLC30A10	Solute Carrier Family 30 Member 10	Coding Protein	48	GC01M219685	0.85	bin/carddisp.pl?gene=DPEP1 https://www.genecards.org/cgi-bin/carddisp.pl?gene=SLC30A10
SLC39A4	Solute Carrier Family 39 Member 4	Coding Protein	48	GC08M144409	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SLC39A4
SPTBN2	Spectrin Beta, Non-Erythrocytic 2	Coding Protein	48	GC11M066702	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SPTBN2
SH3BP2	SH3 Domain Binding Protein 2	Coding Protein	48	GC04P002794	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SH3BP2
NFAT5	Nuclear Factor Of Activated T Cells 5	Coding Protein	48	GC16P069599	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NFAT5
RASGRP3	RAS Guanyl Releasing Protein 3	Coding Protein	48	GC02P033436	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RASGRP3
PTPRG	Protein Tyrosine Phosphatase Receptor Type G	Coding Protein	48	GC03P061522	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PTPRG
TBX4	T-Box 4	Coding Protein	48	GC17P061451	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TBX4
TACC3	Transforming Acidic Coiled-Coil Containing Protein 3	Coding Protein	48	GC04P001723	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TACC3
MAGI1	Membrane Associated Guanylate Kinase, WW And PDZ Domain Containing 1	Coding Protein	47	GC03M065318	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MAGI1
COL27A1	Collagen Type XXVII Alpha 1 Chain	Coding Protein	47	GC09P114454	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=COL27A1
SCRIB	Scribble Planar Cell Polarity Protein	Coding Protein	47	GC08M143791	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SCRIB
SHARPIN	SHANK Associated RH Domain Interactor	Coding Protein	47	GC08M144098	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SHARPIN
NISCH	Nischarin	Coding Protein	47	GC03P052489	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NISCH
PUF60	Poly(U) Binding Splicing Factor 60	Coding Protein	47	GC08M143816	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PUF60
CYP2A13	Cytochrome P450 Family 2 Subfamily A	Protein	47	GC19P041088	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CYP2A13

HLA-DPA1	Member 13 Major Histocompatibility Complex, Class II, DP Alpha 1	Coding Protein Coding	46	GC06M033032	0.85	bin/carddisp.pl?gene=CYP2A13 https://www.genecards.org/cgi-bin/carddisp.pl?gene=HLA-DPA1
HIST1H1C	Histone Cluster 1 H1 Family Member C	Protein Coding	46	GC06M026055	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HIST1H1C
CEACAM3	Carcinoembryonic Antigen Related Cell Adhesion Molecule 3	Protein Coding	46	GC19P041796	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CEACAM3
AAGAB	Alpha And Gamma Adaptin Binding Protein	Protein Coding	46	GC15M067200	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=AAGAB
ABCB9	ATP Binding Cassette Subfamily B Member 9	Protein Coding	46	GC12M122920	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ABCB9
B9D2	B9 Domain Containing 2	Protein Coding	46	GC19M041354	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=B9D2
DDX10	DEAD-Box Helicase 10	Protein Coding	46	GC11P108569	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DDX10
AGAP1	ArfGAP With GTPase Domain, Ankyrin Repeat And PH Domain 1	Protein Coding	46	GC02P235494	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=AGAP1
AP3D1	Adaptor Related Protein Complex 3 Subunit Delta 1	Protein Coding	46	GC19M002101	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=AP3D1
EIF6	Eukaryotic Translation Initiation Factor 6	Protein Coding	46	GC20M035278	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=EIF6
DYNC111	Dynein Cytoplasmic 1 Intermediate Chain 1	Protein Coding	46	GC07P095772	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DYNC111
POLA2	DNA Polymerase Alpha 2, Accessory Subunit	Protein Coding	46	GC11P065279	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=POLA2
PRDM2	PR/SET Domain 2	Protein Coding	46	GC01P013776	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PRDM2
SART1	Spliceosome Associated Factor 1, Recruiter Of U4/U6.U5 Tri-SnRNP	Protein Coding	46	GC11P065979	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SART1
SLC44A2	Solute Carrier Family 44 Member 2	Protein Coding	46	GC19P010575	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SLC44A2
NEK4	NIMA Related Kinase 4	Protein Coding	46	GC03M052744	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NEK4

RPGRIP1L	RPGRIP1 Like	Protein Coding	46	GC16M053597	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RPGRIP1L
SNRPA	Small Nuclear Ribonucleoprotein Polypeptide A	Protein Coding	46	GC19P040750	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SNRPA
SMG6	SMG6 Nonsense Mediated MRNA Decay Factor	Protein Coding	46	GC17M002059	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SMG6
NCOA6	Nuclear Receptor Coactivator 6	Protein Coding	45	GC20M034696	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NCOA6
KCNIP4	Potassium Voltage-Gated Channel Interacting Protein 4	Protein Coding	45	GC04M020814	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=KCNIP4
CEP250	Centrosomal Protein 250	Protein Coding	45	GC20P035455	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CEP250
BMP2K	BMP2 Inducible Kinase	Protein Coding	45	GC04P078776	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=BMP2K
CPNE1	Copine 1	Protein Coding	45	GC20M035626	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CPNE1
RFT1	RFT1 Homolog	Protein Coding	45	GC03M053122	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RFT1
RNASEH2C	Ribonuclease H2 Subunit C	Protein Coding	45	GC11M065714	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RNASEH2C
RNF4	Ring Finger Protein 4	Protein Coding	45	GC04P002462	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RNF4
TCTN2	Tectonic Family Member 2	Protein Coding	45	GC12P123671	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TCTN2
GGT7	Gamma-Glutamyltransferase 7	Protein Coding	44	GC20M034844	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GGT7
HIST1H1D	Histone Cluster 1 H1 Family Member D	Protein Coding	44	GC06M026234	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HIST1H1D
NCAM2	Neural Cell Adhesion Molecule 2	Protein Coding	44	GC21P020998	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NCAM2
MAT2B	Methionine Adenosyltransferase 2B	Protein Coding	44	GC05P163523	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MAT2B
EDEM2	ER Degradation Enhancing Alpha-	Protein	44	GC20M035115	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=EDEM2

	Mannosidase Like Protein 2	Coding				bin/carddisp.pl?gene=EDEM2
SF1	Splicing Factor 1	Protein Coding	44	GC11M064764	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SF1
SF3B2	Splicing Factor 3b Subunit 2	Protein Coding	44	GC11P066050	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SF3B2
TNIP2	TNFAIP3 Interacting Protein 2	Protein Coding	44	GC04M002741	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TNIP2
HNRNPUL1	Heterogeneous Nuclear Ribonucleoprotein U Like 1	Protein Coding	43	GC19P041262	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HNRNPUL1
HIST1H2AB	Histone Cluster 1 H2A Family Member B	Protein Coding	43	GC06M026033	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HIST1H2AB
MRPL11	Mitochondrial Ribosomal Protein L11	Protein Coding	43	GC11M066452	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MRPL11
MAF1	MAF1 Homolog, Negative Regulator Of RNA Polymerase III	Protein Coding	43	GC08P144106	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MAF1
CDK2AP1	Cyclin Dependent Kinase 2 Associated Protein 1	Protein Coding	43	GC12M123260	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CDK2AP1
EYA2	EYA Transcriptional Coactivator And Phosphatase 2	Protein Coding	43	GC20P046894	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=EYA2
EXOSC4	Exosome Component 4	Protein Coding	43	GC08P144079	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=EXOSC4
BTN2A1	Butyrophilin Subfamily 2 Member A1	Protein Coding	43	GC06P026457	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=BTN2A1
BTN2A2	Butyrophilin Subfamily 2 Member A2	Protein Coding	43	GC06P026382	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=BTN2A2
BTN3A1	Butyrophilin Subfamily 3 Member A1	Protein Coding	43	GC06P026402	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=BTN3A1
FRMD4A	FERM Domain Containing 4A	Protein Coding	43	GC10M013685	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FRMD4A
CPSF6	Cleavage And Polyadenylation Specific Factor 6	Protein Coding	43	GC12P069239	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CPSF6
ANKRD6	Ankyrin Repeat Domain 6	Protein Coding	43	GC06P089433	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ANKRD6

DLGAP2	DLG Associated Protein 2	Protein Coding	43	GC08P000739	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DLGAP2
SENP6	SUMO Specific Peptidase 6	Protein Coding	43	GC06P075601	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SENP6
NDST4	N-Deacetylase And N-Sulfotransferase 4	Protein Coding	43	GC04M114827	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NDST4
RBM39	RNA Binding Motif Protein 39	Protein Coding	43	GC20M035703	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RBM39
RPL29	Ribosomal Protein L29	Protein Coding	43	GC03M052029	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RPL29
TIPIN	TIMELESS Interacting Protein	Protein Coding	43	GC15M066336	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TIPIN
KNTC1	Kinetochores Associated 1	Protein Coding	42	GC12P122527	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=KNTC1
HIST1H2BC	Histone Cluster 1 H2B Family Member C	Protein Coding	42	GC06M026778	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HIST1H2BC
HIST1H2BH	Histone Cluster 1 H2B Family Member H	Protein Coding	42	GC06P026251	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HIST1H2BH
HIST1H3C	Histone Cluster 1 H3 Family Member C	Protein Coding	42	GC06P026062	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HIST1H3C
ISLR2	Immunoglobulin Superfamily Containing Leucine Rich Repeat 2	Protein Coding	42	GC15P074100	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ISLR2
KIAA1217	KIAA1217	Protein Coding	42	GC10P023645	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=KIAA1217
LRIG3	Leucine Rich Repeats And Immunoglobulin Like Domains 3	Protein Coding	42	GC12M058872	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LRIG3
LYPLAL1	Lysophospholipase Like 1	Protein Coding	42	GC01P219173	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LYPLAL1
BTN3A2	Butyrophilin Subfamily 3 Member A2	Protein Coding	42	GC06P026365	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=BTN3A2
ATG2A	Autophagy Related 2A	Protein Coding	42	GC11M064978	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ATG2A
FOXO1	Forkhead Box L1	Protein	42	GC16P086576	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FOXO1

CLDN23	Claudin 23	Coding Protein	42	GC08P008701	0.85	bin/carddisp.pl?gene=FOXL1 https://www.genecards.org/cgi-bin/carddisp.pl?gene=CLDN23
DDX55	DEAD-Box Helicase 55	Coding Protein	42	GC12P123602	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DDX55
COLGALT2	Collagen Beta(1-O)Galactosyltransferase 2	Coding Protein	42	GC01M183899	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=COLGALT2
SLBP	Stem-Loop Binding Protein	Coding Protein	42	GC04M001692	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SLBP
NELFA	Negative Elongation Factor Complex Member A	Coding Protein	42	GC04M001985	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NELFA
RAPH1	Ras Association (RalGDS/AF-6) And Pleckstrin Homology Domains 1	Coding Protein	42	GC02M203394	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RAPH1
PPM1H	Protein Phosphatase, Mg ²⁺ /Mn ²⁺ Dependent 1H	Coding Protein	42	GC12M062643	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PPM1H
RPRD2	Regulation Of Nuclear Pre-mRNA Domain Containing 2	Coding Protein	42	GC01P150335	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RPRD2
PARP10	Poly(ADP-Ribose) Polymerase Family Member 10	Coding Protein	42	GC08M143977	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PARP10
TAS1R2	Taste 1 Receptor Member 2	Coding Protein	42	GC01M018839	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TAS1R2
ZFYVE28	Zinc Finger FYVE-Type Containing 28	Coding Protein	42	GC04M002275	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ZFYVE28
LMAN1L	Lectin, Mannose Binding 1 Like	Coding Protein	41	GC15P074812	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LMAN1L
HIST1H2AC	Histone Cluster 1 H2A Family Member C	Coding Protein	41	GC06P027422	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HIST1H2AC
HIST1H4A	Histone Cluster 1 H4 Family Member A	Coding Protein	41	GC06P026021	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HIST1H4A
HIST1H4B	Histone Cluster 1 H4 Family Member B	Coding Protein	41	GC06M026027	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HIST1H4B
HIST1H4H	Histone Cluster 1 H4 Family Member H	Coding Protein	41	GC06M026785	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HIST1H4H

ISLR	Immunoglobulin Superfamily Containing Leucine Rich Repeat	Protein Coding	41	GC15P074173	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ISLR
KIF26B	Kinesin Family Member 26B	Protein Coding	41	GC01P245154	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=KIF26B
BBX	BBX High Mobility Group Box Domain Containing	Protein Coding	41	GC03P107522	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=BBX
AAR2	AAR2 Splicing Factor	Protein Coding	41	GC20P036236	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=AAR2
FILIP1	Filamin A Interacting Protein 1	Protein Coding	41	GC06M075291	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FILIP1
POGK	Pogo Transposable Element Derived With KRAB Domain	Protein Coding	41	GC01P166809	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=POGK
MOB3B	MOB Kinase Activator 3B	Protein Coding	41	GC09M027316	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MOB3B
SNX32	Sorting Nexin 32	Protein Coding	41	GC11P065833	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SNX32
RBM6	RNA Binding Motif Protein 6	Protein Coding	41	GC03P049952	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RBM6
RBM12	RNA Binding Motif Protein 12	Protein Coding	41	GC20M035648	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RBM12
VPS51	VPS51 Subunit Of GARP Complex	Protein Coding	41	GC11P065089	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=VPS51
ZNF526	Zinc Finger Protein 526	Protein Coding	41	GC19P042220	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ZNF526
ZWILCH	Zwilch Kinetochore Protein	Protein Coding	41	GC15P066504	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ZWILCH
HECW1	HECT, C2 And WW Domain Containing E3 Ubiquitin Protein Ligase 1	Protein Coding	40	GC07P043112	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HECW1
HIST1H2AE	Histone Cluster 1 H2A Family Member E	Protein Coding	40	GC06P027436	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HIST1H2AE
HIST1H3F	Histone Cluster 1 H3 Family Member F	Protein Coding	40	GC06M026250	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HIST1H3F
HIST1H4F	Histone Cluster 1 H4 Family Member F	Protein	40	GC06P026240	0.85	https://www.genecards.org/cgi-

KIF12	Kinesin Family Member 12	Coding Protein Coding	40	GC09M114086	0.85	bin/carddisp.pl?gene=HIST1H4F https://www.genecards.org/cgi-bin/carddisp.pl?gene=KIF12
LRRN1	Leucine Rich Repeat Neuronal 1	Protein Coding	40	GC03P003799	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LRRN1
ERGIC3	ERGIC And Golgi 3	Protein Coding	40	GC20P035542	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ERGIC3
EPPK1	Epiplakin 1	Protein Coding	40	GC08M143857	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=EPPK1
BTN3A3	Butyrophilin Subfamily 3 Member A3	Protein Coding	40	GC06P027452	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=BTN3A3
C11orf80	Chromosome 11 Open Reading Frame 80	Protein Coding	40	GC11P066744	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=C11orf80
ANAPC4	Anaphase Promoting Complex Subunit 4	Protein Coding	40	GC04P025379	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ANAPC4
FSTL5	Follistatin Like 5	Protein Coding	40	GC04M161383	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FSTL5
GALNT18	Polypeptide N-Acetylgalactosaminyltransferase 18	Protein Coding	40	GC11M011293	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GALNT18
ABHD14B	Abhydrolase Domain Containing 14B	Protein Coding	40	GC03M052003	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ABHD14B
CCDC33	Coiled-Coil Domain Containing 33	Protein Coding	40	GC15P074217	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CCDC33
SBNO1	Strawberry Notch Homolog 1	Protein Coding	40	GC12M123289	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SBNO1
SRBD1	S1 RNA Binding Domain 1	Protein Coding	40	GC02M045354	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SRBD1
RWDD2B	RWD Domain Containing 2B	Protein Coding	40	GC21M029004	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RWDD2B
RRP9	Ribosomal RNA Processing 9, U3 Small Nucleolar RNA Binding Protein	Protein Coding	40	GC03M051943	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RRP9
NT5DC2	5'-Nucleotidase Domain Containing 2	Protein Coding	40	GC03M052534	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NT5DC2

TTLL12	Tubulin Tyrosine Ligase Like 12	Protein Coding	40	GC22M043542	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TTLL12
THSD7B	Thrombospondin Type 1 Domain Containing 7B	Protein Coding	40	GC02P136765	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=THSD7B
TMEM91	Transmembrane Protein 91	Protein Coding	40	GC19P041351	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TMEM91
ZCCHC8	Zinc Finger CCHC-Type Containing 8	Protein Coding	40	GC12M122472	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ZCCHC8
ZFPL1	Zinc Finger Protein Like 1	Protein Coding	40	GC11P065084	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ZFPL1
HIST1H4E	Histone Cluster 1 H4 Family Member E	Protein Coding	39	GC06P026204	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HIST1H4E
MLXIP	MLX Interacting Protein	Protein Coding	39	GC12P122078	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MLXIP
MPHOSPH9	M-Phase Phosphoprotein 9	Protein Coding	39	GC12M123153	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MPHOSPH9
IZUMO4	IZUMO Family Member 4	Protein Coding	39	GC19P002096	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IZUMO4
IQCH	IQ Motif Containing H	Protein Coding	39	GC15P067254	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IQCH
FRMD8	FERM Domain Containing 8	Protein Coding	39	GC11P065386	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FRMD8
POLR2M	RNA Polymerase II Subunit M	Protein Coding	39	GC15P057706	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=POLR2M
SPATC1	Spermatogenesis And Centriole Associated 1	Protein Coding	39	GC08P144012	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SPATC1
NRBP2	Nuclear Receptor Binding Protein 2	Protein Coding	39	GC08M143832	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NRBP2
NKAIN1	Sodium/Potassium Transporting ATPase Interacting 1	Protein Coding	39	GC01M031179	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NKAIN1
TSKU	Tsukushi, Small Leucine Rich Proteoglycan	Protein Coding	39	GC11P076782	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TSKU
ZC3H3	Zinc Finger CCCH-Type Containing 3	Protein	39	GC08M143437	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ZC3H3

