

Entrez	Symbols	Name	TermID	TermDesc
116720	Pik3c2g	phosphoinositide-3-kinase, class 2, gamma polypeptide	GO:0016303	1-phosphatidylinositol-3-kinase activity
170911	MGC116320,Pik3ca	phosphoinositide-3-kinase, catalytic, alpha polypeptide	GO:0016303	1-phosphatidylinositol-3-kinase activity
366508	Pik3cd	phosphoinositide-3-kinase, catalytic, delta polypeptide	GO:0016303	1-phosphatidylinositol-3-kinase activity
305291	RGD1308828,S5AR 3,Srd5a3	steroid 5 alpha-reductase 3	GO:0003865	3-oxo-5-alpha-steroid 4-dehydrogenase activity
361191	Nsun2,RGD1311954	NOL1/NOP2/Sun domain family, member 2	GO:0003865	3-oxo-5-alpha-steroid 4-dehydrogenase activity
312373	Nt5c3	5'-nucleotidase, cytosolic III	GO:0008253	5'-nucleotidase activity
58813	MGC112615,Nt5,Nt5e	5' nucleotidase, ecto	GO:0008253	5'-nucleotidase activity
312373	Nt5c3	5'-nucleotidase, cytosolic III	GO:0046085	adenosine metabolic process
58813	MGC112615,Nt5,Nt5e	5' nucleotidase, ecto	GO:0046085	adenosine metabolic process
63889	Ptgdr1,Ptgdr2,Ptgdr1	prostaglandin D receptor-like	GO:0046085	adenosine metabolic process
24854	APOJ,CLI,Clu,DAG,RATTRPM2I	clusterin	GO:0016235	aggresome
301516	Stk36	serine/threonine kinase 36 (fused homolog, Drosophila)	GO:0016235	aggresome
83502	Cdh1	cadherin 1	GO:0016235	aggresome
170911	MGC116320,Pik3ca	phosphoinositide-3-kinase, catalytic, alpha polypeptide	4960	Aldosterone-regulated sodium reabsorption
24211	Atp1a1,Nkaa1b	ATPase, Na+/K+ transporting, alpha 1 polypeptide	4960	Aldosterone-regulated sodium reabsorption
24212	Atp1a2,RATATPA2	ATPase, Na+/K+ transporting, alpha 2 polypeptide	4960	Aldosterone-regulated sodium reabsorption
24214	ATPB2,ATPB2S,Amog,Atp1b2	ATPase, Na+/K+ transporting, beta 2 polypeptide	4960	Aldosterone-regulated sodium reabsorption
25023	Pkcb,Prkcb,Prkcb1	protein kinase C, beta	4960	Aldosterone-regulated sodium reabsorption
366508	Pik3cd	phosphoinositide-3-kinase, catalytic, delta polypeptide	4960	Aldosterone-regulated sodium reabsorption
25030	Andpro,Crp1,RATANDPRO	androgen regulated 20 kDa protein	GO:0030521	androgen receptor signaling pathway
303403	Med13,Thrap1	mediator complex subunit 13	GO:0030521	androgen receptor signaling pathway
306030	Med4,Vdrip	mediator complex subunit 4	GO:0030521	androgen receptor signaling pathway
619436	Med24,Thrap4	mediator complex subunit 24	GO:0030521	androgen receptor signaling pathway
170911	MGC116320,Pik3ca	phosphoinositide-3-kinase, catalytic, alpha polypeptide	GO:0006916	anti-apoptosis
24356	Ets-11,Ets1,Etsnbc,MGC1246	v-ets erythroblastosis virus E26 oncogene homolog 1 (avian)	GO:0006916	anti-apoptosis
24686	PrP,Prn,Prnp	prion protein	GO:0006916	anti-apoptosis
24854	APOJ,CLI,Clu,DAG,RATTRPM2I	clusterin	GO:0006916	anti-apoptosis
286900	Sels,sg2	selenoprotein S	GO:0006916	anti-apoptosis
29142	MGC114385,Tiff66,Vnn1	vanin 1	GO:0006916	anti-apoptosis
29219	MGC105443,Snca	synuclein, alpha (non A4 component of amyloid precursor)	GO:0006916	anti-apoptosis
295357	Hbxip	hepatitis B virus x interacting protein	GO:0006916	anti-apoptosis
311450	Pak7	p21 protein (Cdc42/Rac)-activated kinase 7	GO:0006916	anti-apoptosis
362170	Api5,MGC187857	apoptosis inhibitor 5	GO:0006916	anti-apoptosis
362491	Ripk2	receptor-interacting serine-threonine kinase 2	GO:0006916	anti-apoptosis
362495	Hrpap20,Ndufaf4	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, assembly facto	GO:0006916	anti-apoptosis
84006	Prkci2,Pkcl	protein kinase C, iota	GO:0006916	anti-apoptosis
116470	Stx1a	syntaxin 1A (brain)	GO:0043008	ATP-dependent protein binding
24686	PrP,Prn,Prnp	prion protein	GO:0043008	ATP-dependent protein binding
308384	Sae1,Uble1a	SUMO1 activating enzyme subunit 1	GO:0043008	ATP-dependent protein binding
25023	Pkcb,Prkcb,Prkcb1	protein kinase C, beta	GO:0042113	B cell activation
366508	Pik3cd	phosphoinositide-3-kinase, catalytic, delta polypeptide	GO:0042113	B cell activation
499356	Blnk,MGC112831	B-cell linker	GO:0042113	B cell activation
24590	CD10,MGC93576,Mme1,Nep	membrane metallo endopeptidase	GO:0050435	beta-amyloid metabolic process
25700	INSDEGM,Ide	insulin degrading enzyme	GO:0050435	beta-amyloid metabolic process
29393	COLIA1,Col1a1	collagen, type I, alpha 1	GO:0060346	bone trabecula formation
81686	Mmp2	matrix metalloproteinase 2	GO:0060346	bone trabecula formation

116595	Nrxn2	neurexin 2	GO:0005246	calcium channel regulator activity
24415	Grm2	glutamate receptor, metabotropic 2	GO:0005246	calcium channel regulator activity
24416	Grm3,mGluR3	glutamate receptor, metabotropic 3	GO:0005246	calcium channel regulator activity
25023	Pkcb,Prkcb,Prkcb1	protein kinase C, beta	GO:0005246	calcium channel regulator activity
170911	MGC116320,Pik3ca	phosphoinositide-3-kinase, catalytic, alpha polypeptide	4973	Carbohydrate digestion and absorption
24211	Atp1a1,Nkaa1b	ATPase, Na+/K+ transporting, alpha 1 polypeptide	4973	Carbohydrate digestion and absorption
24212	Atp1a2,RATATPA2	ATPase, Na+/K+ transporting, alpha 2 polypeptide	4973	Carbohydrate digestion and absorption
24214	ATPB2,ATPB2S,Amog,Atp1b2,	ATPase, Na+/K+ transporting, beta 2 polypeptide	4973	Carbohydrate digestion and absorption
25023	Pkcb,Prkcb,Prkcb1	protein kinase C, beta	4973	Carbohydrate digestion and absorption
25060	Hk3,RNU73859	hexokinase 3 (white cell)	4973	Carbohydrate digestion and absorption
29573	G6pt1,Slc37a4	solute carrier family 37 (glucose-6-phosphate transporter), member 4	4973	Carbohydrate digestion and absorption
366508	Pik3cd	phosphoinositide-3-kinase, catalytic, delta polypeptide	4973	Carbohydrate digestion and absorption
362491	Ripk2	receptor-interacting serine-threonine kinase 2	GO:0050700	CARD domain binding
500133	Nod1,RGD1562269	nucleotide-binding oligomerization domain containing 1	GO:0050700	CARD domain binding
24392	Cx43,Gja1,MGC93610	gap junction protein, alpha 1	GO:0007267	cell-cell signaling
24771	RATRYUDOCA,RYUDOCA,Sdc4	syndecan 4	GO:0007267	cell-cell signaling
362979	Panx2	pannexin 2	GO:0007267	cell-cell signaling
394266	CXN-26,Cx26,Gjb2,MGC93804	gap junction protein, beta 2	GO:0007267	cell-cell signaling
50563	Cx40,Gja5	gap junction protein, alpha 5	GO:0007267	cell-cell signaling
84489	Fgfr3	fibroblast growth factor receptor 3	GO:0007267	cell-cell signaling
291047	Gcm2	glial cells missing homolog 2 (Drosophila)	GO:0030643	cellular phosphate ion homeostasis
59114	Slc9a3r1	solute carrier family 9 (sodium/hydrogen exchanger), member 3 regulat	GO:0030643	cellular phosphate ion homeostasis
