

nCounter® Human AD Panel - Gene and Probe Details

Official Symbol	Accession	Alias / Previous Symbol	Official Full Name	Other targets or Isoform Information
AZM	NM_000014.4		alpha-2-macroglobulin	
ABCA2	NM_001606.4	ABC2,ATP-binding cassette, sub-family A (ABC1), member 2	ATP binding cassette subfamily A member 2	
ABCA8	NM_007168.2	ATP-binding cassette, sub-family A (ABC1), member 8	ATP binding cassette subfamily A member 8	
ABLIM2	NM_00130085.1	actin binding LIM protein 2,actin binding LIM protein family, member 2	actin binding LIM protein family member 2	
ACAA2	NM_006111.2	acetyl-Coenzyme A acyltransferase 2	acetyl-CoA acyltransferase 2	
ACAD5B	NM_001609.3	acyl-Coenzyme A dehydrogenase, short/branched chain	acyl-CoA dehydrogenase short/branched chain	
ACOT7	NM_007274.3		acyl-CoA thioesterase 7	
ACP1	NM_001040649.2	acid phosphatase 1, soluble	acid phosphatase 1	
ACPD	NM_001131064.1		acid phosphatase 2, lysosomal	
ACSL5	NM_203379.1	FACL5,fatty-acid-Coenzyme A ligase, long-chain 5	acyl-CoA synthetase long chain family member 5	
ACTR3B	NM_001040135.1	ARP3 actin-related protein 3 homolog B (yeast),ARP3 actin related protein 3 homolog B	actin related protein 3B	ACTR3C (NM_001164458;NM_001164459)
ACTR6	NM_022496.4	ARP6 actin-related protein 6 homolog (yeast),ARP6 actin related protein 6 homolog	actin related protein 6	
ACVR1L1	NM_000020.1	ACVRK1,ORV2,activin A receptor type II-like 1,activin A receptor type II	activin A receptor like type 1	
ADD2	NM_001185055.1	adducin 2 (beta)	adducin 2	
ADD3	NM_001121.2	ADD1,adducin 3 (gamma)	adducin 3	
ADHFE1	NM_144650.2		alcohol dehydrogenase iron containing 1	
ADIPOR2	NM_024551.2		adiponectin receptor 2	
ADORA2A	NM_000675.3	ADORA2	adenosine A2a receptor	
ADPGK	NR_023318.1		ADP dependent glucokinase	
ADPRH	NM_001125.2		ADP-ribosylarginine hydrolase	
		PBM1,MLLT2,myeloid/lymphoid or mixed-lineage leukemia (trithorax (Drosophila) homolog); translocated to, 2,pre-B-cell monocytic leukemia partner 1,AF4/FMR2 family, member 1		
AFE1	NM_001166693.1		AF4/FMR2 family member 1	
AGB14	NM_032785.3		ATP/GTP binding protein like 4	
AGL	NM_000028.2	amylol-1, 6-glycosidase, 4-alpha-glucanotransferase	amylol-1,6-glycosidase, 4-alpha-glucanotransferase	
AHNAK	NM_001346445.1	AHNAK nucleoprotein (desmoyokin)	AHNAK nucleoprotein	
AHSA1	NM_012111.2	C14orf3;chromosome 14 open reading frame 3,AHA1, activator of heat shock 90kDa protein ATPase homolog 1 (yeast)	activator of HSP90 ATPase activity 1	
ALCAM	NM_001627.3	activated leucocyte cell adhesion molecule	activated leukocyte cell adhesion molecule	
ALDH2	NM_000690.2	aldehyde dehydrogenase 2 family (mitochondrial)	aldehyde dehydrogenase 2 family member	
ALDH6A1	NM_001278593.1	MMSDH,aldehyde dehydrogenase 6 family, member A1	aldehyde dehydrogenase 6 family member A1	
ALDH7A1	NM_001182.3	ATQ1,aldehyde dehydrogenase 7 family, member A1	aldehyde dehydrogenase 7 family member A1	
ALDH9A1	NM_000696.3	ALDH7,ALDH4,ALDH9;aldehyde dehydrogenase 9 family, member A1	aldehyde dehydrogenase 9 family member A1	
		asparagine-linked glycosylation 2 homolog (yeast, alpha-1,3-mannosyltransferase),asparagine-linked glycosylation 2, alpha-1,3-mannosyltransferase homolog (S. cerevisiae)		
ALG2	NM_033087.3		ALG2 alpha-1,3/1,6-mannosyltransferase	
AMER2	NM_152704.3	FAM123A;family with sequence similarity 123A	APC membrane recruitment protein 2	
AMER3	NM_001105193.1	FAM123C;family with sequence similarity 123C	APC membrane recruitment protein 3	
AMOT	NM_133265.2		angiominin	
		amphiphysin (Stiff-Mann syndrome with breast cancer 128kD autoantigen),amphiphysin (Stiff-Mann syndrome with breast cancer 128kDa autoantigen)		
AMPH	NM_001635.3		amphiphysin	
ANAPC11	NM_001002245.1	anaphase promoting complex subunit 11 (yeast APC11 homolog)	anaphase promoting complex subunit 11	
		anillin (Drosophila) Scrapts homolog, actin binding protein,anillin, actin binding protein (scrapts homolog, Drosophila)		
ANLN	NM_018685.2		anillin actin binding protein	
ANO6	NM_001204803.1	TMEM16F;transmembrane protein 16F	anoctamin 6	
ANTXR1	NM_018153.3	anthrax toxin receptor 1	ANTXR cell adhesion molecule 1	
ANXA2	NM_001002857.1	ANX2,ANX2L4,CAL1H,LPC2D	annexin A2	
ANXA5	NM_001154.3	ENX2,ANX5	annexin A5	
AP3B2	NM_001278511.1	adaptor related protein complex 3 beta 2 subunit	adaptor related protein complex 3 subunit beta 2	
		anterior pharynx defective 1 homolog A (C. elegans),APH1A gamma secretase subunit		
APH1A	NM_001077628.1		aph-1 homolog A, gamma-secretase subunit	
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	
		adaptor protein, phosphotyrosine interaction, PH domain and leucine zipper containing		
APPL2	NM_018171.3	2	adaptor protein, phosphotyrosine interacting with PH domain and leucine zipper 2	
ARFGAP2	NM_032389.4	ZNF289;zinc finger protein 289, ID1 regulated	ADP ribosylation factor GTPase activating protein 2	
ARHGAP1	NM_004308.2		Rho GTPase activating protein 1	
ARHGAP31	NM_020754.2		Rho GTPase activating protein 31	
ARHGAP44	NM_014859.4		Rho GTPase activating protein 44	
ARHGAP5	NM_001030055.1	GF12;growth factor independent 2	Rho GTPase activating protein 5	
ARHGCD10	NM_001175.4	SP1GN1,GDI2,AD2,GDI4;rho GDI association inhibitor (GDI) beta	Rho GDI association inhibitor beta	
ARHGEF26	NM_001251963.1	Rho guanine nucleotide exchange factor (GEF) 26	Rho guanine nucleotide exchange factor 26	
		MRX46;mental retardation, X-linked 46,Rac/Cdc42 guanine nucleotide exchange factor (GEF) 6		
ARHGEF6	NM_004840.2		Rac/Cdc42 guanine nucleotide exchange factor 6	
ARHGEF9	NM_001173479.1	Cdc42 guanine nucleotide exchange factor (GEF) 9	Cdc42 guanine nucleotide exchange factor 9	
ARMCX5	NM_022838.3		armadillo repeat containing X-linked 5	
		actin related protein 2/3 complex, subunit 1B (41 kD),actin related protein 2/3 complex subunit 1B, 41kDa		
ARPC1B	NM_005720.2		actin related protein 2/3 complex subunit 1B	
ATCA	NM_033064.4	ataxia, cerebellar, Cayman type,ATCAy, caytaxin	ATCAy kinesin light chain interacting caytaxin	
ATG4	NM_014924.3	KIAA0831;KIAA0831,ATG14 autophagy related 14 homolog (S. cerevisiae)	autophagy related 14	
		AUTL1,APG4C,AUT (S. cerevisiae)-like 1, cysteine endopeptidase; AUT-like 1, cysteine endopeptidase (S. cerevisiae),APG4 autophagy 4 homolog C (S. cerevisiae),ATG4 autophagy related 4 homolog C (S. cerevisiae),autophagy related 4C, cysteine peptidase		
ATG4C	NM_178221.2		autophagy related 4C cysteine peptidase	
ATL3	NM_015459.3		atlastin GTPase 3	
ATP1A3	NM_152296.4	DYT12;dystonia 12,ATPase, Na+/K+ transporting, alpha 3 polypeptide	ATPase Na+/K+ transporting subunit alpha 3	
ATP2B1	NM_001682.2	ATPase, Ca++ transporting, plasma membrane 1	ATPase plasma membrane Ca2+ transporting 1	
ATP2B2	NM_001001331.2	ATPase, Ca++ transporting, plasma membrane 2	ATPase plasma membrane Ca2+ transporting 2	
		ATP5A2,ATPM,ATPSA1;ATP synthase, H+ transporting, mitochondrial F1 complex, alpha subunit, isoform 2, non-cardiac muscle-like 2,ATP synthase, H+ transporting, mitochondrial F1 complex, alpha subunit, isoform 1, cardiac muscle,ATP synthase, H+ transporting, mitochondrial F1 complex, alpha subunit 1, cardiac muscle		
ATP5F1A	NM_001001937.1		ATP synthase F1 subunit alpha	
		ATP5I2;ATP synthase, H+ transporting, mitochondrial F0 complex, subunit f, isoform 2,ATP synthase, H+ transporting, mitochondrial F0 complex, subunit F2,ATP synthase, H+ transporting, mitochondrial Fo complex, subunit F2,ATP synthase, H+ transporting, mitochondrial Fo complex, subunit F2,ATP synthase, H+ transporting, mitochondrial Fo complex subunit F2		
ATP5MF	NM_004889.2		ATP synthase membrane subunit f	
ATP5MPL	NM_004894.2	C14orf2;chromosome 14 open reading frame 2	ATP synthase membrane subunit 6.8PL	
		ATP5H;ATP synthase, H+ transporting, mitochondrial F0 complex, subunit d,ATP synthase, H+ transporting, mitochondrial Fo complex, subunit d,ATP synthase, H+ transporting, mitochondrial Fo complex subunit D		
ATP5PD	NM_006356.2		ATP synthase peripheral stalk subunit d	
		ATP6P2;ATPase, H+ transporting, lysosomal interacting protein 2,ATPase, H+ transporting, lysosomal accessory protein 2		
ATP6P2	NM_005765.2		ATPase H+ transporting accessory protein 2	
		ATP6F;ATPase, H+ transporting, lysosomal (vacuolar proton pump) 21kD,ATPase, H+ transporting, lysosomal 21kDa, V0 subunit c',ATPase, H+ transporting, lysosomal 21kDa, V0 subunit b		