YIPF4	Yip1 Domain Family Member 4	Coding Protein	39	GC02P032242	0.85	bin/carddisp.pl?gene=ZC3H3
HAUS3	HAUS Augmin Like Complex Subunit 3	Coding Protein	38	GC04M002227	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=YIPF4
CEACAM21	Carcinoembryonic Antigen Related Cell Adhesion Molecule 21	Coding Protein	38	GC19P041550	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HAUS3
EIF1AD	Eukaryotic Translation Initiation Factor 1A Domain Containing	Coding Protein	38	GC11M065996	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CEACAM21
FAM83C	Family With Sequence Similarity 83 Member C	Coding Protein	38	GC20M035285	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=EIF1AD
FAM98A	Family With Sequence Similarity 98 Member A	Coding Protein	38	GC02M033583	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FAM83C
BTNL8	Butyrophilin Like 8	Coding Protein	38	GC05P181111	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FAM98A
DCDC1	Doublecortin Domain Containing 1	Coding Protein	38	GC11M030851	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=BTNL8
TTC27	Tetratricopeptide Repeat Domain 27	Coding Protein	38	GC02P032628	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DCDC1
TENM2	Teneurin Transmembrane Protein 2	Coding Protein	38	GC05P166979	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TTC27
ZNF574	Zinc Finger Protein 574	Coding Protein	38	GC19P042068	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TENM2
GSDMC	Gasdermin C	Coding Protein	37	GC08M129748	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ZNF574
KAZN	Kazrin, Periplakin Interacting Protein	Coding Protein	37	GC01P013893	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GSDMC
KLHL42	Kelch Like Family Member 42	Coding Protein	37	GC12P027780	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=KAZN
KIAA1755	KIAA1755	Coding Protein	37	GC20M038210	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=KLHL42
FAM193A	Family With Sequence Similarity 193 Member A	Coding Protein	37	GC04P002536	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=KIAA1755
						https://www.genecards.org/cgi-bin/carddisp.pl?gene=FAM193A

FAM53A	Family With Sequence Similarity 53 Member A	Protein Coding	37	GC04M001610	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FAM53A
CCDC97	Coiled-Coil Domain Containing 97	Protein Coding	37	GC19P041310	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CCDC97
RSRC2	Arginine And Serine Rich Coiled-Coil 2	Protein Coding	37	GC12M122503	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RSRC2
TMEM241	Transmembrane Protein 241	Protein Coding	37	GC18M023197	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TMEM241
ZBED5	Zinc Finger BED-Type Containing 5	Protein Coding	37	GC11M010847	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ZBED5
HMGNA4	High Mobility Group Nucleosomal Binding Domain 4	Protein Coding	36	GC06P026538	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HMGNA4
LURAP1L	Leucine Rich Adaptor Protein 1 Like	Protein Coding	36	GC09P012775	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LURAP1L
CNBD2	Cyclic Nucleotide Binding Domain Containing 2	Protein Coding	36	GC20P035954	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CNBD2
BRINP1	BMP/Retinoic Acid Inducible Neural Specific 1	Protein Coding	35	GC09M119153	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=BRINP1
C17orf82	Chromosome 17 Open Reading Frame 82	RNA Gene	35	GC17P061411	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=C17orf82
TMEM129	Transmembrane Protein 129	Protein Coding	35	GC04M001715	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TMEM129
LSMEM1	Leucine Rich Single-Pass Membrane Protein 1	Protein Coding	34	GC07P112480	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LSMEM1
EQTN	Equatorin	Protein Coding	34	GC09M027284	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=EQTN
C8orf82	Chromosome 8 Open Reading Frame 82	Protein Coding	34	GC08M144525	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=C8orf82
C11orf87	Chromosome 11 Open Reading Frame 87	Protein Coding	34	GC11P109421	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=C11orf87
1-12 月	Deleted In Esophageal Cancer 1	RNA Gene	34	GC09P114985	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DEC1
CRIPAK	Cysteine Rich PAK1 Inhibitor	Protein	34	GC04P001348	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CRIPAK

ZNF345	Zinc Finger Protein 345	Coding Protein	34	GC19P036850	0.85	bin/carddisp.pl?gene=CRIPAK https://www.genecards.org/cgi-bin/carddisp.pl?gene=ZNF345
PLPP6	Phospholipid Phosphatase 6	Coding Protein	33	GC09P004663	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PLPP6
TMEM61	Transmembrane Protein 61	Coding Protein	32	GC01P054980	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TMEM61
MS4A13	Membrane Spanning 4-Domains A13	Coding Protein	31	GC11P060515	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MS4A13
C16orf95	Chromosome 16 Open Reading Frame 95	Coding Protein	31	GC16M087119	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=C16orf95
SMIM4	Small Integral Membrane Protein 4	Coding Protein	31	GC03P052534	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SMIM4
ZNRD2	Zinc Ribbon Domain Containing 2	Coding Protein	31	GC11P065575	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ZNRD2
MANSC4	MANSC Domain Containing 4	Coding Protein	30	GC12M027762	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MANSC4
MINAR1	Membrane Integral NOTCH2 Associated Receptor 1	Coding Protein	29	GC15P079414	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MINAR1
BTN2A3P	Butyrophilin Subfamily 2 Member A3, Pseudogene	Pseudogene	29	GC06P027451	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=BTN2A3P
CCDC26	CCDC26 Long Non-Coding RNA	RNA Gene	29	GC08M128636	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CCDC26
RFLNA	Refilin A	Coding Protein	29	GC12P123979	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RFLNA
PCNX3	Pecanex 3	Coding Protein	29	GC11P065615	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PCNX3
GDF5OS	Growth Differentiation Factor 5 Opposite Strand	Coding Protein	25	GC20P035433	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GDF5OS
LINC00114	Long Intergenic Non-Protein Coding RNA 114	RNA Gene	25	GC21M038738	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LINC00114
SMIM23	Small Integral Membrane Protein 23	Coding Protein	25	GC05P171785	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SMIM23

LINC01006	Long Intergenic Non-Protein Coding RNA 1006	RNA Gene	21	GC07M156388	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LINC01006
GUSBP2	GUSB Pseudogene 2	Pseudogene	20	GC06M026842	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GUSBP2
MIR661	MicroRNA 661	RNA Gene	20	GC08M143945	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR661
HCG11	HLA Complex Group 11	RNA Gene	18	GC06P027459	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HCG11
LINC01088	Long Intergenic Non-Protein Coding RNA 1088	RNA Gene	17	GC04P078971	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LINC01088
CTBP1-DT	CTBP1 Divergent Transcript	RNA Gene	17	GC04P001250	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CTBP1-DT
NOP14-AS1	NOP14 Antisense RNA 1	RNA Gene	17	GC04P002936	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NOP14-AS1
SAMMSON	Survival Associated Mitochondrial Melanoma Specific Oncogenic Non-Coding RNA	RNA Gene	17	GC03P069999	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SAMMSON
SNORD16	Small Nucleolar RNA, C/D Box 16	RNA Gene	17	GC15M066545	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SNORD16
ZC3H11B	Zinc Finger CCCH-Type Containing 11B	Protein Coding	17	GC01M219607	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ZC3H11B
NR2F2-AS1	NR2F2 Antisense RNA 1	RNA Gene	16	GC15M096110	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NR2F2-AS1
ILF3-DT	ILF3 Divergent Transcript	RNA Gene	15	GC19M010660	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ILF3-DT
MIR1289-1	MicroRNA 1289-1	RNA Gene	15	GC20M035453	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR1289-1
IQCH-AS1	IQCH Antisense RNA 1	RNA Gene	15	GC15M067403	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IQCH-AS1
LINC00977	Long Intergenic Non-Protein Coding RNA 977	RNA Gene	15	GC08M128635	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LINC00977
LINC01094	Long Intergenic Non-Protein Coding RNA 1094	RNA Gene	15	GC04P078645	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LINC01094

MMP24OS	MMP24 Opposite Strand	Protein Coding	15	GC20M035202	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MMP24OS
MDFIC2	MyoD Family Inhibitor Domain Containing 2	Protein Coding	14	GC03M070197	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MDFIC2
LINC01507	Long Intergenic Non-Protein Coding RNA 1507	RNA Gene	14	GC09P079824	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LINC01507
FAM83C-AS1	FAM83C Antisense RNA 1	RNA Gene	14	GC20P035285	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FAM83C-AS1
GARS-DT	GARS Divergent Transcript	RNA Gene	14	GC07M030517	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GARS-DT
DUBR	DPPA2 Upstream Binding RNA	RNA Gene	14	GC03P107242	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DUBR
TGFA-IT1	TGFA Intronic Transcript 1	RNA Gene	13	GC02M070468	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TGFA-IT1
LSP1P3	LSP1 Pseudogene 3	Pseudogene	12	GC05P028992	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LSP1P3
ASTN2-AS1	ASTN2 Antisense RNA 1	RNA Gene	12	GC09P116515	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ASTN2-AS1
HLA-DPA2	Major Histocompatibility Complex, Class II, DP Alpha 2 (Pseudogene)	Pseudogene	11	GC06M033059	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HLA-DPA2
HIST1H2APS5	Histone Cluster 1 H2A Pseudogene 5	Pseudogene	11	GC06P026090	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HIST1H2APS5
LINC00976	Long Intergenic Non-Protein Coding RNA 976	RNA Gene	11	GC08M128634	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LINC00976
LINC02388	Long Intergenic Non-Protein Coding RNA 2388	RNA Gene	11	GC12M058566	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LINC02388
LINC01574	Long Intergenic Non-Protein Coding RNA 1574	RNA Gene	11	GC05P176743	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LINC01574
HOMER3-AS1	HOMER3 Antisense RNA 1	RNA Gene	10	GC19P020680	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HOMER3-AS1
MTND4P14	MT-ND4 Pseudogene 14	Pseudogene	10	GC09P005564	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MTND4P14
MPPED2-AS1	MPPED2 Antisense RNA 1	RNA Gene	10	GC11P030585	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MPPED2-AS1

KIF26B-AS1	KIF26B Antisense RNA 1	RNA Gene	10	GC01M245208	0.85	bin/carddisp.pl?gene=MPPED2-AS1 https://www.genecards.org/cgi-bin/carddisp.pl?gene=KIF26B-AS1
LYPLAL1-AS1	LYPLAL1 Antisense RNA 1	RNA Gene	10	GC01M219411	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LYPLAL1-AS1
LINC01754	Long Intergenic Non-Protein Coding RNA 1754	RNA Gene	10	GC20M047384	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LINC01754
LINC01338	Long Intergenic Non-Protein Coding RNA 1338	RNA Gene	10	GC05M082850	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LINC01338
ENSG00000255224		RNA Gene	10	GC08M144078	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000255224
ENSG00000255730		Protein Coding	10	GC19P041350	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000255730
NPM1P14	Nucleophosmin 1 Pseudogene 14	Pseudogene	10	GC07P112520	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NPM1P14
SBNO1-AS1	SBNO1 Antisense RNA 1	RNA Gene	10	GC12P123365	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SBNO1-AS1
RPL35AP	Ribosomal Protein L35a Pseudogene	Pseudogene	10	GC20M047478	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RPL35AP
RNA5SP301	RNA, 5S Ribosomal Pseudogene 301	Pseudogene	10	GC10P013772	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RNA5SP301
RPL26P20	Ribosomal Protein L26 Pseudogene 20	Pseudogene	10	GC06P075499	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RPL26P20
ROCR	Regulator Of Chondrogenesis RNA	RNA Gene	10	GC17M072023	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ROCR
LINC02234	Long Intergenic Non-Protein Coding RNA 2234	RNA Gene	9	GC05P097882	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LINC02234
LINC02399	Long Intergenic Non-Protein Coding RNA 2399	RNA Gene	9	GC12P089949	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LINC02399
SOD2P1	Superoxide Dismutase 2 Pseudogene 1	Pseudogene	9	GC01M103100	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SOD2P1
NUDT19P4	Nudix Hydrolase 19 Pseudogene 4	Pseudogene	9	GC06P045113	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NUDT19P4

RNA5SP349	RNA, 5S Ribosomal Pseudogene 349	Pseudogene	9	GC11M109120	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RNA5SP349
RN7SL178P	RNA, 7SL, Cytoplasmic 178, Pseudogene	Pseudogene	9	GC08M008582	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RN7SL178P
NPAP1P4	Nuclear Pore Associated Protein 1 Pseudogene 4	Pseudogene	9	GC09M080357	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NPAP1P4
TPT1P9	Tumor Protein, Translationally-Controlled 1 Pseudogene 9	Pseudogene	9	GC09M118082	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TPT1P9
LOC101927447	Uncharacterized LOC101927447	RNA Gene	9	GC22P043275	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LOC101927447
MRPS33P3	Mitochondrial Ribosomal Protein S33 Pseudogene 3	Pseudogene	8	GC04P115143	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MRPS33P3
LINC02103	Long Intergenic Non-Protein Coding RNA 2103	RNA Gene	8	GC05M028287	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LINC02103
LINC02742	Long Intergenic Non-Protein Coding RNA 2742	RNA Gene	8	GC11P028903	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LINC02742
LINC02752	Long Intergenic Non-Protein Coding RNA 2752	RNA Gene	8	GC11P011074	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LINC02752
BRWD1P2	Bromodomain And WD Repeat Domain Containing 1 Pseudogene 2	Pseudogene	8	GC12M089919	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=BRWD1P2
ENSG00000200998		RNA Gene	8	GC04M078632	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000200998
ENSG00000207189		RNA Gene	8	GC12M123348	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000207189
ENSG00000255038		RNA Gene	8	GC11M066067	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000255038
PPIAP1	Peptidylprolyl Isomerase A Pseudogene 1	Pseudogene	8	GC21M020827	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PPIAP1
MARK2P15	Microtubule Affinity Regulating Kinase 2 Pseudogene 15	Pseudogene	7	GC10M083311	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MARK2P15
LINC02680	Long Intergenic Non-Protein Coding RNA 2680	RNA Gene	7	GC10P027568	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LINC02680
ENSG00000173727		Pseudogene	7	GC11P065547	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000173727

ENSG00000207009		RNA Gene	7	GC04M001723	0.85	bin/carddisp.pl?gene=ENSG00000173727 https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000207009
CNN2P10	Calponin 2 Pseudogene 10	Pseudogene	7	GC01P166796	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CNN2P10
ENSG00000279093		Uncategorized	7	GC11P065561	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000279093
ENSG00000249592		RNA Gene	7	GC04M000757	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000249592
ENSG00000254094		RNA Gene	7	GC04P001356	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000254094
ENSG00000254614		RNA Gene	7	GC11M065180	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000254614
ENSG00000254855		RNA Gene	7	GC11M066264	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000254855
ENSG00000255320		RNA Gene	7	GC11M066245	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000255320
ENSG00000227554		RNA Gene	7	GC01M183723	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000227554
ENSG00000231612		RNA Gene	7	GC01M245674	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000231612
ENSG00000234091		RNA Gene	7	GC10P013771	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000234091
ENSG00000245156		RNA Gene	7	GC11M066269	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000245156
ENSG00000257042		RNA Gene	7	GC12P027958	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000257042
ENSG00000258216		RNA Gene	7	GC12P089712	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000258216
ENSG00000259618		RNA Gene	7	GC15M050494	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000259618
ENSG00000260773		RNA Gene	7	GC15M066314	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000260773

ENSG00000269843		RNA Gene	7	GC19M040831	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000269843
ENSG00000270195		RNA Gene	7	GC04P001714	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000270195
ENSG00000272462		RNA Gene	7	GC06P025992	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000272462
ENSG00000261384		RNA Gene	7	GC15P074303	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000261384
ENSG00000267137		RNA Gene	7	GC17M061460	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000267137
LOC101928268	Uncharacterized LOC101928268	Protein Coding	7	GC07P030460	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LOC101928268
GC16P053950		RNA Gene	6	GC16P053950	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GC16P053950
ENSG00000223727		RNA Gene	6	GC03M003292	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000223727
ENSG00000225050		RNA Gene	6	GC09M118688	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000225050
ENSG00000225884		RNA Gene	6	GC02P191793	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000225884
ENSG00000273179		RNA Gene	6	GC04P001161	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000273179
ENSG00000275443		RNA Gene	6	GC15P095990	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000275443
ENSG00000285144		RNA Gene	6	GC20P038265	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000285144
ENSG00000250098		RNA Gene	6	GC04M012949	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000250098
ENSG00000228322		RNA Gene	6	GC09P004299	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000228322
ENSG00000234352		RNA Gene	6	GC07M136686	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000234352
ENSG00000237530		RNA Gene	6	GC06P044938	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000237530

