

nCounter® Glial Profiling Panel - Gene and Probe Details

Official Symbol	Accession	Alias / Previous Symbol	Official Full Name	Other targets or isoform Information
ABC1A	NM_005502.3	ABC1,HDLT1,ATP-binding cassette, sub-family A (ABC1), member 1	ATP binding cassette subfamily A member 1	
ABC1B	NM_000927.3	PGY1,MDR1,CLCS;colchicin sensitivity,ATP-binding cassette, sub-family B (MDR/TAP), member 1	ATP binding cassette subfamily B member 1	
ABC3	NM_001144070.1	ATP-binding cassette, sub-family C (CFTR/MRP), member 3	ATP binding cassette subfamily C member 3	
ABC8	NM_000352.4	SUR,HRINS;ATP-binding cassette, sub-family C (CFTR/MRP), member 8	ATP binding cassette subfamily C member 8	
ABCE1	NM_001040876.1	RNASEL1,RNASEL,RNS4;ATP-binding cassette, sub-family E (OABP), member 1	ATP binding cassette subfamily E member 1	
ABCG2	NM_004827.2	ATP-binding cassette, sub-family G (WHITE), member 2,ATP-binding cassette, sub-family G (WHITE), member 2 (Junior blood group)	ATP binding cassette subfamily G member 2 (Junior blood group)	
ABI2	NM_005759.5	abl-interactor 2	abl interactor 2	
ACADM	NM_000016.5	acyl-Coenzyme A dehydrogenase, C-4 to C-12 straight chain	acyl-CoA dehydrogenase medium chain	
ACADSB	NM_001609.3	acyl-Coenzyme A dehydrogenase, short/branched chain	acyl-CoA dehydrogenase short/branched chain	
ACAT1	NM_000019.3	ACAT;acetyl-Coenzyme A acetyltransferase 1	acetyl-CoA acetyltransferase 1	
ACAT2	NM_005891.2	acetyl-Coenzyme A acetyltransferase 2 (acetoacetyl Coenzyme A thiolase),acetyl-Coenzyme A acetyltransferase 2	acetyl-CoA acetyltransferase 2	
ACLY	NM_001096.2		ATP citrate lyase	
ACOT13	NM_018473.2	THYM2;thioesterase superfamily member 2	acyl-CoA thioesterase 13	
ACSL3	NM_203372.1	FACL3,fatty-acid-Coenzyme A ligase, long-chain 3	acyl-CoA synthetase long chain family member 3	
ACSL4	NM_004458.2	FACL4,MRX63,MRX68;fatty-acid-Coenzyme A ligase, long-chain 4,mental retardation, X-linked 63,mental retardation, X-linked 68	acyl-CoA synthetase long chain family member 4	
ADAM22	NM_021723.3	a disintegrin and metalloproteinase domain 22	ADAM metalloproteinase domain 22	
ADAMTS1	NM_006988.3	a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 1	ADAM metalloproteinase with thrombospondin type 1	
ADAR	NM_001025107.1	IFI4,G1P1;interferon-induced protein 4	adenosine deaminase RNA specific	
ADCY1	NM_001281768.1	DFNB44;adenylate cyclase 1 (brain),deafness, autosomal recessive 44	adenylate cyclase 1	
ADCYAP1R1	NM_001118.3	adenylate cyclase activating polypeptide 1 (pituitary) receptor type 1	ADCYAP receptor type I	
ADGRA2	NM_032777.9	GPR124;G protein-coupled receptor 124	adhesion G protein-coupled receptor A2	
ADGRG1	NM_005682.4	GPR56;G protein-coupled receptor 56	adhesion G protein-coupled receptor G1	
ADGRL4	NM_022159.3	ELTD1;EGF, latrophilin and seven transmembrane domain containing 1	adhesion G protein-coupled receptor L4	
ADH5	NM_000671.3	FDH;formaldehyde dehydrogenase	alcohol dehydrogenase 5 (class III), chi polypeptide	
ADORA1	NM_000674.1		adenosine A1 receptor	
ADORA2B	NM_000676.2		adenosine A2b receptor	
ADORA3	NM_000677.3		adenosine A3 receptor	
ADRB1	NM_000684.1	ADRB1R;adrenergic, beta-1-, receptor	adrenoreceptor beta 1	
AGMO	NM_001004320.1	TMEM195;transmembrane protein 195	alkylglycerol monoxygenase	
AHCYL1	NM_001242674.1	S-adenosylhomocysteine hydrolase-like 1,adenosylhomocysteine-like 1	adenosylhomocysteine like 1	
AIF1	NM_032955.1		allograft inflammatory factor 1	
AKT1	NM_001014432.1	v-akt murine thymoma viral oncogene homolog 1	AKT serine/threonine kinase 1	
AKT3	NM_005465.4	v-akt murine thymoma viral oncogene homolog 3	AKT serine/threonine kinase 3	
ALAS1	NM_000688.4	ALAS3,ALAS;aminolevulinatase, delta-, synthase 1	5'-aminolevulinatase synthase 1	
ALDH1A1	NM_000689.3	PUMBI1,ALDH1;aldehyde dehydrogenase 1 family, member A1	aldehyde dehydrogenase 1 family member A1	
ALDH1L1	NM_012190.2	FTHFD;formyltetrahydrofolate dehydrogenase,aldehyde dehydrogenase 1 family, member L1	aldehyde dehydrogenase 1 family member L1	
AMIGO1	NM_020703.2		adhesion molecule with lg like domain 1	
AMIGO2	NM_001143668.1		adhesion molecule with lg like domain 2	
AMPH	NM_001635.3	amphiphysin (Stiff-Mann syndrome with breast cancer 128kD autoantigen),amphiphysin (Stiff-Man syndrome with breast cancer 128kDa autoantigen)	amphiphysin	
ANAPC1	NM_022662.2		anaphase promoting complex subunit 1	
ANK2	NM_001148.5	LQT4;long (electrocardiographic) QT syndrome 4,ankyrin 2, neuronal	ankyrin 2	
ANKH	NM_054027.4	CCAL2,CMDJ;ankylosis, progressive (mouse) homolog,craniometaphyseal dysplasia, Jackson type (dominant),ankylosis, progressive homolog (mouse)	ANKH inorganic pyrophosphate transport regulator	
AP3M2	NM_001134296.1	adaptor related protein complex 3 mu 2 subunit	adaptor related protein complex 3 subunit mu 2	
APLP2	NM_001642.2	APPL2;amyloid beta (A4) precursor-like protein 2	amyloid beta precursor like protein 2	
APOE	NM_000041.2	AD2;Alzheimer disease 2 (APOE*E4-associated, late onset)	apolipoprotein E	
APP	NM_000484.3	AD1;Alzheimer disease,amyloid beta (A4) precursor protein	amyloid beta precursor protein	
AQP4	NM_004028.4		aquaporin 4	
ARG2	NM_001172.3	arginase, type II	arginase 2	
ARL6IP5	NM_006407.4	ADP-ribosylation factor-like 6 interacting protein 5	ADP ribosylation factor like GTPase 6 interacting protein 5	
ARNTL	NM_001030272.1		aryl hydrocarbon receptor nuclear translocator like	
ARPC2	NM_152862.1	actin related protein 2/3 complex, subunit 2 (34 kD),actin related protein 2/3 complex subunit 2, 34kDa	actin related protein 2/3 complex subunit 2	
ARPC5L	NM_030978.3	actin related protein 2/3 complex subunit 5-like	actin related protein 2/3 complex subunit 5 like	
ASNS	NM_183356.2	asparagine synthetase	asparagine synthetase (glutamine-hydrolyzing)	
ASS1	NM_000050.4	ASS;argininosuccinate synthetase	argininosuccinate synthase 1	
ATF2	NM_001256091.1	CREB2;cAMP responsive element binding protein 2	activating transcription factor 2	
ATG12	NM_004707.3	APG12L;App12 (autophagy 12, S. cerevisiae)-like,APG12 autophagy 12-like (S. cerevisiae),ATG12 autophagy related 12 homolog (S. cerevisiae)	autophagy related 12	
ATG2B	NM_018036.5	C14orf103;chromosome 14 open reading frame 103,ATG2 autophagy related 2 homolog B (S. cerevisiae)	autophagy related 2B	
ATG5	NM_004849.2	APG5L;APG5 (autophagy 5, S. cerevisiae)-like,APG5 autophagy 5-like (S. cerevisiae),ATG5 autophagy related 5 homolog (S. cerevisiae)	autophagy related 5	
ATP1A1	NM_000701.7	ATPase, Na+/K+ transporting, alpha 1 polypeptide	ATPase Na+/K+ transporting subunit alpha 1	
ATP1B1	NM_001677.3	ATP1B;ATPase, Na+/K+ transporting, beta 1 polypeptide	ATPase Na+/K+ transporting subunit beta 1	
ATP2A2	NM_001681.3	ATP2B,DAR;ATPase, Ca++ transporting, cardiac muscle, slow twitch 2	ATPase sarcoplasmic/endoplasmic reticulum Ca2+	
ATP2B2	NM_001001331.2	ATPase, Ca++ transporting, plasma membrane 2	ATPase plasma membrane Ca2+ transporting 2	
ATP2B3	NM_001001344.2	SCAX1,CLA2;spinocerebellar ataxia, X-linked 1,cerebellar ataxia 2 (X-linked),ATPase, Ca++ transporting, plasma membrane 3	ATPase plasma membrane Ca2+ transporting 3	
ATP2B4	NM_001684.4	ATP2B2,MXRA1;matrix-remodelling associated 1,ATPase, Ca++ transporting, plasma membrane 4	ATPase plasma membrane Ca2+ transporting 4	
ATP5F1B	NM_001686.3	ATP5B,ATP5B;ATP synthase, H+ transporting, mitochondrial F1 complex, beta polypeptide	ATP synthase F1 subunit beta	
ATP5G3	NM_001002258.4	ATP5G3;ATP synthase, H+ transporting, mitochondrial F0 complex, subunit c (subunit 9) isoform 3,ATP synthase, H+ transporting, mitochondrial F0 complex, subunit C3 (subunit 9),ATP synthase, H+ transporting, mitochondrial Fo complex, subunit C3 (subunit 9),ATP synthase, H+ transporting, mitochondrial Fo complex subunit C3 (subunit 9)	ATP synthase membrane subunit c locus 3	
ATP5F1A	NM_001688.4	ATP5F1;ATP synthase, H+ transporting, mitochondrial F0 complex, subunit b, isoform 1,ATP synthase, H+ transporting, mitochondrial F0 complex, subunit B1,ATP synthase, H+ transporting, mitochondrial F0 complex subunit B1	ATP synthase peripheral stalk-membrane subunit b	
ATP6V0D1	NM_004691.4	ATP6D;ATPase, H+ transporting, lysosomal (vacuolar proton pump), member D,ATPase, H+ transporting, lysosomal 38kDa, V0 subunit d isoform 1,ATPase, H+ transporting, lysosomal 38kDa, V0 subunit D1,ATPase, H+ transporting, lysosomal 38kDa, V0 subunit d1	ATPase H+ transporting V0 subunit d1	
ATP6V1A	NM_001690.2	VPP2,ATP6A1,ATP6V1A1;ATPase, H+ transporting, lysosomal (vacuolar proton pump), alpha polypeptide, 70kD, isoform 1,ATPase, H+ transporting, lysosomal 70kDa, V1 subunit A	ATPase H+ transporting V1 subunit A	
ATP6V1B2	NM_001693.3	VPP3,ATP6B2;ATPase, H+ transporting, lysosomal (vacuolar proton pump), beta polypeptide, 56/58kD, isoform 2,ATPase, H+ transporting, lysosomal 56/58kDa, V1 subunit B, isoform 2,ATPase, H+ transporting, lysosomal 56/58kDa, V1 subunit B2	ATPase H+ transporting V1 subunit B2	
ATP6V1C1	NM_001007254.1	ATP6D,ATP6C;ATPase, H+ transporting, lysosomal (vacuolar proton pump) 42kD,ATPase, H+ transporting, lysosomal 42kDa, V1 subunit C, isoform 1,ATPase, H+ transporting, lysosomal 42kDa, V1 subunit C1	ATPase H+ transporting V1 subunit C1	
ATP6V1D	NM_015994.2	ATP6M;ATPase, H+ transporting, lysosomal (vacuolar proton pump),ATPase, H+ transporting, lysosomal 34kDa, V1 subunit D	ATPase H+ transporting V1 subunit D	
ATP6V1E1	NM_001696.4	ATP6E,ATP6V1E;ATPase, H+ transporting, lysosomal (vacuolar proton pump) 31kD,ATPase, H+ transporting, lysosomal 31kDa, V1 subunit E isoform 1,ATPase, H+ transporting, lysosomal 31kDa, V1 subunit E1	ATPase H+ transporting V1 subunit E1	

ATP6V1G1	NM_004888.4	ATP6J,ATP6G1;ATPase, H+ transporting, lysosomal (vacuolar proton pump), member J,ATPase, H+ transporting, lysosomal 13kDa, V1 subunit G isoform 1,ATPase, H+ transporting, lysosomal 13kDa, V1 subunit G1	ATPase H+ transporting V1 subunit G1	
ATP6V1G2	NM_130463.4	ATP6G,ATP6G2;ATPase, H+ transporting, lysosomal (vacuolar proton pump),ATPase, H+ transporting, lysosomal 13kDa, V1 subunit G isoform 2,ATPase, H+ transporting, lysosomal 13kDa, V1 subunit G2	ATPase H+ transporting V1 subunit G2	
ATP6V1H	NM_213620.1	ATPase, H+ transporting, lysosomal 50/57kD, V1 subunit H,ATPase, H+ transporting, lysosomal 50/57kDa, V1 subunit H	ATPase H+ transporting V1 subunit H	
