

Entrez	Symbols	Name	TermID	TermDesc
25718	IGFIRC,Igf1r,JTK13	insulin-like growth factor 1 receptor	4520	Adherens junction
26955	Af6,Mllt4	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Dros	4520	Adherens junction
292994	Tjp1,ZO-1	tight junction protein 1	4520	Adherens junction
29357	MGC156656,Madh2,Smad2	SMAD family member 2	4520	Adherens junction
29591	MGC93659,Tgfbr1	transforming growth factor, beta receptor 1	4520	Adherens junction
29616	Ptpm	protein tyrosine phosphatase, receptor type, M	4520	Adherens junction
297357	Catna2,Ctnna2	catenin (cadherin associated protein), alpha 2	4520	Adherens junction
305679	Vcl	vinculin	4520	Adherens junction
311163	Catns,Ctnnd1	catenin (cadherin associated protein), delta 1	4520	Adherens junction
313121	Map3k7,Tak1	mitogen activated protein kinase kinase kinase 7	4520	Adherens junction
361598	Iqgap1	IQ motif containing GTPase activating protein 1	4520	Adherens junction
497961	Nlk,RGD1561602	nemo like kinase	4520	Adherens junction
498281	Pvrl4,RGD1559826	poliovirus receptor-related 4	4520	Adherens junction
63836	Actn4	actinin alpha 4	4520	Adherens junction
679869	Tcf7l2	transcription factor 7-like 2 (T-cell specific, HMG-box)	4520	Adherens junction
24239	Cacna1c,RATIVS302	calcium channel, voltage-dependent, L type, alpha 1C subunit	GO:0007628	adult walking behavior
24316	D1a,Drd-1,Drd11,Drd1a	dopamine receptor D1A	GO:0007628	adult walking behavior
25388	BARRES2,Arrb2,MGC105502	arrestin, beta 2	GO:0007628	adult walking behavior
25569	THR,TRH01,Trh	thyrotropin releasing hormone	GO:0007628	adult walking behavior
290567	Chat	choline acetyltransferase	GO:0007628	adult walking behavior
29545	Uchl1	ubiquitin carboxyl-terminal esterase L1 (ubiquitin thiolesterase)	GO:0007628	adult walking behavior
58942	Cacnb4	calcium channel, voltage-dependent, beta 4 subunit	GO:0007628	adult walking behavior
79257	Axin,Axin1	axin 1	GO:0007628	adult walking behavior
81574	Scn1a	sodium channel, voltage-gated, type I, alpha	GO:0007628	adult walking behavior
294503	Nodal	nodal homolog (mouse)	GO:0009948	anterior/posterior axis specification
304850	MGC114502,Rnf2	ring finger protein 2	GO:0009948	anterior/posterior axis specification
315870	Tbx18	T-box18	GO:0009948	anterior/posterior axis specification
498299	Lefty1,RGD1561867	left right determination factor 1	GO:0009948	anterior/posterior axis specification
500485	RGD1563046	similar to cerberus-like	GO:0009948	anterior/posterior axis specification
24175	Adra2c	adrenergic, alpha-2C-, receptor	GO:0030424	axon
24213	Atp1a3,Atpa1a3	ATPase, Na <sup>+</sup> /K <sup>+</sup> transporting, alpha 3 polypeptide	GO:0030424	axon
116673	Sdc3	syndecan 3	GO:0030424	axon
116690	NF,Nfasc	neurofascin	GO:0030424	axon
24316	D1a,Drd-1,Drd11,Drd1a	dopamine receptor D1A	GO:0030424	axon
24379	Gad1,Gad67	glutamate decarboxylase 1	GO:0030424	axon
24414	Gprc1a,Grm1	glutamate receptor, metabotropic 1	GO:0030424	axon
24415	Grm2	glutamate receptor, metabotropic 2	GO:0030424	axon
24590	CD10,MGC93576,Mme1,Nep	membrane metallo endopeptidase	GO:0030424	axon
246331	Nrp2,Nrp1	neuropilin 1	GO:0030424	axon
246332	KIS,Kist,MGC112620,Uhmk1	U2AF homology motif (UHM) kinase 1	GO:0030424	axon
24766	NachII,Nav1.2,RII/RIIA,RNSCPIIF	sodium channel, voltage-gated, type II, alpha 1	GO:0030424	axon
24806	PPTA3,Ppt5fl,RATPPTA3,TAC,Ta	tachykinin 1	GO:0030424	axon
25054	Ntrk2,RATTRKB1,TRKB1,Tkrb,trl	neurotrophic tyrosine kinase, receptor, type 2	GO:0030424	axon
25124	Stat1	signal transducer and activator of transcription 1	GO:0030424	axon

25269	PALB1,Pva,Pvalb	parvalbumin	GO:0030424	axon
25311	Dcc	deleted in colorectal carcinoma	GO:0030424	axon
25416	Crmp2,Dpysl2,TOAD-64	dihydropyrimidinase-like 2	GO:0030424	axon
288280	Ncam2,OCAM-GPI,Ocam	neural cell adhesion molecule 2	GO:0030424	axon
290567	Chat	choline acetyltransferase	GO:0030424	axon
29358	MGC109393,NPY-1,Npy1r	neuropeptide Y receptor Y1	GO:0030424	axon
29456	Map1b,Mtap1b	microtubule-associated protein 1B	GO:0030424	axon
29482	Eaat2,Glt,Glt-1,Slc1a2	solute carrier family 1 (glial high affinity glutamate transporter), member 1	GO:0030424	axon
29545	Uchl1	ubiquitin carboxyl-terminal esterase L1 (ubiquitin thiolesterase)	GO:0030424	axon
29701	NaN,Scn11a	sodium channel, voltage-gated, type XI, alpha	GO:0030424	axon
297357	Catna2,Ctnna2	catenin (cadherin associated protein), alpha 2	GO:0030424	axon
303803	Dre1,Klhl24,MGC105289	kelch-like 24 (Drosophila)	GO:0030424	axon
304271	Rnf6	ring finger protein (C3H2C3 type) 6	GO:0030424	axon
315546	Kirrel3	kin of IRRE like 3 (Drosophila)	GO:0030424	axon
362750	Atl1,MGC109404,Spg3a	atlastin GTPase 1	GO:0030424	axon
497815	Nrcam	neuronal cell adhesion molecule	GO:0030424	axon
50864	Hnt,Ntm,RNU16845	neurotrimin	GO:0030424	axon
56029	P140,Snip,Srcin1	SNAP25-interacting protein	GO:0030424	axon
79212	Gabt1,Slc6a1	solute carrier family 6 (neurotransmitter transporter, GABA), member 1	GO:0030424	axon
81574	Scn1a	sodium channel, voltage-gated, type I, alpha	GO:0030424	axon
81678	Itpr2	inositol 1,4,5-triphosphate receptor, type 2	GO:0030424	axon
81809	Tgfb2	transforming growth factor, beta 2	GO:0030424	axon
81818	Vim	vimentin	GO:0030424	axon
83523	Impa1	Inositol (myo)-1(or 4)-monophosphatase 1	GO:0030424	axon
25558	ANC18HA,Munc18-1,NSEC1A,Scn11a	syntaxin binding protein 1	GO:0007412	axon target recognition
29545	Uchl1	ubiquitin carboxyl-terminal esterase L1 (ubiquitin thiolesterase)	GO:0007412	axon target recognition
367106	Foxb1,MGC109378	forkhead box B1	GO:0007412	axon target recognition
24224	Bcl-2,Bcl2	B-cell CLL/lymphoma 2	GO:0030183	B cell differentiation
24699	CD45,L-CA,Lca,Ptpcr,RT7,T200	protein tyrosine phosphatase, receptor type, C	GO:0030183	B cell differentiation
25301	C/EBP,CEBPRNA,Cebpg	CCAAT/enhancer binding protein (C/EBP), gamma	GO:0030183	B cell differentiation
289757	Polm	polymerase (DNA directed), mu	GO:0030183	B cell differentiation
294900	PrLZ,Tpd52	tumor protein D52	GO:0030183	B cell differentiation
303836	Bcl6	B-cell CLL/lymphoma 6	GO:0030183	B cell differentiation
365395	Bsf3,Clc,Clcf1,MGC112574,NNT	cardiotrophin-like cytokine factor 1	GO:0030183	B cell differentiation
79237	Hex,Hhex	hematopoietically expressed homeobox	GO:0030183	B cell differentiation
84600	Rag1	recombination activating gene 1	GO:0030183	B cell differentiation
117526	MGC93994,TFIID,Tbp	TATA box binding protein	03022	Basal transcription factors
170844	TAFIIB,Taf2	TAF2 RNA polymerase II, TATA box binding protein (TBP)-associated factor 2	03022	Basal transcription factors
288651	Gtf2h3	general transcription factor IIH, polypeptide 3	03022	Basal transcription factors
294018	Taf5	TAF5 RNA polymerase II, TATA box binding protein (TBP)-associated factor 5	03022	Basal transcription factors
303918	Gtf2e1	general transcription factor IIE, polypeptide 1, alpha	03022	Basal transcription factors
307927	Taf5l	TAF5-like RNA polymerase II, p300/CBP-associated factor (PCAF)-associated factor 5	03022	Basal transcription factors
310784	Taf13	TAF13 RNA polymerase II, TATA box binding protein (TBP)-associated factor 13	03022	Basal transcription factors
360202	Salp,Sblf,Ston1	stonin 1	03022	Basal transcription factors
25591	Adprt,MGC93658,Parp-1,Parp1	poly (ADP-ribose) polymerase 1	GO:0006284	base-excision repair

306274	Ercc6	excision repair cross-complementing rodent repair deficiency, complem	GO:0006284	base-excision repair
499528	Ccno,RGD1565217	cyclin O	GO:0006284	base-excision repair
59102	Rpa2	replication protein A2	GO:0006284	base-excision repair
171142	Ehhadh,perMFE-1	enoyl-Coenzyme A, hydratase/3-hydroxyacyl Coenzyme A dehydrogenas	00410	beta-Alanine metabolism
24158	Acadm,MCAD	acyl-Coenzyme A dehydrogenase, C-4 to C-12 straight chain	00410	beta-Alanine metabolism
116593	Bup1,Upb1	ureidopropionase, beta	00410	beta-Alanine metabolism
24379	Gad1,Gad67	glutamate decarboxylase 1	00410	beta-Alanine metabolism
298079	Aldh1b1	aldehyde dehydrogenase 1 family, member B1	00410	beta-Alanine metabolism
65183	Aldh3a2,Aldh4,FALDH	aldehyde dehydrogenase 3 family, member A2	00410	beta-Alanine metabolism
81656	Dpyd	dihydropyrimidine dehydrogenase	00410	beta-Alanine metabolism
85239	Mcd,Mlycd	malonyl-CoA decarboxylase	00410	beta-Alanine metabolism
24817	HNF1,Hnf1a,LF-B1,Lfb1,Tcf1	HNF1 homeobox A	GO:0001824	blastocyst development
29154	Capn2	calpain 2	GO:0001824	blastocyst development
29591	MGC93659,Tgfrb1	transforming growth factor, beta receptor 1	GO:0001824	blastocyst development
29610	Tgfrb3,betaglycan	transforming growth factor, beta receptor III	GO:0001824	blastocyst development
299002	G2e3,RGD1310263	G2/M-phase specific E3 ubiquitin ligase	GO:0001824	blastocyst development
59112	Hand1,MGC114332,eHand	heart and neural crest derivatives expressed 1	GO:0001824	blastocyst development
170699	Atp2c1,MGC93231	ATPase, Ca <sup>++</sup> transporting, type 2C, member 1	GO:0005388	calcium-transporting ATPase activity
24215	Atp2b2,PMCA2	ATPase, Ca <sup>++</sup> transporting, plasma membrane 2	GO:0005388	calcium-transporting ATPase activity
25391	Atp2a3,SERCA3	ATPase, Ca <sup>++</sup> transporting, ubiquitous	GO:0005388	calcium-transporting ATPase activity
29598	Atp2b1,Pmca1a,Pmca1b,Pmca1	ATPase, Ca <sup>++</sup> transporting, plasma membrane 1	GO:0005388	calcium-transporting ATPase activity
29600	Atp2b4,PMCA4	ATPase, Ca <sup>++</sup> transporting, plasma membrane 4	GO:0005388	calcium-transporting ATPase activity
24224	Bcl-2,Bcl2	B-cell CLL/lymphoma 2	GO:0016049	cell growth
25717	MGC105479,Tgfb3	transforming growth factor, beta 3	GO:0016049	cell growth
29161	Cav3,MGC105449	caveolin 3	GO:0016049	cell growth
294797	Il7r	interleukin 7 receptor	GO:0016049	cell growth
29610	Tgfrb3,betaglycan	transforming growth factor, beta receptor III	GO:0016049	cell growth
304913	Tnn	tenascin N	GO:0016049	cell growth
308869	p182,MGC72560	RhoA activator C11orf59 homolog	GO:0016049	cell growth
353229	MGC93062,Mob,Sgms1,Tmem2	sphingomyelin synthase 1	GO:0016049	cell growth
362229	Xrn2	5'-3' exoribonuclease 2	GO:0016049	cell growth
498299	Lefty1,RGD1561867	left right determination factor 1	GO:0016049	cell growth
81686	Mmp2	matrix metalloproteinase 2	GO:0016049	cell growth
81687	Mmp9	matrix metalloproteinase 9	GO:0016049	cell growth
289311	Mixl1	Mix1 homeobox-like 1 (Xenopus laevis)	GO:0042074	cell migration involved in gastrulation
294503	Nodal	nodal homolog (mouse)	GO:0042074	cell migration involved in gastrulation
312781	Lrp6	low density lipoprotein receptor-related protein 6	GO:0042074	cell migration involved in gastrulation
498299	Lefty1,RGD1561867	left right determination factor 1	GO:0042074	cell migration involved in gastrulation
500485	RGD1563046	similar to cerberus-like	GO:0042074	cell migration involved in gastrulation
24215	Atp2b2,PMCA2	ATPase, Ca <sup>++</sup> transporting, plasma membrane 2	GO:0000902	cell morphogenesis
24224	Bcl-2,Bcl2	B-cell CLL/lymphoma 2	GO:0000902	cell morphogenesis
25055	Chole,Chole2,LAL1,Lip1,Lipa	lipase A, lysosomal acid, cholesterol esterase	GO:0000902	cell morphogenesis
25459	Ac2-008,Hmg1,Hmgb11,MGC93	high mobility group box 1	GO:0000902	cell morphogenesis
294797	Il7r	interleukin 7 receptor	GO:0000902	cell morphogenesis
301555	Cul3,MGC189292	cullin 3	GO:0000902	cell morphogenesis