24851	Alpha-tm,Tma2,Tmsa,Tpm1	tropomyosin 1, alpha	GO:0034614	cellular response to reactive oxygen species
314322	Fos,c-fos	FBJ osteosarcoma oncogene	GO:0034614	cellular response to reactive oxygen species
116564	GC-B,NPR-B,Npr2	natriuretic peptide receptor B/guanylate cyclase B (atrionatriuretic pept	GO:0006182	cGMP biosynthetic process
24602	ANF,ANP,Nppa,Pnd,RATANF	natriuretic peptide precursor A	GO:0006182	cGMP biosynthetic process
25202	Gucy1b1,Gucy1b3,MGC93604	guanylate cyclase 1, soluble, beta 3	GO:0006182	cGMP biosynthetic process
29581	Htr2b	5-hydroxytryptamine (serotonin) receptor 2B	GO:0006182	cGMP biosynthetic process
24805	RATSYNII,SYNII,Syt2	synaptotagmin II	GO:0042584	chromaffin granule membrane
25716	P65,Syt1	synaptotagmin I	GO:0042584	chromaffin granule membrane
170911	MGC116320,Pik3ca	phosphoinositide-3-kinase, catalytic, alpha polypeptide	5210	Colorectal cancer
25402	Casp3,Lice,MGC93645	caspase 3	5210	Colorectal cancer
29591	MGC93659,Tgfbr1	transforming growth factor, beta receptor 1	5210	Colorectal cancer
312451	Tcf32	transcription factor 3	5210	Colorectal cancer
314322	Fos,c-fos	FBJ osteosarcoma oncogene	5210	Colorectal cancer
366508	Pik3cd	phosphoinositide-3-kinase, catalytic, delta polypeptide	5210	Colorectal cancer
114514	Clasp2	cytoplasmic linker associated protein 2	GO:0000777	condensed chromosome kinetochore
295661	MGC108932,RGD1307811,Spt	SPC25, NDC80 kinetochore complex component, homolog (S. cerevisiae)	GO:0000777	condensed chromosome kinetochore
296137	Bub1	budding uninhibited by benzimidazoles 1 homolog (S. cerevisiae)	GO:0000777	condensed chromosome kinetochore
24392	Cx43,Gja1,MGC93610	gap junction protein, alpha 1	GO:0005922	connexon complex
394266	CXN-26,Cx26,Gjb2,MGC93804	gap junction protein, beta 2	GO:0005922	connexon complex
50563	Cx40,Gja5	gap junction protein, alpha 5	GO:0005922	connexon complex
114115	P2X2,P2rx2	purinergic receptor P2X, ligand-gated ion channel, 2	GO:0005507	copper ion binding
24686	PrP,Prn,Prnp	prion protein	GO:0005507	copper ion binding
24914	H-rev142,Lox,Rrg1	lysyl oxidase	GO:0005507	copper ion binding
29659	P2rx4	purinergic receptor P2X, ligand-gated ion channel 4	GO:0005507	copper ion binding
309380	Lox14	lysyl oxidase-like 4	GO:0005507	copper ion binding

690300	Cox11	COX11 homolog, cytochrome c oxidase assembly protein (yeast)	GO:0005507	copper ion binding
316101	Limd1	LIM domains containing 1	GO:0033962	cytoplasmic mRNA processing body assembly
361554	Lsm14a,RGD1305695	LSM14A, SCD6 homolog A (<i>S. cerevisiae</i>)	GO:0033962	cytoplasmic mRNA processing body assembly
25615	HSPG2,Sdc2	syndecan 2	GO:0048813	dendrite morphogenesis
363243	Klf7	Kruppel-like factor 7 (ubiquitous)	GO:0048813	dendrite morphogenesis
83825	Ania4,Cpg16,Dcamk1,Dclk1	doublecortin-like kinase 1	GO:0048813	dendrite morphogenesis
114087	Baf,Banf1,Bcrp1,L2bp1,L2bp1,	barrier to autointegration factor 1	GO:0015074	DNA integration
308918	Ppfibp2	PTPRF interacting protein, binding protein 2 (liprin beta 2)	GO:0015074	DNA integration
307724	RGD1311099,Rpgrip11	Rpgrip1-like	GO:0035115	embryonic forelimb morphogenesis
312781	Lrp6	low density lipoprotein receptor-related protein 6	GO:0035115	embryonic forelimb morphogenesis
365900	Alx3	aristaless-like homeobox 3	GO:0035115	embryonic forelimb morphogenesis
24211	Atp1a1,Nkaa1b	ATPase, Na ⁺ /K ⁺ transporting, alpha 1 polypeptide	GO:0015988	energy coupled proton transport against electrochemical gradient
24212	Atp1a2,RATATPA2	ATPase, Na ⁺ /K ⁺ transporting, alpha 2 polypeptide	GO:0015988	energy coupled proton transport against electrochemical gradient
24708	Rb1	retinoblastoma 1	GO:0043353	enucleate erythrocyte differentiation
25301	C/EBP,CEBPRNA,Cebpg	CCAAT/enhancer binding protein (C/EBP), gamma	GO:0043353	enucleate erythrocyte differentiation
309449	Elovl3	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-li	GO:0019367	fatty acid elongation saturated fatty acid
315851	Elovl4	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-li	GO:0019367	fatty acid elongation saturated fatty acid
362170	Api5,MGC187857	apoptosis inhibitor 5	GO:0017134	fibroblast growth factor binding
499349	Fgfbp3,RGD1560326	fibroblast growth factor binding protein 3	GO:0017134	fibroblast growth factor binding
84489	Fgfr3	fibroblast growth factor receptor 3	GO:0017134	fibroblast growth factor binding
25097	Pld2,Pldc	phospholipase D2	GO:0002031	G-protein coupled receptor internalization
29581	Htr2b	5-hydroxytryptamine (serotonin) receptor 2B	GO:0002031	G-protein coupled receptor internalization
24392	Cx43,Gja1,MGC93610	gap junction protein, alpha 1	GO:0005243	gap junction channel activity
362979	Panx2	pannexin 2	GO:0005243	gap junction channel activity
394266	CXN-26,Cx26,Gjb2,MGC93804	gap junction protein, beta 2	GO:0005243	gap junction channel activity
50563	Cx40,Gja5	gap junction protein, alpha 5	GO:0005243	gap junction channel activity
116686	Gsr	glutathione reductase	GO:0043295	glutathione binding
59103	MGC124930,Pges,Ptges	prostaglandin E synthase	GO:0043295	glutathione binding
64317	GSHPx-3,GSHPx-P,Gpx3,Gpxp	glutathione peroxidase 3	GO:0043295	glutathione binding
294324	Agpat3	1-acylglycerol-3-phosphate O-acyltransferase 3	561	Glycerolipid metabolism
29651	Aldh1a4,Aldh1a7,Aldhpb	aldehyde dehydrogenase family 1, subfamily A7	561	Glycerolipid metabolism
305166	Agpat9,MGC114395	1-acylglycerol-3-phosphate O-acyltransferase 9	561	Glycerolipid metabolism
406165	Agpat1,MGC94573	1-acylglycerol-3-phosphate O-acyltransferase 1 (lysophosphatidic acid ac	561	Glycerolipid metabolism
64369	Ppap2a	phosphatidic acid phosphatase type 2A	561	Glycerolipid metabolism
688705	Dgki,rDGKi-3	diacylglycerol kinase, iota	561	Glycerolipid metabolism
50555	Ugt8,Ugt8a	UDP glycosyltransferase 8	GO:0006688	glycosphingolipid biosynthetic process
65196	B4galt6	UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 6	GO:0006688	glycosphingolipid biosynthetic process
24415	Grm2	glutamate receptor, metabotropic 2	GO:0001641	group II metabotropic glutamate receptor activity
24416	Grm3,mGluR3	glutamate receptor, metabotropic 3	GO:0001641	group II metabotropic glutamate receptor activity
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
29581	Htr2b	5-hydroxytryptamine (serotonin) receptor 2B	GO:0003007	heart morphogenesis
360801	Ncor2	nuclear receptor co-repressor 2	GO:0003007	heart morphogenesis
