

Entrez	Symbols	Name	TermID	TermDesc
117553	Uba3,Ube1c	ubiquitin-like modifier activating enzyme 3	GO:0016881	acid-amino acid ligase activity
298576	Mul1,RGD1309944	mitochondrial ubiquitin ligase activator of NFKB 1	GO:0016881	acid-amino acid ligase activity
309331	Uhrf2	ubiquitin-like with PHD and ring finger domains 2	GO:0016881	acid-amino acid ligase activity
316395	Hecw2	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2	GO:0016881	acid-amino acid ligase activity
24848	Tph,Tph1	tryptophan hydroxylase 1	GO:0016597	amino acid binding
25085	Th,The	tyrosine hydroxylase	GO:0016597	amino acid binding
292023	Aars	alanyl-tRNA synthetase	GO:0016597	amino acid binding
29483	EAAT1,GLAST,GluT-1,Slc1a3	solute carrier family 1 (glial high affinity glutamate transporter), member 3	GO:0016597	amino acid binding
24356	Ets-11,Ets1,Etoncb,MGC124638,Tpl1	v-ets erythroblastosis virus E26 oncogene homolog 1 (avian)	GO:0060055	angiogenesis involved in wound healing
24390	B4galt1,Ggtb2	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1	GO:0060055	angiogenesis involved in wound healing
140673	Napa,alpha-SNAP	N-ethylmaleimide-sensitive factor attachment protein, alpha	GO:0045176	apical protein localization
315655	MGC95168,Rdx	radixin	GO:0045176	apical protein localization
24848	Tph,Tph1	tryptophan hydroxylase 1	GO:0009072	aromatic amino acid family metabolic process
25085	Th,The	tyrosine hydroxylase	GO:0009072	aromatic amino acid family metabolic process
65180	Kcnd3,Kv4.2,RK5,Shal1	potassium voltage-gated channel, Shal-related subfamily, member 2	GO:0005250	A-type (transient outward) potassium channel activity
65195	Kcnd3,Kv4.3	potassium voltage-gated channel, Shal-related subfamily, member 3	GO:0005250	A-type (transient outward) potassium channel activity
24588	Nef3,Nefm,Nfm	neurofilament, medium polypeptide	GO:0008088	axon cargo transport
29424	Hd2,Hdh,Htt	huntingtin	GO:0008088	axon cargo transport
286976	Gcnt3,beta-16-N-acetylglucosaminyltransf	glucosaminyl (N-acetyl) transferase 3, mucin type	GO:0003829	beta-1 3-galactosyl-O-glycosyl-glycoprotein beta-1 6-N-acetylglucosam
64043	Gcnt1,core 2 GlcNAc-T	glucosaminyl (N-acetyl) transferase 1, core 2 (beta-1,6-N-acetylglucosaminyltransferase)	GO:0003829	beta-1 3-galactosyl-O-glycosyl-glycoprotein beta-1 6-N-acetylglucosam
117557	TM30nm,Tpm3,Tpm5	tropomyosin 3, gamma	GO:0007420	brain development
140673	Napa,alpha-SNAP	N-ethylmaleimide-sensitive factor attachment protein, alpha	GO:0007420	brain development
25416	Crmp2,Dpysl2,TOAD-64	dihydropyrimidinase-like 2	GO:0007420	brain development
29360	Sepp1	selenoprotein P, plasma, 1	GO:0007420	brain development
29376	4PS,IRS-2,Irs2	insulin receptor substrate 2	GO:0007420	brain development
29424	Hd2,Hdh,Htt	huntingtin	GO:0007420	brain development
29542	HCNP,Pbp,Pepp1,Rkip	phosphatidylethanolamine binding protein 1	GO:0007420	brain development
29637	Hmgcs12	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1 (soluble)	GO:0007420	brain development
307724	RGD1311099,Rpgrip11	Rpgrip1-like	GO:0007420	brain development
310392	Slc7a11	solute carrier family 7 (cationic amino acid transporter, gamma system), member 11	GO:0007420	brain development
64521	Tspan-2,Tspan2	tetraspanin 2	GO:0007420	brain development
83825	Ania4,Cpg16,Dcamkl1,Dclk1	doublecortin-like kinase 1	GO:0007420	brain development
84409	Robo2	roundabout homolog 2 (Drosophila)	GO:0007420	brain development
116469	CaT2,Ecac1,Trpv5	transient receptor potential cation channel, subfamily V, member 5	GO:0005262	calcium channel activity
306439	Gpm6a,M6a	glycoprotein m6a	GO:0005262	calcium channel activity
315435	Panx1,px1	Pannexin 1	GO:0005262	calcium channel activity
66026	Otrpc4,Trpv4,Vroac	transient receptor potential cation channel, subfamily V, member 4	GO:0005262	calcium channel activity
116469	CaT2,Ecac1,Trpv5	transient receptor potential cation channel, subfamily V, member 5	GO:0070588	calcium ion transmembrane transport
140448	Ncx3,Slc8a3	solute carrier family 8 (sodium/calcium exchanger), member 3	GO:0070588	calcium ion transmembrane transport
306439	Gpm6a,M6a	glycoprotein m6a	GO:0070588	calcium ion transmembrane transport