ATP8A2	NM_016529.4	ATPase, aminophospholipid transporter-like, Class I, type 8A, member 2,ATPase, aminophospholipid transporter-like, class I, type 8A, member 2,ATPase, aminophospholipid transporter, class I, type 8A, member 2	ATPase phospholipid transporting 8A2	
ATP9A	NM_006045.1	ATPase, class II, type 9A	ATPase phospholipid transporting 9A (putative)	
ATR	NM_001184.2	ataxia telangiectasia and Rad3 related	ATR serine/threonine kinase	
ATRNL1	NM_001207047.1		attractin	
AXL	NM_021913.2		AXL receptor tyrosine kinase	
B2M	NM_004048.2		beta-2-microglobulin	
B3GNT5	NM_032047.4		UDP-GlcNAc:betaGal beta-1,3-N-	
B4GALT5	NM_004776.3	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 5	beta-1,4-galactosyltransferase 5	
B4GALT6	NM_004775.3	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 6	beta-1,4-galactosyltransferase 6	
BACE1	NM_012104.4	BACE;beta-site APP-cleaving enzyme,beta-site APP-cleaving enzyme 1	beta-secretase 1	
BASP1	NM_006317.4	brain abundant, membrane attached signal protein 1	brain abundant membrane attached signal protein 1	
BAX	NM_138761.3	BCL2-associated X protein,BCL2 associated X protein	BCL2 associated X, apoptosis regulator	
BCAS1	NM_003657.3		breast carcinoma amplified sequence 1	
BDNF	NM_170732.4		brain derived neurotrophic factor	
BECL1	NM_003766.2	beclin 1 (coiled-coil, moesin-like BCL2 interacting protein),beclin 1, autophagy related	beclin 1	
BHLHE40	NM_003670.2	STRA13,BHLHE2;basic helix-loop-helix domain containing, class B, 2,basic helix-loop-helix family, member e40	basic helix-loop-helix family member e40	
BHLHE41	NM_030762.2	BHLHE3;basic helix-loop-helix domain containing, class B, 3,basic helix-loop-helix family, member e41	basic helix-loop-helix family member e41	
BIN1	NM_004305.4	AMPHL	bridging integrator 1	
BLK	NM_001715.2	B lymphoid tyrosine kinase	BLK proto-oncogene, Src family tyrosine kinase	
BRAF	NM_004333.3	v-raf murine sarcoma viral oncogene homolog B	B-Raf proto-oncogene, serine/threonine kinase	
BTRC	NM_001256856.1	beta-transducin repeat containing	beta-transducin repeat containing E3 ubiquitin protein	
BUB3	NM_004725.3	BUB3 (budding uninhibited by benzimidazoles 3, yeast) homolog,budding uninhibited by benzimidazoles 3 homolog (yeast)	BUB3 mitotic checkpoint protein	
C1QA	NM_015991.2	complement component 1, q subcomponent, alpha polypeptide,complement component 1, q subcomponent, A chain,complement C1q chain A	complement C1q A chain	
C1QB	NM_000491.3	complement component 1, q subcomponent, beta polypeptide,complement component 1, q subcomponent, B chain,complement C1q chain B	complement C1q B chain	
C1QBPA	NM_001212.3	HABP1;complement component 1, q subcomponent binding protein	complement C1q binding protein	
C1QC	NM_001114101.1	C1QG;complement component 1, q subcomponent, gamma polypeptide,complement component 1, q subcomponent, C chain	complement C1q C chain	
C1R	NM_001733.4	complement component 1, r subcomponent	complement C1r	
C1S	NM_001734.2	complement component 1, s subcomponent	complement C1s	
C3	NM_000064.2	complement component 3	complement C3	
C3AR1	NM_004054.2	complement component 3a receptor 1	complement C3a receptor 1	
C4A/B	NM_007293.2	complement component 4B,complement component 4B (Chido blood group)	complement C4B (Chido blood group)	LOC110384692 (NM_001352000), C4B_2 (NM_001242823)
C9orf72	NM_145005.6	chromosome 9 open reading frame 72	C9orf72-SMCR8 complex subunit	
CA2	NM_000067.2	carbonic anhydrase II	carbonic anhydrase 2	
CABLES1	NM_001256438.1		Cdk5 and Abl enzyme substrate 1	
CACNA1B	NM_000718.3	CACNL1A5;calcium channel, voltage-dependent, N type, alpha 1B subunit	calcium voltage-gated channel subunit alpha1 B	
CACNA1E	NM_000721.3	CACNL1A6;calcium channel, voltage-dependent, R type, alpha 1E subunit,calcium voltage-gated channel subunit alpha1 subunit E	calcium voltage-gated channel subunit alpha1 E	
CACNA2D1	NM_000722.2	CACNL2A,CACNA2,MHS3,LINC01112;long intergenic non-protein coding RNA 1112,calcium channel, voltage-dependent, alpha 2/delta subunit 1	calcium voltage-gated channel auxiliary subunit alpha2delta 1	
CACNA2D3	NM_018398.2	calcium channel, voltage-dependent, alpha 2/delta subunit 3	calcium voltage-gated channel auxiliary subunit alpha2delta 3	
CALM1	NM_006888.4	CALML2;calmodulin 1 (phosphorylase kinase, delta)	calmodulin 1	
CALM2	NM_001743.4	calmodulin 2 (phosphorylase kinase, delta)	calmodulin 2	
CALM3	NM_005184.4	calmodulin 3 (phosphorylase kinase, delta)	calmodulin 3	
CAMK2A	NM_001363989.1	CAMKA;calcium/calmodulin-dependent protein kinase (CaM kinase) II alpha	calcium/calmodulin dependent protein kinase II alpha	
CAMK2D	NM_172127.1	CAMKD;calcium/calmodulin-dependent protein kinase (CaM kinase) II delta	calcium/calmodulin dependent protein kinase II delta	
CAMK2G	NM_001222.2	CAMKG;calcium/calmodulin-dependent protein kinase (CaM kinase) II gamma	calcium/calmodulin dependent protein kinase II gamma	
CAMK4	NM_001744.3		calcium/calmodulin dependent protein kinase IV	
CASP3	NM_004346.3	caspase 3, apoptosis-related cysteine protease,caspase 3, apoptosis-related cysteine peptidase	caspase 3	
CCL13	NM_005408.2	SCYA13;small inducible cytokine subfamily A (Cys-Cys), member 13,chemokine (C-C motif) ligand 13	C-C motif chemokine ligand 13	
CCL2	NM_002982.3	SCYA2;small inducible cytokine A2 (monocyte chemotactic protein 1, homologous to mouse Sig-je),chemokine (C-C motif) ligand 2	C-C motif chemokine ligand 2	
CCL3	NM_002983.2	SCYA3;small inducible cytokine A3 (homologous to mouse Mip-1a),chemokine (C-C motif) ligand 3	C-C motif chemokine ligand 3	
CCNA1	NM_003914.3		cyclin A1	
CCNB1	NM_031966.3	CCNB	cyclin B1	
CCNH	NM_001199189.1		cyclin H	
CCR5	NM_000579.3	CMKBRS5;chemokine (C-C motif) receptor 5,chemokine (C-C motif) receptor 5 (gene/pseudogene)	C-C motif chemokine receptor 5 (gene/pseudogene)	
CD109	NM_133493.3	CD109 antigen (Gv platelet alloantigens)	CD109 molecule	
CD14	NM_000591.2	CD14 antigen	CD14 molecule	
CD163	NM_004244.4	CD163 antigen	CD163 molecule	
CD19	XM_011545981.1	CD19 antigen	CD19 molecule	
CD200	NM_005944.5	MOX1,MOX2;antigen identified by monoclonal antibody MRC OX-2,CD200 antigen	CD200 molecule	
CD200R1	NM_138806.3	MOX2R;MOX2 receptor	CD200 receptor 1	
CD209	NM_001144899.1	CD209 antigen	CD209 molecule	
CD244	NM_001166663.1	natural killer cell receptor 2B4,CD244 natural killer cell receptor 2B4,CD244 molecule, natural killer cell receptor 2B4	CD244 molecule	
CD33	NM_001177608.1	CD33 antigen (gp67)	CD33 molecule	
CD34	NM_001025109.1	CD34 antigen	CD34 molecule	
CD3D	NM_000732.4	T3D;CD3d antigen, delta polypeptide (TIT3 complex),CD3d molecule, delta (CD3-TCR complex)	CD3d molecule	
CD3E	NM_000733.2	CD3e antigen, epsilon polypeptide (TIT3 complex),CD3e molecule, epsilon (CD3-TCR complex)	CD3e molecule	
CD3G	NM_000073.2	CD3g antigen, gamma polypeptide (TIT3 complex),CD3g molecule, gamma (CD3-TCR complex)	CD3g molecule	
CD4	NM_000616.4	CD4 antigen (p55),T-cell surface glycoprotein CD4	CD4 molecule	
CD40	NM_001250.4	TNFRSF5;tumor necrosis factor receptor superfamily, member 5,CD40 molecule, TNF receptor superfamily member 5	CD40 molecule	
CD44	NM_001001392.1	MIC4,MDU2,MDU3;CD44 antigen (homing function and Indian blood group system)	CD44 molecule (Indian blood group)	
CD47	NM_001777.3	MER6;CD47 antigen (Rh-related antigen, integrin-associated signal transducer)	CD47 molecule	
CD6	NM_001254751.1	CD6 antigen	CD6 molecule	
CD68	NM_001251.2	CD68 antigen	CD68 molecule	
CD74	NM_001025158.2	DHLA;CD74 antigen (invariant polypeptide of major histocompatibility complex, class II antigen-associated),CD74 molecule, major histocompatibility complex, class II invariant chain	CD74 molecule	
CD84	NM_003874.3	CD84 antigen (leukocyte antigen),CD84 molecule	CD84 molecule	
CD8A	NM_001768.6	CD8;CD8 antigen, alpha polypeptide (p32),T-cell surface glycoprotein CD8 alpha chain	CD8a molecule	
CD8B	NM_172099.2	CD8B1;CD8 antigen, beta polypeptide 1 (p37)	CD8b molecule	CD8B2
CD9	NM_001769.2	MIC3;CD9 antigen (p24)	CD9 molecule	
CDC27	NM_001256.3	DOS1430E,D175978E,DOS1430E, D175978E	cell division cycle 27	

CDC42	NM_001039802.1	cell division cycle 42 (GTP-binding protein, 25kD),cell division cycle 42 (GTP binding protein, 25kDa)	cell division cycle 42
CDK5R1	NM_003885.2	cyclin-dependent kinase 5, regulatory subunit 1 (p35)	cyclin dependent kinase 5 regulatory subunit 1
CDK7	NM_001799.2	cyclin-dependent kinase 7 (homolog of Xenopus MO15 cdk-activating kinase),cyclin-dependent kinase 7 (MO15 homolog, Xenopus laevis, cdk-activating kinase)	cyclin dependent kinase 7
CEACAM3	NM_001815.3	CGM1,carcinoembryonic antigen-related cell adhesion molecule 3,carcinoembryonic antigen related cell adhesion molecule 3	CEA cell adhesion molecule 3
CEP68	NM_015147.2	KIAA0582;KIAA0582,centrosomal protein 68kDa	centrosomal protein 68
CFI	NM_000204.3	IF;i factor (complement)	complement factor I
CHCHD3	NM_017812.2		coiled-coil-helix-coiled-coil domain containing 3
CHI3L1	NM_001276.2	chitinase 3-like 1 (cartilage glycoprotein-39)	chitinase 3 like 1
CHN1	NM_001025201.3	CHN,DURS2;Duane retraction syndrome 2,chimerin (chimaerin) 1	chimerin 1
CHRM2	NM_001006630.1		cholinergic receptor muscarinic 2
CHRM3	NM_000740.2		cholinergic receptor muscarinic 3
CHRN2	NM_000748.3	cholinergic receptor, nicotinic, beta polypeptide 2 (neuronal),cholinergic receptor, nicotinic, beta 2 (neuronal),cholinergic receptor, nicotinic beta 2	cholinergic receptor nicotinic beta 2 subunit
CKB	NM_001823.4	CKBB;creatine kinase, brain	creatine kinase B
CLCF1	NM_013246.2	CRLF1 associated cytokine-like factor 1	cardiotrophin like cytokine factor 1
CLDN5	NM_001130861.1	AWAL,TMVCF;transmembrane protein deleted in velocardiofacial syndrome	claudin 5
CLEC7A	NM_197954.3	CLECSF12;C-type (calcium dependent, carbohydrate-recognition domain) lectin, superfamily member 12,C-type lectin domain family 7, member A,C-type lectin domain family 7 member A	C-type lectin domain containing 7A
CLTA	NM_001184762.1	clathrin, light polypeptide (Lca),clathrin, light chain A	clathrin light chain A
CLTC	NM_004859.2	CLTL2;clathrin, heavy polypeptide (Hc),clathrin, heavy chain,clathrin, heavy polypeptide-like 2,clathrin, heavy chain (Hc)	clathrin heavy chain
CNP	NM_033133.5		2',3'-cyclic nucleotide 3' phosphodiesterase
CNR1	NM_001160226.1	CNR;cannabinoid receptor 1 (brain)	cannabinoid receptor 1
CNTF	NM_000614.3		cliliary neurotrophic factor