361103	Rai17,Zmiz1	zinc finger, MIZ-type containing 1	GO:0003007	heart morphogenesis
81507	Bmpr1a	bone morphogenetic protein receptor, type IA	GO:0003007	heart morphogenesis
25023	Pkcb,Prkcb,Prkcb1	protein kinase C, beta	GO:0042393	histone binding
29219	MGC105443,Snca	synuclein, alpha (non A4 component of amyloid precursor)	GO:0042393	histone binding

294408	Asf1a	ASF1 anti-silencing function 1 homolog A (<i>S. cerevisiae</i>)	GO:0042393	histone binding
300320	L3mbtl2,MGC124862	l(3)mbt-like 2 (<i>Drosophila</i>)	GO:0042393	histone binding
306817	Dek,MGC94795	DEK oncogene	GO:0042393	histone binding
308939	Ipo7	importin 7	GO:0042393	histone binding
361815	MGC116114,Rnf8	ring finger protein 8	GO:0042393	histone binding
365755	RGD1560053,Tbl1xr1	transducin (beta)-like 1 X-linked receptor 1	GO:0042393	histone binding
313507	Tal1	T-cell acute lymphocytic leukemia 1	GO:0000118	histone deacetylase complex
360801	Ncor2	nuclear receptor co-repressor 2	GO:0000118	histone deacetylase complex
365755	RGD1560053,Tbl1xr1	transducin (beta)-like 1 X-linked receptor 1	GO:0000118	histone deacetylase complex
60563	Hr	hairless	GO:0000118	histone deacetylase complex
500538	Byb1,Cbfa,Dbpb,Ef1a,Msy1,Ns	Y box binding protein 1	GO:0071204	histone pre-mRNA 3'end processing complex
681062	MGC187387,Slbp	stem-loop binding protein	GO:0071204	histone pre-mRNA 3'end processing complex
24333	Eno1	enolase 1, (alpha)	GO:0001701	in utero embryonic development
24379	Gad1,Gad67	glutamate decarboxylase 1	GO:0001701	in utero embryonic development
24392	Cx43,Gja1,MGC93610	gap junction protein, alpha 1	GO:0001701	in utero embryonic development
24629	Pdgfrb	platelet derived growth factor receptor, beta polypeptide	GO:0001701	in utero embryonic development
24851	Alpha-tm,Tma2,Tmsa,Tpm1	tropomyosin 1, alpha	GO:0001701	in utero embryonic development
25478	Man2a1,Mana2,Manno	mannosidase, alpha, class 2A, member 1	GO:0001701	in utero embryonic development
29591	MGC93659,Tgfb1	transforming growth factor, beta receptor 1	GO:0001701	in utero embryonic development
301555	Cul3,MGC189292	cullin 3	GO:0001701	in utero embryonic development
304486	RGD1566266,Tctn1	tectonic family member 1	GO:0001701	in utero embryonic development
306347	Ell	elongation factor RNA polymerase II	GO:0001701	in utero embryonic development
307724	RGD1311099,Rpgrip1l	Rpgrip1-like	GO:0001701	in utero embryonic development
309680	Dnmt3l	DNA (cytosine-5-)-methyltransferase 3-like	GO:0001701	in utero embryonic development
360801	Ncor2	nuclear receptor co-repressor 2	GO:0001701	in utero embryonic development
361103	Rai17,Zmiz1	zinc finger, MIZ-type containing 1	GO:0001701	in utero embryonic development
500538	Byb1,Cbfa,Dbpb,Ef1a,Msy1,Ns	Y box binding protein 1	GO:0001701	in utero embryonic development
81507	Bmpr1a	bone morphogenetic protein receptor, type IA	GO:0001701	in utero embryonic development
83502	Cdh1	cadherin 1	GO:0001701	in utero embryonic development
116720	Pik3c2g	phosphoinositide-3-kinase, class 2, gamma polypeptide	GO:0004428	inositol or phosphatidylinositol kinase activity
170911	MGC116320,Pik3ca	phosphoinositide-3-kinase, catalytic, alpha polypeptide	GO:0004428	inositol or phosphatidylinositol kinase activity
366508	Pik3cd	phosphoinositide-3-kinase, catalytic, delta polypeptide	GO:0004428	inositol or phosphatidylinositol kinase activity
116699	Inpp4b	inositol polyphosphate-4-phosphatase, type II	562	Inositol phosphate metabolism
116720	Pik3c2g	phosphoinositide-3-kinase, class 2, gamma polypeptide	562	Inositol phosphate metabolism
170911	MGC116320,Pik3ca	phosphoinositide-3-kinase, catalytic, alpha polypeptide	562	Inositol phosphate metabolism
171458	Impk,lpk2,lpmk	inositol polyphosphate multikinase	562	Inositol phosphate metabolism
366508	Pik3cd	phosphoinositide-3-kinase, catalytic, delta polypeptide	562	Inositol phosphate metabolism
54260	Itpkb	inositol 1,4,5-trisphosphate 3-kinase B	562	Inositol phosphate metabolism
65038	Inpp1,Ship2	inositol polyphosphate phosphatase-like 1	562	Inositol phosphate metabolism
84018	Synj2	synaptojanin 2	562	Inositol phosphate metabolism
65038	Inpp1,Ship2	inositol polyphosphate phosphatase-like 1	GO:0004445	inositol-polyphosphate 5-phosphatase activity
84018	Synj2	synaptojanin 2	GO:0004445	inositol-polyphosphate 5-phosphatase activity
116477	Hsn2,Prkwnk1,Wnk1	WNK lysine deficient protein kinase 1	GO:0005626	insoluble fraction
192253	Myo16,Myr8	myosin XVI	GO:0005626	insoluble fraction
24333	Eno1	enolase 1, (alpha)	GO:0005626	insoluble fraction
252916	R,Rab38,Ruby	RAB38, member RAS oncogene family	GO:0005626	insoluble fraction
29154	Capn2	calpain 2	GO:0005626	insoluble fraction

64862	MGC93422,Map1lc3,Map1lc3l	microtubule-associated protein 1 light chain 3 beta	GO:0005626	insoluble fraction
84018	Synj2	synaptojanin 2	GO:0005626	insoluble fraction
116470	Stx1a	syntaxin 1A (brain)	GO:0043229	intracellular organelle
25012	MGC105414,SNAP-25B,Snap2	synaptosomal-associated protein 25	GO:0043229	intracellular organelle
25716	P65,Syt1	synaptotagmin I	GO:0043229	intracellular organelle
114856	3CH134,CL100,Dusp1,MKP-1,l	dual specificity phosphatase 1	GO:0035556	intracellular signal transduction
116564	GC-B,NPR-B,Npr2	natriuretic peptide receptor B/guanylate cyclase B (atrionatriuretic pept	GO:0035556	intracellular signal transduction
25023	Pkcb,Prkcb,Prkcb1	protein kinase C, beta	GO:0035556	intracellular signal transduction
25202	Gucy1b1,Gucy1b3,MGC93604	guanylate cyclase 1, soluble, beta 3	GO:0035556	intracellular signal transduction
25402	Casp3,Lice,MGC93645	caspase 3	GO:0035556	intracellular signal transduction
291130	Dcdc2	doublecortin domain containing 2	GO:0035556	intracellular signal transduction
293693	Cdc42bpg,RGD1307260	CDC42 binding protein kinase gamma (DMPK-like)	GO:0035556	intracellular signal transduction
303584	MGC94075,Plekhh1	pleckstrin homology domain containing, family M (with RUN domain) m	GO:0035556	intracellular signal transduction
305464	Depdc5	DEP domain containing 5	GO:0035556	intracellular signal transduction
307098	MGC114559,Net1	neuroepithelial cell transforming 1	GO:0035556	intracellular signal transduction
311730	Gpr155	G protein-coupled receptor 155	GO:0035556	intracellular signal transduction
316023	Dcamk13,Dclk3,RGD1309232	doublecortin-like kinase 3	GO:0035556	intracellular signal transduction
360573	Ksr,Ksr1	kinase suppressor of ras 1	GO:0035556	intracellular signal transduction
