

Official Symbol	Accession	Alias / Previous Symbol	Official Full Name
3110043021Rik	NM_001081343.1	C9orf72	RIKEN cDNA 3110043021 gene
Abat	NM_001170978.1	9630038C02Rik, GABA-T	4-aminobutyrate aminotransferase
Abl1	NM_009594.4	c-Abl, E430008G22Rik	c-abl oncogene 1, non-receptor tyrosine k
Acaa1a	NM_130864.3	peroxisomal 3-ketoacyl-	acetyl-Coenzyme A acyltransferase 1A
Ache	NM_009599.3		acetylcholinesterase
Acin1	NM_001085472.2	2610510L13Rik, Acinus,	apoptotic chromatin condensation induce
Actn1	NM_134156.2	3110023F10Rik	actinin, alpha 1
Acvrl1	NM_009612.2	Acvrlk1, Alk-1, activin re	activin A receptor, type II-like 1
Adam10	NM_007399.3	kuzbanian, kuz, 1700031	a disintegrin and metallopeptidase domain
Adcy5	NM_001012765.4	AC5	adenylate cyclase 5
Adcy8	NM_009623.2	AC8	adenylate cyclase 8
Adcy9	NM_009624.1	ACtp10, D16Wsu65e	adenylate cyclase 9
Adcyap1	NM_001315503.1	PACAP	adenylate cyclase activating polypeptide
Adora1	NM_001008533.3	A1AR, A1R, Ri, AA1R, A1	adenosine A1 receptor
Adora2a	NM_009630.2	A2a, Rs, A2aR, AA2AR, A	adenosine A2a receptor
Adra2a	NM_007417.4	alpha2A-AR, alpha(2A)A	adrenergic receptor, alpha 2a
Adrb2	NM_007420.2	beta 2-adrenoceptor, Ad	adrenergic receptor, beta 2
Ager	NM_007425.2	RAGE	advanced glycosylation end product-speci
Al464131	NM_001085515.2	NET37	expressed sequence Al464131
Aif1	NM_019467.2	G1, Iba1, D17H6S50E	allograft inflammatory factor 1
Akt1	NM_001165894.1	PKB/Akt, PKB, Akt, PKB	thymoma viral proto-oncogene 1
Akt1s1	NM_026270.4	1110012J22Rik, Lobe, P	AKT1 substrate 1 (proline-rich)
Akt2	NM_001110208.1	PKBbeta, 2410016A19Rik	thymoma viral proto-oncogene 2
Akt3	NM_011785.3	PKB gamma, D930002M1	thymoma viral proto-oncogene 3
Aldh1l1	NM_027406.1	1810048F20Rik, Fthfd	aldehyde dehydrogenase 1 family, membe
Amigo1	NM_001004293.2		adhesion molecule with Ig like domain 1
Amph	NM_175007.1		amphiphysin
Ang	NM_007447.2	Ang1, Rnase5a	angiogenin, ribonuclease, RNase A family,
Angpt2	NM_007426.3	Ang2, Ang-2	angiopoietin 2
Ap1s1	NM_007457.2	AP19	adaptor protein complex AP-1, sigma 1
Ap2a2	NM_007459.3	alpha-C adaptin, L25, 24	adaptor-related protein complex 2, alpha
Ap2b1	NM_001035854.2	1300012O03Rik	adaptor-related protein complex 2, beta 1
Ap3m2	NM_029505.3	AP-3B, 5830445E16Rik	adaptor-related protein complex 3, mu 2
Ap3s1	NM_009681.5	[s]3A	adaptor-related protein complex 3, sigma
Ap4s1	NM_021710.3		adaptor-related protein complex AP-4, sig
Apaf1	NM_009684.2	6230400I06Rik, Apaf1l	apoptotic peptidase activating factor 1
Apc	NM_007462.3	Min, CC1	adenomatosis polyposis coli
Apoe	NM_001305844.1		apolipoprotein E
App	NM_007471.2	betaAPP, Adap, protease	amyloid beta (A4) precursor protein
Aqp4	NM_009700.2	aquaporin-4	aquaporin 4
Arc	NM_018790.2	Arc3.1, arg 3.1	activity regulated cytoskeletal-associated
Arhgap44	NM_001099288.1	AU040829	Rho GTPase activating protein 44
Arhgef10	NM_001037736.1	6430549H08Rik	Rho guanine nucleotide exchange factor (
Arrb2	NM_145429.4	beta-arrestin2, beta arr	arrestin, beta 2
Arsa	NM_009713.4	As-2, As2, AS-A, ASA	arylsulfatase A
Atcay	NM_178662.3	3322401A10Rik, ji, BNIP	ataxia, cerebellar, Cayman type
Atf4	NM_009716.2	TAXREB67, CREB2, Atf-4,	activating transcription factor 4
Atf6	NM_001081304.1	9130025P16Rik, Atf6alph	activating transcription factor 6
Atg5	NM_053069.5	Apg5l, 3110067M24Rik, 2	autophagy related 5

Atm	NM_007499.2	C030026E19Rik	ataxia telangiectasia mutated
Atp13a2	NM_029097.2	1110012E06Rik	ATPase type 13A2
Atp2b3	NM_177236.3	6430519O13Rik, Pmca3	ATPase, Ca++ transporting, plasma membr
Atp6v0c	NM_009729.3	PL16, Atp6c2, Atpl, H(+)	ATPase, H+ transporting, lysosomal V0 sub
Atp6v0d1	NM_013477.3	Atp6d, Ac39, lysosomal	ATPase, H+ transporting, lysosomal V0 sub
Atp6v0e	NM_025272.2	M9.2, Atp6k, lysosomal	ATPase, H+ transporting, lysosomal V0 sub
Atp6v0e2	NM_133764.3	0610006O14Rik	ATPase, H+ transporting, lysosomal V0 sub
Atp6v1a	NM_007508.5	lysosomal 70kDa, VPP2,	ATPase, H+ transporting, lysosomal V1 sub
Atp6v1d	NM_023721.2	Atp6m, VATD, lysosomal	ATPase, H+ transporting, lysosomal V1 sub
Atp6v1e1	NM_007510.2	E2, Atp6v1e, Atp6e, H(+)	ATPase, H+ transporting, lysosomal V1 sub
Atp6v1g2	NM_023179.3	1500002D01Rik, lysosom	ATPase, H+ transporting, lysosomal V1 sub
Atp6v1h	XM_006495434.2	0710001F19Rik	ATPase, H+ transporting, lysosomal V1 sub
Atp7a	NM_001109757.2	MNK, br, Menkes protein	ATPase, Cu++ transporting, alpha polypep
Atp8a2	NM_015803.2	lb, wl, agil	ATPase, aminophospholipid transporter-lik
Atrn	NM_009730.2	Mgca	attractin
Atxn2	NM_009125.2	ATX2, Sca2, 9630045M23	ataxin 2
Atxn3	NM_001167914.1	MJD1, Mjd, Sca3, 221000	ataxin 3
Atxn7	NM_139227.4	Sca7, ataxin-7, A430107l	ataxin 7
Avp	NM_009732.2	Vp, Vsp	arginine vasopressin
Axin2	NM_015732.4	Conductin, Axil	axin 2
B4galt6	NM_019737.2		UDP-Gal:betaGlcNAc beta 1,4-galactosyltr
Bace1	NM_011792.4		beta-site APP cleaving enzyme 1
Bad	NM_007522.3	Bbc2	BCL2-associated agonist of cell death
Bax	NM_007527.3		BCL2-associated X protein
Bcas1	NM_029815.2	NABC1, 9030223A09Rik,	breast carcinoma amplified sequence 1
Bcas2	NM_026602.3	C76366, 6430539P16Rik	breast carcinoma amplified sequence 2
Bche	NM_009738.3	C730038G20Rik	butyrylcholinesterase
Bcl2	NM_009741.3	Bcl-2, D830018M01Rik, C	B cell leukemia/lymphoma 2
Bcl2l1	NM_009743.4	Bcl-XL, BclX, Bcl-Xs, bcl	BCL2-like 1
Bdnf	NM_007540.4		brain derived neurotrophic factor
Becn1	NM_019584.3	Atg6	beclin 1, autophagy related
Bid	NM_007544.3	2700049M22Rik	BH3 interacting domain death agonist
Bnip3	NM_009760.4	Nip3	BCL2/adenovirus E1B interacting protein 3
Brms1l	NM_001037756.2	0710008O11Rik, BRMS1,	breast cancer metastasis-suppressor 1-like
C1qa	NM_007572.2	C1q	complement component 1, q subcompone
C1qb	NM_009777.2		complement component 1, q subcompone
C1qc	NM_007574.2	C1qg	complement component 1, q subcompone
C3	XM_011246258.1	acylation stimulating pro	complement component 3
C4a	NM_011413.2	Slp	complement component 4A (Rodgers blood
C6	NM_016704.2		complement component 6
Cab39	NM_133781.4	39kDa, MO25alpha	calcium binding protein 39
Cacna1a	NM_007578.3	nmf352, smrl, SCA6, alp	calcium channel, voltage-dependent, P/Q
Cacna1b	NM_001042528.1	alpha(1B), Cav2.2, Cchn	calcium channel, voltage-dependent, N ty
Cacna1c	NM_001159535.1	L-type Cav1.2, Cav1.2, (calcium channel, voltage-dependent, L ty
Cacna1d	NM_028981.2	Cchl1a2, Cav1.3alpha1,	calcium channel, voltage-dependent, L ty
Cacna1f	NM_019582.2	Cav1.4, Sfc17	calcium channel, voltage-dependent, alph
Cacna1s	NM_014193.2	sj, Cav1.1, mdg, fmd, m	calcium channel, voltage-dependent, L ty
Cacnb2	NM_023116.3	Cchb2, Cavbeta2	calcium channel, voltage-dependent, beta
Cacnb4	NM_146123.2	3110038O15Rik, Cchb4	calcium channel, voltage-dependent, beta
Cadm3	NM_053199.3	Necl1, Necl-1, Tsl1, Igsf	cell adhesion molecule 3