CNTNAP1	NM_003632.2	NRXN4	contactin associated protein 1
CNTNAP2	NM_014141.4	contactin associated protein like 2	contactin associated protein 2
CPA3	NM_001870.2	carboxypeptidase A3 (mast cell)	carboxypeptidase A3
CPNE2	NM_152727.5	copine II	copine 2
CRKL	NM_005207.4	v-crk avian sarcoma virus CT10 oncogene homolog-like	CRK like proto-oncogene, adaptor protein
CROT	NM_021151.4		carnitine O-octanoyltransferase
CSF1	NM_000757.4	colony stimulating factor 1 (macrophage)	colony stimulating factor 1
CSF1R	NM_005211.3	FMS;McDonough feline sarcoma viral (v-fms) oncogene homolog	colony stimulating factor 1 receptor
CSF3R	NM_000760.3	CD114;colony stimulating factor 3 receptor (granulocyte)	colony stimulating factor 3 receptor
CSNK2A1/3	NM_001895.4	CSNK2A1;casein kinase 2, alpha 1 polypeptide pseudogene,casein kinase 2, alpha 3 polypeptide	casein kinase 2 alpha 3
CSPG4	NM_001897.4	chondroitin sulfate proteoglycan 4 (melanoma-associated)	chondroitin sulfate proteoglycan 4
CST3	NM_000099.2	cystatin C (amyloid angiopathy and cerebral hemorrhage)	cystatin C
CST7	NM_003650.3	cystatin F (leukoystatin)	cystatin F
CTNNB1	NM_001098210.1	CTNNB;catenin (cadherin-associated protein), beta 1 (88kD),catenin (cadherin-associated protein), beta 1, 88kDa,catenin (cadherin-associated protein), beta 1	catenin beta 1
CTSB	NM_147780.2		cathepsin B
CTSD	NM_001909.4	CPSD;cathepsin D (lysosomal aspartyl protease)	cathepsin D
CTSF	NM_003793.3		cathepsin F
CTSL	NM_001912.4	CTSL1;cathepsin L1	cathepsin L
CTSS	NM_004079.3		cathepsin S
CTSW	NM_001335.3	cathepsin W (lymphopain)	cathepsin W
CTTNBP2NL	NM_018704.2		CTTNBP2 N-terminal like
CUL1	NM_003592.2		cullin 1
CUL2	NM_003591.2		cullin 2
CUX2	NM_015267.3	CUTL2;cut-like 2 (Drosophila),cut-like homeobox 2	cut like homeobox 2
CX3CL1	NM_002996.4	SCYD1,small inducible cytokine subfamily D (Cys-X3-Cys), member 1 (fractalkine, neurotactin),chemokine (C-X3-C motif) ligand 1	C-X3-C motif chemokine ligand 1
CX3CR1	NM_001337.3	GPR13,CMKBR1L1;chemokine (C-X3-C) receptor 1,chemokine (C-X3-C motif) receptor 1	C-X3-C motif chemokine receptor 1
CXCL8	NM_000584.3	IL8;interleukin 8,chemokine (C-X-C motif) ligand 8	C-X-C motif chemokine ligand 8
CYBB	NM_000397.3	CGD;chronic granulomatous disease,cytochrome b-245, beta polypeptide	cytochrome b-245 beta chain
CYFIP2	NM_001037333.1		cytoplasmic FMR1 interacting protein 2
CYP2U1	NM_183075.3	SPG56;cytochrome P450, family 2, subfamily U, polypeptide 1,spastic paraplegia 56 (autosomal dominant)	cytochrome P450 family 2 subfamily U member 1
CYP4X1	NM_178033.1	cytochrome P450, family 4, subfamily X, polypeptide 1	cytochrome P450 family 4 subfamily X member 1
CYSLTR1	NM_001282186.1		cysteinyl leukotriene receptor 1
DAGLA	NM_006133.2	C11orf11;chromosome 11 open reading frame 11,diacylglycerol lipase, alpha	diacylglycerol lipase alpha
DCLK1	NM_004734.4	DCAMK1L1;doublecortin and CaM kinase-like 1,doublecortin-like kinase 1	doublecortin like kinase 1
DDAH1	NM_012137.2		dimethylarginine dimethylaminohydrolase 1
DIAPH1	NM_005219.4	DFNA1;diaphanous (Drosophila, homolog) 1,diaphanous homolog 1 (Drosophila)	diaphanous related formin 1
DLAT	NM_001931.5	DLTA	dihydrolipoamide S-acetyltransferase
DLD	NM_000108.3	LAD,GCSL;dihydrolipoamide dehydrogenase (E3 component of pyruvate dehydrogenase complex, 2-oxo-glutarate complex, branched chain keto acid dehydrogenase complex)	dihydrolipoamide dehydrogenase
DLGAP1	NM_001003809.2	discs, large (Drosophila) homolog-associated protein 1,discs large homolog associated protein 1	DLG associated protein 1
DLX1	NM_001038493.2	distal-less homeo box 1	distal-less homeobox 1
DLX2	NM_004405.3	distal-less homeo box 2	distal-less homeobox 2
DMD	NM_004014.2	MRX85;dystrophin (muscular dystrophy, Duchenne and Becker types), includes DXS142, DXS164, DXS206, DXS230, DXS239, DXS268, DXS269, DXS270, DXS272,mental retardation, X-linked 85	dystrophin
DNAJ2	NM_005880.3	Dnaj (Hsp40) homolog, subfamily A, member 2	Dnaj heat shock protein family (Hsp40) member A2
DNAJB9	NM_012328.1	MDG1;Dnaj (Hsp40) homolog, subfamily B, member 9	Dnaj heat shock protein family (Hsp40) member B9
DNAJC11	NM_018198.3	Dnaj (Hsp40) homolog, subfamily C, member 11	Dnaj heat shock protein family (Hsp40) member C11
DNAJC5	NM_025219.3	CLN4;ceroid-lipofuscinosis, neuronal 4 (Kufs disease),Dnaj (Hsp40) homolog, subfamily C, member 5	Dnaj heat shock protein family (Hsp40) member C5
DNM1	NM_004408.2	DNM	dynamain 1
DNM1L	NM_001278463.1		dynamain 1 like
DNM3	NM_015569.3		dynamain 3
DOCK3	NM_004947.4	dedicator of cyto-kinesis 3	dedicator of cytokinesis 3
DRD1	NM_000794.3		dopamine receptor D1
DUSP3	NM_004090.3	VHR;vaccinia virus phosphatase VH1-related	dual specificity phosphatase 3
DYNC1L1	NM_016141.3	DNCL1;dynein, cytoplasmic, light intermediate polypeptide 1	dynein cytoplasmic 1 light intermediate chain 1
E2F3	NM_001243076.2		E2F transcription factor 3
EGF	NM_001963.4	epidermal growth factor (beta-urogastrone)	epidermal growth factor
EGFR	NM_201282.1	ERBB;epidermal growth factor receptor (avian erythroblastic leukemia viral (v-erb-b) oncogene homolog)	epidermal growth factor receptor
EGR1	NM_001964.2		early growth response 1
EID1	NM_014335.3	C15orf3,CRI1;CREBBP/EP300 inhibitory protein 1,CREBBP/EP300 inhibitor 1	EP300 interacting inhibitor of differentiation 1
EIF2AK1	NM_014413.2		eukaryotic translation initiation factor 2 alpha kinase 1
EIF2B5	NM_003907.2		eukaryotic translation initiation factor 2B subunit epsilon
ELMO1	NM_014800.10	engulfment and cell motility 1 (ced-12 homolog, C. elegans)	engulfment and cell motility 1
ELOC	NM_001204857.1	TCEB1;transcription elongation factor B (SIII), polypeptide 1 (15kD, elongin C),transcription elongation factor B (SIII), polypeptide 1 (15kDa, elongin C),transcription elongation factor B subunit 1	elongin C
EMCN	NM_016242.3		endomucin
EMP1	NM_001423.2		epithelial membrane protein 1
ENO2	NM_001975.2	enolase 2 (gamma, neuronal)	enolase 2
ENTPD1	NM_001098175.1	CD39	ectonucleoside triphosphate diphosphohydrolase 1
ENTPD2	NM_203468.1	CD39L1	ectonucleoside triphosphate diphosphohydrolase 2

EOMES	NM_005442.2	eomesodermin (Xenopus laevis) homolog	eomesodermin
EPB41L2	NM_001199389.1		erythrocyte membrane protein band 4.1 like 2
EPB41L3	NM_012307.3		erythrocyte membrane protein band 4.1 like 3
ERBB3	NM_001005915.1	LCCS2;lethal congenital contracture syndrome 2,y-erb-b2 avian erythroblastic leukemia viral oncogene homolog 3	erb-b2 receptor tyrosine kinase 3
ERLECI	NM_001127397.2	C2orf30;chromosome 2 open reading frame 30	endoplasmic reticulum lectin 1
ERMN	NM_001304344.1	KIAA1189;KIAA1189,ermin, ERM-like protein	ermin
ESAM	NM_138961.2		endothelial cell adhesion molecule
ETV5	NM_004454.2	ets variant gene 5 (ets-related molecule),ETS variant 5	ETS variant transcription factor 5
F11R	NM_016946.5	JAM1;junctional adhesion molecule 1	F11 receptor
FA2H	NM_024306.2	FAXDC1,SPG35;fatty acid hydroxylase domain containing 1,spastic paraplegia 35 (autosomal recessive)	fatty acid 2-hydroxylase
FABP5	NM_001444.1	fatty acid binding protein 5 (psoriasis-associated)	fatty acid binding protein 5
FAM30A	NR_026800.2	C14orf110,KIAA0125;chromosome 14 open reading frame 110,KIAA0125	family with sequence similarity 30 member A
FBLN5	NM_006329.3		fibulin 5
FBXL3	NM_012158.2	FBXL3A;F-box and leucine-rich repeat protein 3A	F-box and leucine rich repeat protein 3
FBXW11	NM_033644.2	FBXW18;F-box and WD-40 domain protein 18,F-box and WD-40 domain protein 11	F-box and WD repeat domain containing 11
FCAR	NM_133278.2	Fc fragment of IgA, receptor for	Fc fragment of IgA receptor
FCGR1A/B	NM_000566.3	Fc fragment of IgG, high affinity lb, receptor for (CD64),Fc fragment of IgG, high affinity lb, receptor (CD64)	Fc fragment of IgG receptor lb
FCGR3A/B	NM_000570.4	FCGR3,FCG3;Fc fragment of IgG, low affinity IIIb, receptor for (CD16),Fc fragment of IgG, low affinity IIIb, receptor (CD16b)	Fc fragment of IgG receptor IIIb
FCGRT	XM_011526628.1	Fc fragment of IgG, receptor, transporter, alpha	Fc fragment of IgG receptor and transporter
FCRL2	NM_001159488.1	SPAP1,SH2 domain-containing phosphatase anchor protein 1,Fc receptor-like 2	Fc receptor like 2
FGF13	NM_001139498.1	LINC00889;long intergenic non-protein coding RNA 889	fibroblast growth factor 13
FGF2	NM_002006.4	FGFB;fibroblast growth factor 2 (basic)	fibroblast growth factor 2
FIG4	NM_014845.5	KIAA0274;KIAA0274,FIG4 homolog (S. cerevisiae),FIG4 homolog, SAC1 lipid phosphatase domain containing (S. cerevisiae)	FIG4 phosphoinositide 5-phosphatase
FLT1	NM_002019.4	FLT,fms-related tyrosine kinase 1 (vascular endothelial growth factor/vascular permeability factor receptor),fms-related tyrosine kinase 1,fms related tyrosine kinase 1	fms related receptor tyrosine kinase 1
FOS	NM_005252.3	v-Fos/FBJ murine osteosarcoma viral oncogene homolog,FBJ murine osteosarcoma viral oncogene homolog	Fos proto-oncogene, AP-1 transcription factor subunit
FOXP3	NM_014009.3	IPEX;immune dysregulation, polyendocrinopathy, enteropathy, X-linked	forkhead box P3
FPR1	NM_002029.3		formyl peptide receptor 1
FTH1	NM_002032.2	FTHL6;ferritin, heavy polypeptide 1	ferritin heavy chain 1
GABARAPL1	NM_031412.2	GABA(A) receptor-associated protein like 1	GABA type A receptor associated protein like 1
GABRA1	NM_000806.5	gamma-aminobutyric acid (GABA) A receptor, alpha 1	gamma-aminobutyric acid type A receptor subunit alpha1
GABRA3	NM_000808.3	gamma-aminobutyric acid (GABA) A receptor, alpha 3	gamma-aminobutyric acid type A receptor subunit alpha3
GABRA4	NM_000809.2	gamma-aminobutyric acid (GABA) A receptor, alpha 4	gamma-aminobutyric acid type A receptor subunit alpha4
GABRA5	NM_000810.3	gamma-aminobutyric acid (GABA) A receptor, alpha 5	gamma-aminobutyric acid type A receptor subunit alpha5
GABRB3	NM_000814.5	gamma-aminobutyric acid (GABA) A receptor, beta 3	gamma-aminobutyric acid type A receptor subunit beta3
GABRD	NM_000815.4	gamma-aminobutyric acid (GABA) A receptor, delta	gamma-aminobutyric acid type A receptor subunit delta
GABRG2	NM_000816.3	gamma-aminobutyric acid (GABA) A receptor, gamma 2	gamma-aminobutyric acid type A receptor subunit gamma 2
GAD1	NM_000817.2	GAD;glutamate decarboxylase 1 (brain, 67kD),glutamate decarboxylase 1 (brain, 67kDa)	glutamate decarboxylase 1
GAD2	NM_000818.2	glutamate decarboxylase 2 (pancreatic islets and brain, 65kD),glutamate decarboxylase 2 (pancreatic islets and brain, 65kDa)	glutamate decarboxylase 2