303836	Bcl6	B-cell CLL/lymphoma 6	GO:0000902	cell morphogenesis
305230	RGD1310470,Shrm,Shroom3	shroom family member 3	GO:0000902	cell morphogenesis
310635	Arhgef2,MGC95068	rho/rac guanine nucleotide exchange factor (GEF) 2	GO:0000902	cell morphogenesis
361295	Ss18	synovial sarcoma translocation, Chromosome 18	GO:0000902	cell morphogenesis
54320	E11,Gp38,OTS-8,Pdpn,RTI40,T1	podoplanin	GO:0000902	cell morphogenesis
64185	Cap1,MGC108691,Mch1	CAP, adenylate cyclase-associated protein 1 (yeast)	GO:0000902	cell morphogenesis
81809	Tgfb2	transforming growth factor, beta 2	GO:0000902	cell morphogenesis
114636	Zyx	zyxin	GO:0005913	cell-cell adherens junction
26955	Af6,Mllt4	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila)	GO:0005913	cell-cell adherens junction
291760	Dsc2,MGC124744	desmocollin 2	GO:0005913	cell-cell adherens junction
292994	Tjp1,ZO-1	tight junction protein 1	GO:0005913	cell-cell adherens junction
29616	Ptpm	protein tyrosine phosphatase, receptor type, M	GO:0005913	cell-cell adherens junction
297357	Catna2,Ctnna2	catenin (cadherin associated protein), alpha 2	GO:0005913	cell-cell adherens junction
305679	Vcl	vinculin	GO:0005913	cell-cell adherens junction
311163	Catns,Ctnnd1	catenin (cadherin associated protein), delta 1	GO:0005913	cell-cell adherens junction
315655	MGC95168,Rdx	radixin	GO:0005913	cell-cell adherens junction
83501	Cdh2,N-cadherin	cadherin 2	GO:0005913	cell-cell adherens junction
171044	SSTR,Smstr28,Sstr3	somatostatin receptor 3	GO:0021549	cerebellum development
192253	Myo16,Myr8	myosin XVI	GO:0021549	cerebellum development
24215	Atp2b2,PMCA2	ATPase, Ca <sup>++</sup> transporting, plasma membrane 2	GO:0021549	cerebellum development
114500	Gbx2	gastrulation brain homeobox 2	GO:0021549	cerebellum development
245921	Acvr1c,Alk-7,Alk7,habrec1	activin A receptor, type IC	GO:0021549	cerebellum development
289201	Lmx1a	LIM homeobox transcription factor 1 alpha	GO:0021549	cerebellum development
29458	Neurod1	neurogenic differentiation 1	GO:0021549	cerebellum development
50864	Hnt,Ntm,RNU16845	neurotrimin	GO:0021549	cerebellum development
79216	Gdf10	growth differentiation factor 10	GO:0021549	cerebellum development
170851	Map2k1,Mek1	mitogen activated protein kinase kinase 1	05210	Colorectal cancer
170911	MGC116320,Pik3ca	phosphoinositide-3-kinase, catalytic, alpha polypeptide	05210	Colorectal cancer
24224	Bcl-2,Bcl2	B-cell CLL/lymphoma 2	05210	Colorectal cancer
25311	Dcc	deleted in colorectal carcinoma	05210	Colorectal cancer
25717	MGC105479,Tgfb3	transforming growth factor, beta 3	05210	Colorectal cancer
29357	MGC156656,Madh2,Smad2	SMAD family member 2	05210	Colorectal cancer
29591	MGC93659,Tgfb1	transforming growth factor, beta receptor 1	05210	Colorectal cancer
299611	Apc2	adenomatosis polyposis coli 2	05210	Colorectal cancer
497931	Pik3r5,RGD1563261	phosphoinositide-3-kinase, regulatory subunit 5	05210	Colorectal cancer
499505	Msh3	mutS homolog 3 (E. coli)	05210	Colorectal cancer
679869	Tcf7l2	transcription factor 7-like 2 (T-cell specific, HMG-box)	05210	Colorectal cancer
79257	Axin,Axin1	axin 1	05210	Colorectal cancer
81809	Tgfb2	transforming growth factor, beta 2	05210	Colorectal cancer
25459	Ac2-008,Hmg1,Hmgb11,MGC93659	high mobility group box 1	GO:0000793	condensed chromosome
25561	RNASCP3,Sycp3	synaptonemal complex protein 3	GO:0000793	condensed chromosome
314320	Mlh3	mutL homolog 3 (E. coli)	GO:0000793	condensed chromosome
362519	CAP-E,CAPE,Smc2,Smc2l1	structural maintenance of chromosomes 2	GO:0000793	condensed chromosome
362817	Cdk2	cyclin dependent kinase 2	GO:0000793	condensed chromosome
368002	Baz1b	bromodomain adjacent to zinc finger domain, 1B	GO:0000793	condensed chromosome

499870	Rad512, RGD1563603	RAD51 homolog (RecA homolog, E. coli) ( <i>S. cerevisiae</i> )	GO:0000793	condensed chromosome
83726	Ctcf	CCCTC-binding factor (zinc finger protein)	GO:0000793	condensed chromosome
303602	Dcaf7, RGD1305140, Wdr68	DDB1 and CUL4 associated factor 7	GO:0080008	CUL4 RING ubiquitin ligase complex
313242	Dcaf10, RGD1304730, Wdr32	DDB1 and CUL4 associated factor 10	GO:0080008	CUL4 RING ubiquitin ligase complex
314273	Dcaf5, Wdr22	DDB1 and CUL4 associated factor 5	GO:0080008	CUL4 RING ubiquitin ligase complex
364050	Dcaf8, RGD1308513, Wdr42a	DDB1 and CUL4 associated factor 8	GO:0080008	CUL4 RING ubiquitin ligase complex
114514	Clasp2	cytoplasmic linker associated protein 2	GO:0005881	cytoplasmic microtubule
114764	Eb1, Mapre1	microtubule-associated protein, RP/EB family, member 1	GO:0005881	cytoplasmic microtubule
29264	CLIP-115, Clip2, Cynl2	CAP-GLY domain containing linker protein 2	GO:0005881	cytoplasmic microtubule
298848	MGC94312, Mapre3	microtubule-associated protein, RP/EB family, member 3	GO:0005881	cytoplasmic microtubule
299611	Apc2	adenomatosis polyposis coli 2	GO:0005881	cytoplasmic microtubule
361295	Ss18	synovial sarcoma translocation, Chromosome 18	GO:0005881	cytoplasmic microtubule
361396	RGD1311587, Ranbp10	RAN binding protein 10	GO:0005881	cytoplasmic microtubule
498136	RGD1562533	similar to mKIAA0774 protein	GO:0005881	cytoplasmic microtubule
65201	CLIP-170, Clip1, MGC114234, Rsn	CAP-GLY domain containing linker protein 1	GO:0005881	cytoplasmic microtubule
79257	Axin, Axin1	axin 1	GO:0005881	cytoplasmic microtubule
117045	Eif4e, MGC93265	eukaryotic translation initiation factor 4E	GO:0000932	cytoplasmic mRNA processing body
100125373	MGC93828, Pnrc2	proline-rich nuclear receptor coactivator 2	GO:0000932	cytoplasmic mRNA processing body
308971	Tnrc6, Tnrc6a	trinucleotide repeat containing 6a	GO:0000932	cytoplasmic mRNA processing body
361399	Edc4, LRRG00115, MGC124746, M	enhancer of mRNA decapping 4	GO:0000932	cytoplasmic mRNA processing body
361554	Lsm14a, RGD1305695	LSM14A, SCD6 homolog A ( <i>S. cerevisiae</i> )	GO:0000932	cytoplasmic mRNA processing body
500562	Lin282, RGD1566408	lin-28 homolog ( <i>C. elegans</i> )	GO:0000932	cytoplasmic mRNA processing body
85265	Jub, MGC93830	jub, ajuba homolog ( <i>Xenopus laevis</i> )	GO:0000932	cytoplasmic mRNA processing body
25439	F2r, MGC93622, Par1, TRGPC	coagulation factor II (thrombin) receptor	GO:0016265	death
25505	P2XMR, P2rx1	purinergic receptor P2X, ligand-gated ion channel, 1	GO:0016265	death
25549	MNAT, Slc18a2, VMAT2	solute carrier family 18 (vesicular monoamine), member 2	GO:0016265	death
29270	Spr1	sepiapterin reductase (7,8-dihydrobiopterin:NADP+ oxidoreductase)	GO:0016265	death
54278	Nr4a2, Nurr1	nuclear receptor subfamily 4, group A, member 2	GO:0016265	death
84600	Rag1	recombination activating gene 1	GO:0016265	death
25615	HSPG2, Sdc2	syndecan 2	GO:0048813	dendrite morphogenesis
25715	Dmt1, Nramp2, Slc11a2	solute carrier family 11 (proton-coupled divalent metal ion transporters)	GO:0048813	dendrite morphogenesis
297357	Catna2, Ctnna2	catenin (cadherin associated protein), alpha 2	GO:0048813	dendrite morphogenesis
363243	Klf7	Kruppel-like factor 7 (ubiquitous)	GO:0048813	dendrite morphogenesis
83825	Ania4, Cpg16, Dcamk1l, Dclk1	doublecortin-like kinase 1	GO:0048813	dendrite morphogenesis
24224	Bcl-2, Bcl2	B-cell CLL/lymphoma 2	GO:0048066	developmental pigmentation
114502	Pax3	paired box 3	GO:0048066	developmental pigmentation
306868	Muted	muted homolog (mouse)	GO:0048066	developmental pigmentation
310152	Matp, Slc45a2	solute carrier family 45, member 2	GO:0048066	developmental pigmentation
361096	Zic2	Zic family member 2 (odd-paired homolog, <i>Drosophila</i> )	GO:0048066	developmental pigmentation
50672	Ednra2, Ednrb, Etb	endothelin receptor type B	GO:0048066	developmental pigmentation
117282	Csbp, Hnrnpk, Hnrpk	heterogeneous nuclear ribonucleoprotein K	GO:0003677	DNA binding
117526	MGC93994, TFIID, Tbp	TATA box binding protein	GO:0003677	DNA binding
140934	Ikbkap	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase con	GO:0003677	DNA binding
100310874	LOC100310874	antisense RNA overlapping MCH	GO:0003677	DNA binding
113990	Hmgn3	high mobility group nucleosomal binding domain 3	GO:0003677	DNA binding

114090	Egr2,Krox20	early growth response 2	GO:0003677	DNA binding
114109	Csx,Nkx2-5,Nkx2.5	NK2 transcription factor related, locus 5 (Drosophila)	GO:0003677	DNA binding
114634	Six1	SIX homeobox 1	GO:0003677	DNA binding
114637	Hmg17,Hmg2,MGC116347,M	high mobility group nucleosomal binding domain 2	GO:0003677	DNA binding
115768	Zfp37	zinc finger protein 37	GO:0003677	DNA binding
116543	Ebf,Ebf1,Olf1	early B-cell factor 1	GO:0003677	DNA binding
116544	Pou2f3	POU class 2 homeobox 3	GO:0003677	DNA binding
116665	Arp2,Rere	arginine-glutamic acid dipeptide (RE) repeats	GO:0003677	DNA binding
24356	Ets-11,Ets1,Etsoncb,MGC12463	v-ets erythroblastosis virus E26 oncogene homolog 1 (avian)	GO:0003677	DNA binding
24388	Gfi1	growth factor independent 1 transcription repressor	GO:0003677	DNA binding
24518	Jund,MGC72300	jun D proto-oncogene	GO:0003677	DNA binding
24708	Rb1	retinoblastoma 1	GO:0003677	DNA binding
24790	Sp1	Sp1 transcription factor	GO:0003677	DNA binding
24817	HNF1,Hnf1a,LF-B1,Lfb1,Tcf1	HNF1 homeobox A	GO:0003677	DNA binding
24873	Nr1i1,Vdr	vitamin D (1,25- dihydroxyvitamin D3) receptor	GO:0003677	DNA binding
25094	Mitf	microphthalmia-associated transcription factor	GO:0003677	DNA binding
25099	Foxa2,Hnf3b	forkhead box A2	GO:0003677	DNA binding
25124	Stat1	signal transducer and activator of transcription 1	GO:0003677	DNA binding
25125	MGC93551,Stat3	signal transducer and activator of transcription 3	GO:0003677	DNA binding
25276	SCP1,Sycp1	synaptonemal complex protein 1	GO:0003677	DNA binding
25301	C/EBP,CEBPRNA,Cebp	CCAAT/enhancer binding protein (C/EBP), gamma	GO:0003677	DNA binding
25334	Bhlha15,Bhlhb8,Mist1,bHLH	basic helix-loop-helix family, member a15	GO:0003677	DNA binding
25561	RNASCP3,Sycp3	synaptonemal complex protein 3	GO:0003677	DNA binding
25591	Adprt,MGC93658,Parp-1,Parp1	poly (ADP-ribose) polymerase 1	GO:0003677	DNA binding
25640	Hnf1b,LF-B3,MGC93549,Tcf2,V	HNF1 homeobox B	GO:0003677	DNA binding
25682	Pparb,Ppard	peroxisome proliferator-activated receptor delta	GO:0003677	DNA binding
25701	MXI-WR,Mxi1	MAX interactor 1	GO:0003677	DNA binding
25737	PCNAR,Pcna,Pcna/cyclin	proliferating cell nuclear antigen	GO:0003677	DNA binding
266600	Csdc2,Pippin	cold shock domain containing C2, RNA binding	GO:0003677	DNA binding
266680	Nzf3,St18,r-MyT3	suppression of tumorigenicity 18	GO:0003677	DNA binding
288079	Polq	polymerase (DNA directed), theta	GO:0003677	DNA binding
288718	Tfip11	tuftelin interacting protein 11	GO:0003677	DNA binding
289717	ADA2B,MGC189538,RGD15616	transcriptional adaptor 2 (ADA2 homolog, yeast)-beta	GO:0003677	DNA binding
289757	Polm	polymerase (DNA directed), mu	GO:0003677	DNA binding
289810	C1d1,MGC188504,RGD156060	C1D nuclear receptor co-repressor	GO:0003677	DNA binding
291670	Cxxc5,MGC94398	CXXC finger 5	GO:0003677	DNA binding
291908	Tnrc9,Tox3	TOX high mobility group box family member 3	GO:0003677	DNA binding
292071	Cdt1,Ris2	chromatin licensing and DNA replication factor 1	GO:0003677	DNA binding
29300	Gata6	GATA binding protein 6	GO:0003677	DNA binding
293067	MGC94805,Za20d3,Zfand6,zgc:	zinc finger, AN1-type domain 6	GO:0003677	DNA binding
293452	Palb2,RGD1304759	partner and localizer of BRCA2	GO:0003677	DNA binding
29357	MGC156656,Madh2,Smad2	SMAD family member 2	GO:0003677	DNA binding
293960	Zfand5,Zfp216	zinc finger, AN1-type domain 5	GO:0003677	DNA binding
294018	Taf5	TAF5 RNA polymerase II, TATA box binding protein (TBP)-associated fact	GO:0003677	DNA binding
294395	Rfx6,Rfxdc1	regulatory factor X, 6	GO:0003677	DNA binding

29458	Neurod1	neurogenic differentiation 1	GO:0003677	DNA binding
29467	CHOP,CHOP-10,Chop10,Ddit3,C	DNA-damage inducible transcript 3	GO:0003677	DNA binding
295315	Tbx15	T-box 15	GO:0003677	DNA binding
29560	Hif1a,MOP1	hypoxia-inducible factor 1, alpha subunit (basic helix-loop-helix transcrip	GO:0003677	DNA binding
296271	Ab2-390,Npn3,Srxn1	sulfiredoxin 1 homolog (S. cerevisiae)	GO:0003677	DNA binding
29657	Arntl	aryl hydrocarbon receptor nuclear translocator-like	GO:0003677	DNA binding
29721	Hivep2,MIBP1	human immunodeficiency virus type I enhancer binding protein 2	GO:0003677	DNA binding
297705	Aebp2	AE binding protein 2	GO:0003677	DNA binding
297804	MGC94626,Plag1	pleiomorphic adenoma gene 1	GO:0003677	DNA binding
297893	Hdac12	histone deacetylase 1	GO:0003677	DNA binding
298894	Mycn,N-myc,Nmuc1,Nmyc	v-myc myelocytomatosis viral related oncogene, neuroblastoma derivec	GO:0003677	DNA binding
299138	Six4	SIX homeobox 4	GO:0003677	DNA binding
299766	Myf5	myogenic factor 5	GO:0003677	DNA binding
300034	Tigd5	tigger transposable element derived 5	GO:0003677	DNA binding
302993	Sox8	SRY (sex determining region Y)-box 8	GO:0003677	DNA binding
303165	MGC93893,Zfp672,Znf672	zinc finger protein 672	GO:0003677	DNA binding
303375	Rad51l3	RAD51-like 3 (S. cerevisiae)	GO:0003677	DNA binding
303399	Tbx4	T-box 4	GO:0003677	DNA binding
303547	Ezh1	enhancer of zeste homolog 1 (Drosophila)	GO:0003677	DNA binding
303836	Bcl6	B-cell CLL/lymphoma 6	GO:0003677	DNA binding
304271	Rnf6	ring finger protein (C3H2C3 type) 6	GO:0003677	DNA binding
304302	Zfp469	zinc finger protein 469	GO:0003677	DNA binding
304342	Zipro1,Zscan21	zinc finger and SCAN domain containing 21	GO:0003677	DNA binding
305000	Exo1	exonuclease 1	GO:0003677	DNA binding
305171	Lin54,RGD1311361	lin-54 homolog (C. elegans)	GO:0003677	DNA binding
306274	Erc6	excision repair cross-complementing rodent repair deficiency, complem	GO:0003677	DNA binding
306571	Moz,Myst3,Runxpb2,Znf220	MYST histone acetyltransferase (monocytic leukemia) 3	GO:0003677	DNA binding
306695	Zfp367,Znf367	zinc finger protein 367	GO:0003677	DNA binding
306817	Dek,MGC94795	DEK oncogene	GO:0003677	DNA binding
307861	MGC105533,Terf2ip	telomeric repeat binding factor 2, interacting protein	GO:0003677	DNA binding
308282	Shprh	SNF2 histone linker PHD RING helicase	GO:0003677	DNA binding
308918	Ppfibp2	PTPRF interacting protein, binding protein 2 (liprin beta 2)	GO:0003677	DNA binding
309430	Dmrt2	doublesex and mab-3 related transcription factor 2	GO:0003677	DNA binding
309457	Pcgf6,Rnf134	polycomb group ring finger 6	GO:0003677	DNA binding
309859	Scml4	sex comb on midleg-like 4 (Drosophila)	GO:0003677	DNA binding
310086	Mier3,RGD1311241	mesoderm induction early response 1, family member 3	GO:0003677	DNA binding
310658	Pogz	pogo transposable element with ZNF domain	GO:0003677	DNA binding
310659	Rfx5	regulatory factor X, 5 (influences HLA class II expression)	GO:0003677	DNA binding
310677	Otud7b,RGD1308111	OTU domain containing 7B	GO:0003677	DNA binding
310685	Polr3c	polymerase (RNA) III (DNA directed) polypeptide C	GO:0003677	DNA binding
310784	Taf13	TAF13 RNA polymerase II, TATA box binding protein (TBP)-associated fac	GO:0003677	DNA binding
311311	Meis2	Meis homeobox 2	GO:0003677	DNA binding
311909	Mnab,Rc3h2	ring finger and CCCH-type zinc finger domains 2	GO:0003677	DNA binding
312538	Mcm2	minichromosome maintenance complex component 2	GO:0003677	DNA binding
312936	Sox17	SRY (sex determining region Y)-box 17	GO:0003677	DNA binding