315435	Panx1,px1	Pannexin 1	GO:0070588	calcium ion transmembrane transport
66026	Otrpc4,Trpv4,Vroac	transient receptor potential cation channel, subfamily V, member 4	GO:0070588	calcium ion transmembrane transport
81678	Itpr2	inositol 1,4,5-triphosphate receptor, type 2	GO:0070588	calcium ion transmembrane transport
85267	Nckx3,Slc24a3	solute carrier family 24 (sodium/potassium/calcium exchanger), member 3	GO:0070588	calcium ion transmembrane transport
116469	CaT2,Ecac1,Trpv5	transient receptor potential cation channel, subfamily V, member 5	GO:0006816	calcium ion transport
140448	Ncx3,Slc8a3	solute carrier family 8 (sodium/calcium exchanger), member 3	GO:0006816	calcium ion transport
29600	Atp2b4,PMCA4	ATPase, Ca++ transporting, plasma membrane 4	GO:0006816	calcium ion transport
315435	Panx1,px1	Pannexin 1	GO:0006816	calcium ion transport
66026	Otrpc4,Trpv4,Vroac	transient receptor potential cation channel, subfamily V, member 4	GO:0006816	calcium ion transport
81678	Itpr2	inositol 1,4,5-triphosphate receptor, type 2	GO:0006816	calcium ion transport
85267	Nckx3,Slc24a3	solute carrier family 24 (sodium/potassium/calcium exchanger), member 3	GO:0006816	calcium ion transport
25336	CBF-B,CBFB,MGC108654,Nfya1,Nfyb	nuclear transcription factor-Y beta	GO:0016602	CCAAT-binding factor complex
25337	CBF-C,Nfyc	nuclear transcription factor-Y gamma	GO:0016602	CCAAT-binding factor complex

25617 BIP,Hspa5	heat shock protein 5	GO:0021680 cerebellar Purkinje cell layer development
292023 Aars	alanyl-tRNA synthetase	GO:0021680 cerebellar Purkinje cell layer development
303836 Bcl6	B-cell CLL/lymphoma 6	GO:0031490 chromatin DNA binding
361096 Zic2	Zic family member 2 (odd-paired homolog, Drosophila)	GO:0031490 chromatin DNA binding
303350 LRRGT00184,Rnf135	ring finger protein 135	GO:0006270 DNA-dependent DNA replication initiation
312538 Mcm2	minichromosome maintenance complex component 2	GO:0006270 DNA-dependent DNA replication initiation
25085 Th,The	tyrosine hydroxylase	GO:0042755 eating behavior
25340 NPYR5,Npy5r	neuropeptide Y receptor Y5	GO:0042755 eating behavior
29473 Aoc3,SSAO	amine oxidase, copper containing 3 (vascular adhesion protein 1)	GO:0042755 eating behavior
29542 HCNP,Pbp,Pebp1,Rkip	phosphatidylethanolamine binding protein 1	GO:0042755 eating behavior
304286 Lmtk2	lemur tyrosine kinase 2	GO:0032456 endocytic recycling
360725 Snx4	sorting nexin 4	GO:0032456 endocytic recycling
286897 Aip1,Dpy30	dpy-30 homolog (C. elegans)	GO:0016197 endosome transport
29216 Lrp2	low density lipoprotein-related protein 2	GO:0016197 endosome transport
29424 Hd2,Hdh,Htt	huntingtin	GO:0016197 endosome transport
245709 Exo84,Exoc8	exocyst complex component 8	GO:0000145 exocyst
500233 Exoc6b,MGC189077,RGD1560638	exocyst complex component 6B	GO:0000145 exocyst
286932 Vps54,Vsp54	vacuolar protein sorting 54 homolog (S. cerevisiae)	GO:0040007 growth
29360 Sepp1	selenoprotein P, plasma, 1	GO:0040007 growth
363088 Ccnb2,MGC108931	cyclin B2	GO:0040007 growth
313874 Rasgrp3	RAS guanyl releasing protein 3 (calcium and DAG-regulated)	GO:0032045 guanyl-nucleotide exchange factor complex
688705 Dgki,rDGKi-3	diacylglycerol kinase, iota	GO:0032045 guanyl-nucleotide exchange factor complex
25640 Hnf1b,LF-B3,MGC93549,Tcf2,VHNF1	HNF1 homeobox B	GO:0030902 hindbrain development
25671 Madh1,Smad1	SMAD family member 1	GO:0030902 hindbrain development
29458 Neurod1	neurogenic differentiation 1	GO:0030902 hindbrain development
291637 Pcdhga5	protocadherin gamma subfamily A, 5	GO:0007156 homophilic cell adhesion
393088 Pcdha6,rCNRv06	protocadherin alpha 6	GO:0007156 homophilic cell adhesion
393089 Pcdha7,rCNRv07	protocadherin alpha 7	GO:0007156 homophilic cell adhesion
498846 Pcdhga2	protocadherin gamma subfamily A, 2	GO:0007156 homophilic cell adhesion
553129 Pcdhga1	protocadherin gamma subfamily A, 1	GO:0007156 homophilic cell adhesion
680203 Pcdhb142,Pcdhb20	protocadherin beta 20	GO:0007156 homophilic cell adhesion
83501 Cdh2,N-cadherin	cadherin 2	GO:0007156 homophilic cell adhesion
84409 Robo2	roundabout homolog 2 (Drosophila)	GO:0007156 homophilic cell adhesion