ENSG00000238224		RNA Gene	6	GC01M245614	0.85	bin/carddisp.pl?gene=ENSG00000237530 https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000238224
ENSG00000238232		RNA Gene	6	GC01P219557	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000238232
ENSG00000241956		RNA Gene	6	GC05P164297	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000241956
ENSG00000248112		RNA Gene	6	GC05M082919	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000248112
ENSG00000248538		RNA Gene	6	GC08P009157	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000248538
ENSG00000272588		RNA Gene	6	GC04M000750	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000272588
SMC4P1	Structural Maintenance Of Chromosomes 4 Pseudogene 1	Pseudogene	6	GC02P136546	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SMC4P1
RNU6-909P	RNA, U6 Small Nuclear 909, Pseudogene	Pseudogene	6	GC05P028626	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RNU6-909P
LOC101929770	Uncharacterized LOC101929770	RNA Gene	6	GC06P044974	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LOC101929770
LOC649024	Citrate Synthase Pseudogene	Pseudogene	5	GC03M107327	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LOC649024
LOC105377720	Uncharacterized LOC105377720	RNA Gene	5	GC05P171494	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LOC105377720
ENSG00000219682		Pseudogene	5	GC06P025140	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000219682
ENSG00000273474		RNA Gene	5	GC10P013675	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000273474
ENSG00000277829		RNA Gene	5	GC20M038233	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000277829
ENSG00000280904		RNA Gene	5	GC03P052689	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000280904
ENSG00000251446		RNA Gene	5	GC05M176735	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000251446

ENSG00000229853	Pseudogene	5	GC20M047631	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000229853
ENSG00000239793	Pseudogene	5	GC04P078769	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000239793
ENSG00000256378	Pseudogene	5	GC12M027935	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000256378
PIR36097	RNA Gene	5	GC02M156452	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PIR36097
GC19P021473	RNA Gene	4	GC19P021473	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GC19P021473
GC20M047463	RNA Gene	4	GC20M047463	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GC20M047463
GC20P047451	RNA Gene	4	GC20P047451	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GC20P047451
GC22M043907	RNA Gene	4	GC22M043907	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GC22M043907
GC10P013600	RNA Gene	4	GC10P013600	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GC10P013600
GC11M065547	RNA Gene	4	GC11M065547	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GC11M065547
GC11P065565	RNA Gene	4	GC11P065565	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GC11P065565
GC11P065584	RNA Gene	4	GC11P065584	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GC11P065584
GC11P065586	RNA Gene	4	GC11P065586	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GC11P065586
GC12M093698	RNA Gene	4	GC12M093698	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GC12M093698
GC12P093788	RNA Gene	4	GC12P093788	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GC12P093788
GC15P071134	RNA Gene	4	GC15P071134	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GC15P071134
GC19M002173	RNA Gene	4	GC19M002173	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GC19M002173

GC09M004258		RNA Gene	4	GC09M004258	0.85	bin/carddisp.pl?gene=GC19M002173
GC09M115052		RNA Gene	4	GC09M115052	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GC09M004258
GC09P116553		RNA Gene	4	GC09P116553	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GC09M115052
LOC105376225	Uncharacterized LOC105376225	RNA Gene	4	GC09M114144	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GC09P116553
LOC105376426	Uncharacterized LOC105376426	RNA Gene	4	GC10P013711	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LOC105376225
ENSG00000285914		RNA Gene	4	GC05M171724	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LOC105376426
ENSG00000286177		RNA Gene	4	GC19M041309	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000285914
GC01M013810		RNA Gene	4	GC01M013810	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000286177
GC01M091707		RNA Gene	4	GC01M091707	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GC01M013810
GC01M091774		RNA Gene	4	GC01M091774	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GC01M091707
GC01M102950		RNA Gene	4	GC01M102950	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GC01M091774
GC01M102951		RNA Gene	4	GC01M102951	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GC01M102950
GC01M183931		RNA Gene	4	GC01M183931	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GC01M102951
GC01M183940		RNA Gene	4	GC01M183940	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GC01M183931
ENSG00000220730		Pseudogene	4	GC06P075586	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GC01M183940
GC02P033183		RNA Gene	4	GC02P033183	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000220730
						https://www.genecards.org/cgi-bin/carddisp.pl?gene=GC02P033183

GC03M107248	RNA Gene	4	GC03M107248	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GC03M107248
GC04M078633	RNA Gene	4	GC04M078633	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GC04M078633
GC04P001713	RNA Gene	4	GC04P001713	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GC04P001713
ENSG00000273254	RNA Gene	4	GC21M029024	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000273254
ENSG00000277749	RNA Gene	4	GC15M074311	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000277749
ENSG00000278892	Uncategorized	4	GC11P093071	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000278892
ENSG00000279067	Uncategorized	4	GC07P096118	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000279067
ENSG00000279304	Uncategorized	4	GC11P093133	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000279304
ENSG00000283517	RNA Gene	4	GC17M071829	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000283517
ENSG00000285108	RNA Gene	4	GC08M129685	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000285108
GC06P025915	RNA Gene	4	GC06P025915	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GC06P025915
ENSG00000251193	Pseudogene	4	GC05P097738	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000251193
ENSG00000254957	Pseudogene	4	GC11P011135	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000254957
ENSG00000238180	Pseudogene	4	GC02P128218	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000238180
PIR56383	RNA Gene	4	GC19M010653	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PIR56383
PIR44207	RNA Gene	4	GC15P067066	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PIR44207
PIR44445	RNA Gene	4	GC06P027365	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PIR44445

PIR44595		RNA Gene	4	GC04M001722	0.85	bin/carddisp.pl?gene=PIR44445
PIR31533		RNA Gene	4	GC08M143918	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PIR44595
PIR32750		RNA Gene	4	GC06P026123	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PIR31533
PIR33095		RNA Gene	4	GC06M026124	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PIR32750
LOC105373943	Uncharacterized LOC105373943	RNA Gene	4	GC02M235676	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PIR33095
LOC105369890	Uncharacterized LOC105369890	RNA Gene	4	GC12P089920	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LOC105373943
LOC105370044	Uncharacterized LOC105370044	RNA Gene	4	GC12M123764	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LOC105369890
LOC100288365	Activating Transcription Factor 7 Interacting Protein 2 Pseudogene	Pseudogene	4	GC11P011157	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LOC105370044
GC01P055065		RNA Gene	4	GC01P055065	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LOC100288365
GC07M096068		RNA Gene	4	GC07M096068	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GC01P055065
GC02M033258		RNA Gene	4	GC02M033258	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GC07M096068
GC20M035435		RNA Gene	3	GC20M035435	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GC02M033258
GC20M035436		RNA Gene	3	GC20M035436	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GC20M035435
GC12P123897		RNA Gene	3	GC12P123897	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GC20M035436
GC15M058384		RNA Gene	3	GC15M058384	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GC12P123897
GC15M058458		RNA Gene	3	GC15M058458	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GC15M058384
						https://www.genecards.org/cgi-bin/carddisp.pl?gene=GC15M058458

GC15M058931		RNA Gene	3	GC15M058931	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GC15M058931
GC15P074339		RNA Gene	3	GC15P074339	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GC15P074339
LOC105377721	Uncharacterized LOC105377721	RNA Gene	3	GC05M171469	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LOC105377721
GC01M219610		RNA Gene	3	GC01M219610	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GC01M219610
ENSG00000185631		Pseudogene	3	GC02P128204	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000185631
GC02P235746		RNA Gene	3	GC02P235746	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GC02P235746
GC04M001683		RNA Gene	3	GC04M001683	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GC04M001683
GC04M001697		RNA Gene	3	GC04M001697	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GC04M001697
GC04P001691		RNA Gene	3	GC04P001691	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GC04P001691
GC04P001705		RNA Gene	3	GC04P001705	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GC04P001705
ENSG00000274075		RNA Gene	3	GC12M027824	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000274075
ENSG00000283601		Pseudogene	3	GC11P060577	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000283601
ENSG00000259493		Pseudogene	3	GC15M079559	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENSG00000259493
PIR55509		RNA Gene	3	GC04M001724	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PIR55509
PIR61578		RNA Gene	3	GC02P235744	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PIR61578
PIR49082		RNA Gene	3	GC12P027874	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PIR49082
PIR31070		RNA Gene	3	GC01P245488	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PIR31070

LOC105374793	Uncharacterized LOC105374793	RNA Gene	3	GC02P070403	0.85	bin/carddisp.pl?gene=PIR31070
GC06P044973		RNA Gene	3	GC06P044973	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LOC105374793
GC12M123351		RNA Gene	2	GC12M123351	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GC06P044973
CD151	CD151 Molecule (Raph Blood Group)	Protein Coding	51	GC11P000861	0.85	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GC12M123351
BMP3	Bone Morphogenetic Protein 3	Protein Coding	48	GC04P081030	0.84	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CD151
DNMT1	DNA Methyltransferase 1	Protein Coding	57	GC19M010133	0.83	https://www.genecards.org/cgi-bin/carddisp.pl?gene=BMP3
CAPN2	Calpain 2	Protein Coding	54	GC01P223701	0.83	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DNMT1
HSD11B2	Hydroxysteroid 11-Beta Dehydrogenase 2	Protein Coding	53	GC16P067465	0.83	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CAPN2
NRP1	Neuropilin 1	Protein Coding	53	GC10M033216	0.83	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HSD11B2
SELP	Selectin P	Protein Coding	52	GC01M169558	0.83	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NRP1
CD14	CD14 Molecule	Protein Coding	51	GC05M140594	0.83	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SELP
AMBP	Alpha-1-Microglobulin/Bikunin Precursor	Protein Coding	47	GC09M114060	0.83	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CD14
GADD45B	Growth Arrest And DNA Damage Inducible Beta	Protein Coding	45	GC19P002476	0.83	https://www.genecards.org/cgi-bin/carddisp.pl?gene=AMBP
NT5E	5'-Nucleotidase Ecto	Protein Coding	57	GC06P085449	0.82	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GADD45B
GUSB	Glucuronidase Beta	Protein Coding	54	GC07M065960	0.82	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NT5E
CX3CR1	C-X3-C Motif Chemokine Receptor 1	Protein Coding	51	GC03M039279	0.82	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GUSB
						https://www.genecards.org/cgi-bin/carddisp.pl?gene=CX3CR1

LTF	Lactotransferrin	Protein Coding	50	GC03M046435	0.82	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LTF
IL24	Interleukin 24	Protein Coding	48	GC01P206897	0.82	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL24
IL20	Interleukin 20	Protein Coding	46	GC01P206866	0.82	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL20
CD58	CD58 Molecule	Protein Coding	46	GC01M116514	0.82	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CD58
MIR92A1	MicroRNA 92a-1	RNA Gene	19	GC13P091384	0.82	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR92A1
IKBKE	Inhibitor Of Nuclear Factor Kappa B Kinase Subunit Epsilon	Protein Coding	51	GC01P206470	0.79	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IKBKE
CXCL16	C-X-C Motif Chemokine Ligand 16	Protein Coding	45	GC17M004733	0.79	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CXCL16
FAM215A	Family With Sequence Similarity 215 Member A	RNA Gene	26	GC17P043917	0.79	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FAM215A
MIR448	MicroRNA 448	RNA Gene	15	GC0XP114823	0.79	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR448
ERBB2	Erb-B2 Receptor Tyrosine Kinase 2	Protein Coding	62	GC17P039687	0.77	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ERBB2
PDGFRA	Platelet Derived Growth Factor Receptor Alpha	Protein Coding	62	GC04P054229	0.77	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PDGFRA
PDGFB	Platelet Derived Growth Factor Subunit B	Protein Coding	56	GC22M043950	0.77	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PDGFB
PGK1	Phosphoglycerate Kinase 1	Protein Coding	55	GC0XP077919	0.77	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PGK1
CA1	Carbonic Anhydrase 1	Protein Coding	53	GC08M085327	0.77	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CA1
CD59	CD59 Molecule (CD59 Blood Group)	Protein Coding	53	GC11M033699	0.77	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CD59
DDIT3	DNA Damage Inducible Transcript 3	Protein Coding	51	GC12M057516	0.77	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DDIT3
JAM3	Junctional Adhesion Molecule 3	Protein	50	GC11P134068	0.77	https://www.genecards.org/cgi-bin/carddisp.pl?gene=JAM3

CFP	Complement Factor Properdin	Coding Protein	50	GC0XM047624	0.77	bin/carddisp.pl?gene=JAM3 https://www.genecards.org/cgi-bin/carddisp.pl?gene=CFP
ICAM3	Intercellular Adhesion Molecule 3	Coding Protein	47	GC19M010335	0.77	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ICAM3
LGALS3BP	Galectin 3 Binding Protein	Coding Protein	46	GC17M078971	0.77	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LGALS3BP
PDPN	Podoplanin	Coding Protein	46	GC01P013656	0.77	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PDPN
IL18BP	Interleukin 18 Binding Protein	Coding Protein	44	GC11P071998	0.77	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL18BP
POMGNT2	Protein O-Linked Mannose N-Acetylglucosaminyltransferase 2 (Beta 1,4-)	Coding Protein	42	GC03M043121	0.77	https://www.genecards.org/cgi-bin/carddisp.pl?gene=POMGNT2
MYDGF	Myeloid Derived Growth Factor	Coding Protein	37	GC19M004641	0.77	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MYDGF
PROC	Protein C, Inactivator Of Coagulation Factors Va And VIIIa	Coding Protein	56	GC02P127418	0.76	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PROC
FST	Follistatin	Coding Protein	53	GC05P053480	0.76	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FST
HDC	Histidine Decarboxylase	Coding Protein	50	GC15M050241	0.76	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HDC
THBD	Thrombomodulin	Coding Protein	50	GC20M023026	0.76	https://www.genecards.org/cgi-bin/carddisp.pl?gene=THBD
TAC1	Tachykinin Precursor 1	Coding Protein	50	GC07P097731	0.76	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TAC1
PTX3	Pentraxin 3	Coding Protein	48	GC03P157436	0.76	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PTX3
ITGA1	Integrin Subunit Alpha 1	Coding Protein	47	GC05P052788	0.76	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ITGA1
HAS3	Hyaluronan Synthase 3	Coding Protein	46	GC16P069105	0.76	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HAS3
TNFRSF13C	TNF Receptor Superfamily Member	Protein	51	GC22M042909	0.75	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TNFRSF13C

	13C	Coding				bin/carddisp.pl?gene=TNFRSF13C
RNASE3	Ribonuclease A Family Member 3	Protein Coding	46	GC14P020891	0.75	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RNASE3
CXCL2	C-X-C Motif Chemokine Ligand 2	Protein Coding	46	GC04M074097	0.75	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CXCL2
EPHB4	EPH Receptor B4	Protein Coding	59	GC07M100803	0.72	https://www.genecards.org/cgi-bin/carddisp.pl?gene=EPHB4
TERT	Telomerase Reverse Transcriptase	Protein Coding	57	GC05M001253	0.72	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TERT
HSD11B1	Hydroxysteroid 11-Beta Dehydrogenase 1	Protein Coding	56	GC01P209686	0.72	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HSD11B1
MAPK3	Mitogen-Activated Protein Kinase 3	Protein Coding	56	GC16M030125	0.72	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MAPK3
GSN	Gelsolin	Protein Coding	55	GC09P121207	0.72	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GSN
IRF1	Interferon Regulatory Factor 1	Protein Coding	54	GC05M132481	0.72	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IRF1
MAPK9	Mitogen-Activated Protein Kinase 9	Protein Coding	54	GC05M180234	0.72	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MAPK9
FURIN	Furin, Paired Basic Amino Acid Cleaving Enzyme	Protein Coding	54	GC15P090868	0.72	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FURIN
TAB2	TGF-Beta Activated Kinase 1 (MAP3K7) Binding Protein 2	Protein Coding	54	GC06P149218	0.72	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TAB2
GPI	Glucose-6-Phosphate Isomerase	Protein Coding	53	GC19P034359	0.72	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GPI
PDCD1	Programmed Cell Death 1	Protein Coding	53	GC02M241849	0.72	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PDCD1
LRP1	LDL Receptor Related Protein 1	Protein Coding	53	GC12P057128	0.72	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LRP1
CHRNA7	Cholinergic Receptor Nicotinic Alpha 7 Subunit	Protein Coding	52	GC15P031923	0.72	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CHRNA7
RHOA	Ras Homolog Family Member A	Protein Coding	52	GC03M049397	0.72	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RHOA

TRPA1	Transient Receptor Potential Cation Channel Subfamily A Member 1	Protein Coding	52	GC08M072019	0.72	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TRPA1
ICAM2	Intercellular Adhesion Molecule 2	Protein Coding	51	GC17M064002	0.72	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ICAM2
MAP3K2	Mitogen-Activated Protein Kinase Kinase Kinase 2	Protein Coding	51	GC02M127298	0.72	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MAP3K2
PPARA	Peroxisome Proliferator Activated Receptor Alpha	Protein Coding	51	GC22P046150	0.72	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PPARA
S1PR1	Sphingosine-1-Phosphate Receptor 1	Protein Coding	51	GC01P101236	0.72	https://www.genecards.org/cgi-bin/carddisp.pl?gene=S1PR1
IGFBP2	Insulin Like Growth Factor Binding Protein 2	Protein Coding	50	GC02P216632	0.72	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IGFBP2
EGR1	Early Growth Response 1	Protein Coding	50	GC05P138465	0.72	https://www.genecards.org/cgi-bin/carddisp.pl?gene=EGR1
ANGPT2	Angiopoietin 2	Protein Coding	50	GC08M006499	0.72	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ANGPT2
TICAM1	Toll Like Receptor Adaptor Molecule 1	Protein Coding	50	GC19M004815	0.72	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TICAM1
TRIB3	Tribbles Pseudokinase 3	Protein Coding	50	GC20P000361	0.72	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TRIB3
E2F2	E2F Transcription Factor 2	Protein Coding	49	GC01M023506	0.72	https://www.genecards.org/cgi-bin/carddisp.pl?gene=E2F2
SMAD7	SMAD Family Member 7	Protein Coding	49	GC18M048919	0.72	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SMAD7
IL17B	Interleukin 17B	Protein Coding	48	GC05M149371	0.72	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL17B
IGFBP4	Insulin Like Growth Factor Binding Protein 4	Protein Coding	48	GC17P040443	0.72	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IGFBP4
KLF2	Kruppel Like Factor 2	Protein Coding	48	GC19P020581	0.72	https://www.genecards.org/cgi-bin/carddisp.pl?gene=KLF2
FCGR1A	Fc Fragment Of IgG Receptor Ia	Protein Coding	48	GC01P149754	0.72	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FCGR1A
CCL19	C-C Motif Chemokine Ligand 19	Protein	48	GC09M034692	0.72	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CCL19