499356	Blnk,MGC112831	B-cell linker	GO:0035556	intracellular signal transduction
500133	Nod1,RGD1562269	nucleotide-binding oligomerization domain containing 1	GO:0035556	intracellular signal transduction
58844	Grb14	growth factor receptor bound protein 14	GO:0035556	intracellular signal transduction
29393	COL1A1,Col1a1	collagen, type I, alpha 1	GO:0001957	intramembranous ossification
81686	Mmp2	matrix metalloproteinase 2	GO:0001957	intramembranous ossification
116490	Sna,Snai1	snail homolog 1 (Drosophila)	GO:0019900	kinase binding
24708	Rb1	retinoblastoma 1	GO:0019900	kinase binding
25404	Cav,Cav1,MGC187299	caveolin 1, caveolae protein	GO:0019900	kinase binding
29542	HCNP,Pbp,Pebp1,Rkip	phosphatidylethanolamine binding protein 1	GO:0019900	kinase binding
301574	Cab39	calcium binding protein 39	GO:0019900	kinase binding
313729	Errfi1,RGD1307599,Ralt,Xxx,g	ERBB receptor feedback inhibitor 1	GO:0019900	kinase binding
313874	Rasgrp3	RAS guanyl releasing protein 3 (calcium and DAG-regulated)	GO:0019900	kinase binding
114115	P2X2,P2rx2	purinergic receptor P2X, ligand-gated ion channel, 2	GO:0015276	ligand-gated ion channel activity
308016	Clca21,Clca5	chloride channel calcium activated 5	GO:0015276	ligand-gated ion channel activity
24392	Cx43,Gja1,MGC93610	gap junction protein, alpha 1	GO:0060174	limb bud formation
296787	MGC189535,Sema3c	sema domain, immunoglobulin domain (Ig), short basic domain, secre	GO:0060174	limb bud formation
24379	Gad1,Gad67	glutamate decarboxylase 1	GO:0035108	limb morphogenesis
307724	RGD1311099,Rpgrip1l	Rpgrip1-like	GO:0035108	limb morphogenesis
312781	Lrp6	low density lipoprotein receptor-related protein 6	GO:0035108	limb morphogenesis
24174	Adra2b	adrenergic, alpha-2B-, receptor	GO:0000165	MAPKKK cascade
25404	Cav,Cav1,MGC187299	caveolin 1, caveolae protein	GO:0000165	MAPKKK cascade
25671	Madh1,Smad1	SMAD family member 1	GO:0000165	MAPKKK cascade
29542	HCNP,Pbp,Pebp1,Rkip	phosphatidylethanolamine binding protein 1	GO:0000165	MAPKKK cascade
54260	Itpkb	inositol 1,4,5-trisphosphate 3-kinase B	GO:0000165	MAPKKK cascade
84489	Fgfr3	fibroblast growth factor receptor 3	GO:0000165	MAPKKK cascade
299180	Med6	mediator complex subunit 6	GO:0016592	mediator complex
303403	Med13,Thrap1	mediator complex subunit 13	GO:0016592	mediator complex
306030	Med4,Vdrip	mediator complex subunit 4	GO:0016592	mediator complex
360743	Med15,Pcqap	mediator complex subunit 15	GO:0016592	mediator complex

619436	Med24,Thrap4	mediator complex subunit 24	GO:0016592	mediator complex
291328	Slc39a12	solute carrier family 39 (zinc transporter), member 12	GO:0046873	metal ion transmembrane transporter activity
295455	MGC108852,Slc39a8	solute carrier family 39 (zinc transporter), member 8	GO:0046873	metal ion transmembrane transporter activity
361986	Slc39a12	solute carrier family 39 (zinc transporter), member 1	GO:0046873	metal ion transmembrane transporter activity
287656	Mrpl45	mitochondrial ribosomal protein L45	GO:0005744	mitochondrial inner membrane presequence translocase complex
54312	MGC93478,Timm23	translocase of inner mitochondrial membrane 23 homolog (yeast)	GO:0005744	mitochondrial inner membrane presequence translocase complex
291441	RGD1310784,Ska1	spindle and kinetochore associated complex subunit 1	GO:0000090	mitotic anaphase
296284	Kif3b	kinesin family member 3B	GO:0000090	mitotic anaphase
301555	Cul3,MGC189292	cullin 3	GO:0000090	mitotic anaphase
290046	Hnrnpc,Hnrpc,MGC114359,hn	heterogeneous nuclear ribonucleoprotein C (C1/C2)	GO:0003729	mRNA binding
360726	Fytd1,RGD1306899	forty-two-three domain containing 1	GO:0003729	mRNA binding
362152	Hnrnpa3,Hnrpa3	heterogeneous nuclear ribonucleoprotein A3	GO:0003729	mRNA binding
500409	Esrp1,RGD1560481	epithelial splicing regulatory protein 1	GO:0003729	mRNA binding
500538	Byb1,Cbfa,Dbpb,Ef1a,Msy1,Ns	Y box binding protein 1	GO:0003729	mRNA binding
681062	MGC187387,Slbp	stem-loop binding protein	GO:0003729	mRNA binding
29659	P2rx4	purinergic receptor P2X, ligand-gated ion channel 4	GO:0010614	negative regulation of cardiac muscle hypertrophy
58815	Glr3,MGC105380,PICOT,Txnl	glutaredoxin 3	GO:0010614	negative regulation of cardiac muscle hypertrophy
498416	Grb10,RGD1566234	growth factor receptor bound protein 10	GO:0046627	negative regulation of insulin receptor signaling pathway
500538	Byb1,Cbfa,Dbpb,Ef1a,Msy1,Ns	Y box binding protein 1	GO:0046627	negative regulation of insulin receptor signaling pathway
58844	Grb14	growth factor receptor bound protein 14	GO:0046627	negative regulation of insulin receptor signaling pathway
65038	Inpp1,Ship2	inositol polyphosphate phosphatase-like 1	GO:0046627	negative regulation of insulin receptor signaling pathway
29219	MGC105443,Snca	synuclein, alpha (non A4 component of amyloid precursor)	GO:0010642	negative regulation of platelet-derived growth factor receptor signaling pathway
59114	Slc9a3r1	solute carrier family 9 (sodium/hydrogen exchanger), member 3 regulat	GO:0010642	negative regulation of platelet-derived growth factor receptor signaling pathway
65038	Inpp1,Ship2	inositol polyphosphate phosphatase-like 1	GO:0010642	negative regulation of platelet-derived growth factor receptor signaling pathway
29581	Htr2b	5-hydroxytryptamine (serotonin) receptor 2B	GO:0014033	neural crest cell differentiation
312781	Lrp6	low density lipoprotein receptor-related protein 6	GO:0014033	neural crest cell differentiation
171458	Impk,lpk2,lpmk	inositol polyphosphate multikinase	GO:0001841	neural tube formation
304486	RGD1566266,Tctn1	tectonic family member 1	GO:0001841	neural tube formation
24379	Gad1,Gad67	glutamate decarboxylase 1	GO:0044306	neuron projection terminus
24590	CD10,MGC93576,Mme1,Nep	membrane metallo endopeptidase	GO:0044306	neuron projection terminus
170956	Yt521,Ythdc1	YTH domain containing 1	GO:0016604	nuclear body
309626	MGC112563,Ring1	ring finger protein 1	GO:0016604	nuclear body
360801	Ncor2	nuclear receptor co-repressor 2	GO:0016604	nuclear body
54244	RTS2,CBP,Crebbp,RSTS	CREB binding protein	GO:0016604	nuclear body
60563	Hr	hairless	GO:0016604	nuclear body
117048	Cdh17	cadherin 17	GO:0006857	oligopeptide transport
246280	MGC105315,Slc15a4	solute carrier family 15, member 4	GO:0006857	oligopeptide transport
60577	MGC91625,Slc15a2	solute carrier family 15 (H+/peptide transporter), member 2	GO:0006857	oligopeptide transport