309361 Chuk	conserved helix-loop-helix ubiquitous kinase	GO:0008384 I kappa B kinase activity
84351 AIM-1,IKK2,lkbb	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta	GO:0008384 I kappa B kinase activity
309361 Chuk	conserved helix-loop-helix ubiquitous kinase	GO:0008385 I kappa B kinase complex
84351 AIM-1,IKK2,lkbb	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta	GO:0008385 I kappa B kinase complex
287156 Miro2,Rhot2	ras homolog gene family, member T2	GO:0031307 integral to mitochondrial outer membrane
298576 Mul1,RGD1309944	mitochondrial ubiquitin ligase activator of NFKB 1	GO:0031307 integral to mitochondrial outer membrane
64531 Omp25,Synj2bp	synaptojanin 2 binding protein	GO:0031307 integral to mitochondrial outer membrane
116469 CaT2,Ecac1,Trpv5	transient receptor potential cation channel, subfamily V, member 5	GO:0005216 ion channel activity
24255 Cftr,RGD1561193	cystic fibrosis transmembrane conductance regulator homolog (human)	GO:0005216 ion channel activity
24766 Nach1l,Nav1.2,Ril/RIIA,RNSCPIIR,SCN,SCN2	sodium channel, voltage-gated, type II, alpha 1	GO:0005216 ion channel activity
25674 GLYRA1,Glra1	glycine receptor, alpha 1	GO:0005216 ion channel activity
315435 Panx1,px1	Pannexin 1	GO:0005216 ion channel activity
497948 Trpv3	transient receptor potential cation channel, subfamily V, member 3	GO:0005216 ion channel activity
65180 Kcnd2,Kv4.2,RK5,Shal1	potassium voltage-gated channel, Shal-related subfamily, member 2	GO:0005216 ion channel activity
65195 Kcnd3,Kv4.3	potassium voltage-gated channel, Shal-related subfamily, member 3	GO:0005216 ion channel activity
78956 Nav1.7,PN1,Scn2a1,Scn9a	sodium channel, voltage-gated, type IX, alpha	GO:0005216 ion channel activity
79220 Grid2	glutamate receptor, ionotropic, delta 2	GO:0005216 ion channel activity
81678 Itpr2	inositol 1,4,5-triphosphate receptor, type 2	GO:0005216 ion channel activity
305886 24p3R,Boct,MGC116043,Slc22a17,rBOCT	solute carrier family 22, member 17	GO:0006826 iron ion transport
306009 Slc39a14	solute carrier family 39 (zinc transporter), member 14	GO:0006826 iron ion transport
499991 Steap4	STEAP family member 4	GO:0006826 iron ion transport

25648	Atrc1,CAT1,Cat-1,Slc7a1	solute carrier family 7 (cationic amino acid transporter, γ + system), member 1	GO:0015807	L-amino acid transport
29483	EAAT1,GLAST,GluT-1,Slc1a3	solute carrier family 1 (glial high affinity glutamate transporter), member 3	GO:0015807	L-amino acid transport
84487	Dnpi,Slc17a6,Vglut2	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 6	GO:0015807	L-amino acid transport
29424	Hd2,Hdh,Htt	huntingtin	GO:0051938	L-glutamate import
29483	EAAT1,GLAST,GluT-1,Slc1a3	solute carrier family 1 (glial high affinity glutamate transporter), member 3	GO:0051938	L-glutamate import
29483	EAAT1,GLAST,GluT-1,Slc1a3	solute carrier family 1 (glial high affinity glutamate transporter), member 3	GO:0005313	L-glutamate transmembrane transporter activity
84487	Dnpi,Slc17a6,Vglut2	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 6	GO:0005313	L-glutamate transmembrane transporter activity
29483	EAAT1,GLAST,GluT-1,Slc1a3	solute carrier family 1 (glial high affinity glutamate transporter), member 3	GO:0015813	L-glutamate transport
84487	Dnpi,Slc17a6,Vglut2	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 6	GO:0015813	L-glutamate transport
24848	Tph,Tph1	tryptophan hydroxylase 1	GO:0060749	mammary gland alveolus development
309361	Chuk	conserved helix-loop-helix ubiquitous kinase	GO:0060749	mammary gland alveolus development
65218	Agap2,Centg1,Pike	ArfGAP with GTPase domain, ankyrin repeat and PH domain 2	GO:0060749	mammary gland alveolus development
25085	Th,The	tyrosine hydroxylase	GO:0007617	mating behavior
295327	Nhlh2	nescient helix loop helix 2	GO:0007617	mating behavior
116564	GC-B,NPR-B,Npr2	natriuretic peptide receptor B/guanylate cyclase B (atrionatriuretic peptide receptor B)	GO:0005624	membrane fraction
116779	Pcdha111,Pcdha12,rCNRv12	protocadherin alpha 12	GO:0005624	membrane fraction
24766	NachII,Nav1.2,RII/RIIA,RNSCPIIR,SCN,SCN2	sodium channel, voltage-gated, type II, alpha 1	GO:0005624	membrane fraction