BPI	Bactericidal Permeability Increasing Protein	Coding Protein	47	GC20P038304	0.72	bin/carddisp.pl?gene=CCL19 https://www.genecards.org/cgi-bin/carddisp.pl?gene=BPI
AIF1	Allograft Inflammatory Factor 1	Coding Protein	45	GC06P032498	0.72	https://www.genecards.org/cgi-bin/carddisp.pl?gene=AIF1
CARD16	Caspase Recruitment Domain Family Member 16	Coding Protein	42	GC11M105041	0.72	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CARD16
ADGRE5	Adhesion G Protein-Coupled Receptor E5	Coding Protein	42	GC19P014381	0.72	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ADGRE5
ZC3H12A	Zinc Finger CCCH-Type Containing 12A	Coding Protein	42	GC01P037474	0.72	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ZC3H12A
MIR17	MicroRNA 17	RNA Gene	21	GC13P091350	0.72	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR17
MIR199A2	MicroRNA 199a-2	RNA Gene	21	GC01M172223	0.72	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR199A2
MIR127	MicroRNA 127	RNA Gene	20	GC14P103659	0.72	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR127
MIR199A1	MicroRNA 199a-1	RNA Gene	20	GC19M010792	0.72	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR199A1
MIR33A	MicroRNA 33a	RNA Gene	20	GC22P041900	0.72	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR33A
MIR148A	MicroRNA 148a	RNA Gene	19	GC07M025993	0.72	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR148A
TXN	Thioredoxin	Coding Protein	52	GC09M110243	0.72	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TXN
LAIR1	Leukocyte Associated Immunoglobulin Like Receptor 1	Coding Protein	47	GC19M054351	0.72	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LAIR1
MYD88	MYD88 Innate Immune Signal Transduction Adaptor	Coding Protein	56	GC03P038179	0.68	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MYD88
F2RL2	Coagulation Factor II Thrombin Receptor Like 2	Coding Protein	46	GC05M076615	0.68	https://www.genecards.org/cgi-bin/carddisp.pl?gene=F2RL2
C4BPA	Complement Component 4 Binding Protein Alpha	Coding Protein	46	GC01P207105	0.68	https://www.genecards.org/cgi-bin/carddisp.pl?gene=C4BPA

TYK2	Tyrosine Kinase 2	Protein Coding	59	GC19M010350	0.65	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TYK2
HDAC2	Histone Deacetylase 2	Protein Coding	58	GC06M113933	0.65	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HDAC2
ITGA2B	Integrin Subunit Alpha 2b	Protein Coding	57	GC17M044373	0.65	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ITGA2B
MAP3K1	Mitogen-Activated Protein Kinase Kinase 1	Protein Coding	56	GC05P056815	0.65	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MAP3K1
STAT6	Signal Transducer And Activator Of Transcription 6	Protein Coding	55	GC12M057095	0.65	https://www.genecards.org/cgi-bin/carddisp.pl?gene=STAT6
ITGA5	Integrin Subunit Alpha 5	Protein Coding	54	GC12M054396	0.65	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ITGA5
TLR5	Toll Like Receptor 5	Protein Coding	54	GC01M223109	0.65	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TLR5
ENTPD1	Ectonucleoside Triphosphate Diphosphohydrolase 1	Protein Coding	53	GC10P095711	0.65	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENTPD1
CYP27B1	Cytochrome P450 Family 27 Subfamily B Member 1	Protein Coding	53	GC12M057757	0.65	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CYP27B1
FKBP5	FKBP Prolyl Isomerase 5	Protein Coding	52	GC06M039650	0.65	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FKBP5
EFNB2	Ephrin B2	Protein Coding	51	GC13M106489	0.65	https://www.genecards.org/cgi-bin/carddisp.pl?gene=EFNB2
DKK2	Dickkopf WNT Signaling Pathway Inhibitor 2	Protein Coding	50	GC04M106921	0.65	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DKK2
CD9	CD9 Molecule	Protein Coding	50	GC12P006271	0.65	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CD9
THY1	Thy-1 Cell Surface Antigen	Protein Coding	50	GC11M119417	0.65	https://www.genecards.org/cgi-bin/carddisp.pl?gene=THY1
PYCARD	PYD And CARD Domain Containing	Protein Coding	49	GC16M031212	0.65	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PYCARD
THPO	Thrombopoietin	Protein Coding	49	GC03M184371	0.65	https://www.genecards.org/cgi-bin/carddisp.pl?gene=THPO
TNFRSF12A	TNF Receptor Superfamily Member	Protein	49	GC16P003018	0.65	https://www.genecards.org/cgi-

	12A	Coding				bin/carddisp.pl?gene=TNFRSF12A
ADAM8	ADAM Metallopeptidase Domain 8	Protein Coding	48	GC10M133262	0.65	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ADAM8
SLC3A2	Solute Carrier Family 3 Member 2	Protein Coding	48	GC11P062874	0.65	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SLC3A2
SMAD5	SMAD Family Member 5	Protein Coding	48	GC05P136132	0.65	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SMAD5
CD63	CD63 Molecule	Protein Coding	48	GC12M055725	0.65	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CD63
CD84	CD84 Molecule	Protein Coding	48	GC01M160510	0.65	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CD84
CHRD	Chordin	Protein Coding	47	GC03P184380	0.65	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CHRD
KERA	Keratocan	Protein Coding	46	GC12M091050	0.65	https://www.genecards.org/cgi-bin/carddisp.pl?gene=KERA
RECK	Reversion Inducing Cysteine Rich Protein With Kazal Motifs	Protein Coding	46	GC09P036036	0.65	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RECK
OGN	Osteoglycin	Protein Coding	45	GC09M092383	0.65	https://www.genecards.org/cgi-bin/carddisp.pl?gene=OGN
IL36A	Interleukin 36 Alpha	Protein Coding	43	GC02P113005	0.65	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL36A
TSPAN4	Tetraspanin 4	Protein Coding	42	GC11P000860	0.65	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TSPAN4
DEFB103B	Defensin Beta 103B	Protein Coding	35	GC08M007430	0.65	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DEFB103B
PRKCD	Protein Kinase C Delta	Protein Coding	60	GC03P053190	0.63	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PRKCD
PCNA	Proliferating Cell Nuclear Antigen	Protein Coding	57	GC20M005114	0.63	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PCNA
YWHAE	Tyrosine 3-Monooxygenase/Tryptophan 5-Monooxygenase Activation Protein Epsilon	Protein Coding	56	GC17M001346	0.63	https://www.genecards.org/cgi-bin/carddisp.pl?gene=YWHAE

IL2RB	Interleukin 2 Receptor Subunit Beta	Protein Coding	55	GC22M037125	0.63	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL2RB
ABCA1	ATP Binding Cassette Subfamily A Member 1	Protein Coding	55	GC09M104781	0.63	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ABCA1
ABCC4	ATP Binding Cassette Subfamily C Member 4	Protein Coding	53	GC13M095019	0.63	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ABCC4
MMP19	Matrix Metalloproteinase 19	Protein Coding	53	GC12M055835	0.63	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MMP19
PRDX2	Peroxiredoxin 2	Protein Coding	53	GC19M012796	0.63	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PRDX2
VEGFC	Vascular Endothelial Growth Factor C	Protein Coding	53	GC04M176683	0.63	https://www.genecards.org/cgi-bin/carddisp.pl?gene=VEGFC
TFDP1	Transcription Factor Dp-1	Protein Coding	51	GC13P113584	0.63	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TFDP1
E2F1	E2F Transcription Factor 1	Protein Coding	50	GC20M033675	0.63	https://www.genecards.org/cgi-bin/carddisp.pl?gene=E2F1
ANXA6	Annexin A6	Protein Coding	49	GC05M151077	0.63	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ANXA6
SELL	Selectin L	Protein Coding	48	GC01M169659	0.63	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SELL
PRDX3	Peroxiredoxin 3	Protein Coding	48	GC10M119167	0.63	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PRDX3
TREM1	Triggering Receptor Expressed On Myeloid Cells 1	Protein Coding	48	GC06M041243	0.63	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TREM1
CCK	Cholecystokinin	Protein Coding	47	GC03M042274	0.63	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CCK
ZFP36	ZFP36 Ring Finger Protein	Protein Coding	45	GC19P039406	0.63	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ZFP36
CXCL9	C-X-C Motif Chemokine Ligand 9	Protein Coding	44	GC04M076001	0.63	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CXCL9
SNTB1	Syntrophin Beta 1	Protein Coding	43	GC08M120518	0.63	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SNTB1
CCL27	C-C Motif Chemokine Ligand 27	Protein	43	GC09M034662	0.63	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CCL27

		Coding					bin/carddisp.pl?gene=CCL27
MIR221	MicroRNA 221	RNA Gene	21	GC0XM045746	0.63		https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR221
CORIN	Corin, Serine Peptidase	Protein Coding	50	GC04M047596	0.59		https://www.genecards.org/cgi-bin/carddisp.pl?gene=CORIN
PDGFRB	Platelet Derived Growth Factor Receptor Beta	Protein Coding	62	GC05M150113	0.58		https://www.genecards.org/cgi-bin/carddisp.pl?gene=PDGFRB
MAP2K1	Mitogen-Activated Protein Kinase Kinase 1	Protein Coding	61	GC15P066386	0.58		https://www.genecards.org/cgi-bin/carddisp.pl?gene=MAP2K1
NTRK2	Neurotrophic Receptor Tyrosine Kinase 2	Protein Coding	60	GC09P084668	0.58		https://www.genecards.org/cgi-bin/carddisp.pl?gene=NTRK2
FLT4	Fms Related Tyrosine Kinase 4	Protein Coding	59	GC05M180607	0.58		https://www.genecards.org/cgi-bin/carddisp.pl?gene=FLT4
LPL	Lipoprotein Lipase	Protein Coding	57	GC08P019841	0.58		https://www.genecards.org/cgi-bin/carddisp.pl?gene=LPL
NOS3	Nitric Oxide Synthase 3	Protein Coding	57	GC07P150990	0.58		https://www.genecards.org/cgi-bin/carddisp.pl?gene=NOS3
GRB2	Growth Factor Receptor Bound Protein 2	Protein Coding	56	GC17M075318	0.58		https://www.genecards.org/cgi-bin/carddisp.pl?gene=GRB2
G6PD	Glucose-6-Phosphate Dehydrogenase	Protein Coding	56	GC0XM154531	0.58		https://www.genecards.org/cgi-bin/carddisp.pl?gene=G6PD
MSH6	MutS Homolog 6	Protein Coding	55	GC02P047695	0.58		https://www.genecards.org/cgi-bin/carddisp.pl?gene=MSH6
GFAP	Glial Fibrillary Acidic Protein	Protein Coding	54	GC17M044905	0.58		https://www.genecards.org/cgi-bin/carddisp.pl?gene=GFAP
HSPA8	Heat Shock Protein Family A (Hsp70) Member 8	Protein Coding	54	GC11M123057	0.58		https://www.genecards.org/cgi-bin/carddisp.pl?gene=HSPA8
C3	Complement C3	Protein Coding	54	GC19M006677	0.58		https://www.genecards.org/cgi-bin/carddisp.pl?gene=C3
HSD3B2	Hydroxy-Delta-5-Steroid Dehydrogenase, 3 Beta- And Steroid Delta-Isomerase 2	Protein Coding	53	GC01P119414	0.58		https://www.genecards.org/cgi-bin/carddisp.pl?gene=HSD3B2
IRS1	Insulin Receptor Substrate 1	Protein	53	GC02M226731	0.58		https://www.genecards.org/cgi-bin/carddisp.pl?gene=IRS1

PTGER3	Prostaglandin E Receptor 3	Coding Protein	53	GC01M070852	0.58	bin/carddisp.pl?gene=IRS1 https://www.genecards.org/cgi-bin/carddisp.pl?gene=PTGER3
CCNB1	Cyclin B1	Coding Protein	53	GC05P069167	0.58	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CCNB1
FGF5	Fibroblast Growth Factor 5	Coding Protein	52	GC04P080266	0.58	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FGF5
POLG	DNA Polymerase Gamma, Catalytic Subunit	Coding Protein	52	GC15M089316	0.58	https://www.genecards.org/cgi-bin/carddisp.pl?gene=POLG
ITGB7	Integrin Subunit Beta 7	Coding Protein	51	GC12M053191	0.58	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ITGB7
ANGPTL4	Angiopoietin Like 4	Coding Protein	51	GC19P008363	0.58	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ANGPTL4
COL18A1	Collagen Type XVIII Alpha 1 Chain	Coding Protein	51	GC21P045405	0.58	https://www.genecards.org/cgi-bin/carddisp.pl?gene=COL18A1
P2RX7	Purinergic Receptor P2X 7	Coding Protein	51	GC12P122396	0.58	https://www.genecards.org/cgi-bin/carddisp.pl?gene=P2RX7
IL12B	Interleukin 12B	Coding Protein	50	GC05M159314	0.58	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL12B
ELK1	ETS Transcription Factor ELK1	Coding Protein	50	GC0XM047635	0.58	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ELK1
CMA1	Chymase 1	Coding Protein	50	GC14M024506	0.58	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CMA1
SKIL	SKI Like Proto-Oncogene	Coding Protein	50	GC03P170357	0.58	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SKIL
PLA2G5	Phospholipase A2 Group V	Coding Protein	50	GC01P020028	0.58	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PLA2G5
NTF3	Neurotrophin 3	Coding Protein	50	GC12P005432	0.58	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NTF3
CD47	CD47 Molecule	Coding Protein	50	GC03M108043	0.58	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CD47
THBS4	Thrombospondin 4	Coding Protein	50	GC05P079991	0.58	https://www.genecards.org/cgi-bin/carddisp.pl?gene=THBS4

SEMA3C	Semaphorin 3C	Protein Coding	49	GC07M080742	0.58	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SEMA3C
TIA1	TIA1 Cytotoxic Granule Associated RNA Binding Protein	Protein Coding	49	GC02M070173	0.58	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TIA1
HSPA4	Heat Shock Protein Family A (Hsp70) Member 4	Protein Coding	48	GC05P133051	0.58	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HSPA4
ID1	Inhibitor Of DNA Binding 1, HLH Protein	Protein Coding	48	GC20P031605	0.58	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ID1
LAMA5	Laminin Subunit Alpha 5	Protein Coding	48	GC20M062307	0.58	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LAMA5
ADAMTS2	ADAM Metallopeptidase With Thrombospondin Type 1 Motif 2	Protein Coding	48	GC05M179110	0.58	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ADAMTS2
ELAVL1	ELAV Like RNA Binding Protein 1	Protein Coding	48	GC19M007958	0.58	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ELAVL1
MT2A	Metallothionein 2A	Protein Coding	48	GC16P056624	0.58	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MT2A
IL19	Interleukin 19	Protein Coding	46	GC01P206798	0.58	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL19
GRP	Gastrin Releasing Peptide	Protein Coding	46	GC18P059220	0.58	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GRP
HOMER1	Homer Scaffold Protein 1	Protein Coding	46	GC05M079372	0.58	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HOMER1
HOXD9	Homeobox D9	Protein Coding	46	GC02P176122	0.58	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HOXD9
MARCO	Macrophage Receptor With Collagenous Structure	Protein Coding	46	GC02P118942	0.58	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MARCO
HIST2H2BE	Histone Cluster 2 H2B Family Member E	Protein Coding	45	GC01M149884	0.58	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HIST2H2BE
AZU1	Azurocidin 1	Protein Coding	45	GC19P000825	0.58	https://www.genecards.org/cgi-bin/carddisp.pl?gene=AZU1
ADAMTS12	ADAM Metallopeptidase With Thrombospondin Type 1 Motif 12	Protein Coding	45	GC05M033524	0.58	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ADAMTS12
C1QTNF3	C1q And TNF Related 3	Protein	45	GC05M034017	0.58	https://www.genecards.org/cgi-