Cadps	NM_001042617.1	CAPS1	Ca ²⁺ -dependent secretion activator
Calb1	NM_009788.4	Calb-1, CB, Brain-2, Call	calbindin 1
Calb2	NM_007586.1	CR, calretinin	calbindin 2
Calm1	NM_009790.4		calmodulin 1
Calm4	NM_020036.4	2310037J09Rik, Scarf, D	calmodulin 4
Camk2b	NM_001174053.1	CaMK II	calcium/calmodulin-dependent protein ki
Camk2d	NM_001025439.1	CaMK II, 2810011D23Rik,	calcium/calmodulin-dependent protein ki
Camk2g	NM_001039138.1	Camkg, 5930429P18Rik,	calcium/calmodulin-dependent protein ki
Camk4	NM_009793.3	A430110E23Rik, CaMKIV,	calcium/calmodulin-dependent protein ki
Car2	NM_009801.4	Lvtw-5, Car-2, CA II, Ltw	carbonic anhydrase 2
Casp1	NM_009807.2	interleukin 1 beta-conve	caspase 1
Casp3	NM_009810.2	CPP32, Caspase-3, mldy,	caspase 3
Casp6	NM_009811.3	Mch2, mCASP-6	caspase 6
Casp7	NM_007611.2	ICE-IAP3, caspase-7, Mcl	caspase 7
Casp8	NM_009812.2	FLICE, MACH, Caspase-8	caspase 8
Casp9	NM_015733.4	ICE-LAP6, Caspase-9, Mc	caspase 9
Cast	NM_009817.1		calpastatin
Cck	NM_031161.2		cholecystokinin
Ccl12	NM_011331.2	MCP-5, Scya12	chemokine (C-C motif) ligand 12
Ccl5	NM_013653.1	Scya5, RANTES, TCP228,	chemokine (C-C motif) ligand 5
Ccnd1	NM_007631.1	Cyl-1, bcl-1, PRAD1, cD1	cyclin D1
Ccnh	NM_023243.2	6330408H09Rik	cyclin H
Ccr2	NM_009915.2	CKR2B, CKR2A, Cmkbr2,	chemokine (C-C motif) receptor 2
Ccr5	NM_009917.5	Cmkbr5, CD195	chemokine (C-C motif) receptor 5
Ccs	XM_006531645.1	Ccsd, CCS	copper chaperone for superoxide dismuta
Cd14	NM_009841.3		CD14 antigen
Cd33	NM_001111058.1	gp67, Siglec-3	CD33 antigen
Cd34	NM_001111059.1		CD34 antigen
Cd4	NM_013488.2	L3T4, Ly-4	CD4 antigen
Cd40	NM_011611.2	p50, Bp50, Tnfrsf5, Cd40	CD40 antigen
Cd44	NM_009851.2	Pgp-1, HERMES, Ly-24	CD44 antigen
Cd68	NM_009853.1	macrosialin, Scard1, Lan	CD68 antigen
Cd8a	NM_001081110.2	Lyt-2, Ly-35, Ly-2, Ly-B	CD8 antigen, alpha chain
Cd9	NM_007657.3	Tspan29	CD9 antigen
Cdc27	NM_145436.2	APC3	cell division cycle 27
Cdc40	NM_027879.2	EHB3, 1200003H23Rik, P	cell division cycle 40
Cdk2	NM_016756.4	A630093N05Rik	cyclin-dependent kinase 2
Cdk5	NM_007668.3	Crk6	cyclin-dependent kinase 5
Cdk5r1	NM_009871.2	D11Bwg0379e, p35, p25	cyclin-dependent kinase 5, regulatory sub
Cdk5rap3	NM_030248.1	MST016, 1810007E24Rik,	CDK5 regulatory subunit associated protei
Cdk7	NM_009874.3	CRK4 PK (CDC2-related-l	cyclin-dependent kinase 7
Cdkn1a	NM_007669.4	CDKI, SDI1, p21Cip1, CIP	cyclin-dependent kinase inhibitor 1A (P21
Cds1	NM_173370.3	4833409J18Rik, phospho	CDP-diacylglycerol synthase 1
Cers1	NM_138647.3	Lass1, to, CerS1, Uog-1	ceramide synthase 1
Cers2	NM_029789.1	CerS2, Lass2, Trh3, 0610	ceramide synthase 2
Cers4	NM_026058.4	Trh1, CerS4, 2900019C1	ceramide synthase 4
Cers6	NM_172856.3	4732462C07Rik, CerS6, L	ceramide synthase 6
Chat	NM_009891.2	B230380D24Rik	choline acetyltransferase
Chd4	NM_145979.2	Mi-2beta, 9530019N15Ri	chromodomain helicase DNA binding prote
Chl1	NM_007697.2	LICAM2, CALL, A530023N	cell adhesion molecule L1-like

Chmp2b	NM_026879.2	1190006E07Rik, chromat	charged multivesicular body protein 2B
Chrm5	NM_205783.2	muscarinic acetylcholine	cholinergic receptor, muscarinic 5
Chrna7	NM_007390.3	alpha7, alpha7 nicotinic	cholinergic receptor, nicotinic, alpha poly
Chrn2	NM_009602.4	[b]2-nAChR, Acrb-2, Acrt	cholinergic receptor, nicotinic, beta polyp
Cldn15	NM_021719.4	2210009B08Rik	claudin 15
Cldn5	NM_013805.4	Tmvcf	claudin 5
Cln3	NM_001146311.1	battenin	ceroid lipofuscinosis, neuronal 3, juvenile
Cln8	NM_012000.3		ceroid-lipofuscinosis, neuronal 8
Clu	NM_013492.2	D14Ucla3, Sugp-2, comp	clusterin
Cnksr2	NM_177751.2	Ksr2, Cnk2	connector enhancer of kinase suppressor c
Cnr1	NM_007726.3	CB1R, CB1	cannabinoid receptor 1 (brain)
Cntf	NM_170786.2		ciliary neurotrophic factor
Cntn1	NM_001159647.1	CNTN, F3cam, usl	contactin 1
Cntn4	NM_001109751.1	Axcam, BIG-2A	contactin 4
Cntnap1	NM_016782.2	p190, shm, paranodin, C	contactin associated protein-like 1
Cntnap2	NM_001004357.2	Caspr2, 5430425M22Rik	contactin associated protein-like 2
Col4a1	NM_009931.2	Del(8)44H, alpha1(IV) co	collagen, type IV, alpha 1
Col4a2	NM_009932.3	Col4a-2	collagen, type IV, alpha 2
Comt	NM_007744.3	Comt1, D16Wsu103e, D3	catechol-O-methyltransferase
Cp	NM_001042611.1	D3Erttd555e	ceruloplasmin
Cplx1	NM_007756.3	921-S	complexin 1
Cpt1b	NM_009948.2	Cpt1, M-CPTI, M-CPT I	carnitine palmitoyltransferase 1b, muscle
Creb1	NM_001037726.1	2310001E10Rik, Creb-1,	cAMP responsive element binding protein
Crebbp	NM_001025432.1	CBP, KAT3A	CREB binding protein
Crh	NM_205769.1	LOC383938, corticotropi	corticotropin releasing hormone
Crtc2	NM_028881.2	4632407F12Rik	CREB regulated transcription coactivator 2
Csf1	NM_001113530.1	colony-stimulating facto	colony stimulating factor 1 (macrophage)
Csf1r	NM_001037859.1	CD115, Fms, Csfmr, Fim-	colony stimulating factor 1 receptor
Csf2rb	NM_007780.4	Csf2rb1, CDw131, Il5rb,	colony stimulating factor 2 receptor, beta
Cspg4	NM_139001.2	NG2, AN2, 4732461B14Ri	chondroitin sulfate proteoglycan 4
Ctnnb1	NM_007614.2	beta-catenin, beta cate	catenin (cadherin associated protein), bet
Ctns	NM_031251.4		cystinosis, nephropathic
Ctse	NM_007799.3	A430072O03Rik, C92000	cathepsin E
Cul1	NM_012042.3		cullin 1
Cul2	NM_029402.3	1300003D18Rik, 4932411	cullin 2
Cul3	NM_016716.4		cullin 3
Cx3cl1	NM_009142.3	neurotactin, CX3C, D8Bv	chemokine (C-X3-C motif) ligand 1
Cx3cr1	NM_009987.3		chemokine (C-X3-C motif) receptor 1
Cxcl10	NM_021274.1	glP-10, Ifi10, C7, IP10, Il	chemokine (C-X-C motif) ligand 10
Cxcl11	NM_019494.1	SCYB9B, IP9, I-TAC, Scyb	chemokine (C-X-C motif) ligand 11
Cxcl12	NM_021704.3	TPAR1, Sdf1b, TLSF-a, Sc	chemokine (C-X-C motif) ligand 12
Cxcl16	NM_023158.6	SR-PSOX/CXCL16, SR-PS	chemokine (C-X-C motif) ligand 16
Cxcr4	NM_009911.3	Sdf1r, b2b220Clo, PB-CK	chemokine (C-X-C motif) receptor 4
Cxxc1	NM_028868.3	Cgbp, 2410002116Rik, 58	CXXC finger 1 (PHD domain)
Cybb	NM_007807.2	Cgd, gp91<phox>, gp91p	cytochrome b-245, beta polypeptide
Cycs	NM_007808.4		cytochrome c, somatic
Cyp4x1	NM_001003947.1	Cyp4a28-ps	cytochrome P450, family 4, subfamily x, p
Dagla	NM_198114.2	Nsddr	diacylglycerol lipase, alpha
Dbh	NM_138942.3		dopamine beta hydroxylase
Dcx	NM_010025.2	lissencephaly, X-linked (doublecortin