ATP6V0B	NM_004047.3		ATPase H+ transporting V0 subunit b	
		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		
ATP6V1C1	NM_001695.4		ATPase H+ transporting V1 subunit C1	
ATP6V1F	NM_001198909.1	ATPase, H+ transporting, lysosomal 14kDa, V1 subunit F	ATPase H+ transporting V1 subunit F	
		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		
ATP8A2	NM_016529.4		ATPase phospholipid transporting 8A2	
AXL	NM_021913.2		AXL receptor tyrosine kinase	
B2M	NM_004048.2		beta-2-microglobulin	
BAG2	NM_004282.3		BCL2 associated athanogene 2	
BAG3	NM_004281.3		BCL2 associated athanogene 3	
BBX	NM_001142568.2	bobby sox homolog (Drosophila),BBX, HMG-box containing	BBX high mobility group box domain containing	
BCAR3	NM_003567.2	breast cancer anti-estrogen resistance 3,BCAR3, NSP family adaptor protein	BCAR3 adaptor protein, NSP family member	
BCL2	NM_000657.2	B-cell CLL/lymphoma 2,BCL2, apoptosis regulator	BCL2 apoptosis regulator	
BCL2L1	NM_138578.1		BCL2 like 1	
BCL6	NM_001706.2	ZNF51;zinc finger protein 51,B cell CLL/lymphoma 6,BCL6, transcription repressor	BCL6 transcription repressor	
		BDH3;3-hydroxybutyrate dehydrogenase (heart, mitochondrial),3-hydroxybutyrate dehydrogenase, type 1		
BDH1	NM_203314.2		3-hydroxybutyrate dehydrogenase 1	
BEX1	NM_018476.3		brain expressed X-linked 1	
BEX2	NM_001168400.1		brain expressed X-linked 2	BEX2 (NM_032621;NM_001168401;NM_001168400;NM_001168399)
BIN1	NM_004305.2	AMPHL	bridging integrator 1	
BMPRI1B	NM_001203.1	bone morphogenetic protein receptor, type 1B	bone morphogenetic protein receptor type 1B	
BOX	NM_032515.3	BCL2 related ovarian killer	BCL2 family apoptosis regulator BOX	
BOLA3	NM_001035505.1	bolA-like 3 (E. coli),bolA homolog 3 (E. coli)	bolA family member 3	
C19orf70	NM_205767.1	C19orf70;chromosome 19 open reading frame 70	mitochondrial contact site and cristae organizing system subunit 13	

ClQA	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
ClQB	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
ClQC	NM_00114101.1	ClQC; complement component 1, q subcomponent, gamma polypeptide, complement component 1, q subcomponent, C chain	complement C1q C chain
Clorf115	NM_024709.4		chromosome 1 open reading frame 115
CA10	NM_020178.4	carbonic anhydrase X	carbonic anhydrase 10
CACHD1	NM_020925.2	VWCD1; von Willebrand factor type A and cache domain containing 1	cache domain containing 1
CACNG8	NM_031895.4	calcium channel, voltage-dependent, gamma subunit 8	calcium voltage-gated channel auxiliary subunit gamma 8
CALD1	NM_004342.6		caldesmon 1
CALM2	NM_001743.3	calmodulin 2 (phosphorylase kinase, delta)	calmodulin 2
CALM3	NM_005184.2	calmodulin 3 (phosphorylase kinase, delta)	calmodulin 3
CAMK4	NM_001744.3		calcium/calmodulin dependent protein kinase IV
CAMTA2	NM_015099.2		calmodulin binding transcription activator 2
CAPZA2	NM_006136.2	capping protein (actin filament) muscle Z-line, alpha 2, capping actin protein of muscle Z-line alpha subunit 2	capping actin protein of muscle Z-line subunit alpha 2
CASC4	NM_177974.2	cancer susceptibility candidate 4	cancer susceptibility 4
CBLN1	NM_004352.3		cerebellin 1 precursor
CCDC115	NM_032357.2		coiled-coil domain containing 115
CCDC117	NM_173510.2		coiled-coil domain containing 117
CCT3	NM_001008800.1	TRiCS; chaperonin containing TCP1, subunit 3 (gamma)	chaperonin containing TCP1 subunit 3
CD2AP	NM_012120.2		CD2 associated protein
CD47	NM_001777.3	MER6; CD47 antigen (Rh-related antigen, integrin-associated signal transducer)	CD47 molecule
CD63	NM_001780.4	MLA1; CD63 antigen (melanoma 1 antigen) DHLAG; CD74 antigen (invariant polypeptide of major histocompatibility complex, class II antigen-associated); CD74 molecule, major histocompatibility complex, class II invariant chain	CD63 molecule
CD74	NM_001025159.1		CD74 molecule
CD81	NM_004356.3	TAPA1; CD81 antigen (target of antiproliferative antibody 1)	CD81 molecule
CDC42EP1	NM_152243.2	CDC42 effector protein (rho GTPase binding) 1	CDC42 effector protein 1
CDC42EP4	NM_012121.4	CDC42 effector protein (rho GTPase binding) 4	CDC42 effector protein 4
CDC42SE1	NM_001038707.1		CDC42 small effector 1
CDH20	NM_031891.2	cadherin 20, type 2	cadherin 20
CDH22	NM_021248.2	C20orf25; cadherin-like 22, cadherin 22, type 2	cadherin 22
CDK14	NM_001287135.1	PFTK1; PFTAIRE protein kinase 1	cyclin dependent kinase 14
CDK18	NM_002596.3	PCTK3; PCTAIRE protein kinase 3	cyclin dependent kinase 18
CDKL5	NM_001097343.1	STK9; serine/threonine kinase 9, cyclin-dependent kinase-like 5 LASS2; longevity assurance (LAG1, S. cerevisiae) homolog 2, LAG1 longevity assurance	cyclin dependent kinase like 5
CERS2	NM_022075.3	homolog 2 (S. cerevisiae); LAG1 homolog, ceramide synthase 2	ceramide synthase 2
CFAR	NM_001127183.1	CASP8A3; CASP8 and FADD-like apoptosis regulator	CASP8 and FADD like apoptosis regulator
CGGBP1	NM_001195308.1		sub-maximal isoform coverage due to non-overlapping variants CGG triplet repeat binding protein 1
CHGB	NM_001819.1	SCG1; secretogranin 1	chromogranin B
CHN1	NM_001025201.2	CHN; DURS2; Duane retraction syndrome 2, chimerin (chimaerin) 1	chimerin 1
CHORDC1	NM_012124.2	cysteine and histidine-rich domain (CHORD)-containing, zinc-binding protein 1	cysteine and histidine rich domain containing 1
CHRA1	NR_023360.2		chromatin accessibility complex subunit 1
CHRM1	NM_000738.2		cholinergic receptor muscarinic 1
CHRM3	NM_000740.2	cholinergic receptor, nicotinic, beta polypeptide 2 (neuronal); cholinergic receptor, nicotinic, beta 2 (neuronal); cholinergic receptor, nicotinic beta 2	cholinergic receptor muscarinic 3
CHRN2	NM_000748.2		cholinergic receptor nicotinic beta 2 subunit
CHRP	NR_023313.1	cold inducible RNA-binding protein	cold inducible RNA binding protein
CLDN10	NM_001160100.1		claudin 10
CLDN11	NM_001185056.1	OTM; oligodendrocyte transmembrane protein	claudin 11
CLDN5	NM_001130861.1	AWAL; TMVCF; transmembrane protein deleted in velocardiofacial syndrome	claudin 5
CLIC1	NM_001288.4		chloride intracellular channel 1
CLMN	NM_024734.2	calmin (calponin-like, transmembrane)	calmin
CLSTN3	NM_014718.3		calsynaptin 3
CMT5	NM_001037288.1	CKLF5F5; chemokine-like factor super family 5, chemokine-like factor superfamily 5, CKLF-like MARVEL transmembrane domain containing 5	CKLF like MARVEL transmembrane domain containing 5
CMTM6	NM_017801.2	CKLF5F6; chemokine-like factor super family 6, chemokine-like factor superfamily 6, CKLF-like MARVEL transmembrane domain containing 6	CKLF like MARVEL transmembrane domain containing 6
CNKS2R	NM_014927.2		connector enhancer of kinase suppressor of Ras 2
CNN3	NM_001839.4	calponin 3, acidic	calponin 3
CNP	NM_033133.4		2',3'-cyclic nucleotide 3' phosphodiesterase
CNTN2	NM_005076.2	TAX; AXT; contactin 2 (axonal)	contactin 2
CNTN4	NM_175613.2		contactin 4
CNTNAP1	NM_003632.2	NRXN4	contactin associated protein 1
COA3	NM_001040431.2	CCDC56; coiled-coil domain containing 56	cytochrome c oxidase assembly factor 3
COL9A2	NM_001852.3	EDM2; collagen, type IX, alpha 2	collagen type IX alpha 2 chain
COL9A3	XM_011528545.1	collagen, type IX, alpha 3	collagen type IX alpha 3 chain
COMM4A	NM_001284377.1		COMM domain containing 4
COP9	NM_003653.3	COP9 (constitutive photomorphogenic, Arabidopsis, homolog) subunit 3, COP9 constitutive photomorphogenic homolog subunit 3 (Arabidopsis)	COP9 signalosome subunit 3
COP9	NM_016129.2	COP9 (constitutive photomorphogenic, Arabidopsis, homolog) subunit 4, COP9 constitutive photomorphogenic homolog subunit 4 (Arabidopsis)	COP9 signalosome subunit 4
COQ4	NM_016035.3	coenzyme Q4 homolog (yeast); coenzyme Q4 homolog (S. cerevisiae)	coenzyme Q4
CORO2A	NM_002820.3	coronin, actin-binding protein, 2A	coronin 2A
COX6C	NM_004374.2	cytochrome c oxidase subunit VIc	cytochrome c oxidase subunit 6C
COX7A2L	NM_004718.3	cytochrome c oxidase subunit VIIa polypeptide 2 like	cytochrome c oxidase subunit 7A2 like
CPLEX1	NM_006651.3		complexin 1
CPNE2	NM_152727.5	copine II	copine 2
CPT1A	NM_001876.3	CPT1; carnitine palmitoyltransferase 1A (liver)	carnitine palmitoyltransferase 1A
CSF1	NM_000757.4	colony stimulating factor 1 (macrophage)	colony stimulating factor 1
CSRNP3	NM_024969.3	FAM130A2; family with sequence similarity 130, member A2, cysteine-serine-rich nuclear protein 3	cysteine and serine rich nuclear protein 3
CTNNA1	NM_001903.2	catenin (cadherin-associated protein), alpha 1 (102kD)	catenin alpha 1