25674	GLYRA1,Glra1	glycine receptor, alpha 1	GO:0005624	membrane fraction
291637	Pcdhga5	protocadherin gamma subfamily A, 5	GO:0005624	membrane fraction
29216	Lrp2	low density lipoprotein-related protein 2	GO:0005624	membrane fraction
29424	Hd2,Hdh,Htt	huntingtin	GO:0005624	membrane fraction
294679	ANKRA,Ankra2,MGC94130	ankyrin repeat, family A (RFXANK-like), 2	GO:0005624	membrane fraction
29483	EAAT1,GLAST,GluT-1,Slc1a3	solute carrier family 1 (glial high affinity glutamate transporter), member 3	GO:0005624	membrane fraction
29714	Ptpnrn2	protein tyrosine phosphatase, receptor type, N polypeptide 2	GO:0005624	membrane fraction
313231	Alg2	asparagine-linked glycosylation 2, alpha-1,3-mannosyltransferase homolog (S. cerevisiae)	GO:0005624	membrane fraction
363088	Ccnb2,MGC108931	cyclin B2	GO:0005624	membrane fraction
393088	Pcdha6,rCNRv06	protocadherin alpha 6	GO:0005624	membrane fraction
393089	Pcdha7,rCNRv07	protocadherin alpha 7	GO:0005624	membrane fraction
497770	Scn2a2,Nav1.3,SCIII,Scn3a	sodium channel, voltage-gated, type III, alpha	GO:0005624	membrane fraction
498846	Pcdhga2	protocadherin gamma subfamily A, 2	GO:0005624	membrane fraction
498850	Pcdhga12	protocadherin gamma subfamily A, 12	GO:0005624	membrane fraction
54248	Dagk,Dgkb	diacylglycerol kinase, beta	GO:0005624	membrane fraction
553106	Ncald	neurocalcin delta	GO:0005624	membrane fraction
553129	Pcdhga1	protocadherin gamma subfamily A, 1	GO:0005624	membrane fraction
64508	Adcy3	adenylate cyclase 3	GO:0005624	membrane fraction
78957	Shank1,Shank1a,Spank1,Sstrip	SH3 and multiple ankyrin repeat domains 1	GO:0005624	membrane fraction
79220	Grid2	glutamate receptor, ionotropic, delta 2	GO:0005624	membrane fraction
81642	Abcc6,Mrp6	ATP-binding cassette, subfamily C (CFTR/MRP), member 6	GO:0005624	membrane fraction
170943	Dic,MGC93224,Slc25a10	solute carrier family 25 (mitochondrial carrier; dicarboxylate transporter), member 10	GO:0006839	mitochondrial transport
29424	Hd2,Hdh,Htt	huntingtin	GO:0006839	mitochondrial transport
286976	Gcnt3,beta-16-N-acetylglucosaminyltransf	glucosaminyl (N-acetyl) transferase 3, mucin type	00512	Mucin type O-Glycan biosynthesis
287920	Siat7A,St6galnac1	ST6 (alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltran	00512	Mucin type O-Glycan biosynthesis
362275	B4galt5	UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 5	00512	Mucin type O-Glycan biosynthesis
64043	Gcnt1,core 2 GlcNAc-T	glucosaminyl (N-acetyl) transferase 1, core 2 (beta-1,6-N-acetylglucosaminyltransferase)	00512	Mucin type O-Glycan biosynthesis
286932	Vps54,Vsp54	vacuolar protein sorting 54 homolog (S. cerevisiae)	GO:0050881	musculoskeletal movement
308523	Tshz3,Zfp537	teashirt zinc finger homeobox 3	GO:0050881	musculoskeletal movement
291100	Irf4	interferon regulatory factor 4	GO:0043011	myeloid dendritic cell differentiation
65146	Lilrb31,NILR-1,Pirb1	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 3	GO:0043011	myeloid dendritic cell differentiation
25340	NPYR5,Npy5r	neuropeptide Y receptor Y5	GO:0032229	negative regulation of synaptic transmission GABAergic
25558	ANC18HA,Munc18-1,NSEC1A,Sec11,Stxbp	syntaxin binding protein 1	GO:0032229	negative regulation of synaptic transmission GABAergic
116478	ARMS,Kidins220	kinase D-interacting substrate 220	04722	Neurotrophin signaling pathway
170911	MGC116320,Pik3ca	phosphoinositide-3-kinase, catalytic, alpha polypeptide	04722	Neurotrophin signaling pathway
29376	4PS,IRS-2,Irs2	insulin receptor substrate 2	04722	Neurotrophin signaling pathway
297173	MGC94489,RSA-14-44	RSA-14-44 protein	04722	Neurotrophin signaling pathway

307100	Calml3	calmodulin-like 3	04722	Neurotrophin signaling pathway
361715	Ccdc88b2,Rps6ka4	coiled-coil domain containing 88B	04722	Neurotrophin signaling pathway
58838	Lnk,Sh2b3	SH2B adaptor protein 3	04722	Neurotrophin signaling pathway
83576	Nt3,Nts3,Sort1	sortilin 1	04722	Neurotrophin signaling pathway
84351	AIM-1,IKK2,Ikbbk	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta	04722	Neurotrophin signaling pathway
116690	NF,Nfasc	neurofascin	GO:0033268	node of Ranvier