Ddc	NM_016672.4	Aadc, aromatic L-amino	dopa decarboxylase
Ddit3	NM_007837.3	chop, CHOP-10, C/EBP h	DNA-damage inducible transcript 3
Ddx23	NM_001080981.1	4921506D17Rik, 3110082	DEAD (Asp-Glu-Ala-Asp) box polypeptide 2
Des	NM_010043.1		desmin
Dgkb	NM_178681.4	DGK-beta, C630029D13R	diacylglycerol kinase, beta
Dgke	NM_019505.3	DAGK6	diacylglycerol kinase, epsilon
Dlat	NM_145614.4	PDC-E2, 6332404G05Rik	dihydrolipoamide S-acetyltransferase (E2
Dld	NM_007861.4	dihydrolipoyl dehydroge	dihydrolipoamide dehydrogenase
Dlg3	NM_001177778.1	DLG3, SAP102, Dlgh3	discs, large homolog 3 (Drosophila)
Dlg4	NM_001109752.1	SAP90, Dlgh4, PSD95, SA	discs, large homolog 4 (Drosophila)
Dlgap1	NM_027712.3	GKAP/SAPAP, D17Bwg051	discs, large (Drosophila) homolog-associat
Dll4	NM_019454.2	Delta4	delta-like 4 (Drosophila)
Dlx1	NM_010053.1	Dlx, DII B, Dlx-1	distal-less homeobox 1
Dlx2	NM_010054.2	Dlx-2, Tes-1, DII A	distal-less homeobox 2
Dnah1	NM_001033668.1	Dnahc1, B230373P09Rik,	dynein, axonemal, heavy chain 1
Dnaja2	NM_019794.4	DNJ3, 1500017M13Rik, n	DnaJ heat shock protein family (Hsp40) m
Dnm1l	NM_001025947.1	6330417M19Rik, Dnmlp1	dynamin 1-like
Dnm2	NM_001039520.1	b2b2159Clo, Dyn2	dynamin 2
Dot1l	NM_199322.1	KMT4, mDot1	DOT1-like, histone H3 methyltransferase (
Drd1	NM_010076.3	Drd1a, C030036C15Rik, l	dopamine receptor D1
Drd2	NM_010077.2	D2R, D2 receptor, Drd-2	dopamine receptor D2
Drd4	NM_007878.2	D4R, Drd-4	dopamine receptor D4
Efna1	NM_010107.4	B61, LERK-1, Eplg1, Lerk	ephrin A1
Efna5	NM_207654.2	Ephrin-A5, RAGS, Epl7, L	ephrin A5
Efnb3	NM_007911.5	Elk-L3, EFL-6, ELF-3, LE	ephrin B3
Efr3a	NM_133766.3	D030063F01Rik, C920006	EFR3 homolog A
Egf	NM_010113.3		epidermal growth factor
Egfl7	NM_001164564.1	Zneu1, vascular endothe	EGF-like domain 7
Egfr	NM_207655.2	avian erythroblastic leu	epidermal growth factor receptor
Egr1	NM_007913.5	NGF1-A, Zif268, Zenk, K	early growth response 1
Egr2	NM_010118.2	Zfp-25, NGF1-B, Egr-2, k	early growth response 2
Ehmt1	NM_001012518.2	9230102N17Rik, KMT1D	euchromatic histone methyltransferase 1
Eif2s1	NM_026114.3	Eif2a, 0910001O23Rik, 2	eukaryotic translation initiation factor 2,
Emcn	NM_001163522.1	0610012K22Rik	endomucin
Emp2	NM_007929.2	Xmp	epithelial membrane protein 2
Eng	NM_001146350.1	CD105, Endo	endoglin
Entpd2	NM_009849.2	NTPDase2, Cd39l1	ectonucleoside triphosphate diphosphohy
Entpd4	NM_026174.2	A430102M06Rik, 1200014	ectonucleoside triphosphate diphosphohy
Ep300	NM_177821.6	KAT3B, p300	E1A binding protein p300
Epha2	NM_010139.2	Sek-2, Myk2, Sek2, Eck	Eph receptor A2
Epha3	NM_010140.3	Mek4, End3, Cek4, Hek4	Eph receptor A3
Epha4	NM_007936.3	Tyro1, Hek8, Cek8, rb, S	Eph receptor A4
Epha5	NM_007937.3	Cek7, Ehk1, Hek7, Rek7,	Eph receptor A5
Epha6	NM_007938.2	Hek12, Ehk2, m-ehk2	Eph receptor A6
Epha7	NM_001122889.1	Hek11, Mdk1, Ebk, MDK1	Eph receptor A7
Epo	NM_007942.2		erythropoietin
ErbB3	NM_010153.1	ErbB-3, HER3, Erbb3r	erb-b2 receptor tyrosine kinase 3
Erg	NM_133659.2	D030036I24Rik	avian erythroblastosis virus E-26 (v-ets) or
Erlec1	NM_025745.3	4933407N01Rik	endoplasmic reticulum lectin 1
Esam	NM_027102.3	2310008D05Rik, W117m	endothelial cell-specific adhesion molecu

F2	NM_010168.2	Cf-2, thrombin, prothrombin	coagulation factor II
Fa2h	NM_178086.3	G630055L08Rik, Faxdc1	fatty acid 2-hydroxylase
Fam126a	XM_006535824.2		family with sequence similarity 126, member 1
Fas	NM_007987.2	Tnfrsf6, APO-1, TNFR6, (Fas (TNF receptor superfamily member 6)	
FasL	NM_010177.3	APT1LG1, Fas-L, CD95L,	Fas ligand (TNF superfamily, member 6)
Fcrls	NM_030707.3	Msr2, IFGP2, 2810439C1	Fc receptor-like S, scavenger receptor
Fgf12	NM_001276419.1	Fhf1	fibroblast growth factor 12
Fgf14	NM_207667.3	Fhf4	fibroblast growth factor 14
Fgf2	NM_008006.2	Fgf-2, Fgfb, bFGF	fibroblast growth factor 2
Flt1	NM_010228.3	VEGFR1, vascular endothelial	FMS-like tyrosine kinase 1
Flt4	NM_008029.3	VEGFR3, VEGFR-3, Flt-4	FMS-like tyrosine kinase 4
Fmr1	NM_008031.2	Fmr-1, FMRP	fragile X mental retardation syndrome 1
Fn1	NM_010233.1	Fn, Fn-1	fibronectin 1
Fos	NM_010234.2	cFos, c-fos, D12Rfj1	FBJ osteosarcoma oncogene
Frmpd4	NM_001033330.2	Preso1, Pdzd10, LOC237	FERM and PDZ domain containing 4
Fus	NM_139149.2	pigpen, D930039C12Rik,	fused in sarcoma
Fxn	NM_008044.2	Frda	frataxin
Fyn	NM_008054.2	Src Kinase p59	Fyn proto-oncogene
Gaa	NM_008064.3	E430018M07Rik	glucosidase, alpha, acid
Gabra1	NM_010250.4	Gabra-1, GABAA alpha 1	gamma-aminobutyric acid (GABA) A receptor subunit alpha 1
Gabra4	NM_010251.2	Gabra-4	gamma-aminobutyric acid (GABA) A receptor subunit alpha 4
Gabrb2	NM_008070.3	C030021G16Rik, C03000	gamma-aminobutyric acid (GABA) A receptor subunit beta 2
Gabrb3	NM_008071.3	A230092K12Rik, beta3, (gamma-aminobutyric acid (GABA) A receptor subunit beta 3
Gabrg2	NM_177408.5	GABAA-R, Gabrg-2, gamma	gamma-aminobutyric acid (GABA) A receptor subunit gamma 2
Gabrp	NM_146017.3		gamma-aminobutyric acid (GABA) A receptor subunit rho
Gabrr1	NM_008075.2	GABA-C	gamma-aminobutyric acid (GABA) C receptor subunit 1
Gabrr3	NM_001081190.1		gamma-aminobutyric acid (GABA) C receptor subunit 3
Gad1	NM_008077.4	GAD25, GAD67, Gad-1, Z	glutamate decarboxylase 1
Gad2	NM_008078.2	6330404F12Rik, GAD65,	glutamic acid decarboxylase 2
Gal3st1	NM_001177691.1	Cst, Gcst, 3'-phosphoadenyl	galactose-3-O-sulfotransferase 1
Galc	NM_008079.3	2310068B06Rik, A930008	galactosylceramidase
Gata2	NM_008090.4	Gata-2	GATA binding protein 2
Gba	NM_001077411.1	GC, glucocerebrosidase,	glucosidase, beta, acid
Gdnf	NM_010275.2	glial cell line-derived neurotrophic factor	glial cell line derived neurotrophic factor
Gdpd2	NM_023608.3	GDE3, 9130017L10Rik	glycerophosphodiester phosphodiesterase 2
Gfap	NM_001131020.1		glial fibrillary acidic protein
Gfpt1	NM_013528.3	2810423A18Rik, GFAT1, (glutamine fructose-6-phosphate transaminase 1
Gga1	NM_145929.2	4930406E12Rik	golgi associated, gamma adaptin ear containing domain containing protein 1
Ggt1	NM_008116.2	GGT, Ggtp, CD224, dwg	gamma-glutamyltransferase 1
Gjb1	NM_008124.2	Cx32, connexin 32, connexin	gap junction protein, beta 1
Glr1	NM_010298.5		glycine receptor, beta subunit
Gls	NM_001113383.1	B230365M23Rik	glutaminase
Gnai1	NM_010305.1	Gialpha1	guanine nucleotide binding protein (G protein) alpha 1
Gnai2	NM_008138.4	Gnai-2, Galphai2, Gia	guanine nucleotide binding protein (G protein) alpha 2
Gnai3	NM_010306.2	Galphai3	guanine nucleotide binding protein (G protein) alpha 3
Gnao1	NM_010308.3	Go alpha, Galphao, alpha	guanine nucleotide binding protein, alpha
Gnaq	NM_008139.5	Dsk1, Galphaq, G alpha	guanine nucleotide binding protein, alpha
Gnb5	NM_138719.5	Gbeta5, G beta 5	guanine nucleotide binding protein (G protein) beta 5
Gng2	NM_010315.4	1110003P13Rik	guanine nucleotide binding protein (G protein) gamma 2
Gngt1	NM_010314.2	Gng1, G(y)1	guanine nucleotide binding protein (G protein) gamma 1