116720	Pik3c2g	phosphoinositide-3-kinase, class 2, gamma polypeptide	GO:0005942	phosphatidylinositol 3-kinase complex
170911	MGC116320,Pik3ca	phosphoinositide-3-kinase, catalytic, alpha polypeptide	GO:0005942	phosphatidylinositol 3-kinase complex
366508	Pik3cd	phosphoinositide-3-kinase, catalytic, delta polypeptide	GO:0005942	phosphatidylinositol 3-kinase complex
116720	Pik3c2g	phosphoinositide-3-kinase, class 2, gamma polypeptide	GO:0046854	phosphatidylinositol phosphorylation
170911	MGC116320,Pik3ca	phosphoinositide-3-kinase, catalytic, alpha polypeptide	GO:0046854	phosphatidylinositol phosphorylation
366508	Pik3cd	phosphoinositide-3-kinase, catalytic, delta polypeptide	GO:0046854	phosphatidylinositol phosphorylation
116699	Inpp4b	inositol polyphosphate-4-phosphatase, type II	4070	Phosphatidylinositol signaling system
116720	Pik3c2g	phosphoinositide-3-kinase, class 2, gamma polypeptide	4070	Phosphatidylinositol signaling system
170911	MGC116320,Pik3ca	phosphoinositide-3-kinase, catalytic, alpha polypeptide	4070	Phosphatidylinositol signaling system

25023	Pkcb,Prkcb,Prkcb1	protein kinase C, beta	4070	Phosphatidylinositol signaling system
366508	Pik3cd	phosphoinositide-3-kinase, catalytic, delta polypeptide	4070	Phosphatidylinositol signaling system
54260	Itpkb	inositol 1,4,5-trisphosphate 3-kinase B	4070	Phosphatidylinositol signaling system
65038	Inpp1,Ship2	inositol polyphosphate phosphatase-like 1	4070	Phosphatidylinositol signaling system
688705	Dgki,rDGKi-3	diacylglycerol kinase, iota	4070	Phosphatidylinositol signaling system
84018	Synj2	synaptojanin 2	4070	Phosphatidylinositol signaling system
170911	MGC116320,Pik3ca	phosphoinositide-3-kinase, catalytic, alpha polypeptide	GO:0046934	phosphatidylinositol-4,5-bisphosphate 3-kinase activity
366508	Pik3cd	phosphoinositide-3-kinase, catalytic, delta polypeptide	GO:0046934	phosphatidylinositol-4,5-bisphosphate 3-kinase activity
24333	Eno1	enolase 1, (alpha)	GO:0004634	phosphopyruvate hydratase activity
292138	Eno4,RGD1308333	enolase 4	GO:0004634	phosphopyruvate hydratase activity
24333	Eno1	enolase 1, (alpha)	GO:0000015	phosphopyruvate hydratase complex
292138	Eno4,RGD1308333	enolase 4	GO:0000015	phosphopyruvate hydratase complex
114115	P2X2,P2rx2	purinergic receptor P2X, ligand-gated ion channel, 2	GO:0005886	plasma membrane
114520	Gs2na,Sg2na,Strn3	striatin, calmodulin binding protein 3	GO:0005886	plasma membrane
116470	Stx1a	syntaxin 1A (brain)	GO:0005886	plasma membrane
116564	GC-B,NPR-B,Npr2	natriuretic peptide receptor B/guanylate cyclase B (atrionatriuretic pept	GO:0005886	plasma membrane
116693	Sec73,Cyth3,MGC124579,Psc	cytohesin 3	GO:0005886	plasma membrane
116720	Pik3c2g	phosphoinositide-3-kinase, class 2, gamma polypeptide	GO:0005886	plasma membrane
117048	Cdh17	cadherin 17	GO:0005886	plasma membrane
140473	Ccbp2,D6,MGC105345	chemokine binding protein 2	GO:0005886	plasma membrane
140734	Dlc2,Dynl12,MGC72334	dynein light chain LC8-type 2	GO:0005886	plasma membrane
170567	Ata1,GlnT,Sat11,Slc38a1	solute carrier family 38, member 1	GO:0005886	plasma membrane
171447	Cirl-2,Cirl2,Ci2ac,Lphn2	latrophilin 2	GO:0005886	plasma membrane
192251	Gpr149,Ieda	G protein-coupled receptor 149	GO:0005886	plasma membrane
192253	Myo16,Myr8	myosin XVI	GO:0005886	plasma membrane
24174	Adra2b	adrenergic, alpha-2B-, receptor	GO:0005886	plasma membrane
24211	Atp1a1,Nkaa1b	ATPase, Na+/K+ transporting, alpha 1 polypeptide	GO:0005886	plasma membrane
24212	Atp1a2,RATATPA2	ATPase, Na+/K+ transporting, alpha 2 polypeptide	GO:0005886	plasma membrane
24214	ATPB2,ATPB2S,Amog,Atp1b2,	ATPase, Na+/K+ transporting, beta 2 polypeptide	GO:0005886	plasma membrane
24333	Eno1	enolase 1, (alpha)	GO:0005886	plasma membrane
24392	Cx43,Gja1,MGC93610	gap junction protein, alpha 1	GO:0005886	plasma membrane
24415	Grm2	glutamate receptor, metabotropic 2	GO:0005886	plasma membrane
24416	Grm3,mGluR3	glutamate receptor, metabotropic 3	GO:0005886	plasma membrane
24590	CD10,MGC93576,Mme1,Nep	membrane metallo endopeptidase	GO:0005886	plasma membrane
24629	Pdgfrb	platelet derived growth factor receptor, beta polypeptide	GO:0005886	plasma membrane
246302	Clp55,Pcyox1	prenylcysteine oxidase 1	GO:0005886	plasma membrane
24686	PrP,Prn,Prnp	prion protein	GO:0005886	plasma membrane
24771	RATRYUDOCA,RYUDOCA,Sdc4	syndecan 4	GO:0005886	plasma membrane
24785	Nhe4,Slc9a4	solute carrier family 9 (sodium/hydrogen exchanger), member 4	GO:0005886	plasma membrane
24805	RATSYNII,SYNII,Syt2	synaptotagmin II	GO:0005886	plasma membrane
25012	MGC105414,SNAP-25B,Snap2	synaptosomal-associated protein 25	GO:0005886	plasma membrane
25023	Pkcb,Prkcb,Prkcb1	protein kinase C, beta	GO:0005886	plasma membrane
25054	Ntrk2,RATTRKB1,TRKB1,Tkrb,	neurotrophic tyrosine kinase, receptor, type 2	GO:0005886	plasma membrane
25097	Pld2,Pldc	phospholipase D2	GO:0005886	plasma membrane
25113	Ddn,Den	dendrin	GO:0005886	plasma membrane
25230	Add3	adducin 3 (gamma)	GO:0005886	plasma membrane
25402	Casp3,Lice,MGC93645	caspase 3	GO:0005886	plasma membrane

25404	Cav,Cav1,MGC187299	caveolin 1, caveolae protein	GO:0005886	plasma membrane
25560	Abcc9,Sur2	ATP-binding cassette, subfamily C (CFTR/MRP), member 9	GO:0005886	plasma membrane
25648	Atrc1,CAT1,Cat-1,Slc7a1	solute carrier family 7 (cationic amino acid transporter, y+ system), member 7	GO:0005886	plasma membrane
25716	P65,Syt1	synaptotagmin I	GO:0005886	plasma membrane
282581	Fzd6	frizzled homolog 6 (Drosophila)	GO:0005886	plasma membrane
286981	Vom2r32	vomer nasal 2 receptor, 32	GO:0005886	plasma membrane
287532	RGD1305819,Slc43a2	solute carrier family 43, member 2	GO:0005886	plasma membrane
288908	Cc2d1a,RGD1306108	coiled-coil and C2 domain containing 1A	GO:0005886	plasma membrane
289175	MGC124887,Slc19a2	solute carrier family 19 (thiamine transporter), member 2	GO:0005886	plasma membrane
289546	Desc4,RGD1306446	similar to RIKEN cDNA 9930032O22 gene	GO:0005886	plasma membrane
29154	Capn2	calpain 2	GO:0005886	plasma membrane
29163	Cdh9	cadherin 9	GO:0005886	plasma membrane
29219	MGC105443,Snca	synuclein, alpha (non A4 component of amyloid precursor)	GO:0005886	plasma membrane
29263	Acvr2,Acvr2a,rActr-II	activin A receptor, type IIA	GO:0005886	plasma membrane
29393	COL1A1,Col1a1	collagen, type I, alpha 1	GO:0005886	plasma membrane
294324	Agpat3	1-acylglycerol-3-phosphate O-acyltransferase 3	GO:0005886	plasma membrane
295382	Ntng1,RGD1563465	netrin G1	GO:0005886	plasma membrane