313352	Dmrta1	DMRT-like family A1	GO:0003677	DNA binding
313418	MGC188399,Mier1,RGD156233	mesoderm induction early response 1 homolog ( <i>Xenopus laevis</i> )	GO:0003677	DNA binding
313512	Dmbx1,Otx3	diencephalon/mesencephalon homeobox 1	GO:0003677	DNA binding
313557	Hivep3	human immunodeficiency virus type I enhancer binding protein 3	GO:0003677	DNA binding
313647	Hp1bp3,MGC72624	heterochromatin protein 1, binding protein 3	GO:0003677	DNA binding
313978	E2f6	E2F transcription factor 6	GO:0003677	DNA binding
314205	Arid4a	AT rich interactive domain 4A (Rbp1 like)	GO:0003677	DNA binding
314616	Arid3a,MGC189073	AT rich interactive domain 3A (Bright like)	GO:0003677	DNA binding
315417	Jrkl,RGD1308986	jerky homolog-like (mouse)	GO:0003677	DNA binding
315497	Tbx20	T-box 20	GO:0003677	DNA binding
315500	Eepd1,MGC116390,RGD130740	endonuclease/exonuclease/phosphatase family domain containing 1	GO:0003677	DNA binding
315870	Tbx18	T-box18	GO:0003677	DNA binding
316219	Tref1	transcriptional regulating factor 1	GO:0003677	DNA binding
337868	MGC156574,Myod1	myogenic differentiation 1	GO:0003677	DNA binding
360389	Kox15,Krox-25,MGC105332,Zfp	zinc finger protein 422	GO:0003677	DNA binding
360463	Mpv17,Mpv17l	MPV17 mitochondrial membrane protein-like	GO:0003677	DNA binding
360631	Mlx,Tcf14	MAX-like protein X	GO:0003677	DNA binding
360801	Ncor2	nuclear receptor co-repressor 2	GO:0003677	DNA binding
360858	Lhx4	LIM homeobox 4	GO:0003677	DNA binding
361096	Zic2	Zic family member 2 (odd-paired homolog, <i>Drosophila</i> )	GO:0003677	DNA binding
361700	Fbxl11,Kdm2a	lysine (K)-specific demethylase 2A	GO:0003677	DNA binding
361783	MGC156546,Zfp57	zinc finger protein 57	GO:0003677	DNA binding
361843	Prg32,Aifm2,Amid	apoptosis-inducing factor, mitochondrion-associated 2	GO:0003677	DNA binding
361844	H2afy2,RGD1561371	H2A histone family, member Y2	GO:0003677	DNA binding
361881	MGC116104,Zbed3	zinc finger, BED-type containing 3	GO:0003677	DNA binding
362268	Rbpjl,Rbpsuhl	recombination signal binding protein for immunoglobulin kappa J region	GO:0003677	DNA binding
362412	MGC156682,Rad18	RAD18 homolog ( <i>S. cerevisiae</i> )	GO:0003677	DNA binding
362481	Tox	thymocyte selection-associated high mobility group box	GO:0003677	DNA binding
362591	Mtf1	metal-regulatory transcription factor 1	GO:0003677	DNA binding
362675	P73,Trp73,Trp73	tumor protein p73	GO:0003677	DNA binding
362741	Pax9	paired box 9	GO:0003677	DNA binding
362825	Hmg20b	high mobility group 20 B	GO:0003677	DNA binding
362827	Pias4	protein inhibitor of activated STAT, 4	GO:0003677	DNA binding
362871	Elk3	ELK3, ETS-domain protein	GO:0003677	DNA binding
363035	Btdb15,MGC125242,RGD13089	zinc finger and BTB domain containing 44	GO:0003677	DNA binding
363185	Foxp4	forkhead box P4	GO:0003677	DNA binding
363227	MGC108887,Obfc2a,RGD13066	oligonucleotide/oligosaccharide-binding fold containing 2A	GO:0003677	DNA binding
363243	Klf7	Kruppel-like factor 7 (ubiquitous)	GO:0003677	DNA binding
363247	Ku80,Kup80,Xrcc5	X-ray repair complementing defective repair in Chinese hamster cells 5	GO:0003677	DNA binding
364081	Irf6	interferon regulatory factor 6	GO:0003677	DNA binding
364534	Ssbp4	single stranded DNA binding protein 4	GO:0003677	DNA binding
365371	Tbx6	T-box 6	GO:0003677	DNA binding
365590	Bif1a,ZNF450,Zbtb24	zinc finger and BTB domain containing 24	GO:0003677	DNA binding
365755	RGD1560053,Tbl1xr1	transducin (beta)-like 1 X-linked receptor 1	GO:0003677	DNA binding
367034	Zfp4261,Zfp426l	zinc finger protein 426-like	GO:0003677	DNA binding



367218	Cbfa1,Runx2	runt-related transcription factor 2	GO:0003677	DNA binding
368042	Btaf1,RGD1564130	BTAF1 RNA polymerase II, B-TFIID transcription factor-associated, (Mot1	GO:0003677	DNA binding
497976	RGD1563765,Rad51c	Rad51 homolog c (S. cerevisiae)	GO:0003677	DNA binding
497991	Med1,RGD1559552	mediator complex subunit 1	GO:0003677	DNA binding
498160	MGC116363,Zkscan1	zinc finger with KRAB and SCAN domains 1	GO:0003677	DNA binding
498407	Purb,pur-beta	purine rich element binding protein B	GO:0003677	DNA binding
498999	Ahrr	aryl-hydrocarbon receptor repressor	GO:0003677	DNA binding
499505	Msh3	mutS homolog 3 (E. coli)	GO:0003677	DNA binding
499510	Spz1	spermatogenic leucine zipper 1	GO:0003677	DNA binding
499801	Ifih1,RGD1560496	interferon induced with helicase C domain 1	GO:0003677	DNA binding
499966	RGD1564823,Xrcc2	X-ray repair complementing defective repair in Chinese hamster cells 2	GO:0003677	DNA binding
500110	Zfp467,Znf467	zinc finger protein 467	GO:0003677	DNA binding
500562	Lin282,RGD1566408	lin-28 homolog (C. elegans)	GO:0003677	DNA binding
53982	OZF,POZF-1,Zfp260,Znf146,Znf2	zinc finger protein 260	GO:0003677	DNA binding
54264	Krml,Mafb,b-maf	v-maf musculoaponeurotic fibrosarcoma oncogene homolog B (avian)	GO:0003677	DNA binding
54267	Maf1,Maf2,cMaf	v-maf musculoaponeurotic fibrosarcoma oncogene homolog (avian)	GO:0003677	DNA binding
54278	Nr4a2,Nurr1	nuclear receptor subfamily 4, group A, member 2	GO:0003677	DNA binding
58842	Preb	prolactin regulatory element binding	GO:0003677	DNA binding
58851	Nr1h2,OR-1	nuclear receptor subfamily 1, group H, member 2	GO:0003677	DNA binding
58940	H2afz,MGC105426,MGC72814	H2A histone family, member Z	GO:0003677	DNA binding
59102	Rpa2	replication protein A2	GO:0003677	DNA binding
59112	Hand1,MGC114332,eHand	heart and neural crest derivatives expressed 1	GO:0003677	DNA binding
64188	Mafg	v-maf musculoaponeurotic fibrosarcoma oncogene homolog G (avian)	GO:0003677	DNA binding
64646	H2a,Hist3h2a,MGC116285	histone cluster 3, H2a	GO:0003677	DNA binding
64825	N5	DNA binding protein N5	GO:0003677	DNA binding
679869	Tcf7l2	transcription factor 7-like 2 (T-cell specific, HMG-box)	GO:0003677	DNA binding
680611	Bcl32	B-cell CLL/lymphoma 3	GO:0003677	DNA binding
688999	Hoxd9,MGC189507	homeo box D9	GO:0003677	DNA binding
691488	Hist3h2bb	histone cluster 3, H2bb	GO:0003677	DNA binding
81758	Rb2,Rbl2	retinoblastoma-like 2	GO:0003677	DNA binding
81819	MGC93376,Pax8	paired box 8	GO:0003677	DNA binding
83498	A1F-C1,Hnrnpab,Hnrpab	heterogeneous nuclear ribonucleoprotein A/B	GO:0003677	DNA binding
83726	Ctcf	CCCTC-binding factor (zinc finger protein)	GO:0003677	DNA binding
84046	Sox11	SRY (sex determining region Y)-box 11	GO:0003677	DNA binding
84350	Dnmt1	DNA (cytosine-5-)-methyltransferase 1	GO:0003677	DNA binding
84481	Arid4b,Bcaa	AT rich interactive domain 4B (Rbp1 like)	GO:0003677	DNA binding
24518	Jund,MGC72300	jun D proto-oncogene	GO:0003690	double-stranded DNA binding
24790	Sp1	Sp1 transcription factor	GO:0003690	double-stranded DNA binding
24817	HNF1,Hnf1a,LF-B1,Lfb1,Tcf1	HNF1 homeobox A	GO:0003690	double-stranded DNA binding
25099	Foxa2,Hnf3b	forkhead box A2	GO:0003690	double-stranded DNA binding
25301	C/EBP,CEBPRNA,Cebpg	CCAAT/enhancer binding protein (C/EBP), gamma	GO:0003690	double-stranded DNA binding
25459	Ac2-008,Hmg1,Hmgb11,MGC92	high mobility group box 1	GO:0003690	double-stranded DNA binding
25672	MCR,Mlr,Nr3c2	nuclear receptor subfamily 3, group C, member 2	GO:0003690	double-stranded DNA binding
29300	Gata6	GATA binding protein 6	GO:0003690	double-stranded DNA binding
29357	MGC156656,Madh2,Smad2	SMAD family member 2	GO:0003690	double-stranded DNA binding

29362	Tef	thyrotrophic embryonic factor	GO:0003690	double-stranded DNA binding
29458	Neurod1	neurogenic differentiation 1	GO:0003690	double-stranded DNA binding
29560	Hif1a,MOP1	hypoxia-inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)	GO:0003690	double-stranded DNA binding
363247	Ku80,Kup80,Xrcc5	X-ray repair complementing defective repair in Chinese hamster cells 5	GO:0003690	double-stranded DNA binding
498407	Purb,pur-beta	purine rich element binding protein B	GO:0003690	double-stranded DNA binding
499870	Rad512,RGD1563603	RAD51 homolog (RecA homolog, E. coli) (S. cerevisiae)	GO:0003690	double-stranded DNA binding
54267	Maf1,Maf2,cMaf	v-maf musculoaponeurotic fibrosarcoma oncogene homolog (avian)	GO:0003690	double-stranded DNA binding
60329	Neurog3,Ngn3,Relax	neurogenin 3	GO:0003690	double-stranded DNA binding
689055	Rad51ap12,MGC156698	RAD51 associated protein 1	GO:0003690	double-stranded DNA binding
84350	Dnmt1	DNA (cytosine-5-)-methyltransferase 1	GO:0003690	double-stranded DNA binding
89809	Recc1,Rfc1	replication factor C (activator 1) 1	GO:0003690	double-stranded DNA binding
24790	Sp1	Sp1 transcription factor	GO:0048596	embryonic camera-type eye morphogenesis
312781	Lrp6	low density lipoprotein receptor-related protein 6	GO:0048596	embryonic camera-type eye morphogenesis
84399	Ihh	Indian hedgehog	GO:0048596	embryonic camera-type eye morphogenesis
85272	BMP-7,Bmp7	bone morphogenetic protein 7	GO:0048596	embryonic camera-type eye morphogenesis
114634	Six1	SIX homeobox 1	GO:0048701	embryonic cranial skeleton morphogenesis
29357	MGC156656,Madh2,Smad2	SMAD family member 2	GO:0048701	embryonic cranial skeleton morphogenesis
294503	Nodal	nodal homolog (mouse)	GO:0048701	embryonic cranial skeleton morphogenesis
295315	Tbx15	T-box 15	GO:0048701	embryonic cranial skeleton morphogenesis
29591	MGC93659,Tgfb1	transforming growth factor, beta receptor 1	GO:0048701	embryonic cranial skeleton morphogenesis
299138	Six4	SIX homeobox 4	GO:0048701	embryonic cranial skeleton morphogenesis
303586	Wnt9b	wingless-type MMTV integration site family, member 9B	GO:0048701	embryonic cranial skeleton morphogenesis
367218	Cbfa1,Runx2	runt-related transcription factor 2	GO:0048701	embryonic cranial skeleton morphogenesis
114109	Csx,Nkx2-5,Nkx2.5	NK2 transcription factor related, locus 5 (Drosophila)	GO:0035050	embryonic heart tube development
24392	Cx43,Gja1,MGC93610	gap junction protein, alpha 1	GO:0035050	embryonic heart tube development
294503	Nodal	nodal homolog (mouse)	GO:0035050	embryonic heart tube development
312936	Sox17	SRY (sex determining region Y)-box 17	GO:0035050	embryonic heart tube development
315497	Tbx20	T-box 20	GO:0035050	embryonic heart tube development
497991	Med1,RGD1559552	mediator complex subunit 1	GO:0035050	embryonic heart tube development
59112	Hand1,MGC114332,eHand	heart and neural crest derivatives expressed 1	GO:0035050	embryonic heart tube development
79237	Hex,Hhex	hematopoietically expressed homeobox	GO:0035050	embryonic heart tube development
25671	Madh1,Smad1	SMAD family member 1	GO:0009880	embryonic pattern specification
29357	MGC156656,Madh2,Smad2	SMAD family member 2	GO:0009880	embryonic pattern specification
294503	Nodal	nodal homolog (mouse)	GO:0009880	embryonic pattern specification
312781	Lrp6	low density lipoprotein receptor-related protein 6	GO:0009880	embryonic pattern specification
84399	Ihh	Indian hedgehog	GO:0009880	embryonic pattern specification
85272	BMP-7,Bmp7	bone morphogenetic protein 7	GO:0009880	embryonic pattern specification
192204	Ehd4,MGC91469,Past2	EH-domain containing 4	GO:0032456	endocytic recycling
293692	Ehd1,RGD1306960	EH-domain containing 1	GO:0032456	endocytic recycling
304286	Lmtk2	lemur tyrosine kinase 2	GO:0032456	endocytic recycling
360725	Snx4	sorting nexin 4	GO:0032456	endocytic recycling
171136	Cblb	Cas-Br-M (murine) ecotropic retroviral transforming sequence b	04144	Endocytosis
192204	Ehd4,MGC91469,Past2	EH-domain containing 4	04144	Endocytosis
246324	Rab0,Rab31	RAB31, member RAS oncogene family	04144	Endocytosis
24716	Ret	ret proto-oncogene	04144	Endocytosis