Gnptab	NM_001004164.2	EG432486	N-acetylglucosamine-1-phosphate transfer
Gnptg	NM_172529.3		N-acetylglucosamine-1-phosphotransferas
Gpd1l	NM_175380.5	D9Ertdd660e, 2210409H2	glycerol-3-phosphate dehydrogenase 1-lik
Gpr37	NM_010338.2	Pael-R, parkin-associate	G protein-coupled receptor 37
Gpr4	NM_175668.4		G protein-coupled receptor 4
Gpr84	NM_030720.1	EX33	G protein-coupled receptor 84
Gprasp1	NM_001004359.2	GASP1, 2210415K24Rik,	G protein-coupled receptor associated sor
Gria1	NM_001252403.1	HIPAA1, Glr1, Glr-1, Glur-	glutamate receptor, ionotropic, AMPA1 (al
Gria2	NM_001039195.1	GluR2, Glur2, GluR-B, G	glutamate receptor, ionotropic, AMPA2 (al
Gria3	NM_016886.3	Glur3, 2900064I19Rik, G	glutamate receptor, ionotropic, AMPA3 (al
Gria4	NM_001113180.1	spkw1, Gluralpha4, Glur	glutamate receptor, ionotropic, AMPA4 (al
Grik2	NM_010349.2	Glurbeta2, Glur6, Glur-6	glutamate receptor, ionotropic, kainate 2
Grin1	NM_008169.2	NR1, M100174, Rgsc174,	glutamate receptor, ionotropic, NMDA1 (z
Grin2a	NM_008170.2	GluRepsilon1, GluN2A, N	glutamate receptor, ionotropic, NMDA2A (
Grin2b	NM_008171.3	GluRepsilon2, Nmdar2b,	glutamate receptor, ionotropic, NMDA2B (
Grin2c	NM_010350.2	GluRepsilon3, NR2C, NM	glutamate receptor, ionotropic, NMDA2C (
Grin2d	NM_008172.2	GluRepsilon4, NR2D, NM	glutamate receptor, ionotropic, NMDA2D (
Grin3b	NM_130455.2	NR3B	glutamate receptor, ionotropic, NMDA3B
Grm1	NM_001114333.2	Grm1, mGluR1, Gprc1a,	glutamate receptor, metabotropic 1
Grm2	NM_001160353.1	Gprc1b, 4930441L02Rik,	glutamate receptor, metabotropic 2
Grm5	NM_001143834.1	mGluR5, Gprc1e, 643054	glutamate receptor, metabotropic 5
Grm8	NM_008174.2	mGluR8, Gprc1h	glutamate receptor, metabotropic 8
Grn	NM_008175.3	Pgrn, acrogranulin, epitl	granulin
Gsk3b	NM_019827.3	GSK-3, 7330414F15Rik, ε	glycogen synthase kinase 3 beta
Gsn	NM_146120.3		gelsolin
Gsr	NM_010344.4	D8Ertdd238e, Gr1, Gr-1	glutathione reductase
Gss	NM_008180.1	GS-A/GS-B	glutathione synthetase
Gstp1	NM_013541.1	GstpiB, Gst p-1	glutathione S-transferase, pi 1
Gtf2a1	NM_175335.3	Tfiiia1, 19kDa, 37kDa, Tf	general transcription factor II A, 1
Gtf2b	NM_145546.1		general transcription factor IIB
Gtf2h1	NM_008186.4	62kDa, p62	general transcription factor II H, polypept
Gtf2h3	NM_181410.3	BTF2, D5Ertdd679e, 34kD	general transcription factor IIH, polypepti
Gtf2ird1	NM_001081464.1	MusTRD1, c-myc line 16c	general transcription factor II I repeat dor
Gucy1b3	NM_017469.4	beta 1 sGC	guanylate cyclase 1, soluble, beta 3
Gusb	NM_010368.1	Gut, Gus-s, asd, g, adipc	glucuronidase, beta
H2-Ea-ps	NM_010381.2	H-2Ea, I-Ealpha, Ia-3, Ia	histocompatibility 2, class II antigen E alp
Hap1	NM_010404.3	HAP-1	huntingtin-associated protein 1
Hc	NM_010406.1	C5a, He, C5	hemolytic complement
Hcn1	NM_010408.3	HAC2, Bcng1, C630013B	hyperpolarization-activated, cyclic nucleoc
Hdac1	NM_008228.2	MommeD5, RPD3, HD1	histone deacetylase 1
Hdac2	NM_008229.2	Yy1bp, D10Wsu179e	histone deacetylase 2
Hdac6	NM_010413.3	mHDA2, Sfc6	histone deacetylase 6
Hdac7	NM_019572.2	5830434K02Rik, Hdac7a	histone deacetylase 7
Hexb	NM_010422.2		hexosaminidase B
Hgf	NM_010427.5	SF/HGF, NK2, NK1, scatt	hepatocyte growth factor
Hif1a	NM_010431.2	HIF1alpha, MOP1, bHLHc	hypoxia inducible factor 1, alpha subunit
Hmgb1	NM_010439.3	amphoterin, HMG-1, p3C	high mobility group box 1
Hmox1	NM_010442.2	heme oxygenase 1, Hsp3	heme oxygenase 1
Hnrnpm	NM_001109913.1	Hnrpm, 2610023M21Rik	heterogeneous nuclear ribonucleoprotein
Homer1	NM_147176.2	Ves-1, PSD-Zip45	homer scaffolding protein 1

Hpgds	NM_019455.4	H-PGDS, Ptgds2	hematopoietic prostaglandin D synthase
Hras	NM_001130443.1	H-ras, c-H-ras, Harvey-r	Harvey rat sarcoma virus oncogene
Hspb1	NM_013560.2	Hsp25	heat shock protein 1
Htr1a	NM_008308.4	Gpcr18, 5-HT1A recepto	5-hydroxytryptamine (serotonin) receptor
Htr5a	NM_008314.2	Htr5	5-hydroxytryptamine (serotonin) receptor
Htra2	NM_019752.3	OMI, mnd2, HtrA2, Prss2	HtrA serine peptidase 2
Htt	NM_010414.1	huntingtin, IT15, Hdh, C	huntingtin
Icam1	NM_010493.2	MALA-2, Icam-1, CD54, L	intercellular adhesion molecule 1
Icam2	NM_010494.1	Icam-2, CD102	intercellular adhesion molecule 2
Ide	NM_031156.2	1300012G03Rik, 4833415	insulin degrading enzyme
Idh1	NM_010497.2	E030024J03Rik, IDPc, Id	isocitrate dehydrogenase 1 (NADP+), solub
Igf1	NM_010512.4	Igf-1, C730016P09Rik, Ig	insulin-like growth factor 1
Igf1r	NM_010513.2	IGF-1R, CD221, line 186,	insulin-like growth factor I receptor
Ikbkb	NM_010546.2	IKK-2, IKK2, IKK-beta, IK	inhibitor of kappaB kinase beta
Il10	NM_010548.1	cytokine synthesis inhibi	interleukin 10
Il10ra	NM_008348.2	mIL-10R, CDw210, Il10r	interleukin 10 receptor, alpha
Il13ra1	NM_133990.4	CD213a1	interleukin 13 receptor, alpha 1
Il15ra	NM_008358.2		interleukin 15 receptor, alpha chain
Il1b	NM_008361.3	IL-1beta, IL-1B	interleukin 1 beta
Il1r1	NM_001123382.1	IL-1 receptor alpha chain	interleukin 1 receptor, type I
Il4ra	NM_001008700.3	Il4r, CD124, IL-4 recepto	interleukin 4 receptor, alpha
Il6	NM_031168.1	Il-6	interleukin 6
Il6ra	NM_010559.2	IL-6R, Il6r, IL-6 receptor	interleukin 6 receptor, alpha
Ina	NM_146100.4	NF66, NF-66	internexin neuronal intermediate filament
Inhbb	NM_008381.3	activin beta-B	inhibin beta-B
Inpp4a	NM_172971.2	107kDa	inositol polyphosphate-4-phosphatase, typ
Inpp5f	NM_178641.5	5830435P03Rik, SAC2, cl	inositol polyphosphate-5-phosphatase F
Ins2	NM_008387.3	Ins-2, InsII, Mody4, Mody	insulin II
Insr	NM_010568.2	CD220, IR-B, IR-A, D6300	insulin receptor
Ipcef1	NM_001033391.2	A130090K04Rik	interaction protein for cytohesin exchange
Irf8	NM_008320.3	Myls, Icsbp1, IRF-8, ICSB	interferon regulatory factor 8
Islr2	NM_001161538.1	Linx, B930052A04Rik, ml	immunoglobulin superfamily containing le
Itga5	NM_001314041.1	Fnra, Cd49e	integrin alpha 5 (fibronectin receptor alph
Itga7	NM_008398.2	alpha7, [a]7	integrin alpha 7
Itgal	NM_008400.2	LFA-1, Ly-21, Ly-15, Cd1	integrin alpha L
Itgam	NM_008401.2	CR3, Mac-1a, Cd11b, cor	integrin alpha M
Itgax	NM_021334.2	CD11C (p150) alpha pol	integrin alpha X
Itpr1	NM_010585.2	Ip3r, P400, opt, Itpr-1, P	inositol 1,4,5-trisphosphate receptor 1
Itpr2	NM_010586.1	Itpr5, Ip3r2	inositol 1,4,5-trisphosphate receptor 2
Itpr3	NM_080553.3	tf, Itpr-3, Ip3r3	inositol 1,4,5-trisphosphate receptor 3
Jam3	NM_023277.4	JAM-C, 1110002N23Rik,	junction adhesion molecule 3
Jun	NM_010591.2	Junc, c-jun	jun proto-oncogene
Katna1	NM_011835.2		katanin p60 (ATPase-containing) subunit A
Kcna1	NM_010595.3	Mk-1, mouse brain potas	potassium voltage-gated channel, shaker-
Kcnb1	NM_008420.3	Shab, Kcr1-1, Kv2.1	potassium voltage gated channel, Shab-re
Kcnj10	NM_001039484.1	Kir4.1, Kir1.2, BIRK-1, Bl	potassium inwardly-rectifying channel, su
Keap1	NM_016679.4	ring canal protein, INrf2	kelch-like ECH-associated protein 1
Kel	NM_032540.3	CD238	Kell blood group
Kif3a	NM_008443.3	kinesin-II subunit, Kif3, I	kinesin family member 3A
Klk6	NM_001164696.1	Bssp, Klk29, Prss9, Prss1	kallikrein related-peptidase 6