GAL3ST1	NM_004861.1		galactose-3-O-sulfotransferase 1
GALC	NM_000153.2	galactosylceramidase (Krabbe disease)	galactosylceramidase
GAS6	NM_000820.2	AXLLG;AXL receptor tyrosine kinase ligand	growth arrest specific 6
GAS7	NM_201433.2		growth arrest specific 7
GBP2	NM_004120.3	guanylate binding protein 2, interferon-inducible	guanylate binding protein 2
GDNF	NM_000514.2		glial cell derived neurotrophic factor
GDPD2	NM_001171191.1		glycerophosphodiester phosphodiesterase domain
GFAP	NM_002055.4		glial fibrillary acidic protein
GJB1	NM_000166.5	CMTX1,CMTX;gap junction protein, beta 1, 32kD (connexin 32, Charcot-Marie-Tooth neuropathy, X-linked),gap junction protein, beta 1, 32kDa (connexin 32, Charcot-Marie-Tooth neuropathy, X-linked),gap junction protein, beta 1, 32kDa (connexin 32),gap junction protein, beta 1, 32kDa	gap junction protein beta 1
GJD2	NM_020660.2		gap junction protein delta 2
GLA	NM_000169.2		galactosidase alpha
GLRA3	NM_006529.3		glycine receptor alpha 3
GLRB	NM_000824.4		glycine receptor beta
GLS	NM_014905.3		glutaminase
GLUL	NM_002065.6	GLNS;glutamate-ammonia ligase (glutamine synthase)	glutamate-ammonia ligase
GMPR2	NM_001002001.2		guanosine monophosphate reductase 2
GNAI1	NM_002069.4	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 1	G protein subunit alpha i1
GNAS	NM_080425.1	GNAS1;guanine nucleotide binding protein (G protein), alpha stimulating activity polypeptide 1	GNAS complex locus
GNB1	NM_001282539.1	guanine nucleotide binding protein (G protein), beta polypeptide 1	G protein subunit beta 1
GNG2	NM_053064.5	guanine nucleotide binding protein (G protein), gamma 2	G protein subunit gamma 2
GNG3	NM_012202.5	guanine nucleotide binding protein (G protein), gamma 3	G protein subunit gamma 3
GNLY	NM_006433.2	LAG2	granulysin
GOT1	NM_002079.2	glutamic-oxaloacetic transaminase 1, soluble (aspartate aminotransferase 1),glutamic-oxaloacetic transaminase 1, soluble	glutamic-oxaloacetic transaminase 1
GPHN	NM_020806.4		gephyrin
GPM6A	NM_005277.3	GPM6	glycoprotein M6A
GPMB	NM_001005340.1	glycoprotein (transmembrane) nmb	glycoprotein nmb
GPR17	NM_001161415.1		G protein-coupled receptor 17
GPR34	NM_005300.2		G protein-coupled receptor 34
GPR84	NM_020370.2		G protein-coupled receptor 84
GPRASP1	NM_001099410.1		G protein-coupled receptor associated sorting protein 1
GRB2	NM_002086.4	growth factor receptor-bound protein 2	growth factor receptor bound protein 2
GRIA1	NM_000827.3	GLUR1;glutamate receptor, ionotropic, AMPA 1	glutamate ionotropic receptor AMPA type subunit 1
GRIA2	NM_001083620.1	GLUR2;glutamate receptor, ionotropic, AMPA 2	glutamate ionotropic receptor AMPA type subunit 2
GRIA3	NM_000828.4	GLUR3;glutamate receptor, ionotropic, AMPA 3	glutamate ionotropic receptor AMPA type subunit 3
GRIA4	NM_000829.3	GLUR4;glutamate receptor, ionotropic, AMPA 4	glutamate ionotropic receptor AMPA type subunit 4
GRIK2	NM_021956.4	GLUR6;glutamate receptor, ionotropic, kainate 2	glutamate ionotropic receptor kainate type subunit 2
GRIN2A	NM_000833.3	NMDAR2A;glutamate receptor, ionotropic, N-methyl D-aspartate 2A	glutamate ionotropic receptor NMDA type subunit 2A
GRIN3A	NM_133445.2	glutamate receptor, ionotropic, N-methyl-D-aspartate 3A	glutamate ionotropic receptor NMDA type subunit 3A
GRK3	NM_005160.2	ADRBK2;adrenergic, beta, receptor kinase 2	G protein-coupled receptor kinase 3
GRM1	NM_000838.3	glutamate receptor, metabotropic 1	glutamate metabotropic receptor 1
GRM2	NM_001349116.2	glutamate receptor, metabotropic 2	glutamate metabotropic receptor 2
GRM7	NM_000844.2	glutamate receptor, metabotropic 7	glutamate metabotropic receptor 7
GRN	NM_002087.2		granulin precursor
GSK3B	NM_002093.2		glycogen synthase kinase 3 beta
GSN	NM_000177.4	gelsolin (amyloidosis, Finnish type)	gelsolin
GZMA	NM_006144.2	Hfsp,CTLA3;granzyme A (granzyme 1, cytotoxic T-lymphocyte-associated serine esterase 3)	granzyme A
GZMB	NM_004131.3	CTLA1,CSPB;granzyme B (granzyme 2, cytotoxic T-lymphocyte-associated serine esterase 1)	granzyme B
GZMH	NM_033423.3	CTSGL2;granzyme H (cathepsin G-like 2, protein h-CCPX)	granzyme H
HACD2	NM_198402.2	PTPLB;protein tyrosine phosphatase-like (proline instead of catalytic arginine), member b	3-hydroxyacyl-CoA dehydratase 2
HACD3	NM_016395.2	PTPLA1;protein tyrosine phosphatase-like A domain containing 1	3-hydroxyacyl-CoA dehydratase 3
HADH	NM_001184705.2	HADHSC1;3-hydroxyacyl-Coenzyme A dehydrogenase, short chain,hydroxyacyl-Coenzyme A dehydrogenase	hydroxyacyl-CoA dehydrogenase
HAMP	NM_021175.2		hepcidin antimicrobial peptide

HCN1	NM_021072.2	BCNG1;hyperpolarization activated cyclic nucleotide-gated potassium channel 1	hyperpolarization activated cyclic nucleotide gated potassium channel 1
HDAC2	NM_001527.1		histone deacetylase 2
HDC	NM_002112.3		histidine decarboxylase
HECTD1	NM_015382.2	HECT domain containing E3 ubiquitin protein ligase 1	HECT domain E3 ubiquitin protein ligase 1
HEXB	NM_000521.3	hexosaminidase B (beta polypeptide)	hexosaminidase subunit beta
HILPDA	NM_013332.1	C7orf68;chromosome 7 open reading frame 68,hypoxia inducible lipid droplet-associated	hypoxia inducible lipid droplet associated
HK1	NM_033496.2		hexokinase 1
HLA-A	NM_002116.5		major histocompatibility complex, class I, A
HLA-E	NM_005516.5		major histocompatibility complex, class I, E
HMG1	NM_002128.4	HMG1;high-mobility group (nonhistone chromosomal) protein 1,high-mobility group box 1	high mobility group box 1
HMOX1	NM_002133.2		heme oxygenase 1
HPGDS	NM_014485.2		hematopoietic prostaglandin D synthase
HSD11B1	NM_181755.1	HSD11B,HSD11;hydroxysteroid (11-beta) dehydrogenase 1	hydroxysteroid 11-beta dehydrogenase 1
HSD17B4	NM_000414.3		hydroxysteroid 17-beta dehydrogenase 4
HSP90A1	NM_007355.3	HSPC2,HSPC8;heat shock 90kD protein 1, beta,heat shock 90kDa protein 1, beta,heat shock protein 90kDa alpha (cytosolic), class B member 1	heat shock protein 90 alpha family class B member 1
HSPA1A	NM_005345.5	HSPA1A;heat shock 70kD protein 1A,heat shock 70kDa protein 1A	heat shock protein family A (Hsp70) member 1A
HSPA9A	NM_004134.4	HSPA9B;heat shock 70kDa protein 9B (mortalin-2),heat shock 70kDa protein 9 (mortalin)	heat shock protein family A (Hsp70) member 9
HTR5A	NM_024012.2		5-hydroxytryptamine receptor 5A
ICAM2	NM_000873.3		intercellular adhesion molecule 2
IFIT1	NM_001548.3	G10P1,IFI56,IFNA1;interferon-induced protein with tetratricopeptide repeats 1	interferon induced protein with tetratricopeptide repeats 1
IFIT3	NM_001031683.2	IFIT4;interferon-induced protein with tetratricopeptide repeats 4,interferon-induced protein with tetratricopeptide repeats 3	interferon induced protein with tetratricopeptide repeats 3
IFNAR1	NM_000629.2	IFNAR;interferon (alpha, beta and omega) receptor 1	interferon alpha and beta receptor subunit 1
IFNGR2	NM_005534.3	IFNGT1;interferon gamma receptor 2 (interferon gamma transducer 1)	interferon gamma receptor 2
IGF1	NM_000618.3		insulin like growth factor 1
IGFBP5	NM_000599.3		insulin like growth factor binding protein 5
IL10	NM_000572.2		interleukin 10
IL10RA	NM_001558.2	IL10R;interleukin 10 receptor, alpha	interleukin 10 receptor subunit alpha
IL18	NM_001562.3	interleukin 18 (interferon-gamma-inducing factor)	interleukin 18
IL1A	NM_000575.3	IL1	interleukin 1 alpha
IL1B	NM_000576.2		interleukin 1 beta
IL21R	NM_181079.4		interleukin 21 receptor
IL34	NM_152456.1	C16orf77;chromosome 16 open reading frame 77	interleukin 34
IL4	NM_000589.2		interleukin 4
IL6	NM_000600.3	IFNB2;interleukin 6 (interferon, beta 2)	interleukin 6
IMMT	NM_006839.2		inner membrane mitochondrial protein
INA	NM_032727.4	NEF5;internexin neuronal intermediate filament protein, alpha	internexin neuronal intermediate filament protein alpha
INPP5F	NM_001243194.1		inositol polyphosphate 5-phosphatase F
IP6K2	NM_001005910.2	IHPK2;inositol hexaphosphate kinase 2	inositol hexakisphosphate kinase 2
IRF8	NM_002163.2	ICSBP1;interferon consensus sequence binding protein 1	interferon regulatory factor 8
ISLR2	NM_001130136.1		immunoglobulin superfamily containing leucine rich repeat
ITGA7	NM_002206.1	integrin, alpha 7	integrin subunit alpha 7
ITGAM	NM_000632.3	CR3A,CD11B;integrin, alpha M (complement component receptor 3, alpha; also known as CD11b (p170), macrophage antigen alpha polypeptide),integrin, alpha M (complement component 3 receptor 3 subunit)	integrin subunit alpha M
ITGAX	NM_000887.4	CD11C;integrin, alpha X (antigen CD11C (p150), alpha polypeptide),integrin, alpha X (complement component 3 receptor 4 subunit)	integrin subunit alpha X
ITM2A	NM_004867.4		integral membrane protein 2A
ITPR1	NM_001099952.2	SCA15,SCA16,SCA29;spinocerebellar ataxia 15,spinocerebellar ataxia 16,spinocerebellar ataxia 29,inositol 1,4,5-trisphosphate receptor, type 1	inositol 1,4,5-trisphosphate receptor type 1
JAK1	NM_002227.1	JAK1B	Janus kinase 1
JAK2	NM_004972.3		Janus kinase 2
JUN	NM_002228.3	v-jun avian sarcoma virus 17 oncogene homolog,jun oncogene	Jun proto-oncogene, AP-1 transcription factor subunit
KCNAB1	NM_003471.3	potassium voltage-gated channel, shaker-related subfamily, beta member 1	potassium voltage-gated channel subfamily A member regulatory beta subunit 1
KCND1	NM_004979.4	potassium voltage-gated channel, Shal-related subfamily, member 1,potassium channel, voltage gated Shal related subfamily D, member 1	potassium voltage-gated channel subfamily D member 1
KCND2	NM_012281.3	potassium voltage-gated channel, Shal-related subfamily, member 2	potassium voltage-gated channel subfamily D member 2
KCNK13	NM_022054.3	potassium channel, subfamily K, member 13,potassium channel, two pore domain subfamily K, member 13	potassium two pore domain channel subfamily K member 13
KCNQ3	NM_004519.2	EBN2;potassium voltage-gated channel, KQT-like subfamily, member 3,potassium channel, voltage gated KQT-like subfamily Q, member 3	potassium voltage-gated channel subfamily Q member 3
KCNQ5	NM_001160132.1	potassium voltage-gated channel, KQT-like subfamily, member 5,potassium channel, voltage gated KQT-like subfamily Q, member 5	potassium voltage-gated channel subfamily Q member 5
KCNV1	NM_014379.2	potassium channel, subfamily V, member 1,potassium channel, voltage gated modifier subfamily V, member 1	potassium voltage-gated channel modifier subfamily V member 1