CTNND2	NM_001332.2	catenin (cadherin-associated protein), delta 2 (neural plakophilin-related arm-repeat protein); catenin (cadherin-associated protein), delta 2	catenin delta 2
CTSS	NM_004079.3		cathepsin 5
CUEDC1	NM_001271875.1		CUE domain containing 1
CYBA	NM_000101.2	cytochrome b-245, alpha polypeptide	cytochrome b-245 alpha chain
CYFIP2	NM_001037333.1		cytoplasmic FMR1 interacting protein 2
CYP27A1	NM_000784.3	CYP27; cytochrome P450, subfamily XXVIIA (steroid 27-hydroxylase, cerebrotendinous xanthomatosis), polypeptide 1, cytochrome P450, family 27, subfamily A, polypeptide 1	cytochrome P450 family 27 subfamily A member 1
DAAM2	NM_015345.2		dishevelled associated activator of morphogenesis 2
DAG1	NM_001165928.2	dystroglycan 1 (dystrophin-associated glycoprotein 1)	dystroglycan 1
DARS	NM_001349.2		aspartyl-tRNA synthetase
DBND2	NM_001048221.2	C20orf35; chromosome 20 open reading frame 35, dysbindin (dystrobrevin binding protein 1) domain containing 2	dysbindin domain containing 2
DCAF8	NM_015726.3	WDR42A; WD repeat domain 42A	DDB1 and CUL4 associated factor 8
DDX41	NM_016222.2	DEAD (Asp-Glu-Ala-Asp) box polypeptide 41	DEAD-box helicase 41
DDX42	NM_007372.2	DEAD (Asp-Glu-Ala-Asp) box polypeptide 42, DEAD (Asp-Glu-Ala-Asp) box helicase 42	DEAD-box helicase 42
DECR1	NM_001359.1	DECR; 2,4-dienoyl-CoA reductase 1, mitochondrial	2,4-dienoyl-CoA reductase 1
DHRS11	NM_024308.3	dehydrogenase/reductase (SDR family) member 11	dehydrogenase/reductase 11
DID1	NM_001193369.1	C20orf58; DAF1; chromosome 20 open reading frame 158, death associated transcription factor 1	death inducer-obliterator 1
DIP2B	NM_173602.2	DIP2 disco-interacting protein 2 homolog B (Drosophila)	disco interacting protein 2 homolog B
DIRAS2	NM_017594.3	DIRAS family, GTP-binding RAS-like 2	DIRAS family GTPase 2
DLG3	NM_021120.3	discs, large homolog 3 (neuroendocrine-dlg, Drosophila); discs, large homolog 3 (Drosophila); discs large homolog 3	discs large MAGUK scaffold protein 3
DLGAP1	NM_001003809.2		DLG associated protein 1
DNAJA2	NM_005880.3	DnaJ (Hsp40) homolog, subfamily A, member 2	DnaJ heat shock protein family (Hsp40) member A2
DNAJB4	NM_007034.3	DnaJ (Hsp40) homolog, subfamily B, member 4	DnaJ heat shock protein family (Hsp40) member B4
DNAJB6	NM_058246.3	LGMD3; Dlim1; girdle muscular dystrophy 1D (autosomal dominant); DnaJ (Hsp40) homolog, subfamily B, member 6	DnaJ heat shock protein family (Hsp40) member B6
DNAJC9	NM_015190.3	DnaJ (Hsp40) homolog, subfamily C, member 9	DnaJ heat shock protein family (Hsp40) member C9
DNM1	NM_004408.2	DNM	dynamin 1
DOCK10	NM_014689.1		dedicator of cytokinesis 10
DOCK3	NM_004947.4	dedicator of cyto-kinesis 3	dedicator of cytokinesis 3
DOPEY1	XM_011535619.2	KIAA1117; DOPEY1; KIAA1117, dopey family member 1	DOP1 leucine zipper like protein A
DTD1	NM_080820.4	C20orf88; HARS2; chromosome 20 open reading frame 88, D-tyrosyl-tRNA deacylase 1	D-aminoacyl-tRNA deacylase 1
DTNA	NM_032981.4	homolog (S. cerevisiae); D-tyrosyl-tRNA deacylase 1	dystrobrevin alpha
DYNLC11	NM_001012665.1	dystrobrevin, alpha	dynactin cytoplasmic 2 light intermediate chain 1

EDIL3	NM_005711.3	EGF-like repeats and discoidin I-like domains 3	EGF like repeats and discoidin domains 3
EFCA14	NM_014774.2	KIAA0494;KIAA0494	EF-hand calcium binding domain 14
EFEMP2	NM_016938.3	EGF-containing fibulin-like extracellular matrix protein 2,EGF containing fibulin like extracellular matrix protein 2	EGF containing fibulin extracellular matrix protein 2
EFHD1	NM_025202.3	EF hand domain containing 1	EF hand domain family member D1
EH03	NM_014602.2	PAST3	EH domain containing 3
ELOVL1	NM_022821.2	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 1	ELOVL fatty acid elongase 1
ELOVL7	NM_024930.1	ELOVL family member 7, elongation of long chain fatty acids (yeast)	ELOVL fatty acid elongase 7
ENDOD1	NM_015036.2		endonuclease domain containing 1
ENO2	NM_001975.2	enolase 2 (gamma, neuronal)	enolase 2
ENPP2	NM_001040092.2	PDNP2	ectonucleotide pyrophosphatase/phosphodiesterase 2
ENTPD3	NM_001248.2	CD39I3	ectonucleoside triphosphate diphosphohydrolase 3
EP300	NM_001429.2		E1A binding protein p300
EPAS1	NM_001430.3		endothelial PAS domain protein 1
EPHA4	NM_004438.3	TYRO1	EPH receptor A4
EPFB	NM_004447.5		epidermal growth factor receptor pathway substrate 8
ER12	NM_001142725.1	EXOD1;exonuclease domain containing 1	ERI1 exonuclease family member 2
ERMN	NM_001009599.1	KIAA1189;KIAA1189;ermin, ERM-like protein	ermin
ESAM	NM_138961.2		endothelial cell adhesion molecule
EVC	NM_153717.2	Ellis van Creveld syndrome,Ellis van Creveld protein	Evc ciliary complex subunit 1
EV12A	NM_014210.3	EV12	ecotropic viral integration site 2A
EXOC1	NM_001024924.1	SEC3L1;SEC3-like 1 (S. cerevisiae)	exocyst complex component 1
EZR	NM_003379.4	VIL2;villin 2 (ezrin)	ezrin
FA2H	NM_024306.2	FAXDC1,SPG35;fatty acid hydroxylase domain containing 1,spastic paraplegia 35 (autosomal recessive)	fatty acid 2-hydroxylase
FAM107B	NM_031452.2	C10orf45;chromosome 10 open reading frame 45, family with sequence similarity 107, member B	family with sequence similarity 107 member B
FAM124A	NM_001242312.1	family with sequence similarity 124A	family with sequence similarity 124 member A
FAM129B	NM_022833.2	C9orf88;chromosome 9 open reading frame 88, family with sequence similarity 129, member B	family with sequence similarity 129 member B
FAM160A2	NM_032127.3	C11orf56;chromosome 11 open reading frame 56, family with sequence similarity 160, member A2	family with sequence similarity 160 member A2
FAM171A1	NM_001010924.1	C10orf38;chromosome 10 open reading frame 38, family with sequence similarity 171, member A1	family with sequence similarity 171 member A1
FAM189A2	NM_004816.2	C9orf61;chromosome 9 open reading frame 61, family with sequence similarity 189, member A2	family with sequence similarity 189 member A2
FAM193A	NM_003704.3	C4orf8;chromosome 4 open reading frame 8, family with sequence similarity 193, member A	family with sequence similarity 193 member A
FAM213A	NM_011540265.2	C10orf58;FAM213A;chromosome 10 open reading frame 58, family with sequence similarity 213, member A	peroxiredoxin like 2A
FAM49A	NM_030797.2	family with sequence similarity 49, member A	family with sequence similarity 49 member A
FAR5B	NM_005687.3	FAR5L;phenylalanyl-tRNA synthetase-like, beta subunit	phenylalanyl-tRNA synthetase subunit beta
FAT1	NM_005245.3	FAT;FAT tumor suppressor (Drosophila) homolog,FAT tumor suppressor homolog 1 (Drosophila)	FAT atypical cadherin 1
FAYC	NM_032511.2	C6orf168;chromosome 6 open reading frame 168, failed axon connections homolog (Drosophila), failed axon connections homolog	failed axon connections homolog, metaxin like GST domain containing
FBXO2	NM_012168.4	OCPI1;F-box only protein 2, organ of Corti protein 1	F-box protein 2
FCER1G	NM_004106.1	Fc fragment of IgE, high affinity 1, receptor for; gamma polypeptide	Fc fragment of IgE receptor Ig
FERMT2	NM_001135000.1	1,fermitin family homolog 2 (Drosophila)	fermitin family member 2
FIBP	NM_198897.1	fibroblast growth factor (acidic) intracellular binding protein	FGF1 intracellular binding protein
FKBP4	NM_002014.3	FK506-binding protein 4 (59kD),FK506 binding protein 4, 59kDa,FK506 binding protein 4	FKBP prolyl isomerase 4
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
FMNL2	NM_002955.3	FHD02;formin homology 2 domain containing 2,formin-like 2	formin like 2
FN1	NM_212478.2		fibronectin 1
FOXN2	NM_002158.3	HTLF;human T-cell leukemia virus enhancer factor	forkhead box N2
FOXN3	NM_005197.2	C14orf116;CHES1;chromosome 14 open reading frame 116,checkpoint suppressor 1	forkhead box N3
FOXO1	NM_002015.3	FKHR;FOXO1A;forkhead homolog in rhabdomyosarcoma	forkhead box D1
FRMD4B	NM_015123.1		FERM domain containing 4B
FRMPD4	NM_014728.3	PDZK10,PDZD10;PDZ domain containing 10	FERM and PDZ domain containing 4
FRYL	NM_015030.1	KIAA0826;KIAA0826;furry homolog-like (Drosophila),FRY like	FRY like transcription coactivator
FSTL1	NM_007085.4	folliculin-like 1	folliculin like 1
FUBP3	NM_003934.1	FBP3;far upstream element (FUSE) binding protein 3	far upstream element binding protein 3
FURIN	NM_002569.2	PCSK3,FUR,PACE;paired basic amino acid cleaving enzyme (furin, membrane associated receptor protein),furin (paired basic amino acid cleaving enzyme)	furin, paired basic amino acid cleaving enzyme