Kras	NM_021284.5	Kras-2, Kras2, Ki-ras, K-	Kirsten rat sarcoma viral oncogene homolog
L1cam	NM_008478.3	L1, CD171, NCAM-L1, L1	L1 cell adhesion molecule
Lama2	NM_008481.2	mer, merosin	laminin, alpha 2
Lamb2	NM_008483.3	npht, Lamb-2, Lams	laminin, beta 2
Lamp1	NM_010684.2	Lamp-1, CD107a	lysosomal-associated membrane protein 1
Lclat1	NM_001177967.1	AGPAT8, Lycat, ALCAT1	lysocardiolipin acyltransferase 1
Ldhc	NM_013580.4	Ldhc4, Ldh-3, Ldh3	lactate dehydrogenase C
Lif	NM_008501.2		leukemia inhibitory factor
Lmna	NM_001002011.2	lamin A/C, Dhe	lamin A
Lox	NM_010728.2	TSC-160, ras recision ge	lysyl oxidase
Lpar1	NM_010336.2	Kdt2, Gpcr26, Edg2, vzg	lysophosphatidic acid receptor 1
Lpo	NM_080420.2	5830499B15Rik	lactoperoxidase
Lrp1	NM_008512.2	CD91, A2mr, b2b1554Clo	low density lipoprotein receptor-related p
Lrrc25	NM_153074.3	Mapa	leucine rich repeat containing 25
Lrrc4	NM_138682.2	NGL-2, Nag14, NLG-2	leucine rich repeat containing 4
Lrrk2	NM_025730.3	9330188B09Rik, 4921513	leucine-rich repeat kinase 2
Lsm2	NM_001110101.2	Sm-X5, snRNP, D17H6S56	LSM2 homolog, U6 small nuclear RNA and
Lsm7	NM_025349.2	1110033F18Rik, 0910001	LSM7 homolog, U6 small nuclear RNA and
Lsr	NM_001164184.1	Lisch7, ILDR3	lipolysis stimulated lipoprotein receptor
Ltbr	NM_010736.3	TNFCR, LT beta-R, TNF-F	lymphotoxin B receptor
Lypla1	XM_006495472.2	Pla1a	lysophospholipase 1
Mag	NM_010758.2	siglec-4a, Gma	myelin-associated glycoprotein
Magee1	NM_053201.3	DAMAGE, mMage-e1	melanoma antigen, family E, 1
Mal	NM_001171187.1	VIP17	myelin and lymphocyte protein, T cell diff
Man2b1	NM_010764.2	lysosomal alpha-mannos	mannosidase 2, alpha B1
Map2	NM_008632.2	MAP-2, Mtap2, G1-397-3	microtubule-associated protein 2
Map2k1	NM_008927.3	Mek1, Prkmk1, MAP kina	mitogen-activated protein kinase kinase 1
Map2k2	NM_023138.4	Prkmk2, MAP kinase/Erk	mitogen-activated protein kinase kinase 2
Mapk1	NM_011949.3	9030612K14Rik, MAPK2,	mitogen-activated protein kinase 1
Mapk10	NM_001081567.1	p493F12, JNK3, Serk2, C	mitogen-activated protein kinase 10
Mapk3	NM_011952.2	Erk1, p44 MAP kinase, M	mitogen-activated protein kinase 3
Mapk8	NM_016700.3	JNK1, Prkm8, c-Jun N-te	mitogen-activated protein kinase 8
Mapk9	NM_207692.1	JNK/SAPK alpha, JNK2, l	mitogen-activated protein kinase 9
Mapkapk2	NM_008551.1	Rps6kc1, MAPKAP kinase	MAP kinase-activated protein kinase 2
Mapt	NM_001038609.2	Tau, Mtap	microtubule-associated protein tau
Marco	NM_010766.2	Scara2	macrophage receptor with collagenous str
Mbp	NM_010777.3	Hmbpr, golli-mbp	myelin basic protein
Meaf6	NM_027310.3	2810036M01Rik, 2310005	MYST/Esa1-associated factor 6
Mecp2	NM_010788.2	1500041B07Rik, D630021	methyl CpG binding protein 2
Mfn2	XM_006535920.1	D630023P19Rik, Fzo, hyp	mitofusin 2
Mgmt	NM_008598.2	Agat, AGT	O-6-methylguanine-DNA methyltransferase
Mmp12	NM_008605.3	Mmel, macrophage elast	matrix metalloproteinase 12
Mmp14	NM_008608.3	MT1-MMP, sabe, Membra	matrix metalloproteinase 14 (membrane-in
Mmp16	NM_019724.3	Membrane type 3-MMP, M	matrix metalloproteinase 16
Mmp19	NM_021412.2		matrix metalloproteinase 19
Mmp2	NM_008610.2	Clg4a, 72kDa type IV col	matrix metalloproteinase 2
Mmp24	NM_010808.3	Membrane type 5-MMP, M	matrix metalloproteinase 24
Mmp9	NM_013599.2	B/MMP9, MMP-9, Gel B,	matrix metalloproteinase 9
Mmrn2	NM_153127.3	ENDOGLYX1, Emilin3, En	multimerin 2
Mnat1	NM_008612.2	MAT1, E130115E11Rik	menage a trois 1

Mog	NM_010814.2	B230317G11Rik	myelin oligodendrocyte glycoprotein
Mpz	NM_008623.4	Mpp, P0	myelin protein zero
Msn	NM_010833.2		moesin
Mta1	NM_054081.2		metastasis associated 1
Mta2	NM_011842.3	Mta1l1, mmta2	metastasis-associated gene family, membe
Mthfr	NR_027809.1		5,10-methylenetetrahydrofolate reductase
Mtor	NM_020009.2	RAPT1, RAFT1, Frap1, 2	mechanistic target of rapamycin (serine/thr
Mutyh	NM_001159581.1	Mutyhalpha, Mutyha, Mu	mutY homolog (E. coli)
Myc	NM_010849.4	Myc2, Nird, c-myc, bHLH	myelocytomatosis oncogene
Myct1	NM_026793.2	MT-MC1, Mtmc1, 111002	myc target 1
Myd88	NM_010851.2		myeloid differentiation primary response
Myh10	NM_175260.2	Myhn2, 5730504C04Rik,	myosin, heavy polypeptide 10, non-muscle
Myrf	NM_001033481.1	Gm98, LOC386531, LOC2	myelin regulatory factor
Naglu	NM_013792.2		alpha-N-acetylglucosaminidase (Sanfilippo
Napsa	NM_008437.1	NAP1, pronapsin, napsin	napsin A aspartic peptidase
Ncam1	NM_001113204.1	E-NCAM, NCAM-1, NCAM	neural cell adhesion molecule 1
Ncf1	NM_001286037.1	p47<phox>, p47phox, NC	neutrophil cytosolic factor 1
Ncl	NM_010880.3	B530004O11Rik, C23	nucleolin
Nefh	NM_010904.3	NEFH, NF-H, NF200	neurofilament, heavy polypeptide
Nefl	NM_010910.1	Nfl, CMT2E, NF68, NF-L	neurofilament, light polypeptide
Negr1	NM_001039094.2	Ntra, 5330422G01Rik	neuronal growth regulator 1
Nelfa	NM_011914.2	Whsc2, Nelf-A, Whsc2h	negative elongation factor complex membe
Nell2	NM_016743.2	A330108N19Rik, mel91	NEL-like 2
Neo1	NM_001042752.1	D930014N22Rik, 261002	neogenin
Nes	NM_016701.3	ESTM46	nestin
Nf1	NM_010897.2	Dsk9, neurofibromin, Mh	neurofibromatosis 1
Nfe2l2	NR_132727.1	Nrf2	nuclear factor, erythroid derived 2, like 2
Nfkbia	NM_010907.2	Nfkb1, I(Kappa)B(alpha),	nuclear factor of kappa light polypeptide
Nfkbib	NM_010908.4	IkB, IKappaBbeta	nuclear factor of kappa light polypeptide
Ngf	NM_001112698.1	Ngfb	nerve growth factor
Ngfr	NM_033217.3	LNGFR, p75NGFR, p75, T	nerve growth factor receptor (TNFR super
Ninj2	NM_016718.2		ninjurin 2
Nkx6-2	NM_183248.3	Gtx, Nkx6.2	NK6 homeobox 2
Nlrp3	NM_145827.3	cryopyrin, Pypaf1, Mmig	NLR family, pyrin domain containing 3
Nmb	NM_026523.2	3110023K12Rik	neuromedin B
Nme5	NM_080637.3	non-metastatic cells 5, p	NME/NM23 family member 5
Nmnat2	NM_175460.3	D030041I09Rik, PNAT1	nicotinamide nucleotide adenyltransferase
Nol3	NM_030152.4	ARC, B430311C09Rik, No	nucleolar protein 3 (apoptosis repressor w
Nos1	NM_008712.2	Nos-1, NO, nNOS, bNOS,	nitric oxide synthase 1, neuronal
Nos2	NM_010927.3	NOS-II, iNOS, Nos-2, Nos	nitric oxide synthase 2, inducible
Nos3	NM_008713.4	2310065A03Rik, eNOS, N	nitric oxide synthase 3, endothelial cell
Nostrin	NM_181547.3	mDaIP2	nitric oxide synthase trafficker
Notch1	NM_008714.2	Mis6, lin-12, 9930111A1	notch 1
Notch3	NM_008716.2	N3, hpbk	notch 3
Notch4	NM_010929.2	Int3, Int-3, N4	notch 4
Nova1	NM_021361.1	9430099M15Rik, Nova-1	neuro-oncological ventral antigen 1
Npas4	NM_153553.4	LE-PAS, Nxf, Npas4	neuronal PAS domain protein 4
Npc1	NM_008720.2	C85354, lcsd, nmf164, D	Niemann-Pick type C1
Npc2	NM_023409.4	HE1, 2700012J19Rik	Niemann-Pick type C2
Nptn	NM_009145.2	Sdfr1	neuroplastin