OMD	Osteomodulin	Coding Protein	44	GC09M092414	0.58	bin/carddisp.pl?gene=C1QTNF3
RND1	Rho Family GTPase 1	Coding Protein	44	GC12M048857	0.58	https://www.genecards.org/cgi-bin/carddisp.pl?gene=OMD
IL22RA1	Interleukin 22 Receptor Subunit Alpha 1	Coding Protein	43	GC01M024119	0.58	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RND1
IFI27	Interferon Alpha Inducible Protein 27	Coding Protein	43	GC14P094104	0.58	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL22RA1
CALCB	Calcitonin Related Polypeptide Beta	Coding Protein	43	GC11P014926	0.58	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IFI27
A1BG	Alpha-1-B Glycoprotein	Coding Protein	43	GC19M058345	0.58	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CALCB
VSIG4	V-Set And Immunoglobulin Domain Containing 4	Coding Protein	42	GC0XM066021	0.58	https://www.genecards.org/cgi-bin/carddisp.pl?gene=A1BG
ZBTB38	Zinc Finger And BTB Domain Containing 38	Coding Protein	42	GC03P141324	0.58	https://www.genecards.org/cgi-bin/carddisp.pl?gene=VSIG4
CPQ	Carboxypeptidase Q	Coding Protein	40	GC08P096645	0.58	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ZBTB38
HIST2H3C	Histone Cluster 2 H3 Family Member C	Coding Protein	38	GC01M149839	0.58	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CPQ
SELENOS	Selenoprotein S	Coding Protein	36	GC15M101575	0.58	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HIST2H3C
MIR194-1	MicroRNA 194-1	RNA Gene	17	GC01M220118	0.58	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SELENOS
PIK3CD	Phosphatidylinositol-4,5-Bisphosphate 3-Kinase Catalytic Subunit Delta	Coding Protein	60	GC01P009711	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR194-1
ALK	ALK Receptor Tyrosine Kinase	Coding Protein	58	GC02M029156	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PIK3CD
ZAP70	Zeta Chain Of T Cell Receptor Associated Protein Kinase 70	Coding Protein	58	GC02P097696	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ALK
HSPB1	Heat Shock Protein Family B (Small) Member 1	Coding Protein	57	GC07P076302	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ZAP70
						https://www.genecards.org/cgi-bin/carddisp.pl?gene=HSPB1

CSNK2A1	Casein Kinase 2 Alpha 1	Protein Coding	57	GC20M000459	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CSNK2A1
SLC9A1	Solute Carrier Family 9 Member A1	Protein Coding	57	GC01M027109	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SLC9A1
GRIN1	Glutamate Ionotropic Receptor NMDA Type Subunit 1	Protein Coding	56	GC09P137138	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GRIN1
MYB	MYB Proto-Oncogene, Transcription Factor	Protein Coding	56	GC06P135125	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MYB
ITGA6	Integrin Subunit Alpha 6	Protein Coding	56	GC02P172427	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ITGA6
JAK1	Janus Kinase 1	Protein Coding	56	GC01M064833	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=JAK1
KCNMA1	Potassium Calcium-Activated Channel Subfamily M Alpha 1	Protein Coding	56	GC10M076869	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=KCNMA1
LRRK2	Leucine Rich Repeat Kinase 2	Protein Coding	56	GC12P040196	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LRRK2
BMPR1B	Bone Morphogenetic Protein Receptor Type 1B	Protein Coding	56	GC04P094757	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=BMPR1B
CYP3A4	Cytochrome P450 Family 3 Subfamily A Member 4	Protein Coding	56	GC07M099759	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CYP3A4
PRKCH	Protein Kinase C Eta	Protein Coding	56	GC14P061187	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PRKCH
RARB	Retinoic Acid Receptor Beta	Protein Coding	56	GC03P025194	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RARB
P4HB	Prolyl 4-Hydroxylase Subunit Beta	Protein Coding	56	GC17M081843	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=P4HB
SYK	Spleen Associated Tyrosine Kinase	Protein Coding	56	GC09P091055	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SYK
TF	Transferrin	Protein Coding	56	GC03P133663	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TF
ETS1	ETS Proto-Oncogene 1, Transcription Factor	Protein Coding	55	GC11M128458	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ETS1
EEF2	Eukaryotic Translation Elongation	Protein	55	GC19M003976	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=EEF2

SCNN1B	Factor 2 Sodium Channel Epithelial 1 Beta Subunit	Coding Protein Coding	55	GC16P023278	0.51	bin/carddisp.pl?gene=EEF2 https://www.genecards.org/cgi-bin/carddisp.pl?gene=SCNN1B
STK11	Serine/Threonine Kinase 11	Protein Coding	55	GC19P001205	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=STK11
RRM2B	Ribonucleotide Reductase Regulatory TP53 Inducible Subunit M2B	Protein Coding	55	GC08M102222	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RRM2B
GDNF	Glial Cell Derived Neurotrophic Factor	Protein Coding	54	GC05M037812	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GDNF
MAP3K8	Mitogen-Activated Protein Kinase Kinase Kinase 8	Protein Coding	54	GC10P030458	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MAP3K8
ALDOA	Aldolase, Fructose-Bisphosphate A	Protein Coding	54	GC16P030064	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ALDOA
CHAT	Choline O-Acetyltransferase	Protein Coding	54	GC10P049609	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CHAT
FCGR2B	Fc Fragment Of IgG Receptor IIb	Protein Coding	54	GC01P161663	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FCGR2B
DDX58	DEXD/H-Box Helicase 58	Protein Coding	54	GC09M032455	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DDX58
REN	Renin	Protein Coding	54	GC01M204123	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=REN
SLC2A3	Solute Carrier Family 2 Member 3	Protein Coding	54	GC12M007919	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SLC2A3
TTN	Titin	Protein Coding	54	GC02M178525	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TTN
IL7R	Interleukin 7 Receptor	Protein Coding	53	GC05P035852	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL7R
LEF1	Lymphoid Enhancer Binding Factor 1	Protein Coding	53	GC04M108047	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LEF1
HPRT1	Hypoxanthine Phosphoribosyltransferase 1	Protein Coding	53	GC0XP134460	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HPRT1
MYCN	MYCN Proto-Oncogene, BHLH Transcription Factor	Protein Coding	53	GC02P015954	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MYCN

MAP3K3	Mitogen-Activated Protein Kinase Kinase 3	Protein Coding	53	GC17P063622	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MAP3K3
HTR2A	5-Hydroxytryptamine Receptor 2A	Protein Coding	53	GC13M046831	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HTR2A
MAP3K11	Mitogen-Activated Protein Kinase Kinase 11	Protein Coding	53	GC11M065615	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MAP3K11
KDM1A	Lysine Demethylase 1A	Protein Coding	53	GC01P023019	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=KDM1A
EPHB1	EPH Receptor B1	Protein Coding	53	GC03P134598	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=EPHB1
EPHX1	Epoxide Hydrolase 1	Protein Coding	53	GC01P225810	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=EPHX1
ESRRA	Estrogen Related Receptor Alpha	Protein Coding	53	GC11P064305	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ESRRA
BMP1	Bone Morphogenetic Protein 1	Protein Coding	53	GC08P022164	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=BMP1
CAMK2G	Calcium/Calmodulin Dependent Protein Kinase II Gamma	Protein Coding	53	GC10M073812	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CAMK2G
AICDA	Activation Induced Cytidine Deaminase	Protein Coding	53	GC12M008602	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=AICDA
DAG1	Dystroglycan 1	Protein Coding	53	GC03P049482	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DAG1
ADAM9	ADAM Metallopeptidase Domain 9	Protein Coding	53	GC08P038975	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ADAM9
EFNB1	Ephrin B1	Protein Coding	53	GC0XP068828	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=EFNB1
PTPN2	Protein Tyrosine Phosphatase Non-Receptor Type 2	Protein Coding	53	GC18M015726	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PTPN2
SLC9A3	Solute Carrier Family 9 Member A3	Protein Coding	53	GC05M000472	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SLC9A3
CYBB	Cytochrome B-245 Beta Chain	Protein Coding	53	GC0XP037780	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CYBB
CD46	CD46 Molecule	Protein	53	GC01P207752	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CD46

TCF7L2	Transcription Factor 7 Like 2	Coding Protein	53	GC10P112950	0.51	bin/carddisp.pl?gene=CD46 https://www.genecards.org/cgi-bin/carddisp.pl?gene=TCF7L2
SUMO1	Small Ubiquitin Like Modifier 1	Coding Protein	53	GC02M202206	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SUMO1
VIPR1	Vasoactive Intestinal Peptide Receptor 1	Coding Protein	53	GC03P042520	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=VIPR1
TFAP2A	Transcription Factor AP-2 Alpha	Coding Protein	53	GC06M010393	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TFAP2A
GFPT1	Glutamine--Fructose-6-Phosphate Transaminase 1	Coding Protein	52	GC02M069283	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GFPT1
ITCH	Itchy E3 Ubiquitin Protein Ligase	Coding Protein	52	GC20P034363	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ITCH
CENPE	Centromere Protein E	Coding Protein	52	GC04M103105	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CENPE
FHL2	Four And A Half LIM Domains 2	Coding Protein	52	GC02M105343	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FHL2
FPR2	Formyl Peptide Receptor 2	Coding Protein	52	GC19P051752	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FPR2
C1QA	Complement C1q A Chain	Coding Protein	52	GC01P022636	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=C1QA
RAG1	Recombination Activating 1	Coding Protein	52	GC11P036546	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RAG1
HMGA1	High Mobility Group AT-Hook 1	Coding Protein	51	GC06P043092	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HMGA1
HPSE	Heparanase	Coding Protein	51	GC04M083292	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HPSE
HSF1	Heat Shock Transcription Factor 1	Coding Protein	51	GC08P144291	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HSF1
IDO1	Indoleamine 2,3-Dioxygenase 1	Coding Protein	51	GC08P039891	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IDO1
IRF8	Interferon Regulatory Factor 8	Coding Protein	51	GC16P085898	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IRF8

KCNA2	Potassium Voltage-Gated Channel Subfamily A Member 2	Protein Coding	51	GC01M110519	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=KCNA2
CD274	CD274 Molecule	Protein Coding	51	GC09P005450	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CD274
FABP4	Fatty Acid Binding Protein 4	Protein Coding	51	GC08M081478	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FABP4
CANX	Calnexin	Protein Coding	51	GC05P179678	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CANX
AGRN	Agrin	Protein Coding	51	GC01P001020	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=AGRN
C1QB	Complement C1q B Chain	Protein Coding	51	GC01P022652	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=C1QB
C1QC	Complement C1q C Chain	Protein Coding	51	GC01P022643	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=C1QC
BAP1	BRCA1 Associated Protein 1	Protein Coding	51	GC03M052410	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=BAP1
PRF1	Perforin 1	Protein Coding	51	GC10M070597	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PRF1
MMP15	Matrix Metalloproteinase 15	Protein Coding	51	GC16P058025	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MMP15
PTGDS	Prostaglandin D2 Synthase	Protein Coding	51	GC09P136977	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PTGDS
PTPRB	Protein Tyrosine Phosphatase Receptor Type B	Protein Coding	51	GC12M070516	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PTPRB
SCARB1	Scavenger Receptor Class B Member 1	Protein Coding	51	GC12M124776	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SCARB1
SHC1	SHC Adaptor Protein 1	Protein Coding	51	GC01M154962	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SHC1
CCNA2	Cyclin A2	Protein Coding	51	GC04M121816	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CCNA2
CR1	Complement C3b/C4b Receptor 1 (Knops Blood Group)	Protein Coding	51	GC01P207496	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CR1
THBS2	Thrombospondin 2	Protein	51	GC06M169215	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=THBS2

INHA	Inhibin Subunit Alpha	Coding Protein	50	GC02P219569	0.51	bin/carddisp.pl?gene=THBS2 https://www.genecards.org/cgi-bin/carddisp.pl?gene=INHA
ID2	Inhibitor Of DNA Binding 2	Coding Protein	50	GC02P008772	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ID2
FSCN1	Fascin Actin-Bundling Protein 1	Coding Protein	50	GC07P005632	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FSCN1
LAMA4	Laminin Subunit Alpha 4	Coding Protein	50	GC06M112107	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LAMA4
LTB4R	Leukotriene B4 Receptor	Coding Protein	50	GC14P024311	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LTB4R
GNS	Glucosamine (N-Acetyl)-6-Sulfatase	Coding Protein	50	GC12M064713	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GNS
ACD	ACD Shelterin Complex Subunit And Telomerase Recruitment Factor	Coding Protein	50	GC16M067691	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ACD
GAB2	GRB2 Associated Binding Protein 2	Coding Protein	50	GC11M078215	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GAB2
GAL	Galanin And GMAP Prepropeptide	Coding Protein	50	GC11P068701	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GAL
FZD10	Frizzled Class Receptor 10	Coding Protein	50	GC12P130162	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FZD10
CITED2	Cbp/P300 Interacting Transactivator With Glu/Asp Rich Carboxy-Terminal Domain 2	Coding Protein	50	GC06M139316	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CITED2
EEF1A1	Eukaryotic Translation Elongation Factor 1 Alpha 1	Coding Protein	50	GC06M073515	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=EEF1A1
SNAI1	Snail Family Transcriptional Repressor 1	Coding Protein	50	GC20P049982	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SNAI1
SMAD1	SMAD Family Member 1	Coding Protein	50	GC04P145481	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SMAD1
SIRPA	Signal Regulatory Protein Alpha	Coding Protein	50	GC20P001894	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SIRPA
SREBF1	Sterol Regulatory Element Binding	Protein	50	GC17M017810	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SREBF1

	Transcription Factor 1	Coding				bin/carddisp.pl?gene=SREBF1
P2RX1	Purinergic Receptor P2X 1	Protein Coding	50	GC17M003896	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=P2RX1
PDGFA	Platelet Derived Growth Factor Subunit A	Protein Coding	50	GC07M000497	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PDGFA
PDYN	Prodynorphin	Protein Coding	50	GC20M001907	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PDYN
PHOX2B	Paired Like Homeobox 2B	Protein Coding	50	GC04M041746	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PHOX2B
TNFRSF14	TNF Receptor Superfamily Member 14	Protein Coding	50	GC01P002555	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TNFRSF14
VIPR2	Vasoactive Intestinal Peptide Receptor 2	Protein Coding	50	GC07M159028	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=VIPR2
TPH1	Tryptophan Hydroxylase 1	Protein Coding	50	GC11M018040	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TPH1
GRPR	Gastrin Releasing Peptide Receptor	Protein Coding	49	GC0XP016141	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GRPR
MAP3K4	Mitogen-Activated Protein Kinase Kinase Kinase 4	Protein Coding	49	GC06P160991	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MAP3K4
ITGA9	Integrin Subunit Alpha 9	Protein Coding	49	GC03P037468	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ITGA9
LPIN2	Lipin 2	Protein Coding	49	GC18M002906	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LPIN2
ETS2	ETS Proto-Oncogene 2, Transcription Factor	Protein Coding	49	GC21P038805	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ETS2
B3GAT1	Beta-1,3-Glucuronyltransferase 1	Protein Coding	49	GC11M134378	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=B3GAT1
FOXO4	Forkhead Box O4	Protein Coding	49	GC0XP071096	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FOXO4
AQP9	Aquaporin 9	Protein Coding	49	GC15P058138	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=AQP9
RXFP1	Relaxin Family Peptide Receptor 1	Protein Coding	49	GC04P158315	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RXFP1

DHRS3	Dehydrogenase/Reductase 3	Protein Coding	49	GC01M012567	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DHRS3
TNFRSF18	TNF Receptor Superfamily Member 18	Protein Coding	49	GC01M001203	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TNFRSF18
ID3	Inhibitor Of DNA Binding 3, HLH Protein	Protein Coding	48	GC01M023557	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ID3
IFI16	Interferon Gamma Inducible Protein 16	Protein Coding	48	GC01P158969	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IFI16
KDM6B	Lysine Demethylase 6B	Protein Coding	48	GC17P007834	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=KDM6B
ALCAM	Activated Leukocyte Cell Adhesion Molecule	Protein Coding	48	GC03P105366	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ALCAM
CDO1	Cysteine Dioxygenase Type 1	Protein Coding	48	GC05M115804	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CDO1
CHGA	Chromogranin A	Protein Coding	48	GC14P092923	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CHGA
CD209	CD209 Molecule	Protein Coding	48	GC19M007804	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CD209
CDH13	Cadherin 13	Protein Coding	48	GC16P082660	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CDH13
BCL3	BCL3 Transcription Coactivator	Protein Coding	48	GC19P044747	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=BCL3
BATF	Basic Leucine Zipper ATF-Like Transcription Factor	Protein Coding	48	GC14P075523	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=BATF
ATG12	Autophagy Related 12	Protein Coding	48	GC05M115828	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ATG12
FGF7	Fibroblast Growth Factor 7	Protein Coding	48	GC15P049423	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FGF7
CPA6	Carboxypeptidase A6	Protein Coding	48	GC08M067463	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CPA6
PLXNB1	Plexin B1	Protein Coding	48	GC03M048420	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PLXNB1
PLTP	Phospholipid Transfer Protein	Protein	48	GC20M045898	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PLTP

SETDB1	SET Domain Bifurcated Histone Lysine Methyltransferase 1	Coding Protein	48	GC01P150926	0.51	bin/carddisp.pl?gene=PLTP https://www.genecards.org/cgi-bin/carddisp.pl?gene=SETDB1
SRF	Serum Response Factor	Coding Protein	48	GC06P043171	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SRF
NR2C2	Nuclear Receptor Subfamily 2 Group C Member 2	Coding Protein	48	GC03P014947	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NR2C2
RAG2	Recombination Activating 2	Coding Protein	48	GC11M036575	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RAG2
PADI3	Peptidyl Arginine Deiminase 3	Coding Protein	48	GC01P017249	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PADI3
NRP2	Neuropilin 2	Coding Protein	48	GC02P205681	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NRP2
TIE1	Tyrosine Kinase With Immunoglobulin Like And EGF Like Domains 1	Coding Protein	48	GC01P043300	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TIE1
TREX1	Three Prime Repair Exonuclease 1	Coding Protein	48	GC03P048506	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TREX1
TRAP1	TNF Receptor Associated Protein 1	Coding Protein	48	GC16M003652	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TRAP1
TNFRSF10D	TNF Receptor Superfamily Member 10d	Coding Protein	48	GC08M023135	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TNFRSF10D
IL15RA	Interleukin 15 Receptor Subunit Alpha	Coding Protein	47	GC10M005991	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL15RA
GSTA4	Glutathione S-Transferase Alpha 4	Coding Protein	47	GC06M052950	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GSTA4
LTB4R2	Leukotriene B4 Receptor 2	Coding Protein	47	GC14P024633	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LTB4R2
LTBR	Lymphotoxin Beta Receptor	Coding Protein	47	GC12P006375	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LTBR
CAPZA1	Capping Actin Protein Of Muscle Z-Line Subunit Alpha 1	Coding Protein	47	GC01P112619	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CAPZA1
CAMP	Cathelicidin Antimicrobial Peptide	Coding Protein	47	GC03P048227	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CAMP