25096	Pld1,Pld1a,Pld1b,Pld1a,Pldb	phospholipase D1	04144	Endocytosis
25267	APDGFR,PDGFACE,Pdgfra	platelet derived growth factor receptor, alpha polypeptide	04144	Endocytosis
25388	BARRRES2,Arrb2,MGC105502	arrestin, beta 2	04144	Endocytosis
25404	Cav,Cav1,MGC187299	caveolin 1, caveolae protein	04144	Endocytosis
25439	F2r,MGC93622,Par1,TRGPC	coagulation factor II (thrombin) receptor	04144	Endocytosis
25489	Nedd4,Nedd4a	neural precursor cell expressed, developmentally down-regulated 4	04144	Endocytosis
25717	MGC105479,Tgfb3	transforming growth factor, beta 3	04144	Endocytosis
25718	IGFIRC,Igf1r,JTK13	insulin-like growth factor 1 receptor	04144	Endocytosis
287709	Rab5c	RAB5C, member RAS oncogene family	04144	Endocytosis
288659	RGD1304576,Vps37b	vacuolar protein sorting 37 homolog B (S. cerevisiae)	04144	Endocytosis
291553	MGC105877,Nedd4l	neural precursor cell expressed, developmentally down-regulated 4-like	04144	Endocytosis
29161	Cav3,MGC105449	caveolin 3	04144	Endocytosis
29357	MGC156656,Madh2,Smad2	SMAD family member 2	04144	Endocytosis
293692	Ehd1,RGD1306960	EH-domain containing 1	04144	Endocytosis
29448	Rab7,Rab7a	RAB7A, member RAS oncogene family	04144	Endocytosis
29591	MGC93659,Tgfb1	transforming growth factor, beta receptor 1	04144	Endocytosis
296121	Usp8	ubiquitin specific peptidase 8	04144	Endocytosis
303614	RGD1310067,Smurf2	SMAD specific E3 ubiquitin protein ligase 2	04144	Endocytosis
305367	Arap2,Centd1	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2	04144	Endocytosis
308178	RGD1309258,Vps37c	vacuolar protein sorting 37 homolog C (S. cerevisiae)	04144	Endocytosis
311848	MGC105723,Sh3glb2	SH3-domain GRB2-like endophilin B2	04144	Endocytosis
312562	Zfyve20	zinc finger, FYVE domain containing 20	04144	Endocytosis
313477	Zfyve9	zinc finger, FYVE domain containing 9	04144	Endocytosis
314641	MGC124518,Pip5k1c	phosphatidylinositol-4-phosphate 5-kinase, type I, gamma	04144	Endocytosis
314764	Eea1	early endosome antigen 1	04144	Endocytosis
316611	Agap1,Centg2	ArfGAP with GTPase domain, ankyrin repeat and PH domain 1	04144	Endocytosis
360323	RT1-N2	RT1 class Ib, locus N2	04144	Endocytosis
362279	Pard6b	par-6 (partitioning defective 6) homolog beta (C. elegans)	04144	Endocytosis
404781	Iqsec3,sag	IQ motif and Sec7 domain 3	04144	Endocytosis
498650	RGD1562965,Rab11-FIP1,Rab11	RAB11 family interacting protein 1 (class I)	04144	Endocytosis
498798	RGD1564499,Stam	signal transducing adaptor molecule (SH3 domain and ITAM motif) 1	04144	Endocytosis
54190	Rabep1	rabaptin, RAB GTPase binding effector protein 1	04144	Endocytosis
59076	Gprk6,Grk6	G protein-coupled receptor kinase 6	04144	Endocytosis
60443	Epn2	epsin 2	04144	Endocytosis
64516	MGC93104,Vps45,Vsp45a	vacuolar protein sorting 45 homolog (S. cerevisiae)	04144	Endocytosis
64678	Tfrc,Trfr	transferrin receptor	04144	Endocytosis
681059	Vps25	vacuolar protein sorting 25 homolog (S. cerevisiae)	04144	Endocytosis
79434	Rab11b	RAB11B, member RAS oncogene family	04144	Endocytosis
81809	Tgfb2	transforming growth factor, beta 2	04144	Endocytosis
81830	Rab11a	RAB11a, member RAS oncogene family	04144	Endocytosis
25640	Hnf1b,LF-B3,MGC93549,Tcf2,Vf	HNF1 homeobox B	GO:0007492	endoderm development
289311	Mixl1	Mix1 homeobox-like 1 (Xenopus laevis)	GO:0007492	endoderm development
29300	Gata6	GATA binding protein 6	GO:0007492	endoderm development
29357	MGC156656,Madh2,Smad2	SMAD family member 2	GO:0007492	endoderm development
294503	Nodal	nodal homolog (mouse)	GO:0007492	endoderm development

297893	Hdac12	histone deacetylase 1	GO:0007492	endoderm development
304733	Epb4.115,Epb4115,MGC109531	erythrocyte protein band 4.1-like 5	GO:0007492	endoderm development
312936	Sox17	SRY (sex determining region Y)-box 17	GO:0007492	endoderm development
362741	Pax9	paired box 9	GO:0007492	endoderm development
501121	Cfc1,RGD1562188	cripto, FRL-1, cryptic family 1	GO:0007492	endoderm development
79237	Hex,Hhex	hematopoietically expressed homeobox	GO:0007492	endoderm development
81507	Bmpr1a	bone morphogenetic protein receptor, type IA	GO:0007492	endoderm development
25439	F2r,MGC93622,Par1,TRGPC	coagulation factor II (thrombin) receptor	GO:0007529	establishment of synaptic specificity at neu
290567	Chat	choline acetyltransferase	GO:0007529	establishment of synaptic specificity at neu
64845	Geph,Gphn	gephyrin	GO:0007529	establishment of synaptic specificity at neu
25267	APDGFRR,PDGFACR,Pdgfra	platelet derived growth factor receptor, alpha polypeptide	GO:0060325	face morphogenesis
312781	Lrp6	low density lipoprotein receptor-related protein 6	GO:0060325	face morphogenesis
360804	Cdk2ap1	CDK2-associated protein 1	GO:0060325	face morphogenesis
363165	Axud1,Csrnp1	cysteine-serine-rich nuclear protein 1	GO:0060325	face morphogenesis
679869	Tcf7l2	transcription factor 7-like 2 (T-cell specific, HMG-box)	GO:0060325	face morphogenesis
81686	Mmp2	matrix metalloproteinase 2	GO:0060325	face morphogenesis
24239	Cacna1c,RATIVS302	calcium channel, voltage-dependent, L type, alpha 1C subunit	GO:0042593	glucose homeostasis
24617	PAI1A,Pai1,Pai1aa,Planh,RATPA	serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor	GO:0042593	glucose homeostasis
24817	HNF1,Hnf1a,LF-B1,Lfb1,Tcf1	HNF1 homeobox A	GO:0042593	glucose homeostasis
25125	MGC93551,Stat3	signal transducer and activator of transcription 3	GO:0042593	glucose homeostasis
25285	IGF-BP5,Igfbp5	insulin-like growth factor binding protein 5	GO:0042593	glucose homeostasis
25334	Bhlha15,Bhlhb8,Mist1,bHLH	basic helix-loop-helix family, member a15	GO:0042593	glucose homeostasis
25549	MNAT,Slc18a2,VMAT2	solute carrier family 18 (vesicular monoamine), member 2	GO:0042593	glucose homeostasis
29161	Cav3,MGC105449	caveolin 3	GO:0042593	glucose homeostasis
294395	Rfx6,Rfxdc1	regulatory factor X, 6	GO:0042593	glucose homeostasis
29458	Neurod1	neurogenic differentiation 1	GO:0042593	glucose homeostasis
29560	Hif1a,MOP1	hypoxia-inducible factor 1, alpha subunit (basic helix-loop-helix transcrip	GO:0042593	glucose homeostasis
360549	Pls32,Plscr3	phospholipid scramblase 3	GO:0042593	glucose homeostasis
360801	Ncor2	nuclear receptor co-repressor 2	GO:0042593	glucose homeostasis
679869	Tcf7l2	transcription factor 7-like 2 (T-cell specific, HMG-box)	GO:0042593	glucose homeostasis
24316	D1a,Drd-1,Drd11,Drd1a	dopamine receptor D1A	GO:0046323	glucose import
24817	HNF1,Hnf1a,LF-B1,Lfb1,Tcf1	HNF1 homeobox A	GO:0046323	glucose import
83576	Nt3,Nts3,Sort1	sortilin 1	GO:0046323	glucose import
25211	Lysz,Lyz,Lyz1,Lyz21	lysozyme 2	GO:0000137	Golgi cis cisterna
311562	Apba2bp,Necab3	N-terminal EF-hand calcium binding protein 3	GO:0000137	Golgi cis cisterna
362750	Atl1,MGC109404,Spg3a	atlastin GTPase 1	GO:0000137	Golgi cis cisterna
94338	Smpd3,cca1	sphingomyelin phosphodiesterase 3, neutral membrane	GO:0000137	Golgi cis cisterna
192211	Prom-rp,Prom2,Promrp,Trprp	prominin 2	GO:0008083	growth factor activity
114111	Vegfc	vascular endothelial growth factor C	GO:0008083	growth factor activity
116562	Il2	interleukin 2	GO:0008083	growth factor activity
24482	Igf1	insulin-like growth factor 1	GO:0008083	growth factor activity
24827	RATTGFAA,TGFAA,Tgfa	transforming growth factor alpha	GO:0008083	growth factor activity
25196	Inhbb	inhibin beta-B	GO:0008083	growth factor activity
252941	Hdgfrp3	hepatoma-derived growth factor, related protein 3	GO:0008083	growth factor activity
25376	Ambn	ameloblastin	GO:0008083	growth factor activity

25608	Lep,OB,obese	leptin	GO:0008083	growth factor activity
25647	Il7	interleukin 7	GO:0008083	growth factor activity
25717	MGC105479,Tgfb3	transforming growth factor, beta 3	GO:0008083	growth factor activity
294503	Nodal	nodal homolog (mouse)	GO:0008083	growth factor activity
362572	Artn	artemin	GO:0008083	growth factor activity
498299	Lefty1,RGD1561867	left right determination factor 1	GO:0008083	growth factor activity
54190	Rabep1	rabaptin, RAB GTPase binding effector protein 1	GO:0008083	growth factor activity
64032	CTGRP,Ctgf	connective tissue growth factor	GO:0008083	growth factor activity
64549	Inhbc,MGC108687	inhibin beta C	GO:0008083	growth factor activity
680931	Bmp8a	bone morphogenetic protein 8a	GO:0008083	growth factor activity
79216	Gdf10	growth differentiation factor 10	GO:0008083	growth factor activity
81661	Gmfb,MGC93372	glia maturation factor, beta	GO:0008083	growth factor activity
81809	Tgfb2	transforming growth factor, beta 2	GO:0008083	growth factor activity
85272	BMP-7,Bmp7	bone morphogenetic protein 7	GO:0008083	growth factor activity
89811	Vegfb	vascular endothelial growth factor B	GO:0008083	growth factor activity
114109	Csx,Nkx2-5,Nkx2.5	NK2 transcription factor related, locus 5 (Drosophila)	GO:0001947	heart looping
24392	Cx43,Gja1,MGC93610	gap junction protein, alpha 1	GO:0001947	heart looping
294503	Nodal	nodal homolog (mouse)	GO:0001947	heart looping
29560	Hif1a,MOP1	hypoxia-inducible factor 1, alpha subunit (basic helix-loop-helix transcrip	GO:0001947	heart looping
312781	Lrp6	low density lipoprotein receptor-related protein 6	GO:0001947	heart looping
312936	Sox17	SRY (sex determining region Y)-box 17	GO:0001947	heart looping
315497	Tbx20	T-box 20	GO:0001947	heart looping
501121	Cfc1,RGD1562188	cripto, FRL-1, cryptic family 1	GO:0001947	heart looping
59112	Hand1,MGC114332,eHand	heart and neural crest derivatives expressed 1	GO:0001947	heart looping
291936	Hhip,RGD1564108	Hedgehog-interacting protein	04340	Hedgehog signaling pathway
29216	Lrp2	low density lipoprotein-related protein 2	04340	Hedgehog signaling pathway
303024	Fbxw11	F-box and WD repeat domain containing 11	04340	Hedgehog signaling pathway
303586	Wnt9b	wingless-type MMTV integration site family, member 9B	04340	Hedgehog signaling pathway
316526	Wnt6	wingless-type MMTV integration site family, member 6	04340	Hedgehog signaling pathway
361096	Zic2	Zic family member 2 (odd-paired homolog, Drosophila)	04340	Hedgehog signaling pathway
367242	Rab23	RAB23, member RAS oncogene family	04340	Hedgehog signaling pathway
64823	Csnk1g3	casein kinase 1, gamma 3	04340	Hedgehog signaling pathway
65278	Csnk1g2	casein kinase 1, gamma 2	04340	Hedgehog signaling pathway
680931	Bmp8a	bone morphogenetic protein 8a	04340	Hedgehog signaling pathway
84380	Dhh	desert hedgehog homolog (Drosophila)	04340	Hedgehog signaling pathway
84399	Ihh	Indian hedgehog	04340	Hedgehog signaling pathway
85272	BMP-7,Bmp7	bone morphogenetic protein 7	04340	Hedgehog signaling pathway
155430	Herp1,Hey2	hairy/enhancer-of-split related with YRPW motif 2	GO:0042826	histone deacetylase binding
207122	Pak-2,Pkn2,Prkcl2	protein kinase N2	GO:0042826	histone deacetylase binding
246297	Mycd,Myocd	myocardin	GO:0042826	histone deacetylase binding
24790	Sp1	Sp1 transcription factor	GO:0042826	histone deacetylase binding
291137	Gmnn	geminin	GO:0042826	histone deacetylase binding
291877	Cpsf5,MGC112766,Nudt21	nudix (nucleoside diphosphate linked moiety X)-type motif 21	GO:0042826	histone deacetylase binding
29560	Hif1a,MOP1	hypoxia-inducible factor 1, alpha subunit (basic helix-loop-helix transcrip	GO:0042826	histone deacetylase binding
297893	Hdac12	histone deacetylase 1	GO:0042826	histone deacetylase binding