Npy	NM_023456.2	0710005A05Rik	neuropeptide Y
Nqo1	NM_008706.5	Nmor1, NMO1, Dia4, Ox1	NAD(P)H dehydrogenase, quinone 1
Nr4a2	NM_001139509.1	Nurr1, HZF-3, RNR-1	nuclear receptor subfamily 4, group A, member 2
Nrg1	NM_178591.2	Hgl, GGFII, NDF, 6030402	neuregulin 1
Nrxn1	NM_001346960.1	A230068P09Rik, neurexin	neurexin I
Nsf	NM_008740.2	SKD2, N-ethylmaleimide	N-ethylmaleimide sensitive fusion protein
Ntf3	NM_008742.2	NT3, Ntf-3, NT-3	neurotrophin 3
Ntng1	NM_001163351.1	A930010C08Rik, Lmnt1	netrin G1
Ntrk1	NM_001033124.1	Tkr, TrkA	neurotrophic tyrosine kinase, receptor, type 1
Nts	NM_024435.2	5033428E16Rik, NT/N, n	neurotensin
Nwd1	NM_176940.5	A230063L24Rik	NACHT and WD repeat domain containing protein 1
Olfm3	NM_153157.3	optimedin, B230206G02f	olfactomedin 3
Olig2	NM_016967.2	Olg-2, bHLHe19, BhIhb1,	oligodendrocyte transcription factor 2
Opa1	NM_001199177.1	lilr3, 1200011N24Rik	optic atrophy 1
Optn	NM_181848.4	TFIIIA-INTP, 4930441007	optineurin
Osmr	NM_011019.3	OSMRB	oncostatin M receptor
Oxr1	NM_001130163.1	2210416C20Rik, C7B, C7	oxidation resistance 1
P2rx4	NM_011026.2	D5Ert444e, P2X4	purinergic receptor P2X, ligand-gated ion channel subunit 4
P2rx7	NM_001038839.2	P2X7R, P2X7 receptor, P	purinergic receptor P2X, ligand-gated ion channel subunit 7
P2ry12	NM_027571.3	4921504D23Rik, 2900079	purinergic receptor P2Y, G-protein coupled receptor 12
Pah	NM_008777.3		phenylalanine hydroxylase
Pak1	NM_011035.2	PAK-1, Paka	p21 protein (Cdc42/Rac)-activated kinase
Palm	NM_023128.4		paralemmin
Park2	NM_016694.3	PRKN	Parkinson disease (autosomal recessive, juvenile onset)
Park7	NM_020569.3	DJ-1	Parkinson disease (autosomal recessive, early onset)
Parp1	NM_007415.2	5830444G22Rik, PARP, Ac	poly (ADP-ribose) polymerase family, member 1
Pcna	NM_011045.2		proliferating cell nuclear antigen
Pcsk2	NM_008792.3	Nec2, PC2, prohormone	proprotein convertase subtilisin/kexin type 2
Pde1b	NM_008800.1		phosphodiesterase 1B, Ca2+-calmodulin dependent
Pde4d	NM_011056.3	9630011N22Rik, dunce, l	phosphodiesterase 4D, cAMP specific
Pdgfrb	NM_008809.1	CD140b, Pdgfr	platelet derived growth factor receptor, beta
Pdpk1	NM_001080773.2	Pdk1, Pkb kinase	3-phosphoinositide dependent protein kinase-1
Pecam1	NM_008816.2	PECAM-1, Cd31	platelet/endothelial cell adhesion molecule-1
Pfn1	NM_011072.4	Pfn, actin binding protei	profilin 1
Pgam1	NM_023418.2	2310050F24Rik, Pgam-1	phosphoglycerate mutase 1
Pgk1	NM_008828.2	Pgk-1	phosphoglycerate kinase 1
Phf19	NM_028716.4	3110009G19Rik, 3321402	PHD finger protein 19
Phf2	NM_011078.2		PHD finger protein 2
Phf21a	NM_001109690.1	Braf35/HDAC complex (E	PHD finger protein 21A
Pik3ca	NM_008839.1	6330412C24Rik, caPI3K,	phosphatidylinositol 3-kinase, catalytic, alpha
Pik3cb	NM_029094.3	1110001J02Rik, p110bet	phosphatidylinositol 3-kinase, catalytic, beta
Pik3r1	NM_001024955.1	p50alpha, p55alpha, p85	phosphatidylinositol 3-kinase, regulatory subunit 1
Pink1	NM_026880.2	brpk, 1190006F07Rik	PTEN induced putative kinase 1
Pkn1	NM_001199593.1	Pkn, PAK1, PRK1, Prkcl1,	protein kinase N1
Pla2g16	NM_139269.2	Hrasls3	phospholipase A2, group XVI
Pla2g2a	NM_001082531.1	modifier of Min1, EF, Enl	phospholipase A2, group IIA (platelets, synovial)
Pla2g2e	NM_012044.2	mGIIesPLA2s	phospholipase A2, group IIE
Pla2g2f	NM_012045.4	mGIIFsPLA2s	phospholipase A2, group IIF
Pla2g4a	NM_008869.2	cytosolic phospholipase	phospholipase A2, group IVA (cytosolic, calcium dependent)
Pla2g4b	XM_925095.2	A030011C02Rik	phospholipase A2, group IVB (cytosolic)

Pla2g4c	NM_001168504.1	CPLA2-gamma	phospholipase A2, group IVC (cytosolic, ca
Pla2g4d	NM_001024137.1	2610311B01Rik, Pla2delt	phospholipase A2, group IVD
Pla2g4e	NM_177845.4	2310026J01Rik, Pla2epsi	phospholipase A2, group IVE
Pla2g4f	NM_001024145.2	Pla2zeta, 4732472I07Rik	phospholipase A2, group IVF
Pla2g6	NM_001199023.1	iPLA2, iPLA2beta	phospholipase A2, group VI
Plcb1	NM_019677.1	3110043I21Rik	phospholipase C, beta 1
Plcb2	NM_177568.2	B230205M18Rik	phospholipase C, beta 2
Plcb3	NM_008874.3		phospholipase C, beta 3
Plcb4	NM_013829.2	C230058B11Rik, A930039	phospholipase C, beta 4
Plcl2	NM_013880.3	Plce2, PRIP-2	phospholipase C-like 2
Plekho2	NM_153119.2	Plekhq1	pleckstrin homology domain containing, fa
Plip	NM_026385.3	0610010I06Rik, Tm4sf11	plasma membrane proteolipid
Pls1	NM_001033210.3	I-fimbrin	plastin 1 (I-isoform)
Plxnb3	NM_019587.2	Plxn6	plexin B3
Plxnc1	NM_018797.2	CD232, vespr, 2510048K1	plexin C1
Pmp22	NM_008885.2	Gas-3	peripheral myelin protein 22
Pnkd	NM_019999.2	Brp17, 2810403H05Rik, 2	paroxysmal nonkinesigenic dyskinesia
Polr2b	NM_153798.2	RPB2	polymerase (RNA) II (DNA directed) polype
Polr2h	NM_145632.2		polymerase (RNA) II (DNA directed) polype
Polr2j	NM_011293.2	Rpo2-4, Rpb11a, 14.5kDa	polymerase (RNA) II (DNA directed) polype
Polr2k	NM_001039368.1	Mt1a, MafY, ABC10-alpha	polymerase (RNA) II (DNA directed) polype
Polr2l	NM_025593.1	2510029B14Rik	polymerase (RNA) II (DNA directed) polype
Ppargc1a	NM_008904.2	Gm11133, A830037N07R	peroxisome proliferative activated recept
Ppm1l	NM_178726.3	5930404J21Rik, PP2C-ep	protein phosphatase 1 (formerly 2C)-like
Ppp2ca	NM_019411.4	PP2A	protein phosphatase 2 (formerly 2A), cata
Ppp2r5c	NM_001135001.1	2610043M05Rik, 2700063	protein phosphatase 2, regulatory subunit
Ppp2r5e	NM_012024.2	protein phosphatase 2A	protein phosphatase 2, regulatory subunit
Ppp3ca	NM_008913.4	PP2BA alpha, PP2B alpha	protein phosphatase 3, catalytic subunit,
Ppp3cb	NM_008914.1	Cnab, PP2BA beta, 11100	protein phosphatase 3, catalytic subunit,
Ppp3cc	NM_008915.2	Calnc, PP2BA gamma	protein phosphatase 3, catalytic subunit,
Ppt1	NM_008917.3	D4Ert184e, 9530043G01	palmitoyl-protein thioesterase 1
Pqbp1	NM_001252528.1	Sfc2	polyglutamine binding protein 1
Prf1	NM_011073.2	Pfp, perforin, Prf-1, Pfn	perforin 1 (pore forming protein)
Prkaa2	NM_178143.1	AMPKalpha2, 2310008I11	protein kinase, AMP-activated, alpha 2 ca
Prkaca	NM_008854.3	C alpha, Cs, PKA, Pkaca	protein kinase, cAMP dependent, catalytic
Prkacb	NM_011100.3	Pkacb, cAMP-dependent	protein kinase, cAMP dependent, catalytic
Prkca	NM_011101.3	Pkca	protein kinase C, alpha
Prkcb	NM_008855.2	A130082F03Rik, PKC-Bet	protein kinase C, beta
Prkce	NM_011104.2	PKCepsilon, Pkce, 58304	protein kinase C, epsilon
Prkcg	NM_011102.3	Pkcc, PKCgamma, Prkcc	protein kinase C, gamma
Prkcq	NM_008859.2	PKC-theta, PKC-0, A1300	protein kinase C, theta
Prkcsh	NM_008925.1	hepatocystin, 80K-H	protein kinase C substrate 80K-H
Prl	NM_011164.1	Prl, Prl1a1	prolactin
Prnp	NM_011170.2	PrPC, PrPSc, CD230, Prn	prion protein
Prpf3	NM_027541.4	3632413F13Rik	pre-mRNA processing factor 3
Prpf31	NM_001159714.1	2810404O06Rik, 1500019	pre-mRNA processing factor 31
Psen1	NM_008943.2	PS-1, Ad3h, PS1, presen	presenilin 1
Psen2	NM_001128605.1	PS2, ALG-3, PS-2, Ad4h	presenilin 2
Psmb8	NM_010724.2	Lmp7, Lmp-7	proteasome (prosome, macropain) subunit
Psmb9	NM_013585.2	Lmp2, Lmp-2	proteasome (prosome, macropain) subunit