24766	NachII,Nav1.2,RII/RIIA,RNSCPIIR,SCN,SCN2	sodium channel, voltage-gated, type II, alpha 1	GO:0033268	node of Ranvier
288025	A-C1,Hrasls	HRAS-like suppressor	GO:0005641	nuclear envelope lumen
289144	Cacybp,MGC93921	calcyclin binding protein	GO:0005641	nuclear envelope lumen
24390	B4galt1,Ggtb2	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1	GO:0009312	oligosaccharide biosynthetic process
287920	Siat7A,St6galnac1	ST6 (alpha-N-acetyl-neuraminy-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltran	GO:0009312	oligosaccharide biosynthetic process
686081	B3galt2	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 2	GO:0009312	oligosaccharide biosynthetic process
306011	Piwil2	piwi-like 2 (Drosophila)	GO:0048477	oogenesis
619575	RGD1304752,Sohlh2	spermatogenesis and oogenesis specific basic helix-loop-helix 2	GO:0048477	oogenesis
83805	Src	v-src sarcoma (Schmidt-Ruppin A-2) viral oncogene homolog (avian)	GO:0048477	oogenesis
116690	NF,Nfasc	neurofascin	GO:0033270	paranode region of axon
29409	Mag	myelin-associated glycoprotein	GO:0033270	paranode region of axon
361688	Suv420h1	suppressor of variegation 4-20 homolog 1 (Drosophila)	GO:0018022	peptidyl-lysine methylation
364785	Suv39h2	suppressor of variegation 3-9 homolog 2 (Drosophila)	GO:0018022	peptidyl-lysine methylation
25340	NPYR5,Npy5r	neuropeptide Y receptor Y5	GO:0002675	positive regulation of acute inflammatory response
29473	Aoc3,SSAO	amine oxidase, copper containing 3 (vascular adhesion protein 1)	GO:0002675	positive regulation of acute inflammatory response
25671	Madh1,Smad1	SMAD family member 1	GO:0061036	positive regulation of cartilage development
83476	Cyr61,MGC93040	cysteine-rich, angiogenic inducer, 61	GO:0061036	positive regulation of cartilage development
24356	Ets-11,Ets1,Etoncb,MGC124638,Tpl1	v-ets erythroblastosis virus E26 oncogene homolog 1 (avian)	GO:0051272	positive regulation of cellular component movement
303836	Bcl6	B-cell CLL/lymphoma 6	GO:0051272	positive regulation of cellular component movement
63836	Actn4	actinin alpha 4	GO:0051272	positive regulation of cellular component movement
29376	4PS,IRS-2,irs2	insulin receptor substrate 2	GO:0010907	positive regulation of glucose metabolic process
83805	Src	v-src sarcoma (Schmidt-Ruppin A-2) viral oncogene homolog (avian)	GO:0010907	positive regulation of glucose metabolic process
25317	Fgf1,HBGF-1,HBGF1	fibroblast growth factor 1	GO:0010740	positive regulation of intracellular protein kinase cascade
83805	Src	v-src sarcoma (Schmidt-Ruppin A-2) viral oncogene homolog (avian)	GO:0010740	positive regulation of intracellular protein kinase cascade
114520	Gs2na,Sg2na,Strn3	striatin, calmodulin binding protein 3	GO:0045944	positive regulation of transcription from RNA polymerase II promoter
116544	Pou2f3	POU class 2 homeobox 3	GO:0045944	positive regulation of transcription from RNA polymerase II promoter
171355	Brn3b,Pou4f2	POU class 4 homeobox 2	GO:0045944	positive regulation of transcription from RNA polymerase II promoter
24356	Ets-11,Ets1,Etoncb,MGC124638,Tpl1	v-ets erythroblastosis virus E26 oncogene homolog 1 (avian)	GO:0045944	positive regulation of transcription from RNA polymerase II promoter
246297	Mycd,Myocd	myocardin	GO:0045944	positive regulation of transcription from RNA polymerase II promoter
24831	C-erba-beta,ERBA2,Nr1a2,RATT3REC,T3re	thyroid hormone receptor beta	GO:0045944	positive regulation of transcription from RNA polymerase II promoter
25159	Gata2	GATA binding protein 2	GO:0045944	positive regulation of transcription from RNA polymerase II promoter
25271	Rxra	retinoid X receptor alpha	GO:0045944	positive regulation of transcription from RNA polymerase II promoter
25640	Hnf1b,LF-B3,MGC93549,Tcf2,VHNF1	HNF1 homeobox B	GO:0045944	positive regulation of transcription from RNA polymerase II promoter
25671	Madh1,Smad1	SMAD family member 1	GO:0045944	positive regulation of transcription from RNA polymerase II promoter
288154	Hoxd13	homeo box D13	GO:0045944	positive regulation of transcription from RNA polymerase II promoter
29458	Neurod1	neurogenic differentiation 1	GO:0045944	positive regulation of transcription from RNA polymerase II promoter