FXYD5	NM_014164.5	FXYD domain-containing ion transport regulator 5	FXYD domain containing ion transport regulator 5
FYN	NM_002037.3	FYN oncogene related to SRC, FGR, YES	FYN proto-oncogene, Src family tyrosine kinase
GAB1	NM_002039.3		GRB2 associated binding protein 1
GABARAPL1	NM_031412.2	GABA(A) receptor-associated protein like 1	GABA type A receptor associated protein like 1
GABBR2	NM_005458.5	GPR51;G protein-coupled receptor 51,gamma-aminobutyric acid (GABA) B receptor, 2	gamma-aminobutyric acid type B receptor subunit 2
GABRB3	NM_000814.5	gamma-aminobutyric acid (GABA) A receptor, beta 3	gamma-aminobutyric acid type A receptor beta3 subunit
GABRD	NM_000815.4	gamma-aminobutyric acid (GABA) A receptor, delta	gamma-aminobutyric acid type A receptor delta subunit
GABRG1	NM_179536.3	gamma-aminobutyric acid (GABA) A receptor, gamma 1	gamma-aminobutyric acid type A receptor gamma1 subunit
GDAP1L1	NM_024034.3	ganglioside induced differentiation associated protein 1-like 1	ganglioside induced differentiation associated protein 1 like 1
GFR2	NM_001495.4		GNDF family receptor alpha 2
GIA1	NM_000165.3	ODDD,GIAL;gap junction protein, alpha-like,gap junction protein, alpha 1, 43kDa (connexin 43),gap junction protein, alpha 1, 43kDa	gap junction protein alpha 1
GIB1	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
GLD0803	NM_005093.2	C17orf25;chromosome 17 open reading frame 25	glyoxalase domain containing 4
GLTD1	NM_011537956.2		glycosyltransferase 1 domain containing 1
GLTP	NM_016433.3		glycolipid transfer protein
GLUD1/2	NM_012084.3	GLUDP1;glutamate dehydrogenase pseudogene 1	glutamate dehydrogenase 2
GNA12	NM_001282440.1	guanine nucleotide binding protein (G protein) alpha 12	G protein subunit alpha 12
GNA13	NM_006572.4	guanine nucleotide binding protein (G protein), alpha 13	G protein subunit alpha 13
GNAI2	NM_002070.2	GNAI2B;guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2	G protein subunit alpha 12
GNB5	NM_006578.3	guanine nucleotide binding protein (G protein), beta 5	G protein subunit beta 5
GNGL1	NM_004126.3	guanine nucleotide binding protein (G protein), gamma 11	G protein subunit gamma 11
GNGL2	NM_018841.3	guanine nucleotide binding protein (G protein), gamma 12	G protein subunit gamma 12
GNS	NM_002076.3		glucosamine (N-acetyl)-6-sulfatase
GOLIM4	NM_014498.3	GOLPH4;golgi phosphoprotein 4	golgi integral membrane protein 4
GOT1	NM_002079.2		glutamic-oxaloacetic transaminase 1
GPC1	NM_002081.2		glypican 1
GPHN	NM_020806.4		gephyrin
GPI	NM_001175.2	glucose phosphate isomerase	glucose-6-phosphate isomerase
GPR15B	NM_007072.2		G protein-coupled receptor 15B
GPR37	NM_005302.2	G protein-coupled receptor 37 (endothelin receptor type B-like)	G protein-coupled receptor 37
GPR62	NM_008065.2		G protein-coupled receptor 62
GPRCSB	NM_016235.1	G protein-coupled receptor, family C, group 1, member B,G protein-coupled receptor, family C, group 5, member B	G protein-coupled receptor class C group 5 member B
GRAMD2B	NM_001146320.1	GRAMD3;GRAM domain containing 3	GRAM domain containing 2B
GRIA3	NM_000828.4	GLUR3;glutamate receptor, ionotropic, AMPA 3	glutamate ionotropic receptor AMPA type subunit 3
GRN	NM_002087.2		granulin precursor
GSS	NM_000178.2		glutathione synthetase
GSTZ1	NM_145871.2	glutathione transferase zeta 1	glutathione S-transferase zeta 1
GTF2H3	NM_001516.4	general transcription factor IIH, polypeptide 3 (34kD subunit),general transcription factor IIH, polypeptide 3, 34kDa	general transcription factor IIH subunit 3
GTPBP4	NM_012341.2		GTP binding protein 4
GUCY1B1	NM_000857.2	GUC1B3,GUCY1B3;guanylate cyclase 1, soluble, beta 3,guanylate cyclase 1 soluble subunit beta	guanylate cyclase 1 soluble subunit beta 1
H2AFZ	NM_002106.3	H2AZ;H2A histone family, member 2	H2A histone family member 2
HADHB	NM_000183.2	hydroxyacyl-Coenzyme A dehydrogenase/3-ketoacyl-Coenzyme A thiolase/enoyl-Coenzyme A hydratase (trifunctional protein), beta subunit,hydroxyacyl-CoA dehydrogenase/3-ketoacyl-CoA thiolase/enoyl-CoA hydratase (trifunctional protein), beta subunit	hydroxyacyl-CoA dehydrogenase trifunctional multienzyme complex subunit beta

GLUD2 (NM_012084), GLUD1 (NM_001318902;NM_001318906;NM_005271;NM_001318900;NM_001318901;NM_001318904;NM_001318905)

HECA	NM_016217.2	headcase homolog (Drosophila)	hdc homolog, cell cycle regulator	
HECW1	NM_015052.4		HECT, C2 and WW domain containing E3 ubiquitin protein ligase 1	
HERPUD2	NM_022373.4		HERPUD family member 2	
HGSNAT	NM_152419.2	TMEM76;transmembrane protein 76	heparan-alpha-glucosaminide N-acetyltransferase	
HINT2	NM_032593.2		histidine triad nucleotide binding protein 2	
HIP1	NM_005338.4		huntingtin interacting protein 1	
HITF	NM_139048.2	SNF2L3,SMARCA3,SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 3	helicase like transcription factor	
HNRNPF	NM_001098208.1	HNRPF	heterogeneous nuclear ribonucleoprotein F	
HP1BP3	NM_016287.3	heterochromatin protein 1, binding protein 3	heterochromatin protein 1 binding protein 3	
HSPB1	NM_001537.2		heat shock factor binding protein 1	
HSD17B8	NM_014234.3	FABG1,FabG (beta-ketoacyl-[acyl-carrier-protein] reductase, E coli) like (E. coli),hydroxysteroid (17-beta) dehydrogenase 8	hydroxysteroid 17-beta dehydrogenase 8	
HSD1L	NM_032303.3	C9orf99;chromosome 9 open reading frame 99	hydroxysteroid dehydrogenase like 2	
HSP90AA1	NM_001017963.2	HSPC1,HSPA,heat shock 90kD protein 1, alpha,heat shock 90kDa protein 1, alpha,heat shock protein 90kDa alpha (cytosolic), class A member 1	heat shock protein 90 alpha family class A member 1	
HSPA1A/B	NM_005345.5	heat shock 70kD protein 1B,heat shock 70kDa protein 1B	heat shock protein family A (Hsp70) member 1B	HSPA1B (NM_005346), HSPA1A (NM_005345)
HSPA2	NM_021979.3	heat shock 70kD protein 2,heat shock 70kDa protein 2	heat shock protein family A (Hsp70) member 2	
HSPA4	NM_002154.3	heat shock 70kD protein 4,heat shock 70kDa protein 4	heat shock protein family A (Hsp70) member 4	
HSPB8	NM_014365.2	heat shock 27kDa protein 8,heat shock 22kDa protein 8	heat shock protein family B (small) member 8	
HSPH1	NM_006644.2	heat shock 105kDa/110kDa protein 1	heat shock protein family H (Hsp110) member 1	
IBTK	NM_015525.2	BTX1,Bruton agammaglobulinemia tyrosine kinase inhibitor,inhibitor of Bruton agammaglobulinemia tyrosine kinase	inhibitor of Bruton tyrosine kinase	
ICA1	NM_004968.3	islet cell autoantigen 1 (69kD),islet cell autoantigen 1, 69kDa	islet cell autoantigen 1	
ICA11	NM_138468.4	ALS2CR15,ALS2CR14,amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 15,amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 14,islet cell autoantigen 1,69kDa-like	islet cell autoantigen 1 like	
IDH2	NM_002168.2	isocitrate dehydrogenase 2 (NADP+), mitochondrial	isocitrate dehydrogenase (NADP+) 2, mitochondrial	
IDNK	NR_046421.1	C9orf103;chromosome 9 open reading frame 103,idnK, gluconokinase homolog (E. coli),DNK, gluconokinase	IDNK gluconokinase	
IFT27	NM_001177701.2	RABL4,RAB, member of RAS oncogene family-like 4,intraflagellar transport 27 homolog (Chlamydomonas)	intraflagellar transport 27	
IGF1R	NM_000875.4	insulin-like growth factor 1 receptor	insulin like growth factor 1 receptor	
IGFBP5	NM_000599.3	insulin-like growth factor binding protein 5	insulin like growth factor binding protein 5	
IL17D	NM_138284.1		interleukin 17D	
IMP3	NM_018285.2	MRPS4,C15orf12,mitochondrial ribosomal protein 54,chromosome 15 open reading frame 12,IMP3,U3 small nuclear ribonucleoprotein, homolog (yeast)	IMP U3 small nuclear ribonucleoprotein 3	
IMPACT	NM_018439.3	Impact homolog (mouse)	impact RWD domain protein	
INHBA	NM_002191.2	inhibin, alpha	inhibin subunit alpha	
INPP4A	NM_001134224.1	INPP4;inositol polyphosphate-4-phosphatase, type I, 107kD,inositol polyphosphate-4-phosphatase, type I, 107kDa	inositol polyphosphate-4-phosphatase type I A	
INPP11	NM_001567.2		inositol polyphosphate phosphatase like 1	
ITGA6	NM_000210.1	integrin, alpha 6	integrin subunit alpha 6	
ITGB1	NM_033666.2	FNBR,MSK12,MDF2;integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12)	integrin subunit beta 1	
ITGB5	NM_002213.3	integrin, beta 5	integrin subunit beta 5	
ITGB8	NM_002214.2	integrin, beta 8	integrin subunit beta 8	
ITPKB	NM_002221.3	inositol 1,4,5-trisphosphate 3-kinase B	inositol-trisphosphate 3-kinase B	