Ptdss1	NM_008959.3	PSS-1, PtdSer Synthase-1	phosphatidylserine synthase 1
Ptdss2	NM_013782.4	PSS2	phosphatidylserine synthase 2
Pten	NM_008960.2	A130070J02Rik, TEP1, B	phosphatase and tensin homolog
Ptgs2	NM_011198.3	COX2, cyclooxygenase-2	prostaglandin-endoperoxide synthase 2
Ptprn2	NM_011215.2	IA-2 beta, IA-2beta, 493	protein tyrosine phosphatase, receptor ty
Ptpr	NM_011217.2	RPTPRR, PTPBR7, PTP-SI	protein tyrosine phosphatase, receptor ty
Pvalb	NM_013645.3	PV, Pva, Parv	parvalbumin
Rab2a	NM_021518.3	Rab2, 9330148M11Rik	RAB2A, member RAS oncogene family
Rab3a	NM_009001.6		RAB3A, member RAS oncogene family
Rab3c	NM_023852.5	3110037E15Rik, 3110015	RAB3C, member RAS oncogene family
Rac1	NM_009007.2	D5Erttd559e	RAS-related C3 botulinum substrate 1
Rad23b	NM_009011.4	mHR23B, 0610007D13Rik	RAD23b homolog (S. cerevisiae)
Raf1	NM_029780.3	c-Raf, 6430402F14Rik, R	v-raf-leukemia viral oncogene 1
Ran	NM_009391.3		RAN, member RAS oncogene family
Rapgef2	NM_001099624.2	nRapGEP, CNRasGEF, 583	Rap guanine nucleotide exchange factor (G
Rasgrp1	NM_011246.2		RAS guanyl releasing protein 1
Rdx	NM_001104617.1		radixin
Rela	NM_009045.4	p65 NF kappaB, p65	v-rel reticuloendotheliosis viral oncogene
Ret	NM_001080780.1	RET9, c-Ret, RET51	ret proto-oncogene
Rhoa	NM_016802.4	Arha1, Arha, Arha2, Rho	ras homolog gene family, member A
Rims1	NM_053270.1	C030033M19Rik, RIM1, R	regulating synaptic membrane exocytosis
Ring1	NM_009066.3	Ring1A	ring finger protein 1
Rit2	NM_009065.2	Rin, Roc2	Ras-like without CAAX 2
Rras	NM_009101.2		Harvey rat sarcoma oncogene, subgroup R
Rtn4	NM_194053.3	NOGO, NgA, C130026I10	reticulon 4
Ryr1	NM_009109.1	skrr, Ryr, calcium release	ryanodine receptor 1, skeletal muscle
Ryr2	NM_023868.1	9330127I20Rik	ryanodine receptor 2, cardiac
Ryr3	NM_177652.2	calcium release channel	ryanodine receptor 3
S100b	NM_009115.3		S100 protein, beta polypeptide, neural
Sart1	NM_016882.3	U5-110K	squamous cell carcinoma antigen recogniz
Scamp2	NM_022813.3	Sc2	secretory carrier membrane protein 2
Scn1a	NM_018733.2	Nav1.1	sodium channel, voltage-gated, type I, alp
Scn2a1	NM_001099298.3	A230052E19Rik, Nav1.2	sodium channel, voltage-gated, type II, al
Sec23a	NM_009147.2	Sec23r, Msec23	SEC23 homolog A, COPII coat complex con
Serpib6a	NM_001164117.1	Spi3, D330015H01Rik, ov	serine (or cysteine) peptidase inhibitor, cl
Sf3a2	NM_013651.4	PRP11, Sap62, 66kDa, SF	splicing factor 3a, subunit 2
Sf3b2	NM_030109.2	SAP145, SF3b1, 2610311	splicing factor 3b, subunit 2
Sf3b4	NM_153053.3	49kDa, SF3b49, Sap49	splicing factor 3b, subunit 4
Sgpl1	NM_009163.3	D10Xrf456	sphingosine phosphate lyase 1
Sh3tc2	NM_172628.2	D430044G18Rik	SH3 domain and tetratricopeptide repeats
Shank2	NM_001081370.2	ProSAP1	SH3/ankyrin domain gene 2
Shh	NM_009170.3	Hhg1, Hxl3, Hx, M10008	sonic hedgehog
Sirt1	NM_019812.2	Sir2, Sir2alpha	sirtuin 1
Sirt2	NM_022432.4	Sir2l, SIR2L2, 5730427M	sirtuin 2
Sirt7	NM_153056.2		sirtuin 7
Sla	NM_001029841.1	Slap, Slap-1	src-like adaptor
Slc11a1	NM_013612.2	Lsh, Nramp1, Nramp, lty	solute carrier family 11 (proton-coupled d
Slc12a5	NM_020333.2	KCC2	solute carrier family 12, member 5
Slc17a6	NM_080853.3	2900073D12Rik, VGLUT2	solute carrier family 17 (sodium-dependen
Slc18a2	NM_172523.3	Vmat2, 1110037L13Rik	solute carrier family 18 (vesicular monoar

Slc18a3	NM_021712.2	VACHT, VAT	solute carrier family 18 (vesicular monoar
Slc1a1	NM_009199.2	EAAC1, MEAC1, EAAT3,	solute carrier family 1 (neuronal/epithelia
Slc1a2	NM_001077514.3	1700091C19Rik, 2900019	solute carrier family 1 (glial high affinity s
Slc2a1	NM_011400.3	Glut-1, Glut1	solute carrier family 2 (facilitated glucose
Slc32a1	NM_009508.2	Viaat, R75019, VGAT	solute carrier family 32 (GABA vesicular tr
Slc4a10	NM_001242380.1	NCBE	solute carrier family 4, sodium bicarbonat
Slc6a3	NM_010020.3	Dat1, DAT	solute carrier family 6 (neurotransmitter t
Slc6a4	NM_010484.2	Sert, Htt, 5-HTT	solute carrier family 6 (neurotransmitter t
Slc8a1	NM_011406.2	D930008O12Rik, Ncx1	solute carrier family 8 (sodium/calcium ex
Slc9a6	NM_172780.3	6430520C02Rik, NHE6	solute carrier family 9 (sodium/hydrogen
Slu7	NM_148673.3	D3Bwg0878e, D11Ertd73	SLU7 splicing factor homolog (S. cerevisia
Smn1	NM_011420.2	SMN	survival motor neuron 1
Smpd4	NM_001164610.1	neutral membrane (neut	sphingomyelin phosphodiesterase 4
Smyd1	NM_009762.2	Bop, 4632404M21Rik	SET and MYND domain containing 1
Snap91	NM_001277986.1	AP180, 91kDa, F1-20	synaptosomal-associated protein 91
Snca	NM_009221.2	alpha-synuclein, alphaS	ynuclein, alpha
Snaaip	NM_001199151.1	synphilin-1, 4933427B05	ynuclein, alpha interacting protein (synp
Sncb	NM_033610.2	betaSYN	ynuclein, beta
Snrpa	NM_001046637.1	C430021M15Rik, U1A, U	small nuclear ribonucleoprotein polypepti
Sod1	NM_011434.1	lpo1, CuZnSOD, SODC, S	superoxide dismutase 1, soluble
Sod2	NM_013671.3	manganese SOD, mangar	superoxide dismutase 2, mitochondrial
Sorcs3	NM_025696.3	6330404A12Rik	sortilin-related VPS10 domain containing r
Sorl1	NM_011436.3	mSorLA, LR11, 2900010L	sortilin-related receptor, LDLR class A rep
Sox10	XM_128139.6	gt, Sox21	SRY (sex determining region Y)-box 10
Sox9	NM_011448.4	2010306G03Rik	SRY (sex determining region Y)-box 9
Sp1	NM_013672.2	Sp1-1, 1110003E12Rik	trans-acting transcription factor 1
Sp100	NM_013673.3	A430075G10Rik	nuclear antigen Sp100
Spast	NM_016962.2	Spg4	spastin
Spi1	NM_011355.1	Sfpi1, Spi-1, Sfpi-1, Dis	spleen focus forming virus (SFFV) proviral
Sptbn2	NM_021287.1	Spnb3	spectrin beta, non-erythrocytic 2
Sqstm1	NM_011018.2	p62, OSF-6, STAP, Osi, A	sequestosome 1
Src	NM_001025395.2	pp60c-src	Rous sarcoma oncogene
Sri	NM_001080974.2	2900070H08Rik, Sor, 221	sorcin
Srsf4	NM_020587.2	Sfrs4, MNCb-2616, 5730	serine/arginine-rich splicing factor 4
Stab1	NM_138672.2	MS-1	stabilin 1
Stambpl1	NM_029682.4	1700095N21Rik, 8230401	STAM binding protein like 1
Stat1	NM_009283.3	2010005J02Rik	signal transducer and activator of transcri
Stat3	NM_213659.2	Aprf, 1110034C02Rik	signal transducer and activator of transcri
Stx1a	NM_016801.3	HPC-1	syntaxin 1A (brain)
Stx1b	NM_024414.2	Stx1b2	syntaxin 1B
Stx2	NM_007941.2	Epim, Syn-2, G1-536-1, r	syntaxin 2
Sucla2	NM_011506.1	4930547K18Rik	succinate-Coenzyme A ligase, ADP-forming
Synj1	NM_001045515.1	A930006D20Rik	synaptojanin 1
Syt1	NM_009306.2	G630098F17Rik	synaptotagmin I
Syt13	NM_030725.4	5730409J20Rik	synaptotagmin XIII
Syt4	NM_009308.3		synaptotagmin IV
Syt7	NM_018801.3	B230112P13Rik	synaptotagmin VII
Taf10	NM_020024.3	30kDa, Taf2h, TAFII30	TATA-box binding protein associated facto
Taf4	NM_001081092.1	Taf2c1, Taf4a, TAFII130,	TATA-box binding protein associated facto
Taf4b	NM_001100449.1	4932409F03Rik, 105kDa,	TATA-box binding protein associated facto