PRMT5	Protein Arginine Methyltransferase 5	Protein Coding	47	GC14M022920	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PRMT5
SLC9A2	Solute Carrier Family 9 Member A2	Protein Coding	47	GC02P102694	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SLC9A2
SHBG	Sex Hormone Binding Globulin	Protein Coding	47	GC17P007613	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SHBG
TAB3	TGF-Beta Activated Kinase 1 (MAP3K7) Binding Protein 3	Protein Coding	47	GC0XM030845	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TAB3
TIRAP	TIR Domain Containing Adaptor Protein	Protein Coding	47	GC11P126282	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TIRAP
TFF3	Trefoil Factor 3	Protein Coding	47	GC21M042311	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TFF3
KIR3DL1	Killer Cell Immunoglobulin Like Receptor, Three Ig Domains And Long Cytoplasmic Tail 1	Protein Coding	46	GC19P055131	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=KIR3DL1
CCR9	C-C Motif Chemokine Receptor 9	Protein Coding	46	GC03P045903	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CCR9
CHRDL1	Chordin Like 1	Protein Coding	46	GC0XM110674	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CHRDL1
BHLHE41	Basic Helix-Loop-Helix Family Member E41	Protein Coding	46	GC12M026120	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=BHLHE41
ACKR3	Atypical Chemokine Receptor 3	Protein Coding	46	GC02P236537	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ACKR3
CTHRC1	Collagen Triple Helix Repeat Containing 1	Protein Coding	46	GC08P103371	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CTHRC1
EDIL3	EGF Like Repeats And Discoidin Domains 3	Protein Coding	46	GC05M083940	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=EDIL3
SEMA3F	Semaphorin 3F	Protein Coding	46	GC03P050167	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SEMA3F
STEAP4	STEAP4 Metalloreductase	Protein Coding	46	GC07M088276	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=STEAP4
SULF2	Sulfatase 2	Protein Coding	46	GC20M047656	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SULF2

OXT	Oxytocin/Neurophysin I Prepropeptide	Protein Coding	46	GC20P003064	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=OXT
P2RX3	Purinergic Receptor P2X 3	Protein Coding	46	GC11P057356	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=P2RX3
PCM1	Pericentriolar Material 1	Protein Coding	46	GC08P017922	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PCM1
CSGALNACT2	Chondroitin Sulfate N-Acetylgalactosaminyltransferase 2	Protein Coding	46	GC10P043138	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CSGALNACT2
CD53	CD53 Molecule	Protein Coding	46	GC01P110871	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CD53
TRIM2	Tripartite Motif Containing 2	Protein Coding	46	GC04P153152	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TRIM2
TRAIIP	TRAF Interacting Protein	Protein Coding	46	GC03M049832	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TRAIIP
MKKS	McKusick-Kaufman Syndrome	Protein Coding	45	GC20M010385	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MKKS
IVNS1ABP	Influenza Virus NS1A Binding Protein	Protein Coding	45	GC01M185296	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IVNS1ABP
KCNIP3	Potassium Voltage-Gated Channel Interacting Protein 3	Protein Coding	45	GC02P095326	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=KCNIP3
KIR2DL4	Killer Cell Immunoglobulin Like Receptor, Two Ig Domains And Long Cytoplasmic Tail 4	Protein Coding	45	GC19P055130	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=KIR2DL4
G3BP1	G3BP Stress Granule Assembly Factor 1	Protein Coding	45	GC05P151771	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=G3BP1
DEFB1	Defensin Beta 1	Protein Coding	45	GC08M006870	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DEFB1
ADAM28	ADAM Metallopeptidase Domain 28	Protein Coding	45	GC08P024294	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ADAM28
OSCAR	Osteoclast Associated Ig-Like Receptor	Protein Coding	45	GC19M054094	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=OSCAR
PDIA2	Protein Disulfide Isomerase Family A Member 2	Protein Coding	45	GC16P000607	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PDIA2

RCOR1	REST Corepressor 1	Protein Coding	45	GC14P102592	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RCOR1
RASGRP4	RAS Guanyl Releasing Protein 4	Protein Coding	45	GC19M038409	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RASGRP4
TTF2	Transcription Termination Factor 2	Protein Coding	45	GC01P117060	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TTF2
TEP1	Telomerase Associated Protein 1	Protein Coding	45	GC14M020365	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TEP1
TERF2	Telomeric Repeat Binding Factor 2	Protein Coding	45	GC16M069355	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TERF2
TINAGL1	Tubulointerstitial Nephritis Antigen Like 1	Protein Coding	45	GC01P031576	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TINAGL1
TPST1	Tyrosylprotein Sulfotransferase 1	Protein Coding	45	GC07P066206	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TPST1
TNFRSF10C	TNF Receptor Superfamily Member 10c	Protein Coding	45	GC08P023102	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TNFRSF10C
IL17D	Interleukin 17D	Protein Coding	44	GC13P020702	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL17D
HPX	Hemopexin	Protein Coding	44	GC11M006452	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HPX
SRGN	Serglycin	Protein Coding	44	GC10P069088	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SRGN
NLRP6	NLR Family Pyrin Domain Containing 6	Protein Coding	44	GC11P000269	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NLRP6
TNFSF18	TNF Superfamily Member 18	Protein Coding	44	GC01M173009	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TNFSF18
TRIB1	Tribbles Pseudokinase 1	Protein Coding	44	GC08P125430	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TRIB1
LECT2	Leukocyte Cell Derived Chemotaxin 2	Protein Coding	43	GC05M135945	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LECT2
IER3	Immediate Early Response 3	Protein Coding	43	GC06M030743	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IER3
KIR3DL2	Killer Cell Immunoglobulin Like	Protein	43	GC19P055133	0.51	https://www.genecards.org/cgi-

	Receptor, Two Ig Domains And Long Cytoplasmic Tail 1	Coding					bin/carddisp.pl?gene=KIR2DL1
KIR2DL3	Killer Cell Immunoglobulin Like Receptor, Two Ig Domains And Long Cytoplasmic Tail 3	Protein Coding	42	GC19P055142	0.51		https://www.genecards.org/cgi-bin/carddisp.pl?gene=KIR2DL3
ANGPTL2	Angiopoietin Like 2	Protein Coding	42	GC09M127087	0.51		https://www.genecards.org/cgi-bin/carddisp.pl?gene=ANGPTL2
BAIAP2L1	BAI1 Associated Protein 2 Like 1	Protein Coding	42	GC07M098292	0.51		https://www.genecards.org/cgi-bin/carddisp.pl?gene=BAIAP2L1
ATP6V0E2	ATPase H+ Transporting V0 Subunit E2	Protein Coding	42	GC07P149873	0.51		https://www.genecards.org/cgi-bin/carddisp.pl?gene=ATP6V0E2
GALNT15	Polypeptide N-Acetylgalactosaminyltransferase 15	Protein Coding	42	GC03P016174	0.51		https://www.genecards.org/cgi-bin/carddisp.pl?gene=GALNT15
DEFA3	Defensin Alpha 3	Protein Coding	42	GC08M007015	0.51		https://www.genecards.org/cgi-bin/carddisp.pl?gene=DEFA3
ADGRE2	Adhesion G Protein-Coupled Receptor E2	Protein Coding	42	GC19M014733	0.51		https://www.genecards.org/cgi-bin/carddisp.pl?gene=ADGRE2
SAP30BP	SAP30 Binding Protein	Protein Coding	42	GC17P075667	0.51		https://www.genecards.org/cgi-bin/carddisp.pl?gene=SAP30BP
SNX19	Sorting Nexin 19	Protein Coding	42	GC11M130892	0.51		https://www.genecards.org/cgi-bin/carddisp.pl?gene=SNX19
SPA17	Sperm Autoantigenic Protein 17	Protein Coding	42	GC11P124673	0.51		https://www.genecards.org/cgi-bin/carddisp.pl?gene=SPA17
PGPEP1	Pyroglutamyl-Peptidase I	Protein Coding	42	GC19P020640	0.51		https://www.genecards.org/cgi-bin/carddisp.pl?gene=PGPEP1
CD5L	CD5 Molecule Like	Protein Coding	42	GC01M157800	0.51		https://www.genecards.org/cgi-bin/carddisp.pl?gene=CD5L
VASH1	Vasohibin 1	Protein Coding	42	GC14P076761	0.51		https://www.genecards.org/cgi-bin/carddisp.pl?gene=VASH1
UCN3	Urocortin 3	Protein Coding	42	GC10P005396	0.51		https://www.genecards.org/cgi-bin/carddisp.pl?gene=UCN3
ZNF277	Zinc Finger Protein 277	Protein Coding	42	GC07P112206	0.51		https://www.genecards.org/cgi-bin/carddisp.pl?gene=ZNF277

MEPE	Matrix Extracellular Phosphoglycoprotein	Protein Coding	41	GC04P087821	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MEPE
EFS	Embryonal Fyn-Associated Substrate	Protein Coding	41	GC14M023356	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=EFS
DEFA6	Defensin Alpha 6	Protein Coding	41	GC08M006924	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DEFA6
IL26	Interleukin 26	Protein Coding	40	GC12M068201	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL26
LBH	LBH Regulator Of WNT Signaling Pathway	Protein Coding	40	GC02P030231	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LBH
KIR3DL3	Killer Cell Immunoglobulin Like Receptor, Three Ig Domains And Long Cytoplasmic Tail 3	Protein Coding	40	GC19P055143	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=KIR3DL3
KIR2DS4	Killer Cell Immunoglobulin Like Receptor, Two Ig Domains And Short Cytoplasmic Tail 4	Protein Coding	39	GC19P055132	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=KIR2DS4
FNDC1	Fibronectin Type III Domain Containing 1	Protein Coding	39	GC06P159236	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FNDC1
CLEC5A	C-Type Lectin Domain Containing 5A	Protein Coding	39	GC07M141927	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CLEC5A
PTPA	Protein Phosphatase 2 Phosphatase Activator	Protein Coding	39	GC09P129111	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PTPA
PCOLCE2	Procollagen C-Endopeptidase Enhancer 2	Protein Coding	39	GC03M142815	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PCOLCE2
TTC38	Tetratricopeptide Repeat Domain 38	Protein Coding	39	GC22P046267	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TTC38
FAM122B	Family With Sequence Similarity 122B	Protein Coding	38	GC0XM134770	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FAM122B
SAAL1	Serum Amyloid A Like 1	Protein Coding	38	GC11M018069	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SAAL1
LVRN	Laeverin	Protein Coding	37	GC05P115962	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LVRN
UCN2	Urocortin 2	Protein	37	GC03M048561	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=UCN2

ZNF302	Zinc Finger Protein 302	Coding Protein Coding	37	GC19P034677	0.51	bin/carddisp.pl?gene=UCN2 https://www.genecards.org/cgi-bin/carddisp.pl?gene=ZNF302
CNMD	Chondromodulin	Protein Coding	34	GC13M052704	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CNMD
TERC	Telomerase RNA Component	RNA Gene	31	GC03M169765	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TERC
KIR2DL2	Killer Cell Immunoglobulin Like Receptor, Two Ig Domains And Long Cytoplasmic Tail 2	Protein Coding	29	GC19MP00144	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=KIR2DL2
RBIS	Ribosomal Biogenesis Factor	Protein Coding	29	GC08M085215	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RBIS
KIR2DL5A	Killer Cell Immunoglobulin Like Receptor, Two Ig Domains And Long Cytoplasmic Tail 5A	Protein Coding	28	GC19MR00046	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=KIR2DL5A
KIR2DS1	Killer Cell Immunoglobulin Like Receptor, Two Ig Domains And Short Cytoplasmic Tail 1	Protein Coding	28	GC19MR00013	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=KIR2DS1
KIR2DS2	Killer Cell Immunoglobulin Like Receptor, Two Ig Domains And Short Cytoplasmic Tail 2	Protein Coding	28	GC19MR00122	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=KIR2DS2
KIR2DS3	Killer Cell Immunoglobulin Like Receptor, Two Ig Domains And Short Cytoplasmic Tail 3	Protein Coding	28	GC19ME00037	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=KIR2DS3
KIR3DS1	Killer Cell Immunoglobulin Like Receptor, Three Ig Domains And Short Cytoplasmic Tail 1	Protein Coding	26	GC19MR00058	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=KIR3DS1
MIR143	MicroRNA 143	RNA Gene	23	GC05P149410	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR143
MIR124-1	MicroRNA 124-1	RNA Gene	21	GC08M009901	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR124-1
MIR216A	MicroRNA 216a	RNA Gene	21	GC02M055988	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR216A

MIR31	MicroRNA 31	RNA Gene	20	GC09M021507	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR31
MIR608	MicroRNA 608	RNA Gene	19	GC10P100974	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR608
MIR20A	MicroRNA 20a	RNA Gene	19	GC13P091412	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR20A
MIR320C1	MicroRNA 320c-1	RNA Gene	17	GC18P021683	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR320C1
MIR519B	MicroRNA 519b	RNA Gene	17	GC19P053695	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR519B
MIR558	MicroRNA 558	RNA Gene	17	GC02P032534	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR558
MIR92A2	MicroRNA 92a-2	RNA Gene	16	GC0XM134227	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR92A2
MIR602	MicroRNA 602	RNA Gene	16	GC09P137838	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR602
KIR2DP1	Killer Cell Immunoglobulin Like Receptor, Two Ig Domains Pseudogene 1	Pseudogene	12	GC19P055126	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=KIR2DP1
TALDO1P1	Transaldolase 1 Pseudogene 1	Pseudogene	7	GC01P054525	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TALDO1P1
LOC108021846	SOX9 Promoter Region	Biological Region	3	GC17U902676	0.51	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LOC108021846
PLA2G6	Phospholipase A2 Group VI	Protein Coding	54	GC22M044196	0.48	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PLA2G6
MMP11	Matrix Metalloproteinase 11	Protein Coding	51	GC22P023768	0.48	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MMP11
TMPO	Thymopoietin	Protein Coding	51	GC12P098515	0.48	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TMPO
SELENOP	Selenoprotein P	Protein Coding	34	GC05M042800	0.48	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SELENOP
CXCR6	C-X-C Motif Chemokine Receptor 6	Protein Coding	46	GC03P045982	0.38	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CXCR6

CSNK1D	Casein Kinase 1 Delta	Protein Coding	57	GC17M082239	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CSNK1D
SMAD4	SMAD Family Member 4	Protein Coding	57	GC18P051028	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SMAD4
IFNGR1	Interferon Gamma Receptor 1	Protein Coding	56	GC06M137197	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IFNGR1
CASP7	Caspase 7	Protein Coding	56	GC10P113679	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CASP7
PTPN1	Protein Tyrosine Phosphatase Non-Receptor Type 1	Protein Coding	56	GC20P050510	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PTPN1
RDX	Radixin	Protein Coding	56	GC11M109864	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RDX
TRPC6	Transient Receptor Potential Cation Channel Subfamily C Member 6	Protein Coding	56	GC11M101356	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TRPC6
IDE	Insulin Degrading Enzyme	Protein Coding	54	GC10M092451	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IDE
MAPKAPK2	MAPK Activated Protein Kinase 2	Protein Coding	54	GC01P206684	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MAPKAPK2
MC2R	Melanocortin 2 Receptor	Protein Coding	54	GC18M015731	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MC2R
GPX1	Glutathione Peroxidase 1	Protein Coding	54	GC03M049374	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GPX1
GNB3	G Protein Subunit Beta 3	Protein Coding	54	GC12P006839	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GNB3
FSHR	Follicle Stimulating Hormone Receptor	Protein Coding	54	GC02M048866	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FSHR
FGA	Fibrinogen Alpha Chain	Protein Coding	54	GC04M154583	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FGA
TRPC3	Transient Receptor Potential Cation Channel Subfamily C Member 3	Protein Coding	54	GC04M121879	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TRPC3
TPO	Thyroid Peroxidase	Protein Coding	54	GC02P001396	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TPO
HRH1	Histamine Receptor H1	Protein	53	GC03P011113	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HRH1