KCTD12	NM_138444.2	C13orf2;chromosome 13 open reading frame 2,potassium channel tetramerisation domain containing 12	potassium channel tetramerization domain containing 12
KHSRP	NM_001366299.1		KH-type splicing regulatory protein
KIR2DL3	NM_015868.2	killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 3	killer cell immunoglobulin like receptor, two Ig domains and long cytoplasmic tail 3
KIR3DL1	NM_001322168.1	KIR,killer cell immunoglobulin-like receptor, three domains, long cytoplasmic tail, 1	killer cell immunoglobulin like receptor, three Ig domains and long cytoplasmic tail 1
KIR3DL2	NM_006737.2	killer cell immunoglobulin-like receptor, three domains, long cytoplasmic tail, 2	killer cell immunoglobulin like receptor, three Ig domains and long cytoplasmic tail 2
KITLG	NM_003994.5	MGF	KIT ligand
KLHL12	NM_021633.2	kelch-like 12 (Drosophila)	kelch like family member 12
KLRB1	NM_002258.2	NKR;killer cell lectin-like receptor subfamily B, member 1	killer cell lectin like receptor B1
KLRD1	NM_001351060.1	CD94;killer cell lectin-like receptor subfamily D, member 1	killer cell lectin like receptor D1
KLRK1	NM_007360.1	D12S2489E;DNA segment on chromosome 12 (unique) 2489 expressed sequence,killer cell lectin-like receptor subfamily K, member 1	killer cell lectin like receptor K1
KPNA1	NM_002264.2	karyopherin alpha 1 (importin alpha 5),karyopherin alpha 1	karyopherin subunit alpha 1
KRAS	NM_033360.2	KRAS2,v-Ki-ras2 Kirsten rat sarcoma 2 viral oncogene homolog,v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog,Kirsten rat sarcoma viral oncogene homolog	KRAS proto-oncogene, GTPase
LAG3	NM_002286.5	lymphocyte-activation gene 3	lymphocyte activating 3
LAIR1	NM_001289023.2	leukocyte-associated Ig-like receptor 1,leukocyte-associated immunoglobulin-like receptor 1	leukocyte associated immunoglobulin like receptor 1
LAMP1	NM_005561.3	lysosomal-associated membrane protein 1	lysosomal associated membrane protein 1
LAMP2	NM_002294.2	lysosomal-associated membrane protein 2	lysosomal associated membrane protein 2
LAMTOR3	NM_001243736.1	MAP2K1IP1,MAPKSP1;mitogen-activated protein kinase kinase 1 interacting protein 1,MAPK scaffold protein 1	late endosomal/lysosomal adaptor, MAPK and MTOR activator 3
LGALS3	NM_001177388.1	LGALS2;lectin, galactoside-binding, soluble, 3	galectin 3
LGMN	NM_001008530.2	PRSC1;protease, cysteine, 1 (legumain)	legumain
LILRB4	NM_001278429.3	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 4	leukocyte immunoglobulin like receptor B4
LPAR6	NM_005767.3	P2RY5;purinergic receptor P2Y, G-protein coupled, 5	lysophosphatidic acid receptor 6
LPL	NM_000237.2	LIPD	lipoprotein lipase
LRRC25	NM_145256.2		leucine rich repeat containing 25
LRRC7	NM_020794.2		leucine rich repeat containing 7
LSR	NM_205835.3		lipolysis stimulated lipoprotein receptor
LTA4H	NM_001256643.1		leukotriene A4 hydrolase

LTC4S	NM_145867.1		leukotriene C4 synthase	
LYZ	NM_000239.2	lysozyme (renal amyloidosis)	lysozyme	
MAD2L1	NM_002358.3	MAD2 (mitotic arrest deficient, yeast, homolog)-like 1	mitotic arrest deficient 2 like 1	
MAFB	NM_005461.4	KRML;Kreiser (mouse) maf-related leucine zipper homolog,v-maf avian musculoaponeurotic fibrosarcoma oncogene homolog B	MAF bZIP transcription factor B	
MAG	NM_001199216.1	GMA	myelin associated glycoprotein	
MAL2	NM_052886.2	mal, T-cell differentiation protein 2 (gene/pseudogene)	mal, T cell differentiation protein 2 (gene/pseudogene)	
MAP1LC3B	NM_022818.5		microtubule associated protein 1 light chain 3 beta	MAP1LC3B2 (NM_001085481)
MAP2	NM_001039538.1		microtubule associated protein 2	
MAP2K1	NM_002755.3	PRKMK1	mitogen-activated protein kinase kinase 1	
MAP2K4	NM_003010.2	SERK1	mitogen-activated protein kinase kinase 4	
MAP3K4	NM_005922.2	MEKK4	mitogen-activated protein kinase kinase kinase 4	
MAPK1	NM_138957.2	PRKM2,PRKM1	mitogen-activated protein kinase 1	
MAPK10	NM_138981.2	PRKM10	mitogen-activated protein kinase 10	
MAPK13	NM_002754.3	PRKM13	mitogen-activated protein kinase 13	
MAPK14	NM_001315.2	CSPB1,CSBP1,CSBP2	mitogen-activated protein kinase 14	
MAPK8	NM_002750.2	PRKM8	mitogen-activated protein kinase 8	
MAPK9	NM_001135044.1	PRKM9	mitogen-activated protein kinase 9	
MAPT	NM_016834.4	DDPAC,MAPTL	microtubule associated protein tau	
MBP	NM_002385.2		myelin basic protein	
MBTPS1	NM_003791.2	membrane-bound transcription factor protease, site 1	membrane bound transcription factor peptidase, site 1	
MEAF6	NM_001270875.2	C1orf149;chromosome 1 open reading frame 149,MYST/Esa1-associated factor 6	MYST/Esa1 associated factor 6	
MEF2A	NM_005587.2		myocyte enhancer factor 2A	
MERTK	NM_006343.2	c-mer proto-oncogene tyrosine kinase	MER proto-oncogene, tyrosine kinase	
MKI67	NM_002417.2	antigen identified by monoclonal antibody Ki-67	marker of proliferation Ki-67	
MKRN1	NM_013446.4		makorin ring finger protein 1	
MMUT	NM_000255.2	MUT;methylmalonyl Coenzyme A mutase	methylmalonyl-CoA mutase	
MOG	NM_001008228.2		myelin oligodendrocyte glycoprotein	
MS4A1	NM_152866.2	CD20;membrane-spanning 4-domains, subfamily A, member 1 FCER1B,IGER,APY;IgE responsiveness (atopic),membrane-spanning 4-domains, subfamily A, member 2 (Fc fragment of IgE, high affinity I, receptor for; beta polypeptide),membrane-spanning 4-domains, subfamily A, member 2	membrane spanning 4-domains A1	
MS4A2	NM_000139.3		membrane spanning 4-domains A2	
MS4A4A	NM_001243266.1	MS4A4;membrane-spanning 4-domains, subfamily A, member 4,membrane-spanning 4-domains, subfamily A, member 4A	membrane spanning 4-domains A4A	
MSR1	NM_002445.3		macrophage scavenger receptor 1	
MTMR4	NM_004687.4		myotubularin related protein 4	
MTOR	NM_004958.3	FRAP,FRAP2,FRAP1;FK506 binding protein 12-rapamycin associated protein 1,mechanistic target of rapamycin (serine/threonine kinase),mechanistic target of rapamycin	mechanistic target of rapamycin kinase	
MX1	NM_002462.2	myxovirus (influenza) resistance 1, homolog of murine (interferon-inducible protein p78),myxovirus (influenza virus) resistance 1, interferon-inducible protein p78 (mouse)	MX dynamin like GTPase 1	
MYCT1	NM_025107.2		MYC target 1	
MYO5A	NM_000259.1	MYH12,myosin VA (heavy polypeptide 12, myosin),myosin VA (heavy chain 12, myosin)	myosin VA	
MYORG	NM_020702.5	KIAA1161;KIAA1161	myogenesis regulating glycosidase (putative)	
MYRF	NM_013279.4	C11orf9;chromosome 11 open reading frame 9	myelin regulatory factor	
NAP1L2	NM_021963.4	nucleosome assembly protein 1-like 2	nucleosome assembly protein 1 like 2	
NCAM1	NM_000615.5		neural cell adhesion molecule 1	
NCAM2	NM_004540.4		neural cell adhesion molecule 2	
NCAN	NM_004386.3	CSPG3;chondroitin sulfate proteoglycan 3	neurocan	
NCF1	NM_000265.4	neutrophil cytosolic factor 1 (47kD, chronic granulomatous disease, autosomal 1)	neutrophil cytosolic factor 1	
NCKAP1	NM_013436.3		NCK associated protein 1	
NCR1	NM_004829.5	LY94;lymphocyte antigen 94 (mouse) homolog (activating NK-receptor; NK-p46)	natural cytotoxicity triggering receptor 1	
NDUFA10	NM_004544.3	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 10 (42kD),NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 10, 42kDa	NADH:ubiquinone oxidoreductase subunit A10	
NDUFB5	NM_002492.3	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 5 (16kD, SGDH),NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 5, 16kDa	NADH:ubiquinone oxidoreductase subunit B5	
NEFH	NM_021076.3	neurofilament, heavy polypeptide 200kDa,neurofilament heavy polypeptide	neurofilament heavy	
NEFL	NM_006158.3	neurofilament, light polypeptide 68kDa,neurofilament, light polypeptide	neurofilament light	
NES	NM_006617.1		nestin	
NF1	NM_000267.2		neurofibromin 1	
NGF	NM_002506.2	NGFB;nerve growth factor (beta polypeptide)	nerve growth factor	
NINJ2	NM_016533.6		ninjurin 2	
NRG7	NM_005601.3	natural killer cell group 7 sequence	natural killer cell granule protein 7	
NKIRAS1	NM_020345.3	NFKB inhibitor interacting Ras-like protein 1	NFKB inhibitor interacting Ras like 1	
NLK	NM_016231.4	nemo-like kinase	nemo like kinase	
NLRP1	NM_033004.2	NALP1,SLEV1;NACHT, leucine rich repeat and PYD (pyrin domain) containing 1,systemic lupus erythematosus, vitiligo-related 1	NLR family pyrin domain containing 1	
NLRP3	NM_001079821.2	C1orf7,CIAS1,DFNA34;cold autoinflammatory syndrome 1,deafness, autosomal dominant 34	NLR family pyrin domain containing 3	
NMNAT2	NM_170706.3	C1orf15;chromosome 1 open reading frame 15	nicotinamide nucleotide adenyltransferase 2	
NOS1AP	NM_014697.3	nitric oxide synthase 1 (neuronal) adaptor protein	nitric oxide synthase 1 adaptor protein	
NOS2	NM_000625.4	NOS2A;nitric oxide synthase 2A (inducible, hepatocytes),nitric oxide synthase 2, inducible	nitric oxide synthase 2	
NOSTRN	NM_001039724.3	nitric oxide synthase trafficker	nitric oxide synthase trafficking	
NPAS2	NM_002518.3		neuronal PAS domain protein 2	
NPTN	NM_001161363.1	SDFR1;stromal cell derived factor receptor 1	neuroplastin	
NRCAM	NM_005010.4		neuronal cell adhesion molecule	
NRG1	NM_004495.2	HGL,NRG1-IT2;NRG1 intronic transcript 2 (non-protein coding)	neuregulin 1	Sub-maximal transcript coverage due to non-overlapping transcripts
NRXN1	NM_001320156.1		neurexin 1	
NSF	NM_006178.3	N-ethylmaleimide-sensitive factor,N-ethylmaleimide sensitive factor	N-ethylmaleimide sensitive factor, vesicle fusing ATPase	
NUAK1	NM_014840.2	NUAK family, SNF1-like kinase, 1	NUAK family kinase 1	
NWD1	NM_001007525.3		NACHT and WD repeat domain containing 1	
OLFML3	NM_058170.3		olfactomedin 3	
OLFML3	NM_020190.4	olfactomedin-like 3	olfactomedin like 3	
OLIG1	NM_138983.3		oligodendrocyte transcription factor 1	
OLIG2	NM_005806.3	PRKCBP2,BHLHB1;protein kinase C binding protein 2,oligodendrocyte lineage transcription factor 2	oligodendrocyte transcription factor 2	
OPA1	NM_130837.1	optic atrophy 1 (autosomal dominant),OPA1, mitochondrial dynamin like GTPase	OPA1 mitochondrial dynamin like GTPase	
OPCML	NM_002545.4		opioid binding protein/cell adhesion molecule like	
ORSV1	NM_030876.5	olfactory receptor, family 5, subfamily V, member 1	olfactory receptor family 5 subfamily V member 1	
ORC3	NM_181837.1	ORC3L;origin recognition complex, subunit 3 (yeast homolog)-like,origin recognition complex, subunit 3-like (yeast),origin recognition complex, subunit 3 homolog (yeast),origin recognition complex, subunit 3	origin recognition complex subunit 3	