311311	Meis2	Meis homeobox 2	GO:0045944	positive regulation of transcription from RNA polymerase II promoter
311658	Nfatc2	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 2	GO:0045944	positive regulation of transcription from RNA polymerase II promoter
316351	Npas2	neuronal PAS domain protein 2	GO:0045944	positive regulation of transcription from RNA polymerase II promoter
361103	Rai17,Zmiz1	zinc finger, MIZ-type containing 1	GO:0045944	positive regulation of transcription from RNA polymerase II promoter
361391	Pebp22,Cbfb	core-binding factor, beta subunit	GO:0045944	positive regulation of transcription from RNA polymerase II promoter
362591	Mtf1	metal-regulatory transcription factor 1	GO:0045944	positive regulation of transcription from RNA polymerase II promoter
362741	Pax9	paired box 9	GO:0045944	positive regulation of transcription from RNA polymerase II promoter
365755	RGD1560053,Tbl1xr1	transducin (beta)-like 1 X-linked receptor 1	GO:0045944	positive regulation of transcription from RNA polymerase II promoter
498392	Cyt11,RGD1561846	cytokine like 1	GO:0045944	positive regulation of transcription from RNA polymerase II promoter
500538	Byb1,Cbfa,Dbpb,Ef1a,Msy1,Nsep1,Yb1,Yb	Y box binding protein 1	GO:0045944	positive regulation of transcription from RNA polymerase II promoter
64530	Cnbp,Cnbp1,Znf9	CCHC-type zinc finger, nucleic acid binding protein	GO:0045944	positive regulation of transcription from RNA polymerase II promoter
65218	Agap2,Centg1,Pike	ArfGAP with GTPase domain, ankyrin repeat and PH domain 2	GO:0045944	positive regulation of transcription from RNA polymerase II promoter

79240	HMR,Ngfi-b,Nr4a1,Nur77	nuclear receptor subfamily 4, group A, member 1	GO:0045944	positive regulation of transcription from RNA polymerase II promoter
288308	Rnf160,Zfp294,Znf294	ring finger protein 160	GO:0051865	protein autoubiquitination
309331	Uhrf2	ubiquitin-like with PHD and ring finger domains 2	GO:0051865	protein autoubiquitination
311866	Lrsam1,RGD1564403	leucine rich repeat and sterile alpha motif containing 1	GO:0051865	protein autoubiquitination
299971	Atp6v1c1,MGC109315	ATPase, H+ transporting, lysosomal V1 subunit C1	GO:0033180	proton-transporting V-type ATPase V1 domain
685232	Atp6v1a,Atp6v1a1	ATPase, H+ transporting, lysosomal V1 subunit A	GO:0033180	proton-transporting V-type ATPase V1 domain
313874	Rasgrp3	RAS guanyl releasing protein 3 (calcium and DAG-regulated)	GO:0017016	Ras GTPase binding
688705	Dgki,rDGKi-3	diacylglycerol kinase, iota	GO:0017016	Ras GTPase binding
24390	B4galt1,Ggtb2	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1	GO:0060046	regulation of acrosome reaction
25674	GLYRA1,Glra1	glycine receptor, alpha 1	GO:0060046	regulation of acrosome reaction
29409	Mag	myelin-associated glycoprotein	GO:0050770	regulation of axonogenesis
311236	Lrrc4c,RGD1311013	leucine rich repeat containing 4C	GO:0050770	regulation of axonogenesis
83501	Cdh2,N-cadherin	cadherin 2	GO:0050770	regulation of axonogenesis
303350	LRGT00184,Rnf135	ring finger protein 135	GO:0045088	regulation of innate immune response
314654	Myo1f	myosin IF	GO:0045088	regulation of innate immune response
140673	Napa,alpha-SNAP	N-ethylmaleimide-sensitive factor attachment protein, alpha	GO:0010807	regulation of synaptic vesicle priming
25558	ANC18HA,Munc18-1,NSEC1A,Sec11,Stxbp	syntaxin binding protein 1	GO:0010807	regulation of synaptic vesicle priming
25640	Hnf1b,LF-B3,MGC93549,Tcf2,VHNF1	HNF1 homeobox B	GO:0030111	regulation of Wnt receptor signaling pathway
362325	Kdt1,Mdfic	MyoD family inhibitor domain containing	GO:0030111	regulation of Wnt receptor signaling pathway
29637	Hmgcs12	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1 (soluble)	GO:0001101	response to acid
309361	Chuk	conserved helix-loop-helix ubiquitous kinase	GO:0001101	response to acid
83805	Src	v-src sarcoma (Schmidt-Ruppin A-2) viral oncogene homolog (avian)	GO:0001101	response to acid
24356	Ets-11,Ets1,Etsoncb,MGC124638,Tp1	v-ets erythroblastosis virus E26 oncogene homolog 1 (avian)	GO:0009611	response to wounding
24390	B4galt1,Ggtb2	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1	GO:0009611	response to wounding