MSN	Moesin	Coding Protein Coding	53	GC0XP065588	0.34	bin/carddisp.pl?gene=HRH1 https://www.genecards.org/cgi-bin/carddisp.pl?gene=MSN
MBL2	Mannose Binding Lectin 2	Protein Coding	53	GC10M052760	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MBL2
LBR	Lamin B Receptor	Protein Coding	53	GC01M225401	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LBR
KLK3	Kallikrein Related Peptidase 3	Protein Coding	53	GC19P050854	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=KLK3
AMPD2	Adenosine Monophosphate Deaminase 2	Protein Coding	53	GC01P109616	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=AMPD2
FZD5	Frizzled Class Receptor 5	Protein Coding	53	GC02M207762	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FZD5
CSNK2B	Casein Kinase 2 Beta	Protein Coding	53	GC06P032503	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CSNK2B
DLG4	Discs Large MAGUK Scaffold Protein 4	Protein Coding	53	GC17M007189	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DLG4
SMPD1	Sphingomyelin Phosphodiesterase 1	Protein Coding	53	GC11P006390	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SMPD1
RBPJ	Recombination Signal Binding Protein For Immunoglobulin Kappa J Region	Protein Coding	53	GC04P026165	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RBPJ
TXNRD2	Thioredoxin Reductase 2	Protein Coding	53	GC22M019863	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TXNRD2
ITGA2	Integrin Subunit Alpha 2	Protein Coding	52	GC05P052989	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ITGA2
DCC	DCC Netrin 1 Receptor	Protein Coding	52	GC18P052340	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DCC
SLC20A2	Solute Carrier Family 20 Member 2	Protein Coding	52	GC08M042393	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SLC20A2
SMURF1	SMAD Specific E3 Ubiquitin Protein Ligase 1	Protein Coding	52	GC07M099027	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SMURF1
IGF2R	Insulin Like Growth Factor 2 Receptor	Protein Coding	51	GC06P159969	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IGF2R

GZMB	Granzyme B	Protein Coding	51	GC14M024630	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GZMB
ITGB6	Integrin Subunit Beta 6	Protein Coding	51	GC02M160099	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ITGB6
EZR	Ezrin	Protein Coding	51	GC06M158765	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=EZR
ADORA2A	Adenosine A2a Receptor	Protein Coding	51	GC22P024417	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ADORA2A
FCGR3A	Fc Fragment Of IgG Receptor IIIa	Protein Coding	51	GC01M161541	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FCGR3A
P2RY2	Purinergic Receptor P2Y2	Protein Coding	51	GC11P073217	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=P2RY2
PIK3C2A	Phosphatidylinositol-4-Phosphate 3-Kinase Catalytic Subunit Type 2 Alpha	Protein Coding	51	GC11M017136	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PIK3C2A
HGS	Hepatocyte Growth Factor-Regulated Tyrosine Kinase Substrate	Protein Coding	50	GC17P081683	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HGS
ITGAX	Integrin Subunit Alpha X	Protein Coding	50	GC16P031366	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ITGAX
LBP	Lipopolysaccharide Binding Protein	Protein Coding	50	GC20P038346	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LBP
ENPP2	Ectonucleotide Pyrophosphatase/Phosphodiesterase 2	Protein Coding	50	GC08M119556	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENPP2
FGF14	Fibroblast Growth Factor 14	Protein Coding	50	GC13M101710	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FGF14
REST	RE1 Silencing Transcription Factor	Protein Coding	50	GC04P056907	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=REST
OPRL1	Opioid Related Nociceptin Receptor 1	Protein Coding	50	GC20P064080	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=OPRL1
APOH	Apolipoprotein H	Protein Coding	50	GC17M066212	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=APOH
GDF6	Growth Differentiation Factor 6	Protein Coding	49	GC08M096142	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GDF6
SLC20A1	Solute Carrier Family 20 Member 1	Protein	49	GC02P114214	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SLC20A1

SNCAIP	Synuclein Alpha Interacting Protein	Coding Protein	49	GC05P122311	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SNCAIP
CD70	CD70 Molecule	Coding Protein	49	GC19M006583	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CD70
MIP	Major Intrinsic Protein Of Lens Fiber	Coding Protein	48	GC12M056449	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIP
ITGA11	Integrin Subunit Alpha 11	Coding Protein	48	GC15M068296	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ITGA11
MC5R	Melanocortin 5 Receptor	Coding Protein	48	GC18P013815	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MC5R
FOSB	FosB Proto-Oncogene, AP-1 Transcription Factor Subunit	Coding Protein	48	GC19P045467	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FOSB
FOSL2	FOS Like 2, AP-1 Transcription Factor Subunit	Coding Protein	48	GC02P028392	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FOSL2
DDAH2	Dimethylarginine Dimethylaminohydrolase 2	Coding Protein	48	GC06M031727	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DDAH2
DDB1	Damage Specific DNA Binding Protein 1	Coding Protein	48	GC11M061317	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DDB1
COPS5	COP9 Signalosome Subunit 5	Coding Protein	48	GC08M067077	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=COPS5
SP7	Sp7 Transcription Factor	Coding Protein	48	GC12M053326	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SP7
PAPSS1	3'-Phosphoadenosine 5'-Phosphosulfate Synthase 1	Coding Protein	48	GC04M107590	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PAPSS1
KLRB1	Killer Cell Lectin Like Receptor B1	Coding Protein	47	GC12M012618	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=KLRB1
CBX3	Chromobox 3	Coding Protein	47	GC07P026201	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CBX3
CENPJ	Centromere Protein J	Coding Protein	47	GC13M024882	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CENPJ
PTGDR2	Prostaglandin D2 Receptor 2	Coding Protein	47	GC11M060850	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PTGDR2

TRPC5	Transient Receptor Potential Cation Channel Subfamily C Member 5	Protein Coding	47	GC0XM111774	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TRPC5
KCNN1	Potassium Calcium-Activated Channel Subfamily N Member 1	Protein Coding	46	GC19P020628	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=KCNN1
SIGLEC1	Sialic Acid Binding Ig Like Lectin 1	Protein Coding	46	GC20M003667	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SIGLEC1
RHOD	Ras Homolog Family Member D	Protein Coding	46	GC11P067057	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RHOD
APOM	Apolipoprotein M	Protein Coding	46	GC06P032508	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=APOM
CD276	CD276 Molecule	Protein Coding	46	GC15P073683	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CD276
GABPA	GA Binding Protein Transcription Factor Subunit Alpha	Protein Coding	45	GC21P025734	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GABPA
ADAMTS8	ADAM Metallopeptidase With Thrombospondin Type 1 Motif 8	Protein Coding	45	GC11M130308	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ADAMTS8
SERPINA7	Serpin Family A Member 7	Protein Coding	45	GC0XM106032	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SERPINA7
SFRP5	Secreted Frizzled Related Protein 5	Protein Coding	45	GC10M097766	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SFRP5
ITGA10	Integrin Subunit Alpha 10	Protein Coding	44	GC01M145891	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ITGA10
ILF3	Interleukin Enhancer Binding Factor 3	Protein Coding	43	GC19P010625	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ILF3
NOX5	NADPH Oxidase 5	Protein Coding	43	GC15P069613	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NOX5
DPT	Dermatopontin	Protein Coding	43	GC01M168664	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DPT
ADAMTS15	ADAM Metallopeptidase With Thrombospondin Type 1 Motif 15	Protein Coding	42	GC11P130448	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ADAMTS15
PNOC	Prepronociceptin	Protein Coding	42	GC08P028316	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PNOC
NUPR1	Nuclear Protein 1, Transcriptional	Protein	42	GC16M028548	0.34	https://www.genecards.org/cgi-

	Regulator	Coding				bin/carddisp.pl?gene=NUPR1
MRPL17	Mitochondrial Ribosomal Protein L17	Protein Coding	41	GC11M006659	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MRPL17
ACKR1	Atypical Chemokine Receptor 1 (Duffy Blood Group)	Protein Coding	41	GC01P159203	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ACKR1
ABHD16A	Abhydrolase Domain Containing 16A	Protein Coding	40	GC06M032140	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ABHD16A
P4HTM	Prolyl 4-Hydroxylase, Transmembrane	Protein Coding	40	GC03P049132	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=P4HTM
GPANK1	G-Patch Domain And Ankyrin Repeats 1	Protein Coding	39	GC06M032138	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GPANK1
PRRC2A	Proline Rich Coiled-Coil 2A	Protein Coding	39	GC06P032501	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PRRC2A
C6orf47	Chromosome 6 Open Reading Frame 47	Protein Coding	37	GC06M032137	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=C6orf47
DEFB104A	Defensin Beta 104A	Protein Coding	36	GC08P007836	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DEFB104A
LY6G5C	Lymphocyte Antigen 6 Family Member G5C	Protein Coding	35	GC06M031676	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LY6G5C
CGAS	Cyclic GMP-AMP Synthase	Protein Coding	34	GC06M073414	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CGAS
CIP2A	Cell Proliferation Regulating Inhibitor Of Protein Phosphatase 2A	Protein Coding	31	GC03M108545	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CIP2A
DEFB104B	Defensin Beta 104B	Protein Coding	31	GC08M007470	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DEFB104B
GGT3P	Gamma-Glutamyltransferase 3 Pseudogene	Pseudogene	23	GC22M018773	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GGT3P
HOTTIP	HOXA Distal Transcript Antisense RNA	RNA Gene	22	GC07P027198	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HOTTIP
MIR770	MicroRNA 770	RNA Gene	17	GC14P103867	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR770
FRA1H	Fragile Site, 5-Azacytidine Type, Common, Fra(1)(Q42)	Genetic Locus	7	GC01U990057	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FRA1H

ALPL	Alkaline Phosphatase, Biom mineralization Associated	Protein Coding	57	GC01P021508	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ALPL
FADD	Fas Associated Via Death Domain	Protein Coding	53	GC11P070203	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FADD
KITLG	KIT Ligand	Protein Coding	51	GC12M088492	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=KITLG
ERRFI1	ERBB Receptor Feedback Inhibitor 1	Protein Coding	43	GC01M008064	0.34	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ERRFI1
MDM2	MDM2 Proto-Oncogene	Protein Coding	59	GC12P068808	0.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MDM2
CYP2C9	Cytochrome P450 Family 2 Subfamily C Member 9	Protein Coding	56	GC10P094938	0.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CYP2C9
HNRNPA2B1	Heterogeneous Nuclear Ribonucleoprotein A2/B1	Protein Coding	51	GC07M026174	0.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HNRNPA2B1
CALCRL	Calcitonin Receptor Like Receptor	Protein Coding	49	GC02M187341	0.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CALCRL
ELP1	Elongator Complex Protein 1	Protein Coding	39	GC09M108868	0.29	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ELP1
MAP2K2	Mitogen-Activated Protein Kinase Kinase 2	Protein Coding	60	GC19M004090	0.24	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MAP2K2
APP	Amyloid Beta Precursor Protein	Protein Coding	57	GC21M025880	0.24	https://www.genecards.org/cgi-bin/carddisp.pl?gene=APP
KRT18	Keratin 18	Protein Coding	55	GC12P052948	0.24	https://www.genecards.org/cgi-bin/carddisp.pl?gene=KRT18
SQSTM1	Sequestosome 1	Protein Coding	55	GC05P179806	0.24	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SQSTM1
NR1H2	Nuclear Receptor Subfamily 1 Group H Member 2	Protein Coding	54	GC19P050329	0.24	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NR1H2
PRKAB1	Protein Kinase AMP-Activated Non-Catalytic Subunit Beta 1	Protein Coding	54	GC12P119632	0.24	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PRKAB1
NR1H4	Nuclear Receptor Subfamily 1 Group H Member 4	Protein Coding	54	GC12P100473	0.24	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NR1H4
TXNRD1	Thioredoxin Reductase 1	Protein	54	GC12P104215	0.24	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TXNRD1

LIFR	LIF Receptor Subunit Alpha	Coding Protein	53	GC05M038475	0.24	bin/carddisp.pl?gene=TXNRD1 https://www.genecards.org/cgi-bin/carddisp.pl?gene=LIFR
LRP2	LDL Receptor Related Protein 2	Coding Protein	53	GC02M169127	0.24	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LRP2
PTGIS	Prostaglandin I2 Synthase	Coding Protein	53	GC20M049503	0.24	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PTGIS
CD79A	CD79a Molecule	Coding Protein	53	GC19P041877	0.24	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CD79A
GNAI1	G Protein Subunit Alpha I1	Coding Protein	52	GC07P079763	0.24	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GNAI1
CDK1	Cyclin Dependent Kinase 1	Coding Protein	52	GC10P060772	0.24	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CDK1
TBX5	T-Box 5	Coding Protein	52	GC12M114353	0.24	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TBX5
F13A1	Coagulation Factor XIII A Chain	Coding Protein	51	GC06M006144	0.24	https://www.genecards.org/cgi-bin/carddisp.pl?gene=F13A1
A2M	Alpha-2-Macroglobulin	Coding Protein	51	GC12M009067	0.24	https://www.genecards.org/cgi-bin/carddisp.pl?gene=A2M
SERPINF1	Serpin Family F Member 1	Coding Protein	51	GC17P001761	0.24	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SERPINF1
SNAI2	Snail Family Transcriptional Repressor 2	Coding Protein	51	GC08M048854	0.24	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SNAI2
CRHR1	Corticotropin Releasing Hormone Receptor 1	Coding Protein	51	GC17P045784	0.24	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CRHR1
SERPINA6	Serpin Family A Member 6	Coding Protein	50	GC14M094305	0.24	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SERPINA6
ALPI	Alkaline Phosphatase, Intestinal	Coding Protein	49	GC02P232456	0.24	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ALPI
FCGR3B	Fc Fragment Of IgG Receptor IIIb	Coding Protein	49	GC01M161623	0.24	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FCGR3B
IL21R	Interleukin 21 Receptor	Coding Protein	48	GC16P027413	0.24	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL21R

CNTF	Ciliary Neurotrophic Factor	Protein Coding	48	GC11P058641	0.24	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CNTF
PF4	Platelet Factor 4	Protein Coding	48	GC04M073980	0.24	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PF4
RAMP2	Receptor Activity Modifying Protein 2	Protein Coding	47	GC17P042758	0.24	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RAMP2
GAST	Gastrin	Protein Coding	46	GC17P041712	0.24	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GAST
TNIP1	TNFAIP3 Interacting Protein 1	Protein Coding	46	GC05M151029	0.24	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TNIP1
DIO1	Iodothyronine Deiodinase 1	Protein Coding	45	GC01P053891	0.24	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DIO1
CEMIP	Cell Migration Inducing Hyaluronidase 1	Protein Coding	39	GC15P080779	0.24	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CEMIP
MIR203A	MicroRNA 203a	RNA Gene	21	GC14P104119	0.24	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR203A
EGFR	Epidermal Growth Factor Receptor	Protein Coding	62	GC07P055019	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=EGFR
CDK2	Cyclin Dependent Kinase 2	Protein Coding	60	GC12P055966	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CDK2
JAK3	Janus Kinase 3	Protein Coding	58	GC19M017790	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=JAK3
ATR	ATR Serine/Threonine Kinase	Protein Coding	58	GC03M142449	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ATR
HNF4A	Hepatocyte Nuclear Factor 4 Alpha	Protein Coding	57	GC20P044355	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HNF4A
AXL	AXL Receptor Tyrosine Kinase	Protein Coding	57	GC19P041219	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=AXL
NTRK3	Neurotrophic Receptor Tyrosine Kinase 3	Protein Coding	57	GC15M087859	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NTRK3
PGR	Progesterone Receptor	Protein Coding	57	GC11M100943	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PGR
IL2RG	Interleukin 2 Receptor Subunit Gamma	Protein	55	GC0XM071108	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL2RG

IRAK1	Interleukin 1 Receptor Associated Kinase 1	Coding Protein	55	GC0XM154010	0.17	bin/carddisp.pl?gene=IL2RG https://www.genecards.org/cgi-bin/carddisp.pl?gene=IRAK1
MEF2C	Myocyte Enhancer Factor 2C	Coding Protein	55	GC05M088718	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MEF2C
EGLN1	Egl-9 Family Hypoxia Inducible Factor 1	Coding Protein	55	GC01M231363	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=EGLN1
PLK1	Polo Like Kinase 1	Coding Protein	55	GC16P023844	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PLK1
PLD1	Phospholipase D1	Coding Protein	55	GC03M171600	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PLD1
VCP	Valosin Containing Protein	Coding Protein	55	GC09M035056	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=VCP
MAPK13	Mitogen-Activated Protein Kinase 13	Coding Protein	54	GC06P043145	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MAPK13
IFIH1	Interferon Induced With Helicase C Domain 1	Coding Protein	54	GC02M162267	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IFIH1
IRAK3	Interleukin 1 Receptor Associated Kinase 3	Coding Protein	54	GC12P066188	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IRAK3
IRAK4	Interleukin 1 Receptor Associated Kinase 4	Coding Protein	54	GC12P043758	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IRAK4
EIF2AK3	Eukaryotic Translation Initiation Factor 2 Alpha Kinase 3	Coding Protein	54	GC02M088637	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=EIF2AK3
CASP10	Caspase 10	Coding Protein	54	GC02P201182	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CASP10
CLTC	Clathrin Heavy Chain	Coding Protein	54	GC17P059619	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CLTC
AXIN2	Axin 2	Coding Protein	54	GC17M065528	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=AXIN2
PNLIP	Pancreatic Lipase	Coding Protein	54	GC10P116545	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PNLIP
PRMT1	Protein Arginine Methyltransferase 1	Coding Protein	54	GC19P049675	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PRMT1