JMJD6	NM_001081461.1	PTDSR,phosphatidyserine receptor,jumonji domain containing 6	jumonji domain containing 6, arginine demethylase and lysine hydroxylase	
KANK1	NM_015158.2	ANKR15;ankyrin repeat domain 15	KN motif and ankyrin repeat domain 1	
KCNIP4	NM_147183.3	Kv channel interacting protein 4	potassium voltage-gated channel interacting protein 4	PACRGL (NM_001258345;NM_001130727;NM_001330746)
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	
KCTD1	NM_001136205.1	C18orf5,potassium channel tetramerisation domain containing 1	potassium channel tetramerization domain containing 1	
KCTD12	NM_138444.2	C13orf2;chromosome 13 open reading frame 2,potassium channel tetramerisation domain containing 12	potassium channel tetramerization domain containing 12	
KIAA0513	NM_014732.3		KIAA0513	
KIAA1549L	NM_012194.2	C11orf69,C11orf41;chromosome 11 open reading frame 69,chromosome 11 open reading frame 41	KIAA1549 like	
KIAA1671	NM_001145206.1		KIAA1671	
KIF13B	NM_015254.3		kinesin family member 13B	
KIF1C	NM_006612.5	SAX2;spastic ataxia 2 (autosomal recessive)	kinesin family member 1C	
KIF3A	NM_007054.5		kinesin family member 3A	
KLC2	NM_001134775.1		kinesin light chain 2	
KLHL21	NM_014851.2	kelch-like 21 (Drosophila)	kelch like family member 21	
KLK6	NM_002771.3	PRSS9,PRSS18;protease, serine, 18,kallikrein 6 (neurosin, zyme)	kallikrein related peptidase 6	
KTN1	NM_001079521.3	kinesin 1 (kinesin receptor)	kinesin 1	
LAMB2	NM_002292.3	LAMS,jamminin, beta 2 (laminin 5)	laminin subunit beta 2	
LAMP2	NM_002294.2	lysosomal-associated membrane protein 2	lysosomal associated membrane protein 2	
LAPTM5	NM_006762.2	lysosomal multispinning membrane protein 5	lysosomal protein transmembrane 5	
LATS2	NM_014572.2	LATS (large tumor suppressor, Drosophila) homolog 2,LATS, large tumor suppressor, homolog 2 (Drosophila)	large tumor suppressor kinase 2	
LCP1	NM_002298.4	lymphocyte cytosolic protein 1 (L-plastin)	lymphocyte cytosolic protein 1	
LEPROT	NM_017526.2		leptin receptor overlapping transcript	sub-maximal isoform coverage due to non-overlapping transcript variants
EGRS	NM_003667.2	GPR67,GPR49;G protein-coupled receptor 49	leucine rich repeat containing G protein-coupled receptor 5	
LHFP12	NM_005779.2	lipoma HMGIC fusion partner-like 2	LHFP, tetraspan subfamily member 2	
LIFR	NM_002310.3	leukemia inhibitory factor receptor;leukemia inhibitory factor receptor alpha	LIF receptor alpha	
LIMK2	NM_001031801.1		LIM domain kinase 2	
LIMS1	NM_001193484.1	LIM and senescent cell antigen-like domains 1,LIM-type zinc finger domains 1	LIM zinc finger domain containing 1	
LMO2	NM_005574.3	RBTN1L;rhombotin-like 1	LIM domain only 2	
LNX1	NM_032622.2	LNXd,ligand of numb-protein X,ligand of numb-protein X 1, E3 ubiquitin protein ligase	ligand of numb-protein X 1	
LRP10	NM_001329226.1	low density lipoprotein receptor-related protein 10	LDL receptor related protein 10	
LRP4	NM_002334.3	low density lipoprotein receptor-related protein 4	LDL receptor related protein 4	
LRRCA9	NM_001199017.1		leucine rich repeat containing 49	
LRRTR2	NM_001163926.1		leucine rich repeats and transmembrane domains 2	
LSM4	NM_012321.3	LSM4 homolog, U6 small nuclear RNA associated (S. cerevisiae)	LSM4 homolog, U6 small nuclear RNA and mRNA degradation associated	
LYRM9	NM_001076680.1	C17orf108;chromosome 17 open reading frame 108	LYR motif containing 9	
MADD	NM_130476.2	MAP-kinase activating death domain	MAP kinase activating death domain	
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)	
MAN2A1	NM_002372.2	MANA2;mannosidase, alpha, class 2A, member 1	mannosidase alpha class 2A member 1	
MAP3K9	NM_033141.2	MLK1	mitogen-activated protein kinase kinase kinase 9	
MAP4K5	XM_006720013.1		mitogen-activated protein kinase kinase kinase kinase 5	
MAP7	NM_003980.3		microtubule associated protein 7	
MAPK6	NM_002748.2	PRKM6	mitogen-activated protein kinase 6	
MAPK9	XM_005265940.1	PRKM9	mitogen-activated protein kinase 9	
MAPKAPK2	NM_004759.3		mitogen-activated protein kinase-activated protein kinase 2	
MAPT	NM_016834.3	DDPAC,MAPTL	microtubule associated protein tau	
MBOAT2	NM_138799.2	OACT2;O-acyltransferase (membrane bound) domain containing 2	membrane bound O-acyltransferase domain containing 2	
MBP	NM_002385.2		myelin basic protein	
MCCC2	NM_022132.4	methylenetetrahydrofolate-Coenzyme A carboxylase 2 (beta)	methylenetetrahydrofolate-CoA carboxylase 2	
MCL1	NM_021960.3	family apoptosis regulator	MCL1 apoptosis regulator, BCL2 family member	
MEA1	NM_014623.2	MEA;male-enhanced antigen	male-enhanced antigen 1	
MECR	NM_001024732.2		mitochondrial trans-2-enoyl-CoA reductase	
MED13L	NM_015335.4	THRAP2;thyroid hormone receptor associated protein 2,mediator complex subunit 13-like	mediator complex subunit 13 like	
MED14	NM_004229.3	Cxorf4,CRSP2;cofactor required for Sp1 transcriptional activation, subunit 2, 150kDa	mediator complex subunit 14	
MED29	NM_001317770.1	IXL;intersex-like (Drosophila)	mediator complex subunit 29	
MEF2C	NM_002397.3		myocyte enhancer factor 2C	
MFN1	NM_033540.2		mitofusin 1	
MFS08	NM_152778.2	CLN7;ceroid-lipofuscinosis, neuronal 7, late infantile, variant	major facilitator superfamily domain containing 8	
MGST3	NM_004528.2		microsomal glutathione S-transferase 3	
MICAL2	NM_001282663.1		microtubule associated monoxygenase, calponin and LIM domain containing 2	
MILC1	NM_015166.3	megalencephalic leukoencephalopathy with subcortical cysts 1	modulator of VRAC current 1	
MOB1A	NM_018221.3	C2orf6,MOBK1B,MOBK1L1B;chromosome 2 open reading frame 6,MOB1, Mps One Binder kinase activator-like 1B (yeast),MOB1 Mps One Binder homolog A (yeast)	MOB kinase activator 1A	
MOBP	NR_003090.2		myelin associated oligodendrocyte basic protein	
MOG	NM_001008228.2		myelin oligodendrocyte glycoprotein	
MON2	XM_005268731.1	MON2 homolog (yeast),MON2 homolog (S. cerevisiae)	MON2 homolog, regulator of endosome-to-Golgi trafficking	
MRP56	NM_032476.3	C21orf101;chromosome 21 open reading frame 101	mitochondrial ribosomal protein S6	
MRP57	NM_015971.3		mitochondrial ribosomal protein S7	
MSH2	NM_000251.1	COC1;mutS (E. coli) homolog 2 (colon cancer, nonpolyposis type 1),mutS homolog 2, colon cancer, nonpolyposis type 1 (E. coli)	mutS homolog 2	

MSI2	XM_011524284.1	musashi homolog 2 (Drosophila)	musashi RNA binding protein 2
MSN	NM_002444.2		moesin
MTA3	NM_001330443.1	metastasis associated gene family, member 3	metastasis associated 1 family member 3
MTF2	NM_001164391.1		metal response element binding transcription factor 2
MTMR10	NM_017762.2		myotubularin related protein 10
MTH9	NM_002473.3	DFNA17:myosin, heavy polypeptide 9, non-muscle myosin, light polypeptide, regulatory, non-sarcomeric (20kD),myosin, light chain 12A, regulatory, non-sarcomeric	myosin heavy chain 9
MYL12A	NM_006471.3		myosin light chain 12A
MYL6B	NM_001199629.1	myosin, light polypeptide 6B, alkali, smooth muscle and non-muscle,myosin, light chain 6B, alkali, smooth muscle and non-muscle	myosin light chain 6B
MYO10	NM_012334.2		myosin X
MYO1C	NM_033375.4		myosin IC
MYO1E	NM_004998.2		myosin IE
MYO5A	NM_000259.1	MYH12:myosin VA (heavy polypeptide 12, myosin),myosin VA (heavy chain 12, myosin)	myosin VA
MYRF	NM_001127392.1	C1orf9:chromosome 11 open reading frame 9	myelin regulatory factor
NAAB0	NM_00120016.1	NAT6:N-acetyltransferase 6	N(alpha)-acetyltransferase 80, Nafh catalytic subunit
NAGA	NM_000262.2	N-acetylgalactosaminidase, alpha-	alpha-N-acetylgalactosaminidase
NAPB	NM_022080.2	N-ethylmaleimide-sensitive factor attachment protein, beta	NSF attachment protein beta
NCALD	NM_001040624.1		neurocalin delta
NCOA1	NM_003743.4		nuclear receptor coactivator 1
NDE1	NM_001143979.1	nudE nuclear distribution gene E homolog 1 (A. nidulans),nudE nuclear distribution E homolog 1 (A. nidulans)	nudE neurodevelopment protein 1
NDRG1	NM_001135242.1	CAP43	N-myc downstream regulated 1
NDUF2	NM_001185012.1	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 2 (8kD, B8),NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 2, 8kDa	NADH:ubiquinone oxidoreductase subunit A2
NDUF5	NM_005000.2	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 5 (13kD, B13),NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 5, 13kDa,NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 5	NADH:ubiquinone oxidoreductase subunit A5
NDUFAB1	NM_005003.2	NADH dehydrogenase (ubiquinone) 1, alpha/beta subcomplex, 1 (8kD, SDAP),NADH dehydrogenase (ubiquinone) 1, alpha/beta subcomplex, 1, 8kDa	NADH:ubiquinone oxidoreductase subunit AB1