300266	Cbx5	chromobox homolog 5 (HP1 alpha homolog, Drosophila)	GO:0042826	histone deacetylase binding
303539	Gcn5l2,Kat2a	K(lysine) acetyltransferase 2A	GO:0042826	histone deacetylase binding
304157	Nrip1,RIP140	nuclear receptor interacting protein 1	GO:0042826	histone deacetylase binding
360801	Ncor2	nuclear receptor co-repressor 2	GO:0042826	histone deacetylase binding
84350	Dnmt1	DNA (cytosine-5-)-methyltransferase 1	GO:0042826	histone deacetylase binding
116665	Arp2,Rere	arginine-glutamic acid dipeptide (RE) repeats	GO:0000118	histone deacetylase complex
297893	Hdac12	histone deacetylase 1	GO:0000118	histone deacetylase complex
300266	Cbx5	chromobox homolog 5 (HP1 alpha homolog, Drosophila)	GO:0000118	histone deacetylase complex
304157	Nrip1,RIP140	nuclear receptor interacting protein 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
170699	Atp2c1,MGC93231	ATPase, Ca <sup>++</sup> transporting, type 2C, member 1	GO:0016820	hydrolase activity acting on acid anhydride
24212	Atp1a2,RATATPA2	ATPase, Na <sup>+</sup> /K <sup>+</sup> transporting, alpha 2 polypeptide	GO:0016820	hydrolase activity acting on acid anhydride
24213	Atp1a3,Atpa1a3	ATPase, Na <sup>+</sup> /K <sup>+</sup> transporting, alpha 3 polypeptide	GO:0016820	hydrolase activity acting on acid anhydride
24215	Atp2b2,PMCA2	ATPase, Ca <sup>++</sup> transporting, plasma membrane 2	GO:0016820	hydrolase activity acting on acid anhydride
24218	Atp7b,Hts,PINA,Wd	ATPase, Cu <sup>++</sup> transporting, beta polypeptide	GO:0016820	hydrolase activity acting on acid anhydride
25391	Atp2a3,SERCA3	ATPase, Ca <sup>++</sup> transporting, ubiquitous	GO:0016820	hydrolase activity acting on acid anhydride
29598	Atp2b1,Pmca1a,Pmca1b,Pmca1	ATPase, Ca <sup>++</sup> transporting, plasma membrane 1	GO:0016820	hydrolase activity acting on acid anhydride
29600	Atp2b4,PMCA4	ATPase, Ca <sup>++</sup> transporting, plasma membrane 4	GO:0016820	hydrolase activity acting on acid anhydride
303856	Atp13a5,RGD1306792	ATPase type 13A5	GO:0016820	hydrolase activity acting on acid anhydride
368044	ATP6G,Atp6g2,Atp6v1g2,NG38	ATPase, H <sup>+</sup> transporting, lysosomal V1 subunit G2	GO:0016820	hydrolase activity acting on acid anhydride
685232	Atp6v1a,Atp6v1a1	ATPase, H <sup>+</sup> transporting, lysosomal V1 subunit A	GO:0016820	hydrolase activity acting on acid anhydride
309361	Chuk	conserved helix-loop-helix ubiquitous kinase	GO:0008385	IkappaB kinase complex
313121	Map3k7,Tak1	mitogen activated protein kinase kinase kinase 7	GO:0008385	IkappaB kinase complex
64371	Prdx3,Prx3	peroxiredoxin 3	GO:0008385	IkappaB kinase complex
84351	AIM-1,IKK2,Ikbbk	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase bet	GO:0008385	IkappaB kinase complex
170818	Icmt,MGC95322,fcmt	isoprenylcysteine carboxyl methyltransferase	GO:0001701	in utero embryonic development
24237	C6	complement component 6	GO:0001701	in utero embryonic development
114490	Cited2,MGC93288,Mrg1	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-termina	GO:0001701	in utero embryonic development
24326	ENDOR,Ednra1,Eta,RATENDOR	endothelin receptor type A	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
24410	Grin2b	glutamate receptor, ionotropic, N-methyl D-aspartate 2B	GO:0001701	in utero embryonic development
24790	Sp1	Sp1 transcription factor	GO:0001701	in utero embryonic development
24851	Alpha-tm,Tma2,Tmsa,Tpm1	tropomyosin 1, alpha	GO:0001701	in utero embryonic development
25099	Foxa2,Hnf3b	forkhead box A2	GO:0001701	in utero embryonic development
25267	APDGFR,PDGFACE,Pdgfra	platelet derived growth factor receptor, alpha polypeptide	GO:0001701	in utero embryonic development
25717	MGC105479,Tgfb3	transforming growth factor, beta 3	GO:0001701	in utero embryonic development
29300	Gata6	GATA binding protein 6	GO:0001701	in utero embryonic development
29357	MGC156656,Madh2,Smad2	SMAD family member 2	GO:0001701	in utero embryonic development
293960	Zfand5,Zfp216	zinc finger, AN1-type domain 5	GO:0001701	in utero embryonic development
294503	Nodal	nodal homolog (mouse)	GO:0001701	in utero embryonic development
29591	MGC93659,Tgfb1	transforming growth factor, beta receptor 1	GO:0001701	in utero embryonic development
29610	Tgfb1,betaglycan	transforming growth factor, beta receptor III	GO:0001701	in utero embryonic development
301555	Cul3,MGC189292	cullin 3	GO:0001701	in utero embryonic development

302993	Sox8	SRY (sex determining region Y)-box 8	GO:0001701	in utero embryonic development
303539	Gcn5l2,Kat2a	K(lysine) acetyltransferase 2A	GO:0001701	in utero embryonic development
303586	Wnt9b	wingless-type MMTV integration site family, member 9B	GO:0001701	in utero embryonic development
304486	RGD1566266,Tctn1	tectonic family member 1	GO:0001701	in utero embryonic development
304714	RGD1305001,Rrn3	RRN3 RNA polymerase I transcription factor homolog (S. cerevisiae)	GO:0001701	in utero embryonic development
304733	Epb4.1l5,Epb41l5,MGC109531	erythrocyte protein band 4.1-like 5	GO:0001701	in utero embryonic development
308523	Tshz3,Zfp537	teashirt zinc finger homeobox 3	GO:0001701	in utero embryonic development
314930	FOG-2,Zfpm2	zinc finger protein, multitype 2	GO:0001701	in utero embryonic development
360801	Ncor2	nuclear receptor co-repressor 2	GO:0001701	in utero embryonic development
360804	Cdk2ap1	CDK2-associated protein 1	GO:0001701	in utero embryonic development
362934	Ly6e	lymphocyte antigen 6 complex, locus E	GO:0001701	in utero embryonic development
497991	Med1,RGD1559552	mediator complex subunit 1	GO:0001701	in utero embryonic development
498003	Dusp32,MGC189429,RGD15600	dual specificity phosphatase 3	GO:0001701	in utero embryonic development
499966	RGD1564823,Xrcc2	X-ray repair complementing defective repair in Chinese hamster cells 2	GO:0001701	in utero embryonic development
59112	Hand1,MGC114332,eHand	heart and neural crest derivatives expressed 1	GO:0001701	in utero embryonic development
64188	Mafg	v-maf musculoaponeurotic fibrosarcoma oncogene homolog G (avian)	GO:0001701	in utero embryonic development
689890	Sfrs1,Srsf1	splicing factor, arginine/serine-rich 1	GO:0001701	in utero embryonic development
79257	Axin,Axin1	axin 1	GO:0001701	in utero embryonic development
81507	Bmpr1a	bone morphogenetic protein receptor, type IA	GO:0001701	in utero embryonic development
81816	HR6B,Ube2b	ubiquitin-conjugating enzyme E2B (RAD6 homolog, S. cerevisiae)	GO:0001701	in utero embryonic development
84395	Slc34a2	solute carrier family 34 (sodium phosphate), member 2	GO:0001701	in utero embryonic development
84399	Ihh	Indian hedgehog	GO:0001701	in utero embryonic development
94202	Pcptp1,Ptprr	protein tyrosine phosphatase, receptor type, R	GO:0001701	in utero embryonic development
116996	Il16	interleukin 16	GO:0050930	induction of positive chemotaxis
114111	Vegfc	vascular endothelial growth factor C	GO:0050930	induction of positive chemotaxis
24772	Cxcl12,Sdf1	chemokine (C-X-C motif) ligand 12 (stromal cell-derived factor 1)	GO:0050930	induction of positive chemotaxis
25459	Ac2-008,Hmg1,Hmgb11,MGC93	high mobility group box 1	GO:0050930	induction of positive chemotaxis
362572	Artn	artemin	GO:0050930	induction of positive chemotaxis
89811	Vegfb	vascular endothelial growth factor B	GO:0050930	induction of positive chemotaxis
116839	Nim22,Rim2,Rims2	regulating synaptic membrane exocytosis 2	GO:0030073	insulin secretion
24239	Cacna1c,RAT1VS302	calcium channel, voltage-dependent, L type, alpha 1C subunit	GO:0030073	insulin secretion
114095	MGC112606,Munc18-c,Stxbp3	syntaxin binding protein 3	GO:0030073	insulin secretion
24817	HNF1,Hnf1a,LF-B1,Lfb1,Tcf1	HNF1 homeobox A	GO:0030073	insulin secretion
25549	MNAT,Slc18a2,VMAT2	solute carrier family 18 (vesicular monoamine), member 2	GO:0030073	insulin secretion
25608	Lep,OB,obese	leptin	GO:0030073	insulin secretion
25640	Hnf1b,LF-B3,MGC93549,Tcf2,Vf	HNF1 homeobox B	GO:0030073	insulin secretion
29357	MGC156656,Madh2,Smad2	SMAD family member 2	GO:0030073	insulin secretion
29458	Neurod1	neurogenic differentiation 1	GO:0030073	insulin secretion
501005	Cplx3,RGD1560104	complexin 3	GO:0030073	insulin secretion
56768	Pclo,aczonin	piccolo (presynaptic cytomatrix protein)	GO:0030073	insulin secretion
60582	IL-1ra,Il1rn	interleukin 1 receptor antagonist	GO:0030073	insulin secretion
116721	Abcc5,Abcc5a,MGC156604,Mrf	ATP-binding cassette, subfamily C (CFTR/MRP), member 5	GO:0016021	integral to membrane
116741	Cnr12,MGC93781,Pcdha4	protocadherin alpha 4	GO:0016021	integral to membrane
117035	MGC93269,Slc25a20	solute carrier family 25 (carnitine/acylcarnitine translocase), member 2	GO:0016021	integral to membrane
117101	KShIID,Kcnc3	potassium voltage gated channel, Shaw-related subfamily, member 3	GO:0016021	integral to membrane

117105	Kcnb2,Kv2.2	potassium voltage gated channel, Shab-related subfamily, member 2	GO:0016021	integral to membrane
117264	P2ry6,P2y6	pyrimidinergic receptor P2Y, G-protein coupled, 6	GO:0016021	integral to membrane
117513	Sec22a,Sec22I2	SEC22 vesicle trafficking protein homolog A (S. cerevisiae)	GO:0016021	integral to membrane
140595	Gir,Gpr83	G protein-coupled receptor 83	GO:0016021	integral to membrane
140914	LOX-1,Oldlr1,Oldr1,Olr11	oxidized low density lipoprotein (lectin-like) receptor 1	GO:0016021	integral to membrane
140945	Rtn3	reticulon 3	GO:0016021	integral to membrane
155192	Abcg8	ATP-binding cassette, subfamily G (WHITE), member 8	GO:0016021	integral to membrane
156873	Kcnk15	potassium channel, subfamily K, member 15	GO:0016021	integral to membrane
170672	MGC112589,Nphs2,podocin	nephrosis 2 homolog (human)	GO:0016021	integral to membrane
170699	Atp2c1,MGC93231	ATPase, Ca <sup>++</sup> transporting, type 2C, member 1	GO:0016021	integral to membrane
170816	Olftr78,Olr59,Or51e2,RA1c	olfactory receptor 59	GO:0016021	integral to membrane
170818	Icmt,MGC95322,fcmt	isoprenylcysteine carboxyl methyltransferase	GO:0016021	integral to membrane
170840	Fpn1,Slc11a3,Slc39a11,Slc40a1	solute carrier family 39 (iron-regulated transporter), member 1	GO:0016021	integral to membrane
170848	Kcnq2	potassium voltage-gated channel, KQT-like subfamily, member 2	GO:0016021	integral to membrane
170905	Lfng	LFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase	GO:0016021	integral to membrane
170913	Abcb12,Abcb1a,Mdr1a	ATP-binding cassette, sub-family B (MDR/TAP), member 1A	GO:0016021	integral to membrane
170927	Clcc1,Mclc	chloride channel CLIC-like 1	GO:0016021	integral to membrane
170943	Dic,MGC93224,Slc25a10	solute carrier family 25 (mitochondrial carrier; dicarboxylate transporter)	GO:0016021	integral to membrane
171044	SSTR,Ssstr28,Sstr3	somatostatin receptor 3	GO:0016021	integral to membrane
171064	DORA,Igsf6	immunoglobulin superfamily, member 6	GO:0016021	integral to membrane
171083	Cda08,Iftg1,MGC93216	integrin alpha FG-GAP repeat containing 1	GO:0016021	integral to membrane
171143	LTrpC-4,Mls2s,Trpm4	transient receptor potential cation channel, subfamily M, member 4	GO:0016021	integral to membrane
171144	OATP-E,Slc21a12,Slco4a1	solute carrier organic anion transporter family, member 4a1	GO:0016021	integral to membrane
171151	Odc12,MGC105329,Slc25a21	solute carrier family 25 (mitochondrial oxodicarboxylate carrier), member 21	GO:0016021	integral to membrane
171411	Lr8,MGC72697,Tmem176b,Tori	transmembrane protein 176B	GO:0016021	integral to membrane
192107	Prss8	protease, serine, 8	GO:0016021	integral to membrane
192152	MGC108592,Tgn38,Tgoln1,Tgol	trans-golgi network protein	GO:0016021	integral to membrane
192181	PC,PCLP-1,Podxl,podocalyxin	podocalyxin-like	GO:0016021	integral to membrane
192211	Prom-rp,Prom2,Promrp,Trprp	prominin 2	GO:0016021	integral to membrane
192248	Cdh13,Cdht,MGC93172,T-cadherin	cadherin 13	GO:0016021	integral to membrane
24162	Acp2,LAP1	acid phosphatase 2, lysosomal	GO:0016021	integral to membrane
24174	Adra2b	adrenergic, alpha-2B-, receptor	GO:0016021	integral to membrane
24212	Atp1a2,RATATPA2	ATPase, Na <sup>+</sup> /K <sup>+</sup> transporting, alpha 2 polypeptide	GO:0016021	integral to membrane
24213	Atp1a3,Atpa1a3	ATPase, Na <sup>+</sup> /K <sup>+</sup> transporting, alpha 3 polypeptide	GO:0016021	integral to membrane
24215	Atp2b2,PMCA2	ATPase, Ca <sup>++</sup> transporting, plasma membrane 2	GO:0016021	integral to membrane
24218	Atp7b,Hts,PINA,Wd	ATPase, Cu <sup>++</sup> transporting, beta polypeptide	GO:0016021	integral to membrane
24224	Bcl-2,Bcl2	B-cell CLL/lymphoma 2	GO:0016021	integral to membrane
24239	Cacna1c,RATIVS302	calcium channel, voltage-dependent, L type, alpha 1C subunit	GO:0016021	integral to membrane
24255	Cftr,RGD1561193	cystic fibrosis transmembrane conductance regulator homolog (human)	GO:0016021	integral to membrane
24267	Comt	catechol-O-methyltransferase	GO:0016021	integral to membrane
100125362	LOC100125362,MGC109299	hypothetical protein LOC100125362	GO:0016021	integral to membrane
100134827	Hiat1	hippocampus abundant gene transcript 1	GO:0016021	integral to membrane
100188936	LOC100188936,MGC188592	hypothetical protein LOC100188936	GO:0016021	integral to membrane
113975	Pom121	nuclear pore membrane protein 121	GO:0016021	integral to membrane
114506	Ank,Ankh	ankylosis, progressive homolog (mouse)	GO:0016021	integral to membrane