29553	Kcnk3,Task-1,rTASK	potassium channel, subfamily K, member 3	GO:0005886	plasma membrane
29581	Htr2b	5-hydroxytryptamine (serotonin) receptor 2B	GO:0005886	plasma membrane
29659	P2rx4	purinergic receptor P2X, ligand-gated ion channel 4	GO:0005886	plasma membrane
296603	Vav2	vav 2 guanine nucleotide exchange factor	GO:0005886	plasma membrane
296648	Mapkap1	mitogen-activated protein kinase associated protein 1	GO:0005886	plasma membrane
296851	Pon2	paraoxonase 2	GO:0005886	plasma membrane
29705	Gabra1	gamma-aminobutyric acid (GABA) A receptor, alpha 1	GO:0005886	plasma membrane
301086	Xcr1	chemokine (C motif) receptor 1	GO:0005886	plasma membrane
303214	MGC93671,Trim16	tripartite motif-containing 16	GO:0005886	plasma membrane
304103	Olig2	oligodendrocyte lineage transcription factor 2	GO:0005886	plasma membrane
304547	RGD1310813,Tchp	trichoplein, keratin filament binding	GO:0005886	plasma membrane
304982	IgSF9	immunoglobulin superfamily, member 9	GO:0005886	plasma membrane
306487	Atip3b,Mtsg1,Mtus1	mitochondrial tumor suppressor 1	GO:0005886	plasma membrane
308016	Clca21,Clca5	chloride channel calcium activated 5	GO:0005886	plasma membrane
308667	Nipa2,RGD1306051	non imprinted in Prader-Willi/Angelman syndrome 2 homolog (human)	GO:0005886	plasma membrane
310207	Sema5a	sema domain, seven thrombospondin repeats (type 1 and type 1-like), type 5	GO:0005886	plasma membrane
312052	Steap2	six transmembrane epithelial antigen of the prostate 2	GO:0005886	plasma membrane
312781	Lrp6	low density lipoprotein receptor-related protein 6	GO:0005886	plasma membrane
313729	Errfi1,RGD1307599,Ralt,Xxx,g	ERBB receptor feedback inhibitor 1	GO:0005886	plasma membrane
315461	Il1rl1,MGC108769,Tmed1	transmembrane emp24 protein transport domain containing 1	GO:0005886	plasma membrane
361251	Elmo1	engulfment and cell motility 1	GO:0005886	plasma membrane
361618	Stim1	stromal interaction molecule 1	GO:0005886	plasma membrane
361986	Slc39a12	solute carrier family 39 (zinc transporter), member 12	GO:0005886	plasma membrane
362923	Efr3a,RGD1305976	EFR3 homolog A (S. cerevisiae)	GO:0005886	plasma membrane
362979	Panx2	pannexin 2	GO:0005886	plasma membrane
366508	Pik3cd	phosphoinositide-3-kinase, catalytic, delta polypeptide	GO:0005886	plasma membrane
393087	Pcdha5,rCNRv05	protocadherin alpha 5	GO:0005886	plasma membrane
394266	CXN-26,Cx26,Gjb2,MGC93804	gap junction protein, beta 2	GO:0005886	plasma membrane
444983	Apold1,Verge	apolipoprotein L domain containing 1	GO:0005886	plasma membrane
498281	Pvrl4,RGD1559826	poliovirus receptor-related 4	GO:0005886	plasma membrane

499356	Blnk,MGC112831	B-cell linker	GO:0005886	plasma membrane
499991	Steap4	STEAP family member 4	GO:0005886	plasma membrane
500040	Tes2	testis derived transcript	GO:0005886	plasma membrane
500409	Esrp1,RGD1560481	epithelial splicing regulatory protein 1	GO:0005886	plasma membrane
501005	Cplx3,RGD1560104	complexin 3	GO:0005886	plasma membrane
50563	Cx40,Gja5	gap junction protein, alpha 5	GO:0005886	plasma membrane
58813	MGC112615,Nt5,Nt5e	5' nucleotidase, ecto	GO:0005886	plasma membrane
58844	Grb14	growth factor receptor bound protein 14	GO:0005886	plasma membrane
58942	Cacnb4	calcium channel, voltage-dependent, beta 4 subunit	GO:0005886	plasma membrane
59114	Slc9a3r1	solute carrier family 9 (sodium/hydrogen exchanger), member 3 regulator	GO:0005886	plasma membrane
60449	Gnb3,MGC105437	guanine nucleotide binding protein (G protein), beta polypeptide 3	GO:0005886	plasma membrane
63889	Ptgdr1,Ptgdr2,Ptgdr1	prostaglandin D receptor-like	GO:0005886	plasma membrane
64199	Gng11	guanine nucleotide binding protein (G protein), gamma 11	GO:0005886	plasma membrane
64369	Ppap2a	phosphatidic acid phosphatase type 2A	GO:0005886	plasma membrane
64679	Dp11,Tgm4	transglutaminase 4 (prostate)	GO:0005886	plasma membrane
65038	Inpp1,Ship2	inositol polyphosphate phosphatase-like 1	GO:0005886	plasma membrane
65048	Fat2,Fath2	FAT tumor suppressor homolog 2 (Drosophila)	GO:0005886	plasma membrane
65180	Kcnd2,Kv4.2,RK5,Shal1	potassium voltage-gated channel, Shal-related subfamily, member 2	GO:0005886	plasma membrane
66026	Otrpc4,Trpv4,Vroac	transient receptor potential cation channel, subfamily V, member 4	GO:0005886	plasma membrane
79113	Fgr	Gardner-Rasheed feline sarcoma viral (v-fgr) oncogene homolog	GO:0005886	plasma membrane
79120	Arf4	ADP-ribosylation factor 4	GO:0005886	plasma membrane
79123	Accn2,Asic1	amiloride-sensitive cation channel 2, neuronal	GO:0005886	plasma membrane
79209	Frk	fyn-related kinase	GO:0005886	plasma membrane
79557	Chrna1	cholinergic receptor, nicotinic, alpha 1 (muscle)	GO:0005886	plasma membrane
81507	Bmpr1a	bone morphogenetic protein receptor, type IA	GO:0005886	plasma membrane
81686	Mmp2	matrix metalloproteinase 2	GO:0005886	plasma membrane
81818	Vim	vimentin	GO:0005886	plasma membrane
83502	Cdh1	cadherin 1	GO:0005886	plasma membrane
83526	Atrn	attractin	GO:0005886	plasma membrane
83529	Vdac1	voltage-dependent anion channel 1	GO:0005886	plasma membrane
83580	Thbd	thrombomodulin	GO:0005886	plasma membrane
84018	Synj2	synaptojanin 2	GO:0005886	plasma membrane
84489	Fgfr3	fibroblast growth factor receptor 3	GO:0005886	plasma membrane
114856	3CH134,CL100,Dusp1,MKP-1,It	dual specificity phosphatase 1	GO:0045768	positive regulation of anti-apoptosis
24499	IL6R1,IL6r,IL6ra	interleukin 6 receptor	GO:0045768	positive regulation of anti-apoptosis
24629	Pdgfrb	platelet derived growth factor receptor, beta polypeptide	GO:0045768	positive regulation of anti-apoptosis
25404	Cav,Cav1,MGC187299	caveolin 1, caveolae protein	GO:0045768	positive regulation of anti-apoptosis
25671	Madh1,Smad1	SMAD family member 1	GO:0045768	positive regulation of anti-apoptosis
24356	Ets-11,Ets1,Etsonc,MGC1246	v-ets erythroblastosis virus E26 oncogene homolog 1 (avian)	GO:0045648	positive regulation of erythrocyte differentiation
29263	Acvr2,Acvr2a,rActR-II	activin A receptor, type IIA	GO:0045648	positive regulation of erythrocyte differentiation
313507	Tal1	T-cell acute lymphocytic leukemia 1	GO:0045648	positive regulation of erythrocyte differentiation
25301	C/EBP,CEBP RNA,Cebpg	CCAAT/enhancer binding protein (C/EBP), gamma	GO:0045078	positive regulation of interferon-gamma biosynthetic process
315716	B7RP-2,B7h3,Cd276	Cd276 molecule	GO:0045078	positive regulation of interferon-gamma biosynthetic process
116470	Stx1a	syntaxin 1A (brain)	GO:0001956	positive regulation of neurotransmitter secretion