NECAP1	NM_015509.3		NECAP endocytosis associated 1
NEDD8	NM_006156.2		neural precursor cell expressed, developmentally down-regulated 8
NFE2L2	NM_006164.3	nuclear factor (erythroid-derived 2)-like 2,nuclear factor, erythroid 2-like 2	nuclear factor, erythroid 2 like 2
NFIA	NM_001134673.2	nuclear factor I/A	nuclear factor I A
NFIB	NM_005396.2	nuclear factor I/B	nuclear factor I B
NHS1L1	NM_001144060.1	C6orf63:chromosome 6 open reading frame 63	NHS like 1
NKX6-2	NM_177400.2	NKG transcription factor related, locus 2 (Drosophila)	NKG homeobox 2
NMNA2	NM_015039.3	C1orf15:chromosome 1 open reading frame 15	nicotinamide nucleotide adenyltransferase 2
NMRAL1	NM_020677.3	NmrA-like family domain containing 1	NmrA like relox sensor 1
NPC1	NM_000271.3	Niemann-Pick disease, type C1	NPC intracellular cholesterol transporter 1
NPC2	NM_006432.3	Niemann-Pick disease, type C2	NPC intracellular cholesterol transporter 2
NPTX2	NM_002523.1	neuronal pentraxin II	neuronal pentraxin 2
NRBP2	NM_178564.2		nuclear receptor binding protein 2
NRXN3	NM_001105250.1	C14orf60:chromosome 14 open reading frame 60	neurxin 3
NSF	NM_006178.2	N-ethylmaleimide-sensitive factor,N-ethylmaleimide sensitive factor	N-ethylmaleimide sensitive factor, vesicle fusing ATPase
NTRK2	NM_001007097.1	neurotrophic tyrosine kinase, receptor, type 2	neurotrophic receptor tyrosine kinase 2
NUCKS1	NM_022731.3		nuclear casein kinase and cyclin dependent kinase substrate 1
NUDT21	NM_007006.2	CPSF5:cleavage and polyadenylation specific factor 5, 25 kDa,cleavage and polyadenylation specific factor 5, 25 kD subunit,nudix (nucleoside diphosphate linked moiety X)-type motif 21	nudix hydrolase 21
NUDT9	NM_001248011.1	nudix (nucleoside diphosphate linked moiety X)-type motif 9	nudix hydrolase 9
NUFIP2	NM_020772.2	nuclear fragile X mental retardation protein interacting protein 2,NUFIP2, FMR1 interacting protein 2	nuclear FMR1 interacting protein 2
OGCD03	NM_024648.2	C17orf101:chromosome 17 open reading frame 101,2-oxoglutarate and iron-dependent oxygenase domain containing 3	2-oxoglutarate and iron dependent oxygenase domain containing 3
OLFM3	NM_058170.3		olfactomedin 3
OPALIN	NM_001040102.2	TMEM10:transmembrane protein 10	oligodendrocytic myelin paranodal and inner loop protein
OPCML	NM_001012393.1		opioid binding protein/cell adhesion molecule like
ORC3	NM_181837.1	ORC3,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
OTUD4	NM_017493.6	OTU domain containing 4	OTU deubiquitinase 4
OTUD7B	NM_020205.3	ZA20D1:zinc finger, A20 domain containing 1,OTU domain containing 7B	OTU deubiquitinase 7B
PADI2	NM_007365.2	peptidyl arginine deiminase, type II	peptidyl arginine deiminase 2
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,MRX30,MRX47:mental retardation, X-linked 47,p21 (CDKN1A)-activated kinase 3,p21	p21 (RAC1) activated kinase 1
PAK3	NM_001128172.2	protein (Cdc42/Rac)-activated kinase 3	p21 (RAC1) activated kinase 3
PAR3	NM_019619.2	par-3 (partitioning defective 3, C.elegans) homolog,par-3 partitioning defective 3	par-3 family cell polarity regulator
PARL	NM_001037639.1	PSARL:presenilin associated, rhomboid-like	presenilin associated rhomboid like
PARM1	NM_015393.3		prostate androgen-regulated mucin-like protein 1
PBX1P1	NM_020524.2	pre-B-cell leukemia transcription factor interacting protein 1,pre-B-cell leukemia homeobox interacting protein 1	PBX homeobox interacting protein 1
PCB4	NM_020418.2	poly(C)-binding protein 4	poly(C) binding protein 4
PCDH9	NM_020403.3		protocadherin 9
PCSK2	NM_002594.2	NEC2	proprotein convertase subtilisin/kexin type 2
PCSK6	NM_002570.3	PACE4:paired basic amino acid cleaving system 4	proprotein convertase subtilisin/kexin type 6
PCYOX1L	NM_024028.3		prenylcysteine oxidase 1 like
PDCD6	NM_013232.2		programmed cell death 6
PDE1A	NM_005019.3	phosphodiesterase 1A, calmodulin-dependent	phosphodiesterase 1A
PDE1B	NM_000924.3	PDES1B:phosphodiesterase 1B, calmodulin-dependent	phosphodiesterase 1B
PDE1C	NM_001191059.1	phosphodiesterase 1C, calmodulin-dependent (70kD),phosphodiesterase 1C, calmodulin-dependent 70kDa	phosphodiesterase 1C
PDE8A	NM_001243137.1		phosphodiesterase 8A
PDLM5	NR_046186.1		PDZ and LIM domain 5
PECAM1	NM_000442.3	platelet/endothelial cell adhesion molecule 1	platelet and endothelial cell adhesion molecule 1
PER1	NM_002616.2	PER:period (Drosophila) homolog 1,period homolog 1 (Drosophila),period circadian clock 1	period circadian regulator 1
PEX13	NM_004813.2		peroxisomal biogenesis factor 16
PFKFB3	NM_004566.3		6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3
PGBD5	NM_001258311.1		piggyBac transposable element derived 5
PHLDB1	NM_001144758.1	pleckstrin homology-like domain, family 8, member 1	pleckstrin homology like domain family 8 member 1
PHLPP1	NM_194449.3	PLEKHE1,PHLPP:pleckstrin homology domain containing, family E (with leucine rich repeats) member 1,PH domain and leucine rich repeat protein phosphatase	PH domain and leucine rich repeat protein phosphatase 1
PHYHIP	NM_014759.3	DYRK1A3:phytanoyl-CoA hydroxylase interacting protein,DYRK1A interacting protein 3	phytanoyl-CoA 2-hydroxylase interacting protein
PI4KA	NM_058004.3	PIK4CA:phosphatidylinositol 4-kinase, catalytic, alpha	phosphatidylinositol 4-kinase alpha
PICALM	NM_007166.2		phosphatidylinositol binding clathrin assembly protein
PIK3R1	NM_181504.2	phosphoinositide-3-kinase, regulatory subunit 1 (alpha)	phosphoinositide-3-kinase regulatory subunit 1
PIP4K2A	NM_005028.3	PIPSK2A:phosphatidylinositol-4-phosphate 5-kinase, type II, alpha,phosphatidylinositol-5-phosphate 4-kinase, type II, alpha	phosphatidylinositol-5-phosphate 4-kinase type 2 alpha
PLA2G16	NM_007069.3	HRASL3,PLA2G16:HRAS-like suppressor 3,phospholipase A2, group XVI,phospholipase A2 group XVI	phospholipase A and acyltransferase 3
PLEKH7	NM_175058.4	pleckstrin homology domain containing, family A member 7	pleckstrin homology domain containing A7
PLEKHG3	NM_015549.1	KIAA0599,KIAA0599:pleckstrin homology domain containing, family G (with RhoGef domain) member 3	pleckstrin homology and RhoGef domain containing G3
PLEKH11	NM_020715.2	pleckstrin homology domain containing, family H (with MyTH4 domain) member 1	pleckstrin homology, MyTH4 and FERM domain containing H1
PLP	NM_015993.2	TM45F11:transmembrane 4 superfamily member 11 (plasmalpin),plasma membrane proteolipid (plasmalpin)	plasmalpin
PLOD3	NM_001084.4		procollagen-lysine,2-oxoglutarate 5-dioxygenase 3
PLP1	NM_000533.3	SPG2,PLP:spastic paraplegia 2, uncomplicated	proteolipid protein 1
PODXL	NM_005397.3	podocalyxin-like	podocalyxin like
POGK	NM_017542.3	pogo transposable element with KRAB domain	pogo transposable element derived with KRAB domain
PON2	NM_000305.2		panoxonase 2
POP4	NM_006627.1	processing of precursor 4, ribonuclease P/MRP subunit (S. cerevisiae)	POP4 homolog, ribonuclease P/MRP subunit
PPID	NM_005038.2	peptidylprolyl isomerase D (cyclophilin D)	peptidylprolyl isomerase D
PPOX	NM_000309.3	VP:variegate porphyria	protoporphyrinogen oxidase
PPP1C	NM_002710.2	protein phosphatase 1, catalytic subunit, gamma isoform,protein phosphatase 1, catalytic subunit, gamma isozyme	protein phosphatase 1 catalytic subunit gamma
PPP1R2	NM_006241.4	protein phosphatase 1, regulatory (inhibitor) subunit 2	protein phosphatase 1 regulatory inhibitor subunit 2
PPP3CB	NM_021132.2	CALN8: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

SLC41A1	NM_173854.4	solute carrier family 41 (magnesium transporter), member 1	solute carrier family 41 member 1
SLC4A1	NM_001286730.1	CDW92;CDW92 antigen,solute carrier family 44 (choline transporter), member 1	solute carrier family 44 member 1
SLC4A2	NM_020428.2	solute carrier family 44 (choline transporter), member 2	solute carrier family 44 member 2
SLC4A3	NM_001199694.1	EPB3L1,AE2,erythrocyte membrane protein band 3-like 1,solute carrier family 4, anion exchanger, member 2 (erythrocyte membrane protein band 3-like 1),solute carrier family 4 (anion exchanger), member 2	solute carrier family 4 member 2
SLC5A3	NM_006933.2	solute carrier family 5 (inositol transporter), member 3,solute carrier family 5 (sodium/myo-inositol cotransporter), member 3	solute carrier family 5 member 3