114628	Abcg5	ATP-binding cassette, subfamily G (WHITE), member 5	GO:0016021	integral to membrane
116478	ARMS,Kidins220	kinase D-interacting substrate 220	GO:0016021	integral to membrane
116595	Nrxn2	neurexin 2	GO:0016021	integral to membrane
116673	Sdc3	syndecan 3	GO:0016021	integral to membrane
116677	F2r11,Par-2,Par2	coagulation factor II (thrombin) receptor-like 1	GO:0016021	integral to membrane
116690	NF,Nfasc	neurofascin	GO:0016021	integral to membrane
24316	D1a,Drd-1,Drd11,Drd1a	dopamine receptor D1A	GO:0016021	integral to membrane
24326	ENDOR,Ednra1,Eta,RATENDOR	endothelin receptor type A	GO:0016021	integral to membrane
24410	Grin2b	glutamate receptor, ionotropic, N-methyl D-aspartate 2B	GO:0016021	integral to membrane
24499	IL6R1,Il6r,Il6ra	interleukin 6 receptor	GO:0016021	integral to membrane
24558	MGC105427,Mog	myelin oligodendrocyte glycoprotein	GO:0016021	integral to membrane
24590	CD10,MGC93576,Mme1,Nep	membrane metallo endopeptidase	GO:0016021	integral to membrane
245919	Impg2,Pg10.2	interphotoreceptor matrix proteoglycan 2	GO:0016021	integral to membrane
245921	Acvr1c,Alk-7,Alk7,habrec1	activin A receptor, type IC	GO:0016021	integral to membrane
24596	LNGFR,Ngfr,RNNGFR,p75,p75l	nerve growth factor receptor (TNFR superfamily, member 16)	GO:0016021	integral to membrane
245966	Tm6p1,Tmem150,Tmem150a	transmembrane protein 150A	GO:0016021	integral to membrane
245977	Gpr116,Gprhep,Ig-Hepta	G protein-coupled receptor 116	GO:0016021	integral to membrane
246046	Lmbrd1	LMBR1 domain containing 1	GO:0016021	integral to membrane
246074	Scd1	stearoyl-Coenzyme A desaturase 1	GO:0016021	integral to membrane
246115	Ppap2c	phosphatidic acid phosphatase type 2c	GO:0016021	integral to membrane
24613	Oprd1	opioid receptor, delta 1	GO:0016021	integral to membrane
246215	Tpcn1	two pore segment channel 1	GO:0016021	integral to membrane
246235	Pat2,Slc36a2,Tramd1	solute carrier family 36 (proton/amino acid symporter), member 2	GO:0016021	integral to membrane
246245	Fmo2	flavin containing monooxygenase 2	GO:0016021	integral to membrane
246314	Lap1b,Lap1c,MGC93149,Tor1ai	torsin A interacting protein 1	GO:0016021	integral to membrane
246331	Nrp2,Nrp1	neuropilin 1	GO:0016021	integral to membrane
24699	CD45,L-CA,Lca,Ptpnc,RT7,T200	protein tyrosine phosphatase, receptor type, C	GO:0016021	integral to membrane
24766	NachII,Nav1.2,RII/RIIA,RNSCPIIF	sodium channel, voltage-gated, type II, alpha 1	GO:0016021	integral to membrane
24768	ENaC,Scnn1g	sodium channel, nonvoltage-gated 1, gamma	GO:0016021	integral to membrane
24778	GLUTB,GTG1,Glut1,Gtg3,RATG1	solute carrier family 2 (facilitated glucose transporter), member 1	GO:0016021	integral to membrane
24784	Nhe3,Slc9a3	solute carrier family 9 (sodium/hydrogen exchanger), member 3	GO:0016021	integral to membrane
24803	RATVAMPB,RATVAMPIR,SYB,SY	vesicle-associated membrane protein 2	GO:0016021	integral to membrane
24805	RATSYNII,SYNII,Syt2	synaptotagmin II	GO:0016021	integral to membrane
24807	Tac1r,Tacr1	tachykinin receptor 1	GO:0016021	integral to membrane
24811	Abcb2,Cim1,MGC124549,Tap1	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)	GO:0016021	integral to membrane
24812	Cim2,Abcb3,MGC108646,Tap2	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	GO:0016021	integral to membrane
24923	Stx1b,Stx1b2,Stx21	syntaxin 1B	GO:0016021	integral to membrane
24932	Cd4,W3/25,p551	Cd4 molecule	GO:0016021	integral to membrane
24934	Klrk1,NKG2D,Nkrp2	killer cell lectin-like receptor subfamily K, member 1	GO:0016021	integral to membrane
24936	Cd9	CD9 molecule	GO:0016021	integral to membrane
25066	PVR,Taa1,Tage4	poliovirus receptor	GO:0016021	integral to membrane
25102	Chrna5	cholinergic receptor, nicotinic, alpha 5	GO:0016021	integral to membrane
25111	Chrm4,M4	cholinergic receptor, muscarinic 4	GO:0016021	integral to membrane
25116	Hsd11b1,LRRGT00065	hydroxysteroid 11-beta dehydrogenase 1	GO:0016021	integral to membrane
25133	Pcdh3,Pcdhb12	protocadherin beta 12	GO:0016021	integral to membrane

25153	Mas1,c-mas	MAS1 oncogene	GO:0016021	integral to membrane
25167	LRP,MGC93561,Ptpra	protein tyrosine phosphatase, receptor type, A	GO:0016021	integral to membrane
25216	HSPG1,SYNDECA,Sdc1,Synd1,Sy	syndecan 1	GO:0016021	integral to membrane
25240	Aqp1,CHIP28	aquaporin 1	GO:0016021	integral to membrane
25248	Cnr11,SKR6R	cannabinoid receptor 1 (brain)	GO:0016021	integral to membrane
25263	MALGENE,Mal	mal, T-cell differentiation protein	GO:0016021	integral to membrane
25270	Abcd3,PMP70,Pxmp1	ATP-binding cassette, subfamily D (ALD), member 3	GO:0016021	integral to membrane
252889	Tmed7	transmembrane emp24 protein transport domain containing 7	GO:0016021	integral to membrane
25289	ACVI,ADCYB,Adcy6	adenylate cyclase 6	GO:0016021	integral to membrane
252900	Dgat2,MGC108863	diacylglycerol O-acyltransferase homolog 2 (mouse)	GO:0016021	integral to membrane
25327	KShIIIB,Kcnc1,Kv3.1,Kv41,NGK2	potassium voltage gated channel, Shaw-related subfamily, member 1	GO:0016021	integral to membrane
25362	Slc30a2,Znt-2,Znt2	solute carrier family 30 (zinc transporter), member 2	GO:0016021	integral to membrane
25370	Adora3	adenosine A3 receptor	GO:0016021	integral to membrane
25391	Atp2a3,SERCA3	ATPase, Ca <sup>++</sup> transporting, ubiquitous	GO:0016021	integral to membrane
25404	Cav,Cav1,MGC187299	caveolin 1, caveolae protein	GO:0016021	integral to membrane
25427	Cyp51,Cyp51a1,MGC93630,RAT	cytochrome P450, family 51	GO:0016021	integral to membrane
25430	5DI,Dio1,ITDI1,MGC93462,TXDI	deiodinase, iodothyronine, type I	GO:0016021	integral to membrane
25439	F2r,MGC93622,Par1,TRGPC	coagulation factor II (thrombin) receptor	GO:0016021	integral to membrane
25505	P2XMR,P2rx1	purinergic receptor P2X, ligand-gated ion channel, 1	GO:0016021	integral to membrane
25549	MNAT,Slc18a2,VMAT2	solute carrier family 18 (vesicular monoamine), member 2	GO:0016021	integral to membrane
25570	Trhr	thyrotropin releasing hormone receptor	GO:0016021	integral to membrane
25613	Ptprz1,Ptpz	protein tyrosine phosphatase, receptor-type, Z polypeptide 1	GO:0016021	integral to membrane
25624	Syb1,Vamp1	vesicle-associated membrane protein 1	GO:0016021	integral to membrane
25648	Atrc1,CAT1,Cat-1,Slc7a1	solute carrier family 7 (cationic amino acid transporter, y <sup>+</sup> system), member 1	GO:0016021	integral to membrane
25655	CXN37,Gja4	gap junction protein, alpha 4	GO:0016021	integral to membrane
25675	3H3M,Hmgcr	3-hydroxy-3-methylglutaryl-Coenzyme A reductase	GO:0016021	integral to membrane
25694	Has2	hyaluronan synthase 2	GO:0016021	integral to membrane
25696	Vldlr	very low density lipoprotein receptor	GO:0016021	integral to membrane
25715	Dmt1,Nramp2,Slc11a2	solute carrier family 11 (proton-coupled divalent metal ion transporters)	GO:0016021	integral to membrane
25718	IGFIRC,Igf1r,JTK13	insulin-like growth factor 1 receptor	GO:0016021	integral to membrane
266685	Udpgt3,Rlug38,UDPGT 2B5,Udpgtr2	UDP glucuronosyltransferase 2 family, polypeptide B5	GO:0016021	integral to membrane
266760	Nalcn,Vgcnl1	sodium leak channel, non-selective	GO:0016021	integral to membrane
266767	Slc17a8,Vglut3	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter)	GO:0016021	integral to membrane
266770	Acat-2,Soat2	sterol O-acyltransferase 2	GO:0016021	integral to membrane
266771	V1ra16,Vom1r90	vomer nasal 1 receptor 90	GO:0016021	integral to membrane
276720	Kcnj14,Kir2.4	potassium inwardly-rectifying channel, subfamily J, member 14	GO:0016021	integral to membrane
286910	Nid67	putative small membrane protein NID67	GO:0016021	integral to membrane
286934	Havcr1,KIM-1,Kim1	hepatitis A virus cellular receptor 1	GO:0016021	integral to membrane
286939	ACAM,Asam,CLMP,OI16	adipocyte-specific adhesion molecule	GO:0016021	integral to membrane
286954	Ugt2b172,2B1,Udpgtr2,Ugt2b1	UDP glucuronosyltransferase 2 family, polypeptide B1	GO:0016021	integral to membrane
286970	Abca5	ATP-binding cassette, subfamily A (ABC1), member 5	GO:0016021	integral to membrane
286981	Vom2r32	vomer nasal 2 receptor, 32	GO:0016021	integral to membrane
286989	UDPGT 2B7,Ugt2b7,Ugt2b8	UDP glucuronosyltransferase 2 family, polypeptide B7	GO:0016021	integral to membrane
286994	Gpr48,Lgr4	leucine-rich repeat-containing G protein-coupled receptor 4	GO:0016021	integral to membrane
287159	MGC93737,Pigq	phosphatidylinositol glycan anchor biosynthesis, class Q	GO:0016021	integral to membrane

287633	Lrrc59,MGC105677	leucine rich repeat containing 59	GO:0016021	integral to membrane
287920	Siat7A,St6galnac1	ST6 (alpha-N-acetyl-neuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalacto	GO:0016021	integral to membrane
288264	Ifnar1	interferon (alpha, beta and omega) receptor 1	GO:0016021	integral to membrane
288280	Ncam2,OCAM-GPI,Ocam	neural cell adhesion molecule 2	GO:0016021	integral to membrane
289034	RGD1309892,Tmem183,Tmem1	transmembrane protein 183A	GO:0016021	integral to membrane
289196	MGC109554,Tmco1	transmembrane and coiled-coil domains 1	GO:0016021	integral to membrane
289211	FCRII,Fcgr2,Fcgr2b	Fc fragment of IgG, low affinity IIb, receptor (CD32)	GO:0016021	integral to membrane
289392	Plxna2	plexin A2	GO:0016021	integral to membrane
290596	Ghitm,MGC94737,MICS1	growth hormone inducible transmembrane protein	GO:0016021	integral to membrane
290789	Cldn23,MGC124737	claudin 23	GO:0016021	integral to membrane
291212	B3galnt2,RGD1306946	beta-1,3-N-acetylgalactosaminyltransferase 2	GO:0016021	integral to membrane
291352	Gpr158	G protein-coupled receptor 158	GO:0016021	integral to membrane
29140	Snn	stannin	GO:0016021	integral to membrane
29161	Cav3,MGC105449	caveolin 3	GO:0016021	integral to membrane
292090	Galnt2	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosamin	GO:0016021	integral to membrane
29216	Lrp2	low density lipoprotein-related protein 2	GO:0016021	integral to membrane
293098	RGD1309948,Tmem135	transmembrane protein 135	GO:0016021	integral to membrane
293113	RGD1305677,Tmem126a	transmembrane protein 126A	GO:0016021	integral to membrane
293415	RGD1310775,Tmem9b	TMEM9 domain family, member B	GO:0016021	integral to membrane
29358	MGC109393,NPY-1,Npy1r	neuropeptide Y receptor Y1	GO:0016021	integral to membrane
293749	MGC94557,Ms4a6b	membrane-spanning 4-domains, subfamily A, member 6B	GO:0016021	integral to membrane
294043	Sorcs3	sortilin-related VPS10 domain containing receptor 3	GO:0016021	integral to membrane
294065	Kcnv2	potassium channel, subfamily V, member 2	GO:0016021	integral to membrane
294380	Lrrtm3	leucine rich repeat transmembrane neuronal 3	GO:0016021	integral to membrane
29476	Glg1,MG-160,Selel	golgi apparatus protein 1	GO:0016021	integral to membrane
29482	Eaat2,Glt,Glt-1,Slc1a2	solute carrier family 1 (glial high affinity glutamate transporter), membe	GO:0016021	integral to membrane
29504	Slc22a3	solute carrier family 22 (extraneuronal monoamine transporter), memb	GO:0016021	integral to membrane
29521	Scamp1	secretory carrier membrane protein 1	GO:0016021	integral to membrane
295235	Ssr2	signal sequence receptor, beta	GO:0016021	integral to membrane
29528	MGC108618,Vamp3	vesicle-associated membrane protein 3	GO:0016021	integral to membrane
295455	MGC108852,Slc39a8	solute carrier family 39 (zinc transporter), member 8	GO:0016021	integral to membrane
29555	Vipr2	vasoactive intestinal peptide receptor 2	GO:0016021	integral to membrane
29591	MGC93659,Tgfb1	transforming growth factor, beta receptor 1	GO:0016021	integral to membrane
295922	Hspc032,Mtch2	mitochondrial carrier homolog 2 (C. elegans)	GO:0016021	integral to membrane
29598	Atp2b1,Pmca1a,Pmca1b,Pmca1	ATPase, Ca <sup>++</sup> transporting, plasma membrane 1	GO:0016021	integral to membrane
29602	Ptgrn	prostaglandin F2 receptor negative regulator	GO:0016021	integral to membrane
29610	Tgfb1,taglycan	transforming growth factor, beta receptor III	GO:0016021	integral to membrane
296153	Tmc2	transmembrane channel-like 2	GO:0016021	integral to membrane
29629	GluA4,GluR-D,GluR4,Gria4	glutamate receptor, ionotropic, AMPA 4	GO:0016021	integral to membrane
29636	F2rl2,PAR3	coagulation factor II (thrombin) receptor-like 2	GO:0016021	integral to membrane
29641	7,ADAM,ADAM 7,Adam7,EAP,E	ADAM metallopeptidase domain 7	GO:0016021	integral to membrane
29642	Ata2,Atrc2,Sat21,Slc38a2,Snat2	solute carrier family 38, member 2	GO:0016021	integral to membrane
29701	NaN,Scn11a	sodium channel, voltage-gated, type XI, alpha	GO:0016021	integral to membrane
29707	Gabra5	gamma-aminobutyric acid (GABA) A receptor, alpha 5	GO:0016021	integral to membrane
29714	Ptprn2	protein tyrosine phosphatase, receptor type, N polypeptide 2	GO:0016021	integral to membrane