29219	MGC105443,Snca	synuclein, alpha (non A4 component of amyloid precursor)	GO:0001956	positive regulation of neurotransmitter secretion
171075	CD23,Fcer2,Fcer2a,MGC93215	Fc fragment of IgE, low affinity II, receptor for (CD23)	GO:0051000	positive regulation of nitric-oxide synthase activity
29581	Htr2b	5-hydroxytryptamine (serotonin) receptor 2B	GO:0051000	positive regulation of nitric-oxide synthase activity

29142	MGC114385,Tiff66,Vnn1	vanin 1	GO:0033089	positive regulation of T cell differentiation in thymus
294797	Il7r	interleukin 7 receptor	GO:0033089	positive regulation of T cell differentiation in thymus
116477	Hsn2,Prkwnk1,Wnk1	WNK lysine deficient protein kinase 1	GO:0019870	potassium channel inhibitor activity
171552	Pprf18,Prpf18	PRP18 pre-mRNA processing factor 18 homolog (<i>S. cerevisiae</i>)	GO:0019870	potassium channel inhibitor activity
24211	Atp1a1,Nkaa1b	ATPase, Na ⁺ /K ⁺ transporting, alpha 1 polypeptide	GO:0010107	potassium ion import
25560	Abcc9,Sur2	ATP-binding cassette, subfamily C (CFTR/MRP), member 9	GO:0010107	potassium ion import
24771	RATRYUDOCA,RYUDOCA,Sdc4	syndecan 4	GO:0005080	protein kinase C binding
25023	Pkcb,Prkcb,Prkcb1	protein kinase C, beta	GO:0005080	protein kinase C binding
25097	Pld2,Pldc	phospholipase D2	GO:0005080	protein kinase C binding
25230	Add3	adducin 3 (gamma)	GO:0005080	protein kinase C binding
58815	Glxr3,MGC105380,PICOT,Txnl	glutaredoxin 3	GO:0005080	protein kinase C binding
24914	H-rev142,Lox,Rrg1	lysyl oxidase	GO:0004720	protein-lysine 6-oxidase activity
309380	Loxl4	lysyl oxidase-like 4	GO:0004720	protein-lysine 6-oxidase activity
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
25716	P65,Syt1	synaptotagmin I	GO:0017158	regulation of calcium ion-dependent exocytosis
29211	Spnb3,Sptbn2	spectrin, beta, non-erythrocytic 2	GO:0017158	regulation of calcium ion-dependent exocytosis
300754	Bbs4	Bardet-Biedl syndrome 4	GO:0032465	regulation of cytokinesis
361634	Cp110,RGD1310509	CP110 protein	GO:0032465	regulation of cytokinesis
25255	Dyrk,Dyrk1a,PSK47	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1A	GO:0030100	regulation of endocytosis
287709	Rab5c	RAB5C, member RAS oncogene family	GO:0030100	regulation of endocytosis
60443	Epn2	epsin 2	GO:0030100	regulation of endocytosis
114514	Clasp2	cytoplasmic linker associated protein 2	GO:0031110	regulation of microtubule polymerization or depolymerization
291441	RGD1310784,Ska1	spindle and kinetochore associated complex subunit 1	GO:0031110	regulation of microtubule polymerization or depolymerization
24415	Grm2	glutamate receptor, metabotropic 2	GO:0046928	regulation of neurotransmitter secretion
25054	Ntrk2,RATTRKB1,TRKB1,Tkrb,	neurotrophic tyrosine kinase, receptor, type 2	GO:0046928	regulation of neurotransmitter secretion
29219	MGC105443,Snca	synuclein, alpha (non A4 component of amyloid precursor)	GO:0046928	regulation of neurotransmitter secretion
307309	Sncaip,Syph1	synuclein, alpha interacting protein	GO:0046928	regulation of neurotransmitter secretion
501005	Cplx3,RGD1560104	complexin 3	GO:0046928	regulation of neurotransmitter secretion
304486	RGD1566266,Tctn1	tectonic family member 1	GO:0008589	regulation of smoothed signaling pathway
307724	RGD1311099,Rpgrip1l	Rpgrip1-like	GO:0008589	regulation of smoothed signaling pathway
367242	Rab23	RAB23, member RAS oncogene family	GO:0008589	regulation of smoothed signaling pathway
24211	Atp1a1,Nkaa1b	ATPase, Na ⁺ /K ⁺ transporting, alpha 1 polypeptide	GO:0002026	regulation of the force of heart contraction
24212	Atp1a2,RATATPA2	ATPase, Na ⁺ /K ⁺ transporting, alpha 2 polypeptide	GO:0002026	regulation of the force of heart contraction
29542	HCNP,Pbp,Pepp1,Rkip	phosphatidylethanolamine binding protein 1	GO:0002026	regulation of the force of heart contraction
58815	Glxr3,MGC105380,PICOT,Txnl	glutaredoxin 3	GO:0002026	regulation of the force of heart contraction
25648	Atrc1,CAT1,Cat-1,Slc7a1	solute carrier family 7 (cationic amino acid transporter, y ⁺ system), member 1	GO:0032006	regulation of TOR signaling cascade
305166	Agpat9,MGC114395	1-acylglycerol-3-phosphate O-acyltransferase 9	GO:0032006	regulation of TOR signaling cascade
25054	Ntrk2,RATTRKB1,TRKB1,Tkrb,	neurotrophic tyrosine kinase, receptor, type 2	GO:0046548	retinal rod cell development
300754	Bbs4	Bardet-Biedl syndrome 4	GO:0046548	retinal rod cell development
299180	Med6	mediator complex subunit 6	GO:0016455	RNA polymerase II transcription mediator activity
303403	Med13,Thrap1	mediator complex subunit 13	GO:0016455	RNA polymerase II transcription mediator activity
306030	Med4,Vdrip	mediator complex subunit 4	GO:0016455	RNA polymerase II transcription mediator activity
360743	Med15,Pcqap	mediator complex subunit 15	GO:0016455	RNA polymerase II transcription mediator activity
619436	Med24,Thrap4	mediator complex subunit 24	GO:0016455	RNA polymerase II transcription mediator activity
498416	Grb10,RGD1566234	growth factor receptor bound protein 10	GO:0005070	SH3/SH2 adaptor activity
499356	Blnk,MGC112831	B-cell linker	GO:0005070	SH3/SH2 adaptor activity

58844	Grb14	growth factor receptor bound protein 14	GO:0005070	SH3/SH2 adaptor activity
24629	Pdgfrb	platelet derived growth factor receptor, beta polypeptide	GO:0048705	skeletal system morphogenesis
29393	COL1A1,Col1a1	collagen, type I, alpha 1	GO:0048705	skeletal system morphogenesis
29591	MGC93659,Tgfbr1	transforming growth factor, beta receptor 1	GO:0048705	skeletal system morphogenesis
312781	Lrp6	low density lipoprotein receptor-related protein 6	GO:0048705	skeletal system morphogenesis
81686	Mmp2	matrix metalloproteinase 2	GO:0048705	skeletal system morphogenesis
29393	COL1A1,Col1a1	collagen, type I, alpha 1	GO:0043589	skin morphogenesis
313729	Errfi1,RGD1307599,Ralt,Xxx,g	ERBB receptor feedback inhibitor 1	GO:0043589	skin morphogenesis
25012	MGC105414,SNAP-25B,Snap2	synaptosomal-associated protein 25	GO:0030431	sleep
314322	Fos,c-fos	FBJ osteosarcoma oncogene	GO:0030431	sleep
63889	Ptgdr1,Ptgdr2,Ptgdr1	prostaglandin D receptor-like	GO:0030431	sleep
116470	Stx1a	syntaxin 1A (brain)	GO:0000149	SNARE binding
25012	MGC105414,SNAP-25B,Snap2	synaptosomal-associated protein 25	GO:0000149	SNARE binding
25404	Cav,Cav1,MGC187299	caveolin 1, caveolae protein	GO:0000149	SNARE binding
501005	Cplx3,RGD1560104	complexin 3	GO:0000149	SNARE binding