SLC6A17	NM_001010898.2	solute carrier family 6 (neurotransmitter transporter), member 17,solute carrier family 6, member 17,solute carrier family 6 (neutral amino acid transporter), member 17	solute carrier family 6 member 17
SLC8A2	NM_015063.2	solute carrier family 8 (sodium/calcium exchanger), member 2 solute carrier family 9 (sodium/hydrogen exchanger), isoform 9,solute carrier family 9 (sodium/hydrogen exchanger), member 9,solute carrier family 9, subfamily A (NHE3, cation proton antiporter 9), member 9	solute carrier family 8 member A2
SLC9A9	NM_173653.3	SLC21A9;solute carrier family 21 (organic anion transporter), member 9,solute carrier organic anion transporter family, member 2B1	solute carrier family 9 member A9
SLCO2B1	NM_001145212.2	MADH5;MAD, mothers against decapentaplegic homolog 5 (Drosophila);SMAD, mothers against DPP homolog 5 (Drosophila)	solute carrier organic anion transporter family member 2B1
SMA05	NM_005903.5	smg-5 homolog, nonsense mediated mRNA decay factor (C. elegans);SMG5, nonsense mediated mRNA decay factor	SMAD family member 5
SMG5	NM_015327.2	C19orf61;chromosome 19 open reading frame 61,smg-9 homolog, nonsense mediated mRNA decay factor (C. elegans);SMG9, nonsense mediated mRNA decay factor	SMG5 nonsense mediated mRNA decay factor
SMG9	NM_019108.2	C19orf42;chromosome 19 open reading frame 42	SMG9 nonsense mediated mRNA decay factor
SMIM7	NM_024101.3	SNAP-synaptosomal-associated protein, 25kDa	small integral membrane protein 7
SNAP25	NM_003081.3	synaptosomal-associated protein, 25kDa	synaptosome associated protein 25
SNAP29	NM_004782.3	synaptosomal-associated protein, 29kDa	synaptosome associated protein 29
SNAP47	NM_053052.2	C1orf142;chromosome 1 open reading frame 142,synaptosomal-associated protein, 47kDa	synaptosome associated protein 47
SNAP91	NM_001242794.1	synaptosomal-associated protein, 91 kDa (mouse) homolog PARK1,PARK4;Parkinson disease (autosomal dominant, Lewy body) 4,synuclein, alpha (non A4 component of amyloid precursor)	synaptosome associated protein 91
SNCA	NM_000345.2	G6orf151;chromosome 6 open reading frame 151,small nuclear ribonucleoprotein 48kDa (U11/U12),small nuclear ribonucleoprotein, U11/U12 48kDa subunit	synuclein alpha
SNRNP48	NM_152551.3	SNX1	small nuclear ribonucleoprotein U11/U12 subunit 48
SNX1	NM_152826.2	SNX22	sorting nexin 1
SNX22	NM_024782.2	SNX29	sorting nexin 22
SNX29	NM_032167.3	SNX3	sorting nexin 29
SNX3	NM_152827.2	SNX4	sorting nexin 3
SNX4	NM_003794.2	SNX5	sorting nexin 4
SNX5	NM_014426.2		sorting nexin 5
SOAT1	NM_003101.4	SOAT,STAT;sterol O-acyltransferase (acyl-Coenzyme A; cholesterol acyltransferase) 1	sterol O-acyltransferase 1
SORBS1	NM_001034956.1	SH3D5;SH3-domain protein 5 (poulin)	sterlin and SH3 domain containing 1
SOX5	NM_152989.2	SRY (sex determining region Y)-box 5,SRY box 5	SRY-box 5
SOXB8	NM_014587.2	SRY (sex determining region Y)-box 8,SRY box 8	SRY-box 8
SOX9	NM_000346.2	CHD1,CMFD1;chromatin dysplasia, autosomal sex-reversal,SRY (sex determining region Y)-box 9,SRY box 9	SRY-box 9
SPPL2B	NM_001077238.1	sepiapterin reductase (7,8-dihydrobiopterin:NADP+ oxidoreductase)	signal peptide peptidase like 2B
SPR	NM_003124.4	serine palmitoyltransferase long chain base subunit 2	sepiapterin reductase
SPTLC2	NM_004863.3	sterol regulatory element binding transcription factor 1	serine palmitoyltransferase long chain base subunit 2
SREBF1	NM_001005291.1	sergiclycin	sterol regulatory element binding transcription factor 1
SRGN	NR_036430.1	sericin	SRG
SRI	NM_003130.2	serine/arginine repetitive matrix 4	sericin
SRRM4	NM_194286.3	KIAA1853;KIAA1853	serine/arginine repetitive matrix 4
ST18	NM_014682.2	ZNF387;zinc finger protein 387,suppression of tumorigenicity 18 (breast carcinoma) (zinc finger protein),suppression of tumorigenicity 18, zinc finger,ST18, C2H2C-type zinc finger	ST18 C2H2C-type zinc finger transcription factor
ST3GAL3	NM_174966.2	SIAT6,MRT12;sialyltransferase 6 (N-acetyllactosaminide alpha 2,3-sialyltransferase),mental retardation, non-syndromic, autosomal recessive, 12	ST3 beta-galactoside alpha-2,3-sialyltransferase 3
ST6GAL1	NM_003032.2	SIAT1;sialyltransferase 1 (beta-galactoside alpha-2,6-sialyltransferase),ST6 beta-galactoside alpha-2,6-sialyltransferase 1,ST6 N-acetylgalactosaminide alpha-2,6-sialyltransferase 1	ST6 beta-galactoside alpha-2,6-sialyltransferase 1
STEGALNAC5	NM_030965.1	SIAT7E;sialyltransferase 7 (alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetyl galactosaminide alpha-2,6-sialyltransferase E,ST6 (alpha-N-acetyl-neuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 5,ST6 GalNac alpha-2,6-sialyltransferase 5	ST6 N-acetylgalactosaminide alpha-2,6-sialyltransferase 5
ST8S1A	NM_015879.2	SIAT8C;SIAT8C	ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 3
STARDB8	NM_014725.3	START domain containing 8	STAR related lipid transfer domain containing 8
STAT3	NM_003150.3	signal transducer and activator of transcription 3 (acute-phase response factor) staufen (Drosophila, RNA-binding protein) homolog 2,staufen, RNA binding protein, homolog 2 (Drosophila)	signal transducer and activator of transcription 3
STAU2	NM_014393.2	staufen double-stranded RNA binding protein 2	stau2
STIP1	NM_006819.2	stress-induced-phosphoprotein 1	stress induced phosphoprotein 1
STMN2	NM_007029.2	stathmin 2	stathmin 2
STOM	NM_004059.4	stomatatin	stomatatin
STON2	NM_033042.2	EPB7,EPB72;erythrocyte membrane protein band 7.2 (stomatin)	stonin 2
STX1A	NM_001165903.1	STX1,syntaxin 1A (brain)	syntaxin 1A
STX1B	NM_052874.3	STX1B1,STX1B2;syntaxin 1B1,syntaxin 1B2	syntaxin 1B
STX4	NM_001272095.1	STX4A;syntaxin 4A (placental)	syntaxin 4
STX6	NM_005819.4	syntaxin 6	syntaxin 6
STXBP1	NM_003165.3	syntaxin binding protein 1	syntaxin binding protein 1
STXBPL5	NM_014980.2	syntaxin binding protein 5-like	syntaxin binding protein 5 like
SUB1	NM_006713.3	SUB1 homolog (S. cerevisiae)	SUB1 homolog, transcriptional regulator
SULT4A1	NM_014351.3	sulfotransferase family 4A, member 1	sulfotransferase family 4A member 1
SUMF2	NM_001042470.1	sulfatase modifying factor 2	sulfatase modifying factor 2
SUN2	NM_001199580.1	UNC84B;unc-84 homolog B (C. elegans)	Sun2 and UNC84 domain containing 2
SV2A	NM_001278719.1	SV2 related protein homolog (rat)	synaptic vesicle glycoprotein 2A
SVOP	NM_018711.2	SV2 related protein homolog (rat)	SV2 related protein
SYN2	NM_003178.5	synapsin II	synapsin II
SYNGR1	NM_145731.3	synaptogyrin 1	synaptogyrin 1
SYNGR3	NM_004209.4	synaptogyrin 3	synaptogyrin 3
SYNJ1	NM_203446.1	synaptotagmin 1	synaptotagmin 1
SYP	NM_003179.2	synaptophysin	synaptophysin
SYT1	NM_005639.2	SYT,SVP65;synaptotagmin I	synaptotagmin I
SYT13	NM_001247987.1	synaptotagmin XIII	synaptotagmin 13
SYT16	NM_0031914.2	SYT14L;synaptotagmin XIV-like,synaptotagmin XVI	synaptotagmin 16
TAGLN2	NM_003564.1	transgelin 2	transgelin 2
TATDN3	NM_001042552.2	TatD DNase domain containing 3	TatD DNase domain containing 3
TBC1D30	NM_015279.1	TBC1 domain family, member 30	TBC1 domain family member 30
TBC1D9	NM_015130.2	TBC1 domain family, member 9 (with GRAM domain)	TBC1 domain family member 9
TBL3	NM_006453.2	transducin (beta)-like 3	transducin beta like 3
TCF12	NM_003205.3	T-cell, immune regulator 1,T-cell, immune regulator 1, ATPase, H+ transporting, lysosomal V0 protein a isoform 3,T-cell, immune regulator 1, ATPase, H+ transporting, lysosomal V0 subunit A3,T-cell immune regulator 1, ATPase H+ transporting V0 subunit a3	transcription factor 12
TCIRG1	NM_006053.2	T cell immune regulator 1,ATPase H+ transporting V0 subunit a3	T cell immune regulator 1,ATPase H+ transporting V0 subunit a3
TENM2	NM_001122679.1	ODZ2;odz, odd Oz/ten-m homolog 2 (Drosophila)	teneurin transmembrane protein 2
TF	NM_001063.2	transferrin	transferrin
TFEB	NM_007162.2	transcription factor EB	transcription factor EB
TGFA	NM_003236.2	transforming growth factor, alpha MSSE,ESS1;multiple self-healing squamous epithelioma,transforming growth factor beta receptor I	transforming growth factor alpha
TGFB	NM_004612.2	transforming growth factor, beta receptor II (70/80kDa),transforming growth factor beta receptor II	transforming growth factor beta receptor 1
TGFR2	NM_001024847.1	transforming growth factor, beta receptor II (70/80kDa),transforming growth factor beta receptor II	transforming growth factor beta receptor 2
TGM2	NM_004613.2	transglutaminase 2 (C polypeptide, protein-glutamine-gamma-glutamyltransferase)	transglutaminase 2