29719	Kcnj16,Kir5.1	potassium inwardly-rectifying channel, subfamily J, member 16	GO:0016021	integral to membrane
29726	CT1,OCTN2,Slc22a5,UST2r	solute carrier family 22 (organic cation/carnitine transporter), member 1	GO:0016021	integral to membrane
29737	Kcnab1,KvBeta3,MGC105463	potassium voltage-gated channel, shaker-related subfamily, beta member 3	GO:0016021	integral to membrane
29747	Kcnmb1	potassium large conductance calcium-activated channel, subfamily M, member 1	GO:0016021	integral to membrane
29758	Siat7c,St6galnac3	ST6 (alpha-N-acetyl-neuraminy-2,3-beta-galactosyl-1,3)-N-acetylglucosaminyl transferase 6	GO:0016021	integral to membrane
297801	XRG4,Xkr4	XK, Kell blood group complex subunit-related family, member 4	GO:0016021	integral to membrane
297952	Gpr63	G protein-coupled receptor 63	GO:0016021	integral to membrane
298436	MGC93753,Tspan1	tetraspanin 1	GO:0016021	integral to membrane
298943	Bcap29,MGC93926	B-cell receptor-associated protein 29	GO:0016021	integral to membrane
299139	Slc38a6,Snat6	solute carrier family 38, member 6	GO:0016021	integral to membrane
299864	Ebag9,MGC94627	estrogen receptor binding site associated, antigen, 9	GO:0016021	integral to membrane
300173	Glt8d3,Gxylt1	glycosyltransferase 8 domain containing 3	GO:0016021	integral to membrane
300649	Crtam	cytotoxic and regulatory T cell molecule	GO:0016021	integral to membrane
300666	C2cd2l,Tmem24	C2 calcium-dependent domain containing 2-like	GO:0016021	integral to membrane
300668	Dpagt1,H2afx1	dolichyl-phosphate (UDP-N-acetylglucosamine) N-acetylglucosaminyl transferase 1	GO:0016021	integral to membrane
301013	MGC94600,Shisa5	shisa homolog 5 ( <i>Xenopus laevis</i> )	GO:0016021	integral to membrane
301086	Xcr1	chemokine (C motif) receptor 1	GO:0016021	integral to membrane
301245	C6orf109,KLIP1,LRRGT00110,M	Yip1 domain family, member 3	GO:0016021	integral to membrane
301372	Gpr45	G protein-coupled receptor 45	GO:0016021	integral to membrane
303330	MGC105541,RGD1307423,Tmem	transmembrane protein 97	GO:0016021	integral to membrane
303505	Arl12,Plxdc1	plexin domain containing 1	GO:0016021	integral to membrane
303601	Cyb561	cytochrome b-561	GO:0016021	integral to membrane
303676	MGC93911,Slc25a19	solute carrier family 25 (mitochondrial thiamine pyrophosphate carrier)	GO:0016021	integral to membrane
303801	Lamp3	lysosomal-associated membrane protein 3	GO:0016021	integral to membrane
303856	Atp13a5,RGD1306792	ATPase type 13A5	GO:0016021	integral to membrane
303901	Sema5b	sema domain, seven thrombospondin repeats (type 1 and type 1-like), type 5	GO:0016021	integral to membrane
303902	Dirc2	disrupted in renal carcinoma 2 (human)	GO:0016021	integral to membrane
303926	Igsf11,MGC94879	immunoglobulin superfamily, member 11	GO:0016021	integral to membrane
304091	Il10rb,RGD1560373	interleukin 10 receptor, beta	GO:0016021	integral to membrane
304208	Lass4	LAG1 homolog, ceramide synthase 4	GO:0016021	integral to membrane
304286	Lmtk2	lemur tyrosine kinase 2	GO:0016021	integral to membrane
304881	MGC72610,Tor1aip2	torsin A interacting protein 2	GO:0016021	integral to membrane
305438	Sorcs2	sortilin-related VPS10 domain containing receptor 2	GO:0016021	integral to membrane
305502	RGD1306319,Tmed4	transmembrane emp24 protein transport domain containing 4	GO:0016021	integral to membrane
305581	Pex13	peroxisomal biogenesis factor 13	GO:0016021	integral to membrane
305880	Lrp10,MGC124814	low-density lipoprotein receptor-related protein 10	GO:0016021	integral to membrane
306081	Pcdh20	protocadherin 20	GO:0016021	integral to membrane
306285	MGC91393,Syt15,sytXV	synaptotagmin XV	GO:0016021	integral to membrane
306439	Gpm6a,M6a	glycoprotein m6a	GO:0016021	integral to membrane
306451	Odz3	odz, odd Oz/ten-m homolog 3 ( <i>Drosophila</i> )	GO:0016021	integral to membrane
306454	Cldn22	claudin 22	GO:0016021	integral to membrane
306549	MGC114531,RGD1310810,Sgk1	protein kinase-like protein Sgk196	GO:0016021	integral to membrane
306687	Hiat1,RGD1308377	hippocampus abundant transcript-like 1	GO:0016021	integral to membrane
306860	Gcnt2,Ignt	glucosaminyl (N-acetyl) transferase 2, I-branching enzyme	GO:0016021	integral to membrane
307900	Kcng4	potassium voltage-gated channel, subfamily G, member 4	GO:0016021	integral to membrane

308028	Slc2a12	solute carrier family 2 (facilitated glucose transporter), member 12	GO:0016021	integral to membrane
308453	Adck4	aarF domain containing kinase 4	GO:0016021	integral to membrane
308716	Il20ra	interleukin 20 receptor, alpha	GO:0016021	integral to membrane
308717	Slc35d3	solute carrier family 35, member D3	GO:0016021	integral to membrane
308912	Dchs1,Pcdh16	dachsous 1 (Drosophila)	GO:0016021	integral to membrane
309153	Rce1	RCE1 homolog, prenyl protein peptidase (S. cerevisiae)	GO:0016021	integral to membrane
309158	RGD1310680,Tmem151a	transmembrane protein 151A	GO:0016021	integral to membrane
309207	Dagla,Nsddr	diacylglycerol lipase, alpha	GO:0016021	integral to membrane
309400	Tmem2	transmembrane protein 2	GO:0016021	integral to membrane
309456	MGC188498,Opal1,RGD130579	similar to hypothetical protein FLJ20154	GO:0016021	integral to membrane
309499	Fer1l3,Myof,RGD1564216	myoferlin	GO:0016021	integral to membrane
309533	Sorcs1	sortilin-related VPS10 domain containing receptor 1	GO:0016021	integral to membrane
309724	Tmem26	transmembrane protein 26	GO:0016021	integral to membrane
310207	Sema5a	sema domain, seven thrombospondin repeats (type 1 and type 1-like), t	GO:0016021	integral to membrane
310526	Golim4,Golph4	golgi integral membrane protein 4	GO:0016021	integral to membrane
310540	Ened,Fam198b,MGC72614	family with sequence similarity 198, member B	GO:0016021	integral to membrane
310630	Sema4a	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM)	GO:0016021	integral to membrane
310732	Slc22a15	solute carrier family 22, member 15	GO:0016021	integral to membrane
310780	Gpr61	G protein-coupled receptor 61	GO:0016021	integral to membrane
311061	Itgb6,MGC94023	integrin, beta 6	GO:0016021	integral to membrane
311209	Tp53i11,Trp53i11	tumor protein p53 inducible protein 11	GO:0016021	integral to membrane
311423	Slc4a11	solute carrier family 4, sodium borate transporter, member 11	GO:0016021	integral to membrane
311426	Siglec1,Sn	sialic acid binding Ig-like lectin 1, sialoadhesin	GO:0016021	integral to membrane
311549	Xkr7	XK, Kell blood group complex subunit-related family, member 7	GO:0016021	integral to membrane
311651	Slc9a8	solute carrier family 9 (sodium/hydrogen exchanger), member 8	GO:0016021	integral to membrane
311730	Gpr155	G protein-coupled receptor 155	GO:0016021	integral to membrane
311857	Gpr107	G protein-coupled receptor 107	GO:0016021	integral to membrane
312728	RGD1304740,Tspan9	tetraspanin 9	GO:0016021	integral to membrane
312781	Lrp6	low density lipoprotein receptor-related protein 6	GO:0016021	integral to membrane
313067	Tmem67,Wpk	transmembrane protein 67	GO:0016021	integral to membrane
313139	Slc35a1	solute carrier family 35 (CMP-sialic acid transporter), member A1	GO:0016021	integral to membrane
313755	Mell1,Mmel1,NEP2,NEPII	membrane metallo-endopeptidase-like 1	GO:0016021	integral to membrane
313997	Mboat2,Oact2	membrane bound O-acyltransferase domain containing 2	GO:0016021	integral to membrane
314164	Lrfn5	leucine rich repeat and fibronectin type III domain containing 5	GO:0016021	integral to membrane
314352	Sel1h,Sel1l	sel-1 suppressor of lin-12-like (C. elegans)	GO:0016021	integral to membrane
314648	Ncln,RGD1309355	nicalin homolog (zebrafish)	GO:0016021	integral to membrane
314751	RGD1307241,Tmcc3	transmembrane and coiled-coil domain family 3	GO:0016021	integral to membrane
314785	RGD1306351,Tmtc3	transmembrane and tetratricopeptide repeat containing 3	GO:0016021	integral to membrane
315023	RGD1565789,Slc25a32	solute carrier family 25, member 32	GO:0016021	integral to membrane
315047	Laptm4b	lysosomal protein transmembrane 4 beta	GO:0016021	integral to membrane
315131	Kdelr3	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention recept	GO:0016021	integral to membrane
315439	Slc36a4	solute carrier family 36 (proton/amino acid symporter), member 4	GO:0016021	integral to membrane
315524	MGC124767,RGD1305586,Tmei	transmembrane protein 45b	GO:0016021	integral to membrane
315546	Kirrel3	kin of IRRE like 3 (Drosophila)	GO:0016021	integral to membrane
315806	Prtg,RGD1307157	protogenin homolog (Gallus gallus)	GO:0016021	integral to membrane

316062	Slc22a13	solute carrier family 22 (organic anion transporter), member 13	GO:0016021	integral to membrane
316325	Hs6st1	heparan sulfate 6-O-sulfotransferase 1	GO:0016021	integral to membrane
316356	Mfsd9,RGD1562212	major facilitator superfamily domain containing 9	GO:0016021	integral to membrane
316435	Cyp20a1	cytochrome P450, family 20, subfamily a, polypeptide 1	GO:0016021	integral to membrane
316530	MGC72616,RGD735175	hypothetical protein MGC:72616	GO:0016021	integral to membrane
353229	MGC93062,Mob,Sgms1,Tmem2	sphingomyelin synthase 1	GO:0016021	integral to membrane
360463	Mpv17,Mpv17l	MPV17 mitochondrial membrane protein-like	GO:0016021	integral to membrane
360549	Pls32,Plscr3	phospholipid scramblase 3	GO:0016021	integral to membrane
360668	RGD1563123,Sec14l1	SEC14-like 1 ( <i>S. cerevisiae</i> )	GO:0016021	integral to membrane
360697	Ifngr2	interferon gamma receptor 2	GO:0016021	integral to membrane
360868	RGD1310623,Sft2d2	SFT2 domain containing 2	GO:0016021	integral to membrane
360871	MGC93692,Mpz1	myelin protein zero-like 1	GO:0016021	integral to membrane
360894	RGD1310587	similar to hypothetical protein FLJ14146	GO:0016021	integral to membrane
361110	MGC108529,Tmem110	transmembrane protein 110	GO:0016021	integral to membrane
361233	Ssr1	signal sequence receptor, alpha	GO:0016021	integral to membrane
361282	Plxdc2	plexin domain containing 2	GO:0016021	integral to membrane
361383	Cd97	CD97 molecule	GO:0016021	integral to membrane
361439	Abcb10,MGC109142	ATP-binding cassette, subfamily B (MDR/TAP), member 10	GO:0016021	integral to membrane
361527	MGC109410,Pld3	phospholipase D family, member 3	GO:0016021	integral to membrane
361577	Kdelr1,MGC109169	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention receptor	GO:0016021	integral to membrane
361600	Tm6sf1	transmembrane 6 superfamily member 1	GO:0016021	integral to membrane
361626	MGC108971,RGD1310870,Tmem1	transmembrane protein 41B	GO:0016021	integral to membrane
361654	MGC124784,RGD1310127	similar to cDNA sequence BC017158	GO:0016021	integral to membrane
361729	Cybas3,RGD1304670	cytochrome b, ascorbate dependent 3	GO:0016021	integral to membrane
361732	MGC93811,Tmem109	transmembrane protein 109	GO:0016021	integral to membrane
361757	Opalin,Tmem10	oligodendrocytic myelin paranodal and inner loop protein	GO:0016021	integral to membrane
361764	Sema4g	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM)	GO:0016021	integral to membrane
361791	Nrm	nurim (nuclear envelope membrane protein)	GO:0016021	integral to membrane
361940	MGC93874,Pgrmc2	progesterone receptor membrane component 2	GO:0016021	integral to membrane
362049	Unc5c	unc-5 homolog C ( <i>C. elegans</i> )	GO:0016021	integral to membrane
362165	Creb3l1,MGC94038,Oasis	cAMP responsive element binding protein 3-like 1	GO:0016021	integral to membrane
362326	MGC109305,Tm4sf12,Tspan12	tetraspanin 12	GO:0016021	integral to membrane
362401	MGC94413,Tmem43	transmembrane protein 43	GO:0016021	integral to membrane
362436	Gpr162,Grca	G protein-coupled receptor 162	GO:0016021	integral to membrane
362521	RGD1305703,Tmem38b	transmembrane protein 38B	GO:0016021	integral to membrane
362567	MGC94463,Pomgnt1	protein O-linked mannose beta1,2-N-acetylglucosaminyltransferase	GO:0016021	integral to membrane
362629	Il22ra1,RGD1559655	interleukin 22 receptor, alpha 1	GO:0016021	integral to membrane
362691	MGC94782,Tmem178	transmembrane protein 178	GO:0016021	integral to membrane
362700	Spast,Spg4	spastin	GO:0016021	integral to membrane
362750	Atl1,MGC109404,Spg3a	atlastin GTPase 1	GO:0016021	integral to membrane
362883	RGD1564876,Slc35e3	solute carrier family 35, member E3	GO:0016021	integral to membrane
362911	Mal2	mal, T-cell differentiation protein 2	GO:0016021	integral to membrane
363013	RGD1305625,Tmem123	transmembrane protein 123	GO:0016021	integral to membrane
363137	Cyb561d2,MGC95239	cytochrome b-561 domain containing 2	GO:0016021	integral to membrane
364241	Kcnk5,TASK2	potassium channel, subfamily K, member 5	GO:0016021	integral to membrane

364678	Sfxn1	sideroflexin 1	GO:0016021	integral to membrane
364786	RGD1564327	similar to integrin alpha 8	GO:0016021	integral to membrane
364838	Dp12,Reep5	receptor accessory protein 5	GO:0016021	integral to membrane
364844	Pcdhgb71	protocadherin gamma subfamily B, 7	GO:0016021	integral to membrane
365183	CD89,Fcar	IgA Fc receptor	GO:0016021	integral to membrane
365241	Kcna7	potassium voltage-gated channel, shaker-related subfamily, member 7	GO:0016021	integral to membrane
365266	Atp10a	ATPase, class V, type 10A	GO:0016021	integral to membrane
365398	MGC124974,Rst,Slc22a12,Slc22	solute carrier family 22 (organic anion/urate transporter), member 12	GO:0016021	integral to membrane
365408	Ms4a15,RGD1561158	membrane-spanning 4-domains, subfamily A, member 15	GO:0016021	integral to membrane
365548	Pttg1ip	pituitary tumor-transforming 1 interacting protein	GO:0016021	integral to membrane
365657	Marveld2,Mrvlcd2	MARVEL domain containing 2	GO:0016021	integral to membrane
365872	Aph1a,RGD1311546	anterior pharynx defective 1 homolog A (C. elegans)	GO:0016021	integral to membrane
366064	B3gal1	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 1	GO:0016021	integral to membrane
366196	Crls1,RGD1311037	cardiolipin synthase 1	GO:0016021	integral to membrane
366227	Apmap,MGC125177,RGD13088	similar to RIKEN cDNA 2310001A20	GO:0016021	integral to membrane
366478	Pigv,RGD1309526	phosphatidylinositol glycan anchor biosynthesis, class V	GO:0016021	integral to membrane
366602	MGC109170,Tm4sf13,Tspan13	tetraspanin 13	GO:0016021	integral to membrane
366894	PAP-II,Trhde	thyrotropin-releasing hormone degrading enzyme	GO:0016021	integral to membrane
367252	Mgat4a	mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase	GO:0016021	integral to membrane
369016	Myadm	myeloid-associated differentiation marker	GO:0016021	integral to membrane
373544	Ermp1,Fxna	endoplasmic reticulum metalloproteinase 1	GO:0016021	integral to membrane
393086	Pcdha2,rCNRv02	protocadherin alpha 2	GO:0016021	integral to membrane
393088	Pcdha6,rCNRv06	protocadherin alpha 6	GO:0016021	integral to membrane
396551	Ugt17,UDPGT 1-3,Ugt1a3,Ugt1c	UDP glycosyltransferase 1 family, polypeptide A3	GO:0016021	integral to membrane
494343	MGC72570,Prp1,Tacstd2	tumor-associated calcium signal transducer 2	GO:0016021	integral to membrane
497756	Si2,SUCIMAL	sucrase-isomaltase (alpha-glucosidase)	GO:0016021	integral to membrane
497815	Nrcam	neuronal cell adhesion molecule	GO:0016021	integral to membrane
497902	Qpc,Uqcrq	ubiquinol-cytochrome c reductase, complex III subunit VII	GO:0016021	integral to membrane
497936	RGD1561781,Tmem88	transmembrane protein 88	GO:0016021	integral to membrane
498153	Gpr146,RGD1560731	G protein-coupled receptor 146	GO:0016021	integral to membrane
498281	Pvrl4,RGD1559826	poliovirus receptor-related 4	GO:0016021	integral to membrane
498286	RGD1560634,Slamf1	signaling lymphocytic activation molecule family member 1	GO:0016021	integral to membrane
498289	Opn3	opsin 3	GO:0016021	integral to membrane
498399	RGD1565810,Sec14l4	SEC14-like 4 (S. cerevisiae)	GO:0016021	integral to membrane
498654	Adam5,MGC108772,tMDCII	a disintegrin and metalloproteinase domain 5	GO:0016021	integral to membrane
498728	Elovl2	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 2	GO:0016021	integral to membrane
498847	Pcdhga32	protocadherin gamma subfamily A, 3	GO:0016021	integral to membrane
498849	Pcdhgb72,Pcdhga10,Pcdhga10t	protocadherin gamma subfamily A, 10	GO:0016021	integral to membrane
498902	Cklfsf4,Cmtm4,RGD1565098	CKLF-like MARVEL transmembrane domain containing 4	GO:0016021	integral to membrane
499174	Lass3,RGD1564356	LAG1 homolog, ceramide synthase 3	GO:0016021	integral to membrane
499308	Flrt1,RGD1565152	fibronectin leucine rich transmembrane protein 1	GO:0016021	integral to membrane
499798	Arl6ip6	ADP-ribosylation-like factor 6 interacting protein 6	GO:0016021	integral to membrane
499991	Steap4	STEAP family member 4	GO:0016021	integral to membrane
500157	RGD1560028	similar to RIKEN cDNA C130060K24 gene	GO:0016021	integral to membrane
500349	Gprc5d,RGD1563887	G protein-coupled receptor, family C, group 5, member D	GO:0016021	integral to membrane