PTGIR	Prostaglandin I2 Receptor	Protein Coding	54	GC19M046611	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PTGIR
PTK2	Protein Tyrosine Kinase 2	Protein Coding	54	GC08M140657	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PTK2
PDE8B	Phosphodiesterase 8B	Protein Coding	54	GC05P077180	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PDE8B
PITX2	Paired Like Homeodomain 2	Protein Coding	54	GC04M110617	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PITX2
RHEB	Ras Homolog, MTORC1 Binding	Protein Coding	54	GC07M151466	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RHEB
TYRO3	TYRO3 Protein Tyrosine Kinase	Protein Coding	54	GC15P041557	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TYRO3
YAP1	Yes Associated Protein 1	Protein Coding	54	GC11P102110	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=YAP1
KDM6A	Lysine Demethylase 6A	Protein Coding	53	GC0XP044873	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=KDM6A
GLI1	GLI Family Zinc Finger 1	Protein Coding	53	GC12P057460	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GLI1
ATF4	Activating Transcription Factor 4	Protein Coding	53	GC22P039519	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ATF4
DDR1	Discoidin Domain Receptor Tyrosine Kinase 1	Protein Coding	53	GC06P032478	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DDR1
SDHA	Succinate Dehydrogenase Complex Flavoprotein Subunit A	Protein Coding	53	GC05P000208	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SDHA
ODC1	Ornithine Decarboxylase 1	Protein Coding	53	GC02M010432	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ODC1
IRF3	Interferon Regulatory Factor 3	Protein Coding	53	GC19M049659	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IRF3
CSF2RA	Colony Stimulating Factor 2 Receptor Alpha Subunit	Protein Coding	53	GC0XP001264	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CSF2RA
TLR8	Toll Like Receptor 8	Protein Coding	53	GC0XP012924	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TLR8
WEE1	WEE1 G2 Checkpoint Kinase	Protein	53	GC11P009573	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=WEE1

		Coding				bin/carddisp.pl?gene=WEE1
YWHAZ	Tyrosine 3-Monooxygenase/Tryptophan 5-Monooxygenase Activation Protein Zeta	Protein Coding	53	GC08M100917	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=YWHAZ
KLF4	Kruppel Like Factor 4	Protein Coding	52	GC09M107484	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=KLF4
CDH11	Cadherin 11	Protein Coding	52	GC16M064882	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CDH11
FCGR2A	Fc Fragment Of IgG Receptor IIa	Protein Coding	52	GC01P161505	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=FCGR2A
SMAD9	SMAD Family Member 9	Protein Coding	52	GC13M036844	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SMAD9
PIN1	Peptidylprolyl Cis/Trans Isomerase, NIMA-Interacting 1	Protein Coding	52	GC19P009835	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PIN1
TLR7	Toll Like Receptor 7	Protein Coding	52	GC0XP012867	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TLR7
IL23R	Interleukin 23 Receptor	Protein Coding	51	GC01P067138	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL23R
HELLS	Helicase, Lymphoid Specific	Protein Coding	51	GC10P094501	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HELLS
IL10RB	Interleukin 10 Receptor Subunit Beta	Protein Coding	51	GC21P033266	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL10RB
GP6	Glycoprotein VI Platelet	Protein Coding	51	GC19M055013	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GP6
CBFB	Core-Binding Factor Subunit Beta	Protein Coding	51	GC16P067063	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CBFB
EIF2AK2	Eukaryotic Translation Initiation Factor 2 Alpha Kinase 2	Protein Coding	51	GC02M037073	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=EIF2AK2
EIF2AK4	Eukaryotic Translation Initiation Factor 2 Alpha Kinase 4	Protein Coding	51	GC15P039934	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=EIF2AK4
ACLY	ATP Citrate Lyase	Protein Coding	51	GC17M041866	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ACLY

CISH	Cytokine Inducible SH2 Containing Protein	Protein Coding	51	GC03M050618	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CISH
CPB2	Carboxypeptidase B2	Protein Coding	51	GC13M046053	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CPB2
SEMA4A	Semaphorin 4A	Protein Coding	51	GC01P156119	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SEMA4A
S1PR2	Sphingosine-1-Phosphate Receptor 2	Protein Coding	51	GC19M010193	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=S1PR2
USP14	Ubiquitin Specific Peptidase 14	Protein Coding	51	GC18P000158	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=USP14
UGT2B7	UDP Glucuronosyltransferase Family 2 Member B7	Protein Coding	51	GC04P069051	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=UGT2B7
TGFBI	Transforming Growth Factor Beta Induced	Protein Coding	51	GC05P136027	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TGFBI
MAP3K14	Mitogen-Activated Protein Kinase Kinase Kinase 14	Protein Coding	50	GC17M045263	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MAP3K14
CLEC7A	C-Type Lectin Domain Containing 7A	Protein Coding	50	GC12M012630	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CLEC7A
AREG	Amphiregulin	Protein Coding	50	GC04P074445	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=AREG
DLX5	Distal-Less Homeobox 5	Protein Coding	50	GC07M097020	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DLX5
NPPB	Natriuretic Peptide B	Protein Coding	50	GC01M011918	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NPPB
SERPINF2	Serpin Family F Member 2	Protein Coding	50	GC17P001742	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SERPINF2
SRD5A1	Steroid 5 Alpha-Reductase 1	Protein Coding	50	GC05P006633	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SRD5A1
NTF4	Neurotrophin 4	Protein Coding	50	GC19M049061	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NTF4
TRAF3IP2	TRAF3 Interacting Protein 2	Protein Coding	50	GC06M111555	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TRAF3IP2
GAS6	Growth Arrest Specific 6	Protein	50	GC13M113820	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GAS6

HSPA1A	Heat Shock Protein Family A (Hsp70) Member 1A	Coding Protein	49	GC06P032520	0.17	bin/carddisp.pl?gene=GAS6 https://www.genecards.org/cgi-bin/carddisp.pl?gene=HSPA1A
MFGE8	Milk Fat Globule-EGF Factor 8 Protein	Coding Protein	49	GC15M088898	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MFGE8
AIMP1	Aminoacyl TRNA Synthetase Complex Interacting Multifunctional Protein 1	Coding Protein	49	GC04P106315	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=AIMP1
CYSLTR1	Cysteinyl Leukotriene Receptor 1	Coding Protein	49	GC0XM078271	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CYSLTR1
ENPP3	Ectonucleotide Pyrophosphatase/Phosphodiesterase 3	Coding Protein	49	GC06P131617	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENPP3
PYY	Peptide YY	Coding Protein	49	GC17M043952	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PYY
PTPRK	Protein Tyrosine Phosphatase Receptor Type K	Coding Protein	49	GC06M127949	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PTPRK
RGS4	Regulator Of G Protein Signaling 4	Coding Protein	49	GC01P163038	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RGS4
ROM1	Retinal Outer Segment Membrane Protein 1	Coding Protein	49	GC11P062611	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ROM1
UGT1A9	UDP Glucuronosyltransferase Family 1 Member A9	Coding Protein	49	GC02P233671	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=UGT1A9
TRADD	TNFRSF1A Associated Via Death Domain	Coding Protein	49	GC16M067154	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TRADD
LIPF	Lipase F, Gastric Type	Coding Protein	48	GC10P088664	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LIPF
HNRNPD	Heterogeneous Nuclear Ribonucleoprotein D	Coding Protein	48	GC04M082352	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HNRNPD
HCRT	Hypocretin Neuropeptide Precursor	Coding Protein	48	GC17M042185	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HCRT
H6PD	Hexose-6-Phosphate Dehydrogenase/Glucose 1-Dehydrogenase	Coding Protein	48	GC01P009294	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=H6PD
MDM4	MDM4 Regulator Of P53	Protein	48	GC01P204516	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MDM4

BST1	Bone Marrow Stromal Cell Antigen 1	Coding Protein	48	GC04P015704	0.17	bin/carddisp.pl?gene=MDM4 https://www.genecards.org/cgi-bin/carddisp.pl?gene=BST1
BNIP3	BCL2 Interacting Protein 3	Coding Protein	48	GC10M131966	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=BNIP3
ABCB7	ATP Binding Cassette Subfamily B Member 7	Coding Protein	48	GC0XM075053	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ABCB7
AGRP	Agouti Related Neuropeptide	Coding Protein	48	GC16M067482	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=AGRP
ANXA7	Annexin A7	Coding Protein	48	GC10M073375	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ANXA7
COL4A5	Collagen Type IV Alpha 5 Chain	Coding Protein	48	GC0XP108439	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=COL4A5
SEMA7A	Semaphorin 7A (John Milton Hagen Blood Group)	Coding Protein	48	GC15M074409	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SEMA7A
SOX4	SRY-Box 4	Coding Protein	48	GC06P021593	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SOX4
PLAA	Phospholipase A2 Activating Protein	Coding Protein	48	GC09M026903	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PLAA
RASGRF1	Ras Protein Specific Guanine Nucleotide Releasing Factor 1	Coding Protein	48	GC15M078959	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RASGRF1
RGS10	Regulator Of G Protein Signaling 10	Coding Protein	48	GC10M119499	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RGS10
PCSK7	Proprotein Convertase Subtilisin/Kexin Type 7	Coding Protein	48	GC11M117199	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PCSK7
HNRNPC	Heterogeneous Nuclear Ribonucleoprotein C (C1/C2)	Coding Protein	47	GC14M021210	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HNRNPC
GLRA3	Glycine Receptor Alpha 3	Coding Protein	47	GC04M174636	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GLRA3
EHF	ETS Homologous Factor	Coding Protein	47	GC11P034599	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=EHF
HSPB2	Heat Shock Protein Family B (Small) Member 2	Coding Protein	46	GC11P111913	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HSPB2

IAPP	Islet Amyloid Polypeptide	Protein Coding	46	GC12P021354	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IAPP
MFAP4	Microfibril Associated Protein 4	Protein Coding	46	GC17M019286	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MFAP4
CTRL	Chymotrypsin Like	Protein Coding	46	GC16M067927	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CTRL
DSE	Dermatan Sulfate Epimerase	Protein Coding	46	GC06P116255	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=DSE
SPAM1	Sperm Adhesion Molecule 1	Protein Coding	46	GC07P123925	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SPAM1
RGS7	Regulator Of G Protein Signaling 7	Protein Coding	46	GC01M240775	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RGS7
LMOD1	Leiomodin 1	Protein Coding	46	GC01M201896	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LMOD1
ITGAE	Integrin Subunit Alpha E	Protein Coding	45	GC17M003722	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ITGAE
MAPRE3	Microtubule Associated Protein RP/EB Family Member 3	Protein Coding	45	GC02P026935	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MAPRE3
LTB	Lymphotoxin Beta	Protein Coding	45	GC06M032132	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LTB
EBI3	Epstein-Barr Virus Induced 3	Protein Coding	45	GC19P004231	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=EBI3
NELL1	Neural EGFL Like 1	Protein Coding	45	GC11P020647	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NELL1
RGS5	Regulator Of G Protein Signaling 5	Protein Coding	45	GC01M163080	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RGS5
CCL17	C-C Motif Chemokine Ligand 17	Protein Coding	45	GC16P057404	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CCL17
UXS1	UDP-Glucuronate Decarboxylase 1	Protein Coding	45	GC02M106168	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=UXS1
UGT1A3	UDP Glucuronosyltransferase Family 1 Member A3	Protein Coding	45	GC02P233729	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=UGT1A3
TSPAN9	Tetraspanin 9	Protein	45	GC12P003057	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TSPAN9

IL1F10	Interleukin 1 Family Member 10	Coding Protein	44	GC02P113067	0.17	bin/carddisp.pl?gene=TSPAN9 https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL1F10
MADCAM1	Mucosal Vascular Addressin Cell Adhesion Molecule 1	Coding Protein	44	GC19P000499	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MADCAM1
BTLA	B And T Lymphocyte Associated	Coding Protein	44	GC03M112463	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=BTLA
EBAG9	Estrogen Receptor Binding Site Associated Antigen 9	Coding Protein	44	GC08P109536	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=EBAG9
CD83	CD83 Molecule	Coding Protein	44	GC06P014117	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CD83
TXNDC5	Thioredoxin Domain Containing 5	Coding Protein	44	GC06M007893	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TXNDC5
IRX1	Iroquois Homeobox 1	Coding Protein	43	GC05P003596	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IRX1
MATN4	Matrilin 4	Coding Protein	43	GC20M045293	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MATN4
LAIR2	Leukocyte Associated Immunoglobulin Like Receptor 2	Coding Protein	43	GC19P054515	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LAIR2
LAMP3	Lysosomal Associated Membrane Protein 3	Coding Protein	43	GC03M183122	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LAMP3
CHST4	Carbohydrate Sulfotransferase 4	Coding Protein	43	GC16P071560	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CHST4
AP2A1	Adaptor Related Protein Complex 2 Subunit Alpha 1	Coding Protein	43	GC19P049766	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=AP2A1
PHOSPHO1	Phosphoethanolamine/Phosphocholine Phosphatase	Coding Protein	43	GC17M049223	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PHOSPHO1
TET1	Tet Methylcytosine Dioxygenase 1	Coding Protein	43	GC10P068560	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TET1
HIVEP3	Human Immunodeficiency Virus Type 1 Enhancer Binding Protein 3	Coding Protein	42	GC01M041506	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HIVEP3
LILRA5	Leukocyte Immunoglobulin Like Receptor A5	Coding Protein	42	GC19M054307	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=LILRA5

ADAMTS16	ADAM Metallopeptidase With Thrombospondin Type 1 Motif 16	Protein Coding	42	GC05P005140	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ADAMTS16
CNN3	Calponin 3	Protein Coding	42	GC01M094896	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CNN3
PPARGC1B	PPARG Coactivator 1 Beta	Protein Coding	42	GC05P149730	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PPARGC1B
SLC16A4	Solute Carrier Family 16 Member 4	Protein Coding	42	GC01M110362	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SLC16A4
PIEZO1	Piezo Type Mechanosensitive Ion Channel Component 1	Protein Coding	42	GC16M088781	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=PIEZO1
ARL15	ADP Ribosylation Factor Like GTPase 15	Protein Coding	41	GC05M053883	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ARL15
COL20A1	Collagen Type XX Alpha 1 Chain	Protein Coding	41	GC20P063293	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=COL20A1
RNASE7	Ribonuclease A Family Member 7	Protein Coding	41	GC14P021042	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RNASE7
RNPC3	RNA Binding Region (RNP1, RRM) Containing 3	Protein Coding	41	GC01P103525	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=RNPC3
TNIP3	TNFAIP3 Interacting Protein 3	Protein Coding	41	GC04M121131	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TNIP3
TP53AIP1	Tumor Protein P53 Regulated Apoptosis Inducing Protein 1	Protein Coding	41	GC11M128934	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TP53AIP1
GCFC2	GC-Rich Sequence DNA-Binding Factor 2	Protein Coding	40	GC02M075652	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GCFC2
ENGASE	Endo-Beta-N-Acetylglucosaminidase	Protein Coding	40	GC17P079071	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ENGASE
IL36B	Interleukin 36 Beta	Protein Coding	39	GC02M113022	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=IL36B
JPH4	Junctophilin 4	Protein Coding	39	GC14M023568	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=JPH4
CSN1S1	Casein Alpha S1	Protein Coding	39	GC04P069932	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CSN1S1
VEGFD	Vascular Endothelial Growth Factor D	Protein	39	GC0XM015345	0.17	https://www.genecards.org/cgi-

SFMBT2	Scm Like With Four Mbt Domains 2	Coding Protein Coding	38	GC10M007244	0.17	bin/carddisp.pl?gene=VEGFD https://www.genecards.org/cgi-bin/carddisp.pl?gene=SFMBT2
CD24	CD24 Molecule	Coding Protein Coding	37	GC06M106969	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CD24
CSRNP1	Cysteine And Serine Rich Nuclear Protein 1	Coding Protein Coding	37	GC03M039159	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CSRNP1
ZBED3	Zinc Finger BED-Type Containing 3	Coding Protein Coding	37	GC05M077072	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ZBED3
GDPD4	Glycerophosphodiester Phosphodiesterase Domain Containing 4	Coding Protein Coding	36	GC11M077216	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=GDPD4
CCN5	Cellular Communication Network Factor 5	Coding Protein Coding	36	GC20P044715	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=CCN5
ERV3-1	Endogenous Retrovirus Group 3 Member 1, Envelope	Coding Protein Coding	34	GC07M064991	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=ERV3-1
NAA80	N(Alpha)-Acetyltransferase 80, NatH Catalytic Subunit	Coding Protein Coding	32	GC03M050310	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=NAA80
HEXD	Hexosaminidase D	Coding Protein Coding	31	GC17P082419	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=HEXD
TSBP1	Testis Expressed Basic Protein 1	Coding Protein Coding	28	GC06M032288	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TSBP1
MIR192	MicroRNA 192	RNA Gene	22	GC11M064891	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR192
MIR499A	MicroRNA 499a	RNA Gene	21	GC20P034990	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR499A
MIR155HG	MIR155 Host Gene	RNA Gene	20	GC21P025561	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR155HG
MIR181B1	MicroRNA 181b-1	RNA Gene	20	GC01M198858	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR181B1
MIR302B	MicroRNA 302b	RNA Gene	19	GC04M112667	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=MIR302B
SAA3P	Serum Amyloid A3, Pseudogene	Pseudogene	19	GC11M018112	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=SAA3P

HAS2-AS1	HAS2 Antisense RNA 1	RNA Gene	18	GC08P121639	0.17	bin/carddisp.pl?gene=SAA3P https://www.genecards.org/cgi-bin/carddisp.pl?gene=HAS2-AS1
UGT1A	UDP Glucuronosyltransferase Family 1 Member A Complex Locus	Protein Coding	12	GC02P233586	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=UGT1A
TRAP	Triiodothyronine Receptor Auxiliary Protein	Protein Coding	6	GC00U923131	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=TRAP
STQTL2	Stature Quantitative Trait Locus 2	Genetic Locus	4	GC07U901815	0.17	https://www.genecards.org/cgi-bin/carddisp.pl?gene=STQTL2