THAP1	NM_018105.2	DYT6;dystonia 6, torsion (autosomal dominant),THAP domain containing, apoptosis associated protein 1	THAP domain containing 1
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
TJP2	NM_004817.2	DFNAs1;deafness, autosomal dominant 51	tight junction protein 2
TLL1	NM_006289.3	TLLN	talin 1
TM4SF1	NM_014220.2	M351;transmembrane 4 superfamily member 1	transmembrane 4 L six family member 1
TMBIM4	NM_022152.4	transmembrane BAK inhibitor motif containing 1	transmembrane BAK inhibitor motif containing 1
TMBIM6	NM_002117.2	TEGT;testis enhanced gene transcript	transmembrane BAK inhibitor motif containing 6
TMCC1	NM_015008.4	transmembrane and coiled-coil domains 1	transmembrane and coiled-coil domain family 1

TMCC3	NM_020698.2	transmembrane and coiled-coil domains 3	transmembrane and coiled-coil domain family 3
TMED10	NM_006827.5	transmembrane emp24-like trafficking protein 10 (yeast)	transmembrane p24 trafficking protein 10
TMEM125	NM_144626.1		transmembrane protein 125
TMEM128	NM_001297551.1		transmembrane protein 128
TMEM144	NM_018342.4		transmembrane protein 144
TMEM165	NM_018475.4		transmembrane protein 165
TMEM168	NM_022484.5		transmembrane protein 168
TMEM176A	NM_018487.2		transmembrane protein 176A
TMEM176B	NM_001101311.1		transmembrane protein 176B
TMEM209	NM_032842.3		transmembrane protein 209
TMEM231	NM_001077416.1		transmembrane protein 231
TMEM246	NM_032342.1	C9orf125;chromosome 9 open reading frame 125	transmembrane protein 246
TMEM47	NM_031442.3	TM45F10;transmembrane 4 superfamily member 10	transmembrane protein 47
TMEM59L	NM_012109.2	C19orf4;chromosome 19 open reading frame 4	transmembrane protein 59 like
TMEM63A	NM_014698.2	KIAA0792;KIAA0792	transmembrane protein 63A
TMT2	NM_152588.1		transmembrane and tetratricopeptide repeat containing 2
TNFAIP8	NM_00107654.1	tumor necrosis factor, alpha-induced protein 8	TNF alpha induced protein 8
TNFRSF1A	NM_001065.2	TNFR1;tumor necrosis factor receptor superfamily, member 1A	TNF receptor superfamily member 1A
TOLLIP	NM_019009.2		toll interacting protein
		DYT1;dystonia 1, torsion (autosomal dominant; torsin A),torsin family 1, member A	
TOR1A	NM_000113.2	(torsin A)	torsin family 1 member A
TP53BP2	NM_001031685.2	tumor protein p53-binding protein, 2	tumor protein p53 binding protein 2
TPI1	NM_000365.4		triosephosphate isomerase 1
TPPP3	NM_015964.2		tubulin polymerization promoting protein family member 3
		C9orf75;DFNB79;chromosome 9 open reading frame 75;deafness, autosomal recessive	
TPRN	NM_001128228.2	79	taperin
TRAPP2L	NM_016209.3	trafficking protein particle complex 2-like	trafficking protein particle complex 2 like
TRAPPC4	NM_016146.4		trafficking protein particle complex 4
TRAPPC6A	NM_001270891.1		trafficking protein particle complex 6A
TREM2	NM_018965.2	triggering receptor expressed on myeloid cells 2a	triggering receptor expressed on myeloid cells 2
TRIM59	NM_173084.2	TRIM57;tripartite motif-containing 57,tripartite motif-containing 59	tripartite motif containing 59
		RGM3;RNA (guanine-9-) methyltransferase domain containing 3,IRNA	
TRMT10B	NM_144964.3	methyltransferase 10 homolog B (S. cerevisiae)	tRNA methyltransferase 10B
TRPC1	NM_003304.4	transient receptor potential cation channel, subfamily C, member 1	transient receptor potential cation channel subfamily C member 1
TRRAP	NM_003496.2	transformation/transcription domain-associated protein	transformation/transcription domain associated protein
		SDCCAG33;serologically defined colon cancer antigen 33,teashirt zinc finger 1,teashirt family zinc finger 1	
TSHZ1	NM_005786.5		teashirt zinc finger homeobox 1
TSNAX	NM_005999.2		translin associated factor X
TSPAN15	NM_012339.3	TM45F15;transmembrane 4 superfamily member 15	tetraspanin 15
TSPAN6	NM_003270.3	TM45F6;transmembrane 4 superfamily member 6	tetraspanin 6
TSP0	NM_000714.4	B2RP;benzodiazepine receptor (peripheral),translocator protein (18kDa)	translocator protein
TTYH2	NM_032646.5	tweety (Drosophila) homolog 2,tweety homolog 2 (Drosophila)	tweety family member 2
TYROBP	NM_003332.2	PLOSL	TYRO protein tyrosine kinase binding protein
UZAF2	NM_007279.2	U2 (RNU2) small nuclear RNA auxiliary factor 2	U2 small nuclear RNA auxiliary factor 2
UGT2	NM_020121.3	UGCG12;UDP-glucose ceramide glucosyltransferase-like 2	UDP-glucose glycoprotein glucosyltransferase 2
UGT8	NM_001281741.1	CGT1;UDP-galactose ceramide glucosyltransferase	UDP-glycosyltransferase 8
UNC119	NM_054035.1	unc-119 (C.elegans) homolog;unc-119 homolog (C. elegans)	unc-119 lipid binding chaperone
UNC5D	NM_080872.2	unc-5 homolog D (C. elegans)	unc-5 netrin receptor D
UQCRCQ	NM_014402.4	ubiquinol-cytochrome c reductase, complex III subunit VII, 9.5kDa	ubiquinol-cytochrome c reductase complex III subunit VII
UROD	NR_036510.1		uroporphyrinogen decarboxylase
UROS	NM_000375.2		uroporphyrinogen III synthase
USP31	NM_020718.2	ubiquitin specific protease 31	ubiquitin specific peptidase 31
USP54	NM_152586.3	C10orf29;chromosome 10 open reading frame 29,ubiquitin specific protease 54	ubiquitin specific peptidase 54
UTRN	NM_007124.2	DMDL;utrophin (homologous to dystrophin)	utrophin
VAMP1	NM_199245.1	SVB1;synaptobrevin 1	vesicle associated membrane protein 1
VAMP3	NM_004781.3		vesicle associated membrane protein 3
VAMP8	NM_003761.4		vesicle associated membrane protein 8
VAPB	NM_004738.4	VAMP (vesicle-associated membrane protein)-associated protein B and C	VAMP associated protein B and C
VAV2	NM_001134398.1	vav 2 oncogene,vav 2 guanine nucleotide exchange factor	vav guanine nucleotide exchange factor 2
VEZF1	NM_007146.2	ZNF161;zinc finger protein 161	vascular endothelial zinc finger 1
VGF	NM_003378.3		VEGF nerve growth factor inducible
		vacuolar protein sorting 33B (yeast homolog),vacuolar protein sorting 33 homolog B (yeast),VPS33B, late endosome and lysosome associated	
VPS33B	NM_018668.3		VPS33B late endosome and lysosome associated
VSNL1	NM_003385.4		visinin like 1
WAC	NM_100486.2	WW domain-containing adaptor with coiled coil	WW domain containing adaptor with coiled-coil
		C1orf139;GPR177;chromosome 1 open reading frame 139,G protein-coupled receptor 177,wntless homolog (Drosophila),wntless Wnt ligand secretion mediator	
WLS	NM_024911.4		Wnt ligand secretion mediator
WSCD2	NM_014653.2		WSC domain containing 2
WWC1	NM_001161662.1	WW, C2 and coiled-coil domain containing 1	WW and C2 domain containing 1
WWTR1	NM_001168278.1		WW domain containing transcription regulator 1
YAP1	NM_001130145.2	Yes-associated protein 1, 65kDa	Yes associated protein 1
YBX1	NM_004559.3	NSEP1;nuclease sensitive element binding protein 1	Y-box binding protein 1
YBX3	NM_003651.3	CSDA;cold shock domain protein A	Y-box binding protein 3
YES1	NM_005433.3	v-yes-1 Yamaguchi sarcoma viral oncogene homolog 1	YES proto-oncogene 1, Src family tyrosine kinase
		tyrosine 3-monoxygenase/tryptophan 5-monoxygenase activation protein, gamma polypeptide	
YWHAG	NM_012479.3		tyrosine 3-monoxygenase/tryptophan 5-monoxygenase activation protein gamma
ZBTB33	NM_006777.3		zinc finger and BTB domain containing 33
ZBTB80S	NM_178547.2		zinc finger and BTB domain containing 8 opposite strand
		ZDHC10,Cxor11;zinc finger, DHHC-type containing 10,chromosome X open reading frame 11	
ZDHC9	NM_016032.3		zinc finger DHHC-type containing 9
ZEB2	NM_001171653.1	ZFHXB18;zinc finger homeobox 1b	zinc finger E-box binding homeobox 2
ZFP36	NM_003407.2	zinc finger protein 36, C3H type, homolog (mouse)	ZFP36 ring finger protein
ZFP36L1	NM_004926.2	BRF1;zinc finger protein, C3H type, 36-like 1,zinc finger protein 36, C3H type-like 1	ZFP36 ring finger protein like 1
ZMI22	NM_031449.3		zinc finger MI2-type containing 2
ZNF18	NM_144680.2	zinc finger protein 18 (KOX 11)	zinc finger protein 18
ZNF36	NM_014717.2		zinc finger protein 336
ZNF592	NM_014630.2	SCARS;spinocerebellar ataxia, autosomal recessive 5	zinc finger protein 592
ZNF768	NM_024671.3		zinc finger protein 768
ZNHIT3	NM_001033577.1	TRIP3;thyroid hormone receptor interactor 3,zinc finger, HIT type 3	zinc finger HIT-type containing 3
Internal Reference Genes			
AARS	NM_001605.2		alanyl-tRNA synthetase
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
LARS	NM_020117.9		leucyl-tRNA synthetase
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 gamma subunit
TADA2B	NM_152293.2		transcriptional adaptor 2B