ORC4	NM_181742.1	ORC4L;origin recognition complex, subunit 4 (yeast homolog)-like,origin recognition complex, subunit 4-like (yeast),origin recognition complex, subunit 4-like (S. cerevisiae),origin recognition complex, subunit 4 homolog (S. cerevisiae),origin recognition complex, subunit 4	origin recognition complex subunit 4	
P2RX7	NM_002562.5	purinergic receptor P2X, ligand-gated ion channel, 7	purinergic receptor P2X 7	
P2RY1	NM_002563.2	purinergic receptor P2Y, G-protein coupled, 1	purinergic receptor P2Y1	
P2RY11	NM_002566.4	purinergic receptor P2Y, G-protein coupled, 11	purinergic receptor P2Y11	
P2RY12	NM_022788.3	purinergic receptor P2Y, G-protein coupled, 12	purinergic receptor P2Y12	
P2RY13	NM_176894.2	GPR94,GPR86;G protein-coupled receptor 86,purinergic receptor P2Y, G-protein coupled, 13	purinergic receptor P2Y13	
P2RY14	NM_014879.2	GPR105;G protein-coupled receptor 105,purinergic receptor P2Y, G-protein coupled, 14	purinergic receptor P2Y14	
P2RY6	NM_176797.1	pyrimidinergic receptor P2Y, G-protein coupled, 6	pyrimidinergic receptor P2Y6	
PAK1	NM_002576.3	p21/Cdc42/Rac1-activated kinase 1 (yeast Ste20-related),p21/Cdc42/Rac1-activated kinase 1 (STE20 homolog, yeast),p21 protein (Cdc42/Rac)-activated kinase 1	p21 (RAC1) activated kinase 1	
PANX1	NM_015368.3		pannexin 1	

PARP2	NM_005484.3	ADPRTL2;ADP-ribosyltransferase (NAD+; poly(ADP-ribose) polymerase)-like 2,poly (ADP-ribose) polymerase family, member 2	poly(ADP-ribose) polymerase 2
PCCA	NM_000282.3	propionyl Coenzyme A carboxylase, alpha polypeptide	propionyl-CoA carboxylase subunit alpha
PDE1A	NM_005019.3	phosphodiesterase 1A, calmodulin-dependent	phosphodiesterase 1A
PDGFRA	NM_006206.3	platelet-derived growth factor receptor, alpha polypeptide	platelet derived growth factor receptor alpha
PDHA1	NM_000284.3	PDHA;pyruvate dehydrogenase (lipoamide) alpha 1,pyruvate dehydrogenase alpha 1	pyruvate dehydrogenase E1 subunit alpha 1
PDHB	NM_000925.3	pyruvate dehydrogenase (lipoamide) beta	pyruvate dehydrogenase E1 subunit beta
PDPK1	XM_011522521.2		3-phosphoinositide dependent protein kinase 1
PECAM1	NM_000442.3	platelet/endothelial cell adhesion molecule 1	platelet and endothelial cell adhesion molecule 1
PFKP	NM_002627.3		phosphofructokinase, platelet
PGAM1	NM_002629.3	PGAMA;phosphoglycerate mutase 1 (brain)	phosphoglycerate mutase 1
PGK1	NM_000291.2		phosphoglycerate kinase 1
PHYH	NM_001037537.1	phytanoyl-CoA hydroxylase (Refsum disease),phytanoyl-CoA hydroxylase	phytanoyl-CoA 2-hydroxylase
PIAS1	NM_016166.1	DDXB1;DEAD/H (Asp-Glu-Ala-Asp/His) box binding protein 1	protein inhibitor of activated STAT 1
PIK3CB	NM_006219.1	PIK3C1;phosphoinositide-3-kinase, catalytic, beta polypeptide,phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit beta	phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit beta
PIK3R1	NM_181504.2	phosphoinositide-3-kinase, regulatory subunit 1 (alpha)	phosphoinositide-3-kinase regulatory subunit 1
PKD2	NM_000297.2	polycystic kidney disease 2 (autosomal dominant)	polycystin 2, transient receptor potential cation channel
PLAA	NM_001031689.2		phospholipase A2 activating protein
PLCB4	NM_182797.2	phospholipase C, beta 4	phospholipase C beta 4
PLEKHB1	NM_021200.3	PHRET1;PH domain containing, retinal 1,pleckstrin homology domain containing, family B (evectins) member 1	pleckstrin homology domain containing B1
PLLP	NM_015993.2	TM45F11;transmembrane 4 superfamily member 11 (plasmolipin),plasma membrane proteolipid (plasmolipin)	plasmolipin
PLP1	NM_000533.3	SPG2,PLP;spastic paraplegia 2, uncomplicated	proteolipid protein 1
PLXDC2	NM_032812.7		plexin domain containing 2
PLXNB3	NM_001163257.1	PLXN6	plexin B3
PMPEA1	NM_199171.2	TMEPAI;transmembrane, prostate androgen induced RNA	prostate transmembrane protein, androgen induced 1
PMP22	NM_000304.3	CMT1A;Charcot-Marie-Tooth neuropathy 1A (greatly reduced nerve conduction velocity, hereditary motor sensory neuropathy la)	peripheral myelin protein 22
PNOG	NM_001284244.1		preproniceptin
POR	NM_000941.2	P450 (cytochrome) oxidoreductase	cytochrome p450 oxidoreductase
PPM1A	NM_021003.4	protein phosphatase 1A (formerly 2C), magnesium-dependent, alpha isoform,protein phosphatase, Mg2+/Mn2+ dependent, 1A	protein phosphatase, Mg2+/Mn2+ dependent 1A
PPM1L	NM_139245.2	protein phosphatase 1 (formerly 2C)-like,protein phosphatase, Mg2+/Mn2+ dependent, 1L	protein phosphatase, Mg2+/Mn2+ dependent 1L
PPP2CA	NM_002715.2	protein phosphatase 2 (formerly 2A), catalytic subunit, alpha isoform,protein phosphatase 2, catalytic subunit, alpha isozyme	protein phosphatase 2 catalytic subunit alpha
PPP2R2B	NM_181676.2	SCA12;spinocerebellar ataxia 12,protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), beta isoform	protein phosphatase 2 regulatory subunit Bbeta
PPP3CB	NM_021132.2	CALNB;protein phosphatase 3 (formerly 2B), catalytic subunit, beta isoform (calcineurin A beta),protein phosphatase 3 (formerly 2B), catalytic subunit, beta isoform,protein phosphatase 3, catalytic subunit, beta isozyme	protein phosphatase 3 catalytic subunit beta
PPP3R1	NM_000945.3	protein phosphatase 3 (formerly 2B), regulatory subunit B (19kD), alpha isoform (calcineurin B, type I),protein phosphatase 3 (formerly 2B), regulatory subunit B, 19kDa, alpha isoform (calcineurin B, type I),protein phosphatase 3 (formerly 2B), regulatory subunit B, alpha isoform,protein phosphatase 3, regulatory subunit B, alpha	protein phosphatase 3 regulatory subunit B, alpha
PPT1	NM_000310.3	PPT	palmitoyl-protein thioesterase 1
PRF1	NM_001083116.1	perforin 1 (pore forming protein)	perforin 1
PRKAB1	NM_006253.4	protein kinase, AMP-activated, beta 1 non-catalytic subunit	protein kinase AMP-activated non-catalytic subunit beta 1
PRKAB2	NM_005399.5	protein kinase, AMP-activated, beta 2 non-catalytic subunit	protein kinase AMP-activated non-catalytic subunit beta 2
PRKACB	NM_182948.2	protein kinase, cAMP-dependent, catalytic, beta,protein kinase, cAMP-dependent, beta catalytic subunit	protein kinase cAMP-activated catalytic subunit beta
PRKAG1	NM_002733.3	protein kinase, AMP-activated, gamma 1 non-catalytic subunit	protein kinase AMP-activated non-catalytic subunit gamma
PRKAR1A	NM_212472.1	PRKAR1,TSE1;tissue specific extinguiser 1,protein kinase, cAMP-dependent, regulatory, type I, alpha,protein kinase, cAMP-dependent, regulatory subunit type I alpha	protein kinase cAMP-dependent type I regulatory subunit alpha
PRKCD	NM_006254.3	protein kinase C, delta	protein kinase C delta
PRKCE	NM_005400.2	protein kinase C, epsilon	protein kinase C epsilon
PRKCI	NM_002740.5	DXS1179E;protein kinase C, iota	protein kinase C iota
PRKCQ	NM_006257.2	protein kinase C, theta	protein kinase C theta
PRKCZ	NM_002744.4	protein kinase C, zeta	protein kinase C zeta
PRKDC	NM_001081640.1	HYRC;HYRC1;protein kinase, DNA-activated, catalytic polypeptide	protein kinase, DNA-activated, catalytic subunit
PROS1	NM_000313.1	PROS;protein S (alpha)	protein S
PSEN1	NM_000021.2	AD3;Alzheimer disease 3	presenilin 1
PSMA5	NM_002790.2	proteasome (prosome, macropain) subunit, alpha type, 5,proteasome subunit alpha 5	proteasome 20S subunit alpha 5
PSMB8	NM_004159.4	LMP7;proteasome (prosome, macropain) subunit, beta type, 8 (large multifunctional protease 7),large multifunctional peptidase 7,proteasome (prosome, macropain) subunit, beta type, 8,proteasome subunit beta 8	proteasome 20S subunit beta 8
PSMC6	NM_002806.3	proteasome (prosome, macropain) 26S subunit, ATPase, 6	proteasome 26S subunit, ATPase 6
PSMD10	NM_002814.2	proteasome (prosome, macropain) 26S subunit, non-ATPase, 10	proteasome 26S subunit, non-ATPase 10
PSMD14	NM_005805.4	proteasome (prosome, macropain) 26S subunit, non-ATPase, 14	proteasome 26S subunit, non-ATPase 14
PSMD6	NM_001271779.1	proteasome (prosome, macropain) 26S subunit, non-ATPase, 6	proteasome 26S subunit, non-ATPase 6
PTGER4	NM_000958.2	prostaglandin E receptor 4 (subtype EP4)	prostaglandin E receptor 4
PTGIS	NM_000961.3	prostaglandin I2 (prostacyclin) synthase	prostaglandin I2 synthase
PTGS2	NM_000963.1	prostaglandin-endoperoxide synthase 2 (prostaglandin G/H synthase and cyclooxygenase)	prostaglandin-endoperoxide synthase 2
PTH2R	NM_001371906.1	PTH2R;parathyroid hormone receptor 2	parathyroid hormone 2 receptor
PTK2	NM_005607.5	PTK2 protein tyrosine kinase 2	protein tyrosine kinase 2
PTK2B	NM_004103.3	FAK2;FAK2	protein tyrosine kinase 2 beta
PTPN1	NM_002827.3	PTP1B	protein tyrosine phosphatase non-receptor type 1
PTPN11	NM_002834.3	NS1;Noonan syndrome 1,protein tyrosine phosphatase, non-receptor type 11	protein tyrosine phosphatase non-receptor type 11
PTPRC	NM_080923.2	CD45	protein tyrosine phosphatase receptor type C
PTPRM	NM_002845.3	PTPRL1	protein tyrosine phosphatase receptor type M
PTPRZ1	NM_002851.2	PTPZ,PTPRZ;protein tyrosine phosphatase, receptor-type, Z polypeptide 1	protein tyrosine phosphatase receptor type Z1
PTX3	NM_002852.3	TNFAIP5;pentaxin-related gene, rapidly induced by IL-1 beta,tumor necrosis factor, alpha-induced protein 5, pentaxin-related gene, rapidly induced by IL-1 beta, pentaxin 3, long	pentaxin 3
QDPR	NM_001306140.1		quinoid dihydropteridine reductase
RAB3A	NM_002866.4		RAB3A, member RAS oncogene family
RAB6B	NM_016577.3		RAB6B, member RAS oncogene family
RAD23B	NM_001244713.1	RAD23 (S. cerevisiae) homolog B,RAD23 homolog B (S. cerevisiae)	RAD23 homolog B, nucleotide excision repair protein
RANBP9	NM_005493.2		RAN binding protein 9
RAPGEF2	NM_014247.2	PDZGEF1;PDZ domain containing guanine nucleotide exchange factor (GEF) 1,Rap guanine nucleotide exchange factor (GEF) 2	Rap guanine nucleotide exchange factor 2
RASA1	NM_002890.2	RASA;RAS p21 protein activator (GTPase activating protein) 1	RAS p21 protein activator 1
RASGRF1	NM_001145648.1	GRF1	Ras protein specific guanine nucleotide releasing factor 1
RASGRP1	NM_005739.3	RAS guanyl releasing protein 1 (calcium and DAG-regulated)	RAS guanyl releasing protein 1
RBX1	NM_014248.2		ring-box 1
RECK	NM_021111.2	ST15	reversion inducing cysteine rich protein with kazal motifs
REEP5	NM_005669.4	C5orf18;chromosome 5 open reading frame 18	receptor accessory protein 5
RET	NM_020630.4	HSCR1,MEN2A,MTC1,MEN2B;multiple endocrine neoplasia and medullary thyroid carcinoma 1,Hirschsprung disease 1	ret proto-oncogene
RFX4	NM_213594.1	regulatory factor X, 4 (influences HLA class II expression)	regulatory factor X4
RHOB	NM_004040.2	ARH6,ARHB;ras homolog gene family, member B	ras homolog family member B