293050	Abhd2	abhydrolase domain containing 2	GO:0009611	response to wounding
29483	EAAT1,GLAST,GluT-1,Slc1a3	solute carrier family 1 (glial high affinity glutamate transporter), member 3	GO:0009611	response to wounding
29542	HCNP,Pbp,Pebp1,Rkip	phosphatidylethanolamine binding protein 1	GO:0009611	response to wounding
363041	Pate4,Svs7	prostate and testis expressed 4	GO:0009611	response to wounding
497770	Scn2a2,Nav1.3,SCIII,Scn3a	sodium channel, voltage-gated, type III, alpha	GO:0009611	response to wounding
171355	Brn3b,Pou4f2	POU class 4 homeobox 2	GO:0031290	retinal ganglion cell axon guidance
361096	Zic2	Zic family member 2 (odd-paired homolog, Drosophila)	GO:0031290	retinal ganglion cell axon guidance
84409	Robo2	roundabout homolog 2 (Drosophila)	GO:0031290	retinal ganglion cell axon guidance
308445	Cyp2s1	cytochrome P450, family 2, subfamily s, polypeptide 1	GO:0008401	retinoic acid 4-hydroxylase activity
312495	Cyp26b1	cytochrome P450, family 26, subfamily b, polypeptide 1	GO:0008401	retinoic acid 4-hydroxylase activity
25617	BIP,Hspa5	heat shock protein 5	GO:0043022	ribosome binding
310261	Eif5a2,eIF5AII	eukaryotic translation initiation factor 5A2	GO:0043022	ribosome binding
361273	Sec61a2	Sec61 alpha 2 subunit (S. cerevisiae)	GO:0043022	ribosome binding
309361	Chuk	conserved helix-loop-helix ubiquitous kinase	GO:0003009	skeletal muscle contraction
84351	AIM-1,IKK2,Ikbbk	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta	GO:0003009	skeletal muscle contraction
293960	Zfand5,Zfp216	zinc finger, AN1-type domain 5	GO:0048745	smooth muscle tissue development
308523	Tshz3,Zfp537	teashirt zinc finger homeobox 3	GO:0048745	smooth muscle tissue development
24766	NachII,Nav1.2,RII/RIIA,RNSCPIIR,SCN,SCN2	sodium channel, voltage-gated, type II, alpha 1	GO:0031402	sodium ion binding
497770	Scn2a2,Nav1.3,SCIII,Scn3a	sodium channel, voltage-gated, type III, alpha	GO:0031402	sodium ion binding
78956	Nav1.7,PN1,Scn2a1,Scn9a	sodium channel, voltage-gated, type IX, alpha	GO:0031402	sodium ion binding
113970	Acvrinp1,Acvrp1,Magi2,S-SCAM	membrane associated guanylate kinase, WW and PDZ domain containing 2	GO:0019717	synaptosome
24766	NachII,Nav1.2,RII/RIIA,RNSCPIIR,SCN,SCN2	sodium channel, voltage-gated, type II, alpha 1	GO:0019717	synaptosome
25085	Th,The	tyrosine hydroxylase	GO:0019717	synaptosome
25416	Crmp2,Dpysl2,TOAD-64	dihydropyrimidinase-like 2	GO:0019717	synaptosome
25624	Syb1,Vamp1	vesicle-associated membrane protein 1	GO:0019717	synaptosome
29542	HCNP,Pbp,Pebp1,Rkip	phosphatidylethanolamine binding protein 1	GO:0019717	synaptosome
315346	Itga5,Itga5_retired	integrin, alpha 5 (fibronectin receptor, alpha polypeptide)	GO:0019717	synaptosome
65180	Kcnd2,Kv4.2,RK5,Shal1	potassium voltage-gated channel, Shal-related subfamily, member 2	GO:0019717	synaptosome
79220	Grid2	glutamate receptor, ionotropic, delta 2	GO:0019717	synaptosome
83805	Src	v-src sarcoma (Schmidt-Ruppin A-2) viral oncogene homolog (avian)	GO:0019717	synaptosome

84487 Dnpi,Slc17a6,Vglut2	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 6	GO:0019717 synaptosome
29216 Lrp2	low density lipoprotein-related protein 2	GO:0045056 transcytosis
83805 Src	v-src sarcoma (Schmidt-Ruppin A-2) viral oncogene homolog (avian)	GO:0045056 transcytosis
116469 CaT2,Ecac1,Trpv5	transient receptor potential cation channel, subfamily V, member 5	GO:0055085 transmembrane transport
140448 Ncx3,Slc8a3	solute carrier family 8 (sodium/calcium exchanger), member 3	GO:0055085 transmembrane transport
170943 Dic,MGC93224,Slc25a10	solute carrier family 25 (mitochondrial carrier; dicarboxylate transporter), member 10	GO:0055085 transmembrane transport
24255 Cftr,RGD1561193	cystic fibrosis transmembrane conductance regulator homolog (human)	GO:0055085 transmembrane transport
24766 NachII,Nav1.2,RII/RIIA,RNSCPIIR,SCN,SCN2	sodium channel, voltage-gated, type II, alpha 1	GO:0055085 transmembrane transport
25270 Abcd3,PMP70,Pxmp1	ATP-binding cassette, subfamily D (ALD), member 3	GO:0055085 transmembrane transport