Taf6l	NM_001177798.1	2810417N14Rik, C530024	TATA-box binding protein associated facto
Taf9	NM_027139.5	2310012M09Rik, Taf2g	TATA-box binding protein associated facto
Tardbp	NM_001003899.2	TDP-43, 1190002A23Rik,	TAR DNA binding protein
Taz	NM_181516.5	5031411C02Rik, 9130012	tafazzin
Tbp	NM_013684.3	Gtf2d	TATA box binding protein
Tbpl1	NM_011603.5	TRF2, Tlp, TRP, TLF	TATA box binding protein-like 1
Tbr1	NM_009322.3		T-box brain gene 1
Tcerg1	NM_001039474.1	Taf2s, ca150, Fbp28, p14	transcription elongation regulator 1 (CA15
Tcirk1	NM_001136091.1	Atp6i, V-ATPase a3, ATP6f	T cell, immune regulator 1, ATPase, H+ tra
Tenm2	NM_011856.3	Odz2, 2610040L17Rik, D.	teneurin transmembrane protein 2
Tfam	NM_009360.4	Hmgt5, tsHMG, mtTFA	transcription factor A, mitochondrial
Tgfb1	NM_011577.1	TGFbeta1, Tgfb, TGF-be	transforming growth factor, beta 1
Tgfr2	NM_009371.2	TbetaR-II, TBR-II, Tbeta	transforming growth factor, beta receptor
Th	NM_009377.1		tyrosine hydroxylase
Thy1	NM_009382.3	T25, Thy-1, CD90, Thy1.	thymus cell antigen 1, theta
Tie1	NM_011587.2	tie-1, D430008P04Rik, Tl	tyrosine kinase with immunoglobulin-like
Tlr2	NM_011905.2	Ly105	toll-like receptor 2
Tlr4	NM_021297.2	RasL2-8, Lps, lipopolysac	toll-like receptor 4
Tmem119	NM_146162.2	obif	transmembrane protein 119
Tnc	NM_011607.1	TN-C, cytotactin, tenasc	tenascin C
Tnf	NM_013693.2	TNFalpha, Tnfa, TNF-alf	tumor necrosis factor
Tnfrsf10b	NM_020275.3	TRICK2A, KILLER, TRAIL-	tumor necrosis factor receptor superfamil
Tnfrsf11b	NM_008764.3	Opg, TR1, OPG, OCIF, os	tumor necrosis factor receptor superfamil
Tnfrsf12a	NM_001161746.1	TWEAK-R, TweakR, Fn14	tumor necrosis factor receptor superfamil
Tnfrsf1a	NM_011609.2	CD120a, TNF receptor al	tumor necrosis factor receptor superfamil
Tnfrsf1b	NM_011610.3	Tnfr2, p75 TNFR, TNF-alf	tumor necrosis factor receptor superfamil
Tnr	NM_022312.3	janusin, TN-R, restrictin	tenascin R
Tor1a	NM_144884.1	DQ2, torsinA, Dyt1, Tor1	torsin family 1, member A (torsin A)
Tpm1	NM_024427.4	alpha-TM, TM2, Tpm-1,	tropomyosin 1, alpha
Tradd	NM_001033161.2	9130005N23Rik	TNFRSF1A-associated via death domain
Trem1	NM_021406.5		triggering receptor expressed on myeloid
Trem2	NM_031254.2	Trem2b, Trem2c, Trem2a	triggering receptor expressed on myeloid
Trf	NM_133977.2	HP, Tfn	transferrin
Trim28	NM_011588.3	MommeD9, KAP-1, KRIP-	tripartite motif-containing 28
Trim37	NM_197987.2	2810004E07Rik, 1110032	tripartite motif-containing 37
Trp53	NM_011640.1	p44, p53	transformation related protein 53
Trpm2	NM_138301.2	Trrp7, LTRPC2, TRPC7, 9	transient receptor potential cation channe
Trpv1	NM_001001445.1	Vr1, VR-1, OTRPC1, caps	transient receptor potential cation channe
Tspo	NM_009775.4	Bzrp, PBR, Tspo1	translocator protein
Twistnb	NM_172253.2	2810024J17Rik, D16Wsu	twist basic helix-loop-helix transcription f
Txnl1	NM_016792.2	32kDa, TRP32	thioredoxin-like 1
U2af2	NM_133671.3		U2 small nuclear ribonucleoprotein auxilia
Ube2k	NM_016786.3	D5Ert601e, Hip2	ubiquitin-conjugating enzyme E2K
Ube2n	NM_080560.3	UBC13	ubiquitin-conjugating enzyme E2N
Ube3a	NM_173010.3	A130086L21Rik, Hpve6a,	ubiquitin protein ligase E3A
Ubqln1	NM_152234.2	XDRP1, Plic-1, D13Ert3	ubiquilin 1
Uchl1	NM_011670.2	PGP9.5, PGP 9.5	ubiquitin carboxy-terminal hydrolase L1
Ugcg	NM_011673.3	GlcT-1, Ugcgl, Epcs21	UDP-glucose ceramide glucosyltransferase
Ugt8a	NM_011674.4	Cgt, Ugt8, mCerGT	UDP galactosyltransferase 8A
Unc13a	NM_001029873.2	2410078G03Rik, Munc13	unc-13 homolog A (C. elegans)

Usp21	NM_013919.4	Usp23, ESTM28, Usp16, \	ubiquitin specific peptidase 21
Usp30	NM_001033202.3	6330590F17Rik, D5Ert4	ubiquitin specific peptidase 30
Vcp	NM_009503.3	CDC48, p97/VCP, AAA AT	valosin containing protein
Vegfa	NM_001025250.3	Vegf, VEGF120, VEGF188	vascular endothelial growth factor A
Vip	NM_011702.2	PHI, peptide histidine is	vasoactive intestinal polypeptide
Wfs1	NM_011716.2	wolframin	Wolfram syndrome 1 homolog (human)
Xab2	NM_026156.2	0610041O14Rik	XPA binding protein 2
Xbp1	NM_013842.2	D11Ert439e, TREB5, TRE	X-box binding protein 1
Xiap	NM_009688.2	Birc4, 1110015C02Rik, I	X-linked inhibitor of apoptosis
Xk	NM_023500.2	Xk, 1810038K19Rik	X-linked Kx blood group
Zfp24	NM_021559.2	KOX17, 5033419P20Rik,	zinc finger protein 24
Aars	NM_146217.4		alanyl-tRNA synthetase
Asb7	NM_080443.2	Asb-7, D030055C23Rik	ankyrin repeat and SOCS box-containing 7
Ccdc127	NM_024201.3	5430420E17Rik, 0610011	coiled-coil domain containing 127
Cnot10	NM_153585.5	2600001P13Rik	CCR4-NOT transcription complex, subunit
Csnk2a2	NM_009974.3	CK2, 1110035J23Rik	casein kinase 2, alpha prime polypeptide
Fam104a	NM_138598.5	D11Wsu99e	family with sequence similarity 104, mem
Lars	NM_134137.2	2310045K21Rik, 3110009	leucyl-tRNA synthetase
Mto1	NM_026658.2	2310039H01Rik, 5730419	mitochondrial tRNA translation optimizati
Supt7l	NM_028150.1	2610524B01Rik, 6030455	suppressor of Ty 7-like
Tada2b	NM_001170454.1	LOC231151	transcriptional adaptor 2B