RIMS1	NM_001168410.1	RAB31P2,CORD7;RAB3 interacting protein 2	regulating synaptic membrane exocytosis 1
RLIM	NM_183353.2	RNF12;ring finger protein 12	ring finger protein, LIM domain interacting
RNASEL	NM_021133.3	RNS4,PRCA1;prostate cancer 1,ribonuclease L (2',5'-oligoadenylate synthetase-dependent)	ribonuclease L

Sub-maximal transcript coverage due to non-overlapping transcripts

RNF10	NM_014868.3		ring finger protein 10
ROCK2	NM_004850.3		Rho associated coiled-coil containing protein kinase 2
RORB	NM_006914.3	RAR-related orphan receptor B	RAR related orphan receptor B
RTN1	NM_021136.2	NSP;neuroendocrine-specific protein	reticulin 1
RTN4	NM_007008.2		reticulin 4
RXFP1	NM_021634.4	LGR7;leucine-rich repeat-containing G protein-coupled receptor 7,relaxin/insulin like family peptide receptor 1	relaxin family peptide receptor 1
S100A10	NM_002966.1	ANX2LG,CAL1L;S100 calcium-binding protein A10 (annexin II ligand, calpactin I, light polypeptide (p11))	S100 calcium binding protein A10
S100A12	NM_005621.1	S100 calcium-binding protein A12 (calgranulin C)	S100 calcium binding protein A12
S100B	NM_006272.2	S100 calcium binding protein, beta (neural)	S100 calcium binding protein B
SALL1	NM_002968.2	TBS;sal (Drosophila)-like 1,sal-like 1 (Drosophila)	spalt like transcription factor 1
SALL3	NM_171999.3	sal (Drosophila)-like 3,sal-like 3 (Drosophila)	spalt like transcription factor 3
SAMM50	NM_015380.4	sorting and assembly machinery component 50 homolog (S. cerevisiae)	SAMM50 sorting and assembly machinery component
SCD5	NM_024906.2	SCD4;stearoyl-CoA desaturase 4	stearoyl-CoA desaturase 5
SCN1A	NM_006920.4	SCN1,FEb3;febrile convulsions 3,sodium channel, voltage-gated, type I, alpha subunit,sodium channel, voltage gated, type I alpha subunit	sodium voltage-gated channel alpha subunit 1
SCN8A	NM_014191.2	MED;sodium channel, voltage gated, type VIII, alpha polypeptide,sodium channel, voltage gated, type VIII, alpha subunit,sodium channel, voltage gated, type VIII alpha subunit	sodium voltage-gated channel alpha subunit 8
SCOC	NM_032547.3	short coiled coil protein	short coiled-coil protein
SCP2	NM_001007100.2		sterol carrier protein 2
SEC23A	NM_006364.2	Sec23 (S. cerevisiae) homolog A,Sec23 homolog A (S. cerevisiae)	Sec23 homolog A, COPII coat complex component
SEC61A2	NM_001142627.1	Sec61 alpha 2 subunit (S. cerevisiae)	SEC61 translocon subunit alpha 2
SELENOS	NM_203472.1	VIMP;VCP-interacting membrane protein,VCP interacting membrane selenoprotein	selenoprotein S
SELPLG	NM_001206609.1		selectin P ligand
SERINC3	NM_006811.2	TDE1;tumor differentially expressed 1	serine incorporator 3
SERPINA3	NM_001085.4	AACT;alpha-1-antitrypsin,serine (or cysteine) proteinase inhibitor, clade A (alpha-1 antitrypsin, antitrypsin), member 3,serpin peptidase inhibitor, clade A (alpha-1 antitrypsin, antitrypsin), member 3	serpin family A member 3
SERPINE2	NM_006216.2	P17;serine (or cysteine) proteinase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 2,serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 2	serpin family E member 2
SERPING1	NM_000062.2	C1NH;serine (or cysteine) proteinase inhibitor, clade G (C1 inhibitor), member 1, (angioedema, hereditary),serpin peptidase inhibitor, clade G (C1 inhibitor), member 1	serpin family G member 1
SERPINI1	NM_005025.4	PI12;serine (or cysteine) proteinase inhibitor, clade I (neuroserpin), member 1	serpin family I member 1
SGCE	NM_001099400.1	DYT11	sarcoglycan epsilon
SH2D1A	NM_002351.4	IMD5,LYP;jymphoproliferative syndrome,SH2 domain protein 1A	SH2 domain containing 1A
SH3GL2	NM_003026.2	SH3 domain containing GRB2 like 2	SH3 domain containing GRB2 like 2, endophilin A1
SHANK2	NM_012309.4	CORTBP1;cortactin binding protein 1	SH3 and multiple ankyrin repeat domains 2
SHC3	NM_016848.5	src homology 2 domain containing transforming protein C3,SHC (Src homology 2 domain containing) transforming protein 3	SHC adaptor protein 3
SIGLEC5	NM_003830.3	CD33L2;sialic acid binding lg-like lectin 5	sialic acid binding lg like lectin 5
SIRPA	NM_001040022.1	PTPNS1;protein tyrosine phosphatase, non-receptor type substrate 1,signal-regulatory protein alpha sirtuin (silent mating type information regulation 2, S.cerevisiae, homolog) 5,sirtuin (silent mating type information regulation 2 homolog) 5 (S. cerevisiae)	signal regulatory protein alpha
SIRT5	NM_012241.3		sirtuin 5
SKP1	NM_006930.3	SKP1A,S-phase kinase-associated protein 1A (p19A)	S-phase kinase associated protein 1
SLC10A6	NM_197965.2	solute carrier family 10 (sodium/bile acid cotransporter), member 6	solute carrier family 10 member 6
SLC11A1	NM_000578.3	LSH,NRAMP,NRAMP1;solute carrier family 11 (proton-coupled divalent metal ion transporter), member 1	solute carrier family 11 member 1
SLC12A2	NM_001046.2	solute carrier family 12 (sodium/potassium/chloride transporter), member 2	solute carrier family 12 member 2
SLC12A5	NM_001134771.1	solute carrier family 12 (potassium/chloride transporter), member 5	solute carrier family 12 member 5
SLC17A6	NM_020346.2	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 6,solute carrier family 17 (vesicular glutamate transporter), member 6	solute carrier family 17 member 6
SLC17A7	NM_020309.2	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 7,solute carrier family 17 (vesicular glutamate transporter), member 7	solute carrier family 17 member 7
SLC1A3	NM_004172.4	solute carrier family 1 (glial high affinity glutamate transporter), member 3	solute carrier family 1 member 3
SLC24A3	NM_020689.3	solute carrier family 24 (sodium/potassium/calcium exchanger), member 3	solute carrier family 24 member 3
SLC25A12	NM_003705.5	solute carrier family 25 (mitochondrial carrier, Aralar), member 12,solute carrier family 25 (aspartate/glutamate carrier), member 12	solute carrier family 25 member 12
SLC25A4	NM_001151.4	PEO3,PEO2,ANT1;solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 4	solute carrier family 25 member 4
SLC2A5	NM_003039.2	GLUT5;solute carrier family 2 (facilitated glucose/fructose transporter), member 5	solute carrier family 2 member 5
SLC38A1	NM_001077484.1	solute carrier family 38, member 1	solute carrier family 38 member 1
SLC38A2	NM_018976.4	solute carrier family 38, member 2	solute carrier family 38 member 2
SLC46A1	NM_001242366.1	solute carrier family 46, member 1,solute carrier family 46 (folate transporter), member 1	solute carrier family 46 member 1
SLC6A1	NM_003042.3	solute carrier family 6 (neurotransmitter transporter, GABA), member 1,solute carrier family 6 (neurotransmitter transporter), member 1	solute carrier family 6 member 1
SLC7A8	NM_001267036.1	solute carrier family 7 (amino acid transporter light chain, L system), member 8	solute carrier family 7 member 8
SLC8A1	NM_021097.1	NCX1;solute carrier family 8 (sodium/calcium exchanger), member 1	solute carrier family 8 member A1
SLC9A6	NM_001042537.1	solute carrier family 9 (sodium/hydrogen exchanger), isoform 6,solute carrier family 9 (sodium/hydrogen exchanger), member 6,solute carrier family 9, subfamily A (NHE6, cation proton antiporter 6), member 6	solute carrier family 9 member A6
SLC9B2	NM_178833.4	NHEDC2;Na+/H+ exchanger domain containing 2,solute carrier family 9, subfamily B (cation proton antiporter 2), member 2,solute carrier family 9, subfamily B (NHA2, cation proton antiporter 2), member 2	solute carrier family 9 member B2
SLCO2B1	NM_001145211.2	SLC21A9;solute carrier family 21 (organic anion transporter), member 9,solute carrier organic anion transporter family, member 2B1	solute carrier organic anion transporter family member 2B1
SLPI	NM_003064.2	secretory leukocyte protease inhibitor (antileukoprotease)	secretory leukocyte peptidase inhibitor
SMAD3	NM_005902.3	MADH3;MAD, mothers against decapentaplegic homolog 3 (Drosophila),SMAD, mothers against DPP homolog 3 (Drosophila)	SMAD family member 3
SNAP25	NM_003081.3	SNAP;synaptosomal-associated protein, 25kDa	synaptosome associated protein 25
SOD1	NM_000454.4	ALS,ALS1;amyotrophic lateral sclerosis 1 (adult),superoxide dismutase 1, soluble	superoxide dismutase 1
SORL1	NM_003105.4	C11orf32;chromosome 11 open reading frame 32,sortilin-related receptor, L(DLR class) A repeats-containing	sortilin related receptor 1
SOX10	NM_006941.3	SRY (sex determining region Y)-box 10,SRY-box 10	SRY-box transcription factor 10
SOX2	NM_003106.3	SRY (sex determining region Y)-box 2,SRY-box 2	SRY-box transcription factor 2
SOX9	NM_000346.3	CMD1,CMPD1;campomelic dysplasia, autosomal sex-reversal,SRY (sex determining region Y)-box 9,SRY-box 9	SRY-box transcription factor 9
SPARC	NM_003118.3	ON;osteonectin	secreted protein acidic and cysteine rich
SPHK1	NM_021972.2		sphingosine kinase 1
SPI1	NM_003120.1	spleen focus forming virus (SFFV) proviral integration oncogene	Spi-1 proto-oncogene
SPIB	NM_003121.4	Spi-B transcription factor (Spi-1/PU.1 related)	Spi-B transcription factor
SPP1	NM_000582.2	BNSP,OPN;osteopectin,bone sialoprotein I	secreted phosphoprotein 1
SPTAN1	NM_001130438.1		spectrin alpha, non-erythrocytic 1
SQSTM1	NM_001142298.1	PDB3,OSIL;Paget disease of bone 3,oxidative stress induced like	sequestosome 1
SRGN	NM_002727.3	PRG,PRG1;proteoglycan 1, secretory granule	serglycin
SRPRA	NM_001177842.1	SRPR;signal recognition particle receptor (docking protein)	SRP receptor subunit alpha
STAB1	NM_015136.2		stabilin 1
STAMBPL1	NM_020799.2	STAM binding protein-like 1	STAM binding protein like 1
STAT1	NM_139266.1	signal transducer and activator of transcription 1, 91kD,signal transducer and activator of transcription 1, 91kDa	signal transducer and activator of transcription 1

Sub-maximal transcript coverage due to non-overlapping transcripts

STAT2	NM_005419.3	signal transducer and activator of transcription 2, 113kDa,signal transducer and activator of transcription 2, 113kDa	signal transducer and activator of transcription 2
STAT3	NM_003150.3	signal transducer and activator of transcription 3 (acute-phase response factor)	signal transducer and activator of transcription 3
STMN1	NM_203401.1	LAP18,C1orf215;chromosome 1 open reading frame 215, stathmin 1/oncoprotein 18	stathmin 1
STMN4	NM_030795.2	stathmin-like 4	stathmin 4
STXBP1	NM_001032221.3		stathmin binding protein 1
SUGT1	NM_001130912.1	SGT1, suppressor of G2 allele of SKP1 (S. cerevisiae)	SGT1 homolog, MIS12 kinetochore complex assembly cochaperone