25351 GTT2,Glut2,Slc2a2	solute carrier family 2 (facilitated glucose transporter), member 2	GO:0055085 transmembrane transport
287451 Slc16a13	solute carrier family 16, member 13 (monocarboxylic acid transporter 13)	GO:0055085 transmembrane transport
305625 Mfsd7,RGD1304688	major facilitator superfamily domain containing 7	GO:0055085 transmembrane transport
305886 24p3R,Boct,MGC116043,Slc22a17,rBOCT	solute carrier family 22, member 17	GO:0055085 transmembrane transport
306009 Slc39a14	solute carrier family 39 (zinc transporter), member 14	GO:0055085 transmembrane transport
307900 Kcng4	potassium voltage-gated channel, subfamily G, member 4	GO:0055085 transmembrane transport
311730 Gpr155	G protein-coupled receptor 155	GO:0055085 transmembrane transport
315023 RGD1565789,Slc25a32	solute carrier family 25, member 32	GO:0055085 transmembrane transport
362824 RGD1307722	similar to hypothetical protein MGC20700	GO:0055085 transmembrane transport
497770 Scn2a2,Nav1.3,SCIII,Scn3a	sodium channel, voltage-gated, type III, alpha	GO:0055085 transmembrane transport
64469 Slc30a4	solute carrier family 30 (zinc transporter), member 4	GO:0055085 transmembrane transport
65180 Kcnd2,Kv4.2,RK5,Shal1	potassium voltage-gated channel, Shal-related subfamily, member 2	GO:0055085 transmembrane transport
65195 Kcnd3,Kv4.3	potassium voltage-gated channel, Shal-related subfamily, member 3	GO:0055085 transmembrane transport
66026 Otrpc4,Trpv4,Vroac	transient receptor potential cation channel, subfamily V, member 4	GO:0055085 transmembrane transport
690212 Slc16a5	solute carrier family 16, member 5 (monocarboxylic acid transporter 6)	GO:0055085 transmembrane transport
78956 Nav1.7,PN1,Scn2a1,Scn9a	sodium channel, voltage-gated, type IX, alpha	GO:0055085 transmembrane transport
81642 Abcc6,Mrp6	ATP-binding cassette, subfamily C (CFTR/MRP), member 6	GO:0055085 transmembrane transport
81678 Itpr2	inositol 1,4,5-triphosphate receptor, type 2	GO:0055085 transmembrane transport
83529 Vdac1	voltage-dependent anion channel 1	GO:0055085 transmembrane transport
84487 Dnpi,Slc17a6,Vglut2	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 6	GO:0055085 transmembrane transport
85267 Nckx3,Slc24a3	solute carrier family 24 (sodium/potassium/calcium exchanger), member 3	GO:0055085 transmembrane transport
85426 Cht1,Slc5a7	solute carrier family 5 (choline transporter), member 7	GO:0055085 transmembrane transport
117513 Sec22a,Sec22I2	SEC22 vesicle trafficking protein homolog A (<i>S. cerevisiae</i>)	GO:0016192 vesicle-mediated transport
140673 Napa,alpha-SNAP	N-ethylmaleimide-sensitive factor attachment protein, alpha	GO:0016192 vesicle-mediated transport
171126 Ap3m1,P47a	adaptor-related protein complex 3, mu 1 subunit	GO:0016192 vesicle-mediated transport
246117 Mcfd2,Sdmsf	multiple coagulation factor deficiency 2	GO:0016192 vesicle-mediated transport
252853 Stx17	syntaxin 17	GO:0016192 vesicle-mediated transport
25558 ANC18HA,Munc18-1,NSEC1A,Sec11,Stxbp	syntaxin binding protein 1	GO:0016192 vesicle-mediated transport
25624 Syb1,Vamp1	vesicle-associated membrane protein 1	GO:0016192 vesicle-mediated transport
292483 MGC116325,Stx11	syntaxin 11	GO:0016192 vesicle-mediated transport
29663 Adtb1,Ap1b1	adaptor-related protein complex 1, beta 1 subunit	GO:0016192 vesicle-mediated transport
64154 Gosr2	golgi SNAP receptor complex member 2	GO:0016192 vesicle-mediated transport
24766 NachII,Nav1.2,RII/RIIA,RNSCPIIR,SCN,SCN2	sodium channel, voltage-gated, type II, alpha 1	GO:0005248 voltage-gated sodium channel activity
497770 Scn2a2,Nav1.3,SCIII,Scn3a	sodium channel, voltage-gated, type III, alpha	GO:0005248 voltage-gated sodium channel activity
78956 Nav1.7,PN1,Scn2a1,Scn9a	sodium channel, voltage-gated, type IX, alpha	GO:0005248 voltage-gated sodium channel activity
24766 NachII,Nav1.2,RII/RIIA,RNSCPIIR,SCN,SCN2	sodium channel, voltage-gated, type II, alpha 1	GO:0001518 voltage-gated sodium channel complex
497770 Scn2a2,Nav1.3,SCIII,Scn3a	sodium channel, voltage-gated, type III, alpha	GO:0001518 voltage-gated sodium channel complex
78956 Nav1.7,PN1,Scn2a1,Scn9a	sodium channel, voltage-gated, type IX, alpha	GO:0001518 voltage-gated sodium channel complex