24211	Atp1a1,Nkaa1b	ATPase, Na+/K+ transporting, alpha 1 polypeptide	GO:0005391	sodium:potassium-exchanging ATPase activity
24212	Atp1a2,RATATPA2	ATPase, Na+/K+ transporting, alpha 2 polypeptide	GO:0005391	sodium:potassium-exchanging ATPase activity
24214	ATPB2,ATPB2S,Amog,Atp1b2, ATPase, Na+/K+ transporting, beta 2 polypeptide		GO:0005391	sodium:potassium-exchanging ATPase activity
24854	APOJ,CLI,Clu,DAG,RATTRPM2I	clusterin	GO:0034366	spherical high-density lipoprotein particle
292697	Apoc2,RGD1560725	apolipoprotein C-II	GO:0034366	spherical high-density lipoprotein particle
117259	Sfrs10,Srsf10,Tra2b	transformer 2 beta homolog (Drosophila)	3040	Spliceosome
171552	Pprf18,Prpf18	PRP18 pre-mRNA processing factor 18 homolog (S. cerevisiae)	3040	Spliceosome
290046	Hnrnpc,Hnrpc,MGC114359,hn	heterogeneous nuclear ribonucleoprotein C (C1/C2)	3040	Spliceosome
294254	Hspa1b2,Hspa22,Hsp70-2,Hsp	heat shock 70kD protein 1B (mapped)	3040	Spliceosome
295607	Fnbp3,Prpf40a	PRP40 pre-mRNA processing factor 40 homolog A (S. cerevisiae)	3040	Spliceosome
298374	Prpf38a,RGD1311129	PRP38 pre-mRNA processing factor 38 (yeast) domain containing A	3040	Spliceosome
305479	Sf3a1	splicing factor 3a, subunit 1	3040	Spliceosome
307474	Tcerg1	transcription elongation regulator 1	3040	Spliceosome
309651	MGC116359,Ppil1	peptidylprolyl isomerase (cyclophilin)-like 1	3040	Spliceosome
361814	Sfrs3,Srsf3	splicing factor, arginine/serine-rich 3	3040	Spliceosome
362152	Hnrnpa3,Hnrpa3	heterogeneous nuclear ribonucleoprotein A3	3040	Spliceosome
363151	Ccdc12,RGD1306081	coiled-coil domain containing 12	3040	Spliceosome
85434	Cdc5l	CDC5 cell division cycle 5-like (S. pombe)	3040	Spliceosome
114100	MGC93101,Sc5d,Sc5dl	sterol-C5-desaturase (ERG3 delta-5-desaturase homolog, S. cerevisiae)-I	100	Steroid biosynthesis
25427	Cyp51,Cyp51a1,MGC93630,R	cytochrome P450, family 51	100	Steroid biosynthesis
266770	Acat-2,Soat2	sterol O-acyltransferase 2	100	Steroid biosynthesis
29230	Sqle	squalene epoxidase	100	Steroid biosynthesis
81681	Lss	lanosterol synthase (2,3-oxidosqualene-lanosterol cyclase)	100	Steroid biosynthesis
303403	Med13,Thrap1	mediator complex subunit 13	GO:0030518	steroid hormone receptor signaling pathway
306030	Med4,Vdrip	mediator complex subunit 4	GO:0030518	steroid hormone receptor signaling pathway
619436	Med24,Thrap4	mediator complex subunit 24	GO:0030518	steroid hormone receptor signaling pathway
116470	Stx1a	syntaxin 1A (brain)	GO:0016081	synaptic vesicle docking involved in exocytosis
29211	Spnb3,Sptbn2	spectrin, beta, non-erythrocytic 2	GO:0016081	synaptic vesicle docking involved in exocytosis
24805	RATSYNII,SYNII,Syt2	synaptotagmin II	GO:0016079	synaptic vesicle exocytosis
25716	P65,Syt1	synaptotagmin I	GO:0016079	synaptic vesicle exocytosis
29211	Spnb3,Sptbn2	spectrin, beta, non-erythrocytic 2	GO:0016079	synaptic vesicle exocytosis
501005	Cplx3,RGD1560104	complexin 3	GO:0016079	synaptic vesicle exocytosis

116470	Stx1a	syntaxin 1A (brain)	GO:0070044	synaptobrevin 2-SNAP-25-syntaxin-1a complex
25012	MGC105414,SNAP-25B, Snap2	synaptosomal-associated protein 25	GO:0070044	synaptobrevin 2-SNAP-25-syntaxin-1a complex
116470	Stx1a	syntaxin 1A (brain)	GO:0070032	synaptobrevin 2-SNAP-25-syntaxin-1a-complexin I complex
25012	MGC105414,SNAP-25B, Snap2	synaptosomal-associated protein 25	GO:0070032	synaptobrevin 2-SNAP-25-syntaxin-1a-complexin I complex
289175	MGC124887,Slc19a2	solute carrier family 19 (thiamine transporter), member 2	GO:0042723	thiamine-containing compound metabolic process
305889	MGC94155,Thtpa	thiamine triphosphatase	GO:0042723	thiamine-containing compound metabolic process
140938	Gt198,Psmc3ip,Tbpip	PSMC3 interacting protein	GO:0046966	thyroid hormone receptor binding
303403	Med13,Thrap1	mediator complex subunit 13	GO:0046966	thyroid hormone receptor binding
306030	Med4,Vdrip	mediator complex subunit 4	GO:0046966	thyroid hormone receptor binding
60563	Hr	hairless	GO:0046966	thyroid hormone receptor binding
619436	Med24,Thrap4	mediator complex subunit 24	GO:0046966	thyroid hormone receptor binding
303274	MGC109651,Phf12	PHD finger protein 12	GO:0017053	transcriptional repressor complex
360801	Ncor2	nuclear receptor co-repressor 2	GO:0017053	transcriptional repressor complex
365755	RGD1560053,Tbl1xr1	transducin (beta)-like 1 X-linked receptor 1	GO:0017053	transcriptional repressor complex
56011	Ywhab	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation pr	GO:0017053	transcriptional repressor complex
29743	Cic1,Ctp,MGC93247,Slc20a3,S	solute carrier family 25 (mitochondrial carrier, citrate transporter), mem	GO:0019432	triglyceride biosynthetic process
305166	Agpat9,MGC114395	1-acylglycerol-3-phosphate O-acyltransferase 9	GO:0019432	triglyceride biosynthetic process
309449	Elov3	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-li	GO:0019432	triglyceride biosynthetic process
315851	Elov4	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-li	GO:0019432	triglyceride biosynthetic process
406165	Agpat1,MGC94573	1-acylglycerol-3-phosphate O-acyltransferase 1 (lysophosphatidic acid ac	GO:0019432	triglyceride biosynthetic process
25566	E-Tmod,Tmod,Tmod1	tropomodulin 1	GO:0005523	tropomyosin binding
304816	Lmod1	leiomodulin 1 (smooth muscle)	GO:0005523	tropomyosin binding
50555	Ugt8,Ugt8a	UDP glycosyltransferase 8	GO:0008489	UDP-galactose:glucosylceramide beta-1.4-galactosyltransferase activity
65196	B4galt6	UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 6	GO:0008489	UDP-galactose:glucosylceramide beta-1.4-galactosyltransferase activity
309449	Elov3	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-li	GO:0042761	very long-chain fatty acid biosynthetic process
315851	Elov4	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-li	GO:0042761	very long-chain fatty acid biosynthetic process
246302	Clp55,Pcyox1	prenylcysteine oxidase 1	GO:0034361	very-low-density lipoprotein particle
286900	Sels,sg2	selenoprotein S	GO:0034361	very-low-density lipoprotein particle
292697	Apoc2,RGD1560725	apolipoprotein C-II	GO:0034361	very-low-density lipoprotein particle
116477	Hsn2,Prkwnk1,Wnk1	WNK lysine deficient protein kinase 1	GO:0042598	vesicular fraction
24805	RATSYNII,SYNII,Syt2	synaptotagmin II	GO:0042598	vesicular fraction
252916	R,Rab38,Ruby	RAB38, member RAS oncogene family	GO:0042598	vesicular fraction
312052	Steap2	six transmembrane epithelial antigen of the prostate 2	GO:0042598	vesicular fraction