SUMO1	NM_003352.8	UBL1;ubiquitin-like 1 (sentrin),SMT3 suppressor of mif two 3 homolog 1 (yeast),SMT3 suppressor of mif two 3 homolog 1 (S. cerevisiae)	small ubiquitin like modifier 1
SYBU	NM_001099744.1	syntabulin (syntaxin-interacting)	syntabulin
SYN1	NM_006950.3	MRX50;mental retardation, X-linked 50	synapsin I
SYN2	NM_003178.5		synapsin II
SYNGR1	NM_145731.3		synaptogyrin 1
SYT1	NM_005639.2	SYT,SVP65;synaptotagmin I	synaptotagmin 1
SYT13	NM_001247987.2	synaptotagmin XIII	synaptotagmin 13
SYT4	NM_020783.3	synaptotagmin IV	synaptotagmin 4
TANC2	NM_025185.3		tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 2
TAP1	NM_000593.5	ABCB2;transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)	transporter 1, ATP binding cassette subfamily B member
TARDBP	NM_007375.3		TAR DNA binding protein
TBK1	NM_013254.2	TANK-binding kinase 1	TANK binding kinase 1
TBR1	NM_006593.4	T-box, brain, 1,T-box, brain 1	T-box brain transcription factor 1
TBX21	NM_013351.1	T-box 21	T-box transcription factor 21
TCL1A	NM_001098725.1	T-cell leukemia/lymphoma 1A	T cell leukemia/lymphoma 1A
TENM4	NM_001098816.3	OD24;od2, odd O2/ten-m homolog 4 (Drosophila)	teneurin transmembrane protein 4
TSEC	NM_012252.2		transcription factor EC
TGFB1	NM_000660.4	TGFB,DPD1;transforming growth factor, beta 1	transforming growth factor beta 1
TGFBRI1	NM_004612.2	MSSE,ESS1,multiple self-healing squamous epithelioma,transforming growth factor beta receptor 1 ICR2;transglutaminase 1 (K polypeptide epidermal type I, protein-glutamine-gamma-glutamyltransferase)	transforming growth factor beta receptor 1
TGM1	NM_000359.2		transglutaminase 1
TH	NM_000360.3		tyrosine hydroxylase
THRB	NM_000461.4	ERBA2,PRTH;thyroid hormone receptor, beta (avian erythroblastic leukemia viral (v-erb-a) oncogene homolog 2),pituitary resistance to thyroid hormone,thyroid hormone receptor, beta (erythroblastic leukemia viral (v-erb-a) oncogene homolog 2, avian),thyroid hormone receptor, beta	thyroid hormone receptor beta
THY1	NM_006288.4		Thy-1 cell surface antigen
TIAM1	NM_001353691.1	T-cell lymphoma invasion and metastasis 1	TIAM Rac1 associated GEF 1
TICAM1	NM_014261.1	toll-like receptor adaptor molecule 1	toll like receptor adaptor molecule 1
TIE1	NM_005424.2	TIE;tyrosine kinase with immunoglobulin and epidermal growth factor homology domains 1,tyrosine kinase with immunoglobulin-like and EGF-like domains 1	tyrosine kinase with immunoglobulin like and EGF like domains 1
TIMP2	NM_003255.4	tissue inhibitor of metalloproteinase 2	TIMP metalloproteinase inhibitor 2
TJP1	NM_175610.2		tight junction protein 1
TLN2	NM_015059.2		talain 2
TLR2	NM_003264.3	toll-like receptor 2	toll like receptor 2
TLR3	NM_003265.2	toll-like receptor 3	toll like receptor 3
TLR4	NM_138554.2	toll-like receptor 4	toll like receptor 4
TLR7	NM_016562.3	toll-like receptor 7	toll like receptor 7
TM4SF1	NM_014220.2	M351;transmembrane 4 superfamily member 1	transmembrane 4 L six family member 1
TMEM100	NM_018286.2		transmembrane protein 100
TMEM119	NM_181724.2		transmembrane protein 119
TMEM47	NM_031442.4	TM4SF10;transmembrane 4 superfamily member 10	transmembrane protein 47
TMEM88B	NM_001146685.1		transmembrane protein 88B
TMSB4X	NM_021109.4	TMSB4;thymosin, beta 4, X chromosome	thymosin beta 4 X-linked
TNF	NM_000594.2	TNFA;tumor necrosis factor (TNF superfamily, member 2)	tumor necrosis factor
TNFRSF11A	NM_003839.3	PDB2,LOH18CR1;tumor necrosis factor receptor superfamily, member 11a, activator of NFkB,Pageet disease of bone 2,loss of heterozygosity, 18, chromosomal region 1,tumor necrosis factor receptor superfamily, member 11a, NFKB activator	TNF receptor superfamily member 11a
TNFRSF17	NM_001192.2	BCMA;tumor necrosis factor receptor superfamily, member 17	TNF receptor superfamily member 17
TNFRSF21	NM_014452.3	tumor necrosis factor receptor superfamily, member 21	TNF receptor superfamily member 21
TP1	NM_000365.5		triosephosphate isomerase 1
TPSAB1/B2	NM_003294.3		
TRAC	ENST00000611116.1		T cell receptor alpha constant
TRAT1	NM_016388.3	TCRIM;TCRIM	T cell receptor associated transmembrane adaptor 1
TREM2	NM_018965.3	triggering receptor expressed on myeloid cells 2a	triggering receptor expressed on myeloid cells 2
TRIM17	NM_001024940.2	RNF16;tripartite motif-containing 17	tripartite motif containing 17
TRIM2	NM_001302694.1	tripartite motif-containing 2	tripartite motif containing 2
TRIM26	NM_001242783.1	ZNF173;tripartite motif-containing 26	tripartite motif containing 26
TRIM3	NM_006458.2	RNF22;tripartite motif-containing 3	tripartite motif containing 3
TRIM35	NM_171982.3	tripartite motif-containing 35	tripartite motif containing 35
TRIM37	NM_015294.4	MUL;tripartite motif-containing 37	tripartite motif containing 37
TRIM45	NM_025188.4	tripartite motif-containing 45	tripartite motif containing 45
TRIM46	NM_025058.4	tripartite motif-containing 46	tripartite motif containing 46
TRIM68	NM_001304496.2	RNF137;ring finger protein 137,tripartite motif-containing 68	tripartite motif containing 68
TSC1	NM_001162427.1	TSC;tuberous sclerosis 1	TSC complex subunit 1
TSPAN7	NM_004615.3	MXS1,TM4SF2,MRXS8;transmembrane 4 superfamily member 2,mental retardation, X-linked 58	tetraspanin 7
TSPO	NM_000714.6	BZRP;benzodiazepine receptor (peripheral),translocator protein (18kDa)	translocator protein
TUSC3	NM_006765.2	MRT22;mental retardation, non-syndromic, autosomal recessive, 22	tumor suppressor candidate 3
TXN	NM_003329.2		thioredoxin
TYROBP	NM_003332.3	PLOSL;polycystic lipomembranous osteodysplasia with sclerosing leukoencephalopathy,TYRO protein tyrosine kinase binding protein	transmembrane immune signaling adaptor TYROBP
UBE2D2	NM_181838.1	ubiquitin-conjugating enzyme E2D 2 (homologous to yeast UBC4/5),ubiquitin-conjugating enzyme E2D 2 (UBC4/5 homolog, yeast),ubiquitin-conjugating enzyme E2D 2	ubiquitin conjugating enzyme E2 D2
UBE2G1	NM_003342.4	UBE2G;ubiquitin-conjugating enzyme E2G 1 (homologous to C. elegans UBC7),ubiquitin-conjugating enzyme E2G 1 (UBC7 homolog, C. elegans),ubiquitin-conjugating enzyme E2G 1 (UBC7 homolog, yeast),ubiquitin-conjugating enzyme E2G 1	ubiquitin conjugating enzyme E2 G1
UBE2N	NM_003348.4	ubiquitin-conjugating enzyme E2N (homologous to yeast UBC13),ubiquitin-conjugating enzyme E2N (UBC13 homolog, yeast),ubiquitin-conjugating enzyme E2N	ubiquitin conjugating enzyme E2 N
UBE3C	NM_014671.2	ubiquitin-conjugating enzyme E3C	ubiquitin protein ligase E3C
UBE4B	NM_006048.3	ubiquitination factor E4B (homologous to yeast UFD2),ubiquitination factor E4B (UFD2 homolog, yeast)	ubiquitination factor E4B
UBQLN1	NM_053067.2		ubiquilin 1
UBQLN2	NM_013444.3		ubiquilin 2
UCHL1	NM_004181.4	PARK5;ubiquitin carboxyl-terminal esterase L1 (ubiquitin thiolesterase)	ubiquitin C-terminal hydrolase L1
UGT8	NM_001128174.1	CGT;UDP-galactose ceramide galactosyltransferase	UDP glycosyltransferase 8
ULK1	NM_003565.1	unc-51 (C. elegans)-like kinase 1,unc-51-like kinase 1 (C. elegans)	unc-51 like autophagy activating kinase 1
UNC79	NM_020818.5	KIAA1409;KIAA1409,unc-79 homolog (C. elegans)	unc-79 homolog, NALCN channel complex subunit
UNC80	NM_032504.1	C2orf21;chromosome 2 open reading frame 21,unc-80 homolog (C. elegans)	unc-80 homolog, NALCN channel complex subunit
USP2	NM_001243759.1	ubiquitin specific protease 2	ubiquitin specific peptidase 2
VDAC1	NM_003374.3		voltage dependent anion channel 1
VDAC3	NM_001135694.2		voltage dependent anion channel 3
VEGFA	NM_001025366.1	VEGF;vascular endothelial growth factor	vascular endothelial growth factor A
VIM	NM_003380.2		vimentin
WASF1	NM_001024934.1	WAS protein family, member 1,WAS protein family member 1	WASP family member 1

WDR35	NM_001006657.1		WD repeat domain 35	
XCL1/2	NM_002995.2	SCYC2;small inducible cytokine subfamily C, member 2,chemokine (C motif) ligand 2	X-C motif chemokine ligand 2	
XK	NM_021083.2	NA,NAC,Kell blood group precursor (McLeod phenotype),XK, Kell blood group complex subunit (McLeod syndrome),neuroacanthocytosis,neuroacanthocytosis	X-linked Kx blood group	
YWHAE	NM_006761.4	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, epsilon polypeptide	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein epsilon	
YWHAG	NM_012479.4	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, gamma polypeptide	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein gamma	
YWHAH	NM_003405.3	YWHA1;tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, eta polypeptide	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein eta	
YWHAQ	NM_006826.3	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, theta polypeptide,protein, theta	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein theta	
YWHAZ	NM_001135699.1	YWHAD;tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, delta polypeptide,tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, zeta polypeptide	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein zeta	Sub-maximal transcript coverage due to non-overlapping transcripts
ZNF365	NM_014951.2		zinc finger protein 365	
ZPR1	NM_003904.3	ZNF259;zinc finger protein 259	ZPR1 zinc finger	
Internal Reference Genes				
AARS1	NM_001605.2	AARS;alanyl-tRNA synthetase	alanyl-tRNA synthetase 1	
ASB7	NM_024708.3	ankyrin repeat and SOCS box-containing 7	ankyrin repeat and SOCS box containing 7	
CCDC127	NM_145265.2		coiled-coil domain containing 127	
CNOT10	NM_001256741.1	CCR4-NOT transcription complex, subunit 10	CCR4-NOT transcription complex subunit 10	
CSNK2A2	NM_001896.2	casein kinase 2, alpha prime polypeptide	casein kinase 2 alpha 2	
FAM104A	NM_032837.2	family with sequence similarity 104, member A	family with sequence similarity 104 member A	
GUSB	NM_000181.3	glucuronidase, beta	glucuronidase beta	
LARS1	NM_020117.9	LARS;leucyl-tRNA synthetase	leucyl-tRNA synthetase 1	
MTO1	NM_133645.2	mitochondrial translation optimization 1 homolog (S. cerevisiae)	mitochondrial tRNA translation optimization 1	
SUPT7L	NM_014860.2	suppressor of Ty 7 (S. cerevisiae)-like	SPT7 like, STAGA complex subunit gamma	
TADA2B	NM_152293.3		transcriptional adaptor 2B	
TBP	NM_001172085.1	GTF2D1,SCA17	TATA-box binding protein	
XPNPEP1	NM_020383.3	XPNPEP,XPNPEP1,XPNPEPL;X-prolyl aminopeptidase (aminopeptidase P)-like,X-prolyl aminopeptidase (aminopeptidase P) 1, soluble	X-prolyl aminopeptidase 1	
#REF!				#REF!