500445	LOC500445	similar to hypothetical protein 4931430D02	GO:0016021	integral to membrane
500750	MGC109451,RGD1562527,Tme	transmembrane protein 196	GO:0016021	integral to membrane
500947	LOC500947	hypothetical gene supported by BC088439	GO:0016021	integral to membrane
501925	Slc2a9	solute carrier family 2 (facilitated glucose transporter), member 9	GO:0016021	integral to membrane
503257	RGD1560421,Tmem194b	transmembrane protein 194B	GO:0016021	integral to membrane
50555	Ugt8,Ugt8a	UDP glycosyltransferase 8	GO:0016021	integral to membrane
50577	Galnr1,Galr1	galanin receptor 1	GO:0016021	integral to membrane
50672	Ednra2,Ednrb,Etb	endothelin receptor type B	GO:0016021	integral to membrane
50719	E16,Slc7a5,TA1	solute carrier family 7 (cationic amino acid transporter, y+ system), member 5	GO:0016021	integral to membrane
50938	Cdo,Cdon	Cdon homolog (mouse)	GO:0016021	integral to membrane
54281	Furin,Pace,Pcsk3	furin (paired basic amino acid cleaving enzyme)	GO:0016021	integral to membrane
54320	E11,Gp38,OTS-8,Pdpn,RTI40,T1	podoplanin	GO:0016021	integral to membrane
56820	Ramp3	receptor (G protein-coupled) activity modifying protein 3	GO:0016021	integral to membrane
57302	CB2,Cnr2	cannabinoid receptor 2 (macrophage)	GO:0016021	integral to membrane
58842	Preb	prolactin regulatory element binding	GO:0016021	integral to membrane
58857	Vapa	VAMP (vesicle-associated membrane protein)-associated protein A	GO:0016021	integral to membrane
58949	Ptafr	platelet-activating factor receptor	GO:0016021	integral to membrane
59113	Kmo	kynurenine 3-monooxygenase (kynurenine 3-hydroxylase)	GO:0016021	integral to membrane
59300	Cml11,Cml21	camello-like 1	GO:0016021	integral to membrane
60399	Edg-8,Edg8,S1pr5	sphingosine-1-phosphate receptor 5	GO:0016021	integral to membrane
60448	Htr1eb,Htr1f	5-hydroxytryptamine (serotonin) receptor 1F	GO:0016021	integral to membrane
60669	Cmklr1	chemokine-like receptor 1	GO:0016021	integral to membrane
619558	Fam134b	family with sequence similarity 134, member B	GO:0016021	integral to membrane
619574	LOC619574	hypothetical protein LOC619574	GO:0016021	integral to membrane
63866	Accn5,Blinac,Inac	amiloride-sensitive cation channel 5, intestinal	GO:0016021	integral to membrane
63882	Accn4,Asic4,Spasic	amiloride-sensitive cation channel 4, pituitary	GO:0016021	integral to membrane
63883	Kcne3,MGC105432	potassium voltage-gated channel, Isk-related subfamily, gene 3	GO:0016021	integral to membrane
64025	2B4,Cd244,Nmrk	Cd244 molecule, natural killer cell receptor 2B4	GO:0016021	integral to membrane
641521	Lrrc4	leucine rich repeat containing 4	GO:0016021	integral to membrane
64154	Gosr2	golgi SNAP receptor complex member 2	GO:0016021	integral to membrane
64315	Cd151	CD151 molecule (Raph blood group)	GO:0016021	integral to membrane
64364	Plip,Tm4sf11	plasma membrane proteolipid (plasmolipin)	GO:0016021	integral to membrane
64442	Siat4b,Siat5,St3gal2	ST3 beta-galactoside alpha-2,3-sialyltransferase 2	GO:0016021	integral to membrane
64443	Gpr88	G-protein coupled receptor 88	GO:0016021	integral to membrane
64460	Pex14	peroxisomal biogenesis factor 14	GO:0016021	integral to membrane
64469	Slc30a4	solute carrier family 30 (zinc transporter), member 4	GO:0016021	integral to membrane
64476	HSG,Mfn2	mitofusin 2	GO:0016021	integral to membrane
64521	Tspan-2,Tspan2	tetraspanin 2	GO:0016021	integral to membrane
64531	Omp25,Synj2bp	synaptojanin 2 binding protein	GO:0016021	integral to membrane
64543	Sec14I3	SEC14-like 3 ( <i>S. cerevisiae</i> )	GO:0016021	integral to membrane
64672	Plm2,Pln	phospholamban	GO:0016021	integral to membrane
64678	Tfrc,Trfr	transferrin receptor	GO:0016021	integral to membrane
64701	Rpn2	ribophorin II	GO:0016021	integral to membrane
65042	Sfxn3,TCC	sideroflexin 3	GO:0016021	integral to membrane
65129	Cldn1	claudin 1	GO:0016021	integral to membrane



65168	MGC94592,Scamp2	secretory carrier membrane protein 2	GO:0016021	integral to membrane
65169	Scamp3	secretory carrier membrane protein 3	GO:0016021	integral to membrane
65183	Aldh3a2,Aldh4,FALDH	aldehyde dehydrogenase 3 family, member A2	GO:0016021	integral to membrane
65196	B4galt6	UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 6	GO:0016021	integral to membrane
65207	Rh50,Rhag	Rh-associated glycoprotein	GO:0016021	integral to membrane
66030	Synpr	synaptoporin	GO:0016021	integral to membrane
681896	MGC105602,Slc25a18	solute carrier family 25 (mitochondrial carrier), member 18	GO:0016021	integral to membrane
682974	Hsd3b2	3 beta-hydroxysteroid dehydrogenase/delta-5-delta-4 isomerase type II	GO:0016021	integral to membrane
686081	B3galt2	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 2	GO:0016021	integral to membrane
688996	Kcnk16	potassium channel, subfamily K, member 16	GO:0016021	integral to membrane
689917	Gpr212	G protein-coupled receptor 21	GO:0016021	integral to membrane
690610	Tmem86b	transmembrane protein 86B	GO:0016021	integral to membrane
691066	Tm4sf20	transmembrane 4 L six family member 20	GO:0016021	integral to membrane
691394	Chst14	carbohydrate (N-acetylgalactosamine 4-O) sulfotransferase 14	GO:0016021	integral to membrane
691976	Amac1,MGC188652	acyl-malonyl condensing enzyme 1	GO:0016021	integral to membrane
78947	Gcs11,Mogs	glucosidase 1	GO:0016021	integral to membrane
78956	Nav1.7,PN1,Scn2a1,Scn9a	sodium channel, voltage-gated, type IX, alpha	GO:0016021	integral to membrane
78958	Bcam,Lu	basal cell adhesion molecule	GO:0016021	integral to membrane
79107	Duox2,Thox2	dual oxidase 2	GO:0016021	integral to membrane
79220	Grid2	glutamate receptor, ionotropic, delta 2	GO:0016021	integral to membrane
80773	Cyb5b,Cyb5m,omb5	cytochrome b5 type B (outer mitochondrial membrane)	GO:0016021	integral to membrane
80843	Sec61a,Sec61a1	Sec61 alpha 1 subunit ( <i>S. cerevisiae</i> )	GO:0016021	integral to membrane
81507	Bmpr1a	bone morphogenetic protein receptor, type IA	GO:0016021	integral to membrane
81514	Lrrn3,Nlrr3	leucine rich repeat neuronal 3	GO:0016021	integral to membrane
81574	Scn1a	sodium channel, voltage-gated, type I, alpha	GO:0016021	integral to membrane
81644	Opn1sw	opsin 1 (cone pigments), short-wave-sensitive	GO:0016021	integral to membrane
81668	GH1,Gnrhr,Lhrhr	gonadotropin releasing hormone receptor	GO:0016021	integral to membrane
81678	Itpr2	inositol 1,4,5-triphosphate receptor, type 2	GO:0016021	integral to membrane
81707	Mmp14,Mt1-mmp	matrix metalloproteinase 14 (membrane-inserted)	GO:0016021	integral to membrane
81784	Ssr3	signal sequence receptor, gamma	GO:0016021	integral to membrane
83466	Celsr3,Megf2	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Dr	GO:0016021	integral to membrane
83519	Pex3	peroxisomal biogenesis factor 3	GO:0016021	integral to membrane
83526	Atrn	attractin	GO:0016021	integral to membrane
83532	Vdac3	voltage-dependent anion channel 3	GO:0016021	integral to membrane
83535	Kcnj11,Kir6.2	potassium inwardly rectifying channel, subfamily J, member 11	GO:0016021	integral to membrane
83576	Nt3,Nts3,Sort1	sortilin 1	GO:0016021	integral to membrane
83627	Galnt5	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosamin	GO:0016021	integral to membrane
83792	Scd,Scd2	stearoyl-CoA desaturase (delta-9-desaturase)	GO:0016021	integral to membrane
83808	MGC93327,Ugt2b12,Ugt2b15,U	UDP glucuronosyltransferase 2 family, polypeptide B36	GO:0016021	integral to membrane
84010	Dll1	delta-like 1 ( <i>Drosophila</i> )	GO:0016021	integral to membrane
84356	ALDR,Abcd2	ATP-binding cassette, subfamily D (ALD), member 2	GO:0016021	integral to membrane
84395	Slc34a2	solute carrier family 34 (sodium phosphate), member 2	GO:0016021	integral to membrane
84398	C1qRp,C1qr1,Cd93,Ly68	CD93 molecule	GO:0016021	integral to membrane
84487	Dnpi,Slc17a6,Vglut2	solute carrier family 17 (sodium-dependent inorganic phosphate cotran	GO:0016021	integral to membrane
84491	Qscn6,Qsox,Qsox1,Sox-2,rSOX	quiescin Q6 sulfhydryl oxidase 1	GO:0016021	integral to membrane

84550	Nckx2,Slc24a2	solute carrier family 24 (sodium/potassium/calcium exchanger), member 2	GO:0016021	integral to membrane
84597	Fut9	fucosyltransferase 9 (alpha (1,3) fucosyltransferase)	GO:0016021	integral to membrane
85267	Nckx3,Slc24a3	solute carrier family 24 (sodium/potassium/calcium exchanger), member 3	GO:0016021	integral to membrane
85333	Ant1,Slc25a4	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocase)	GO:0016021	integral to membrane
89808	Cx3c,Cx3cl1,Scyd1	chemokine (C-X3-C motif) ligand 1	GO:0016021	integral to membrane
94202	Pcptp1,Ptpr	protein tyrosine phosphatase, receptor type, R	GO:0016021	integral to membrane
94338	Smpd3,cca1	sphingomyelin phosphodiesterase 3, neutral membrane	GO:0016021	integral to membrane
117018	ERG11,Kcnh2	potassium voltage-gated channel, subfamily H (eag-related), member 2	GO:0005887	integral to plasma membrane
24175	Adra2c	adrenergic, alpha-2C-, receptor	GO:0005887	integral to plasma membrane
114110	Flt4,Vegfr3	fms-related tyrosine kinase 4	GO:0005887	integral to plasma membrane
114506	Ank,Ankh	ankylosis, progressive homolog (mouse)	GO:0005887	integral to plasma membrane
116469	CaT2,Ecac1,Trpv5	transient receptor potential cation channel, subfamily V, member 5	GO:0005887	integral to plasma membrane
116647	Nlgn1	neuroligin 1	GO:0005887	integral to plasma membrane
116677	F2r11,Par-2,Par2	coagulation factor II (thrombin) receptor-like 1	GO:0005887	integral to plasma membrane
24338	Ephb1,Ephb21,Erk,elk	Eph receptor B1	GO:0005887	integral to plasma membrane
24392	Cx43,Gja1,MGC93610	gap junction protein, alpha 1	GO:0005887	integral to plasma membrane
24414	Gprc1a,Grm1	glutamate receptor, metabotropic 1	GO:0005887	integral to plasma membrane
24415	Grm2	glutamate receptor, metabotropic 2	GO:0005887	integral to plasma membrane
24699	CD45,L-CA,Lca,Ptprc,RT7,T200	protein tyrosine phosphatase, receptor type, C	GO:0005887	integral to plasma membrane
24779	MGC93554,Slc4a1	solute carrier family 4 (anion exchanger), member 1	GO:0005887	integral to plasma membrane
24827	RATTGFAA,TGFAA,Tgfa	transforming growth factor alpha	GO:0005887	integral to plasma membrane
25054	Ntrk2,RATTRKB1,TRKB1,Tkrb,trl	neurotrophic tyrosine kinase, receptor, type 2	GO:0005887	integral to plasma membrane
25267	APDGFR,PDGFACE,Pdgfra	platelet derived growth factor receptor, alpha polypeptide	GO:0005887	integral to plasma membrane
25293	AQP-4,AQP4.M23,Aqp4,MIWC2	aquaporin 4	GO:0005887	integral to plasma membrane
25316	FCIGA,Fcer1b,Ms4a11,Ms4a2	membrane-spanning 4-domains, subfamily A, member 2 (Fc fragment of IgE, high affinity I, receptor for; gamma polypeptide)	GO:0005887	integral to plasma membrane
25370	Adora3	adenosine A3 receptor	GO:0005887	integral to plasma membrane
25404	Cav,Cav1,MGC187299	caveolin 1, caveolae protein	GO:0005887	integral to plasma membrane
25441	Fcer1g,MGC188226	Fc fragment of IgE, high affinity I, receptor for; gamma polypeptide	GO:0005887	integral to plasma membrane
25469	Kv42,KCHAN,Kcna4,Kv1.4,RHK1	potassium voltage-gated channel, shaker-related subfamily, member 4	GO:0005887	integral to plasma membrane
25715	Dmt1,Nramp2,Slc11a2	solute carrier family 11 (proton-coupled divalent metal ion transporters)	GO:0005887	integral to plasma membrane
282712	Ntt73,Slc6a15	solute carrier family 6 (neutral amino acid transporter), member 15	GO:0005887	integral to plasma membrane
289546	Desc4,RGD1306446	similar to RIKEN cDNA 9930032O22 gene	GO:0005887	integral to plasma membrane
291936	Hhip,RGD1564108	Hedgehog-interacting protein	GO:0005887	integral to plasma membrane
292949	Perp	PERP, TP53 apoptosis effector	GO:0005887	integral to plasma membrane
29323	MGC93507,Rosit,Slc6a18,Xtrp2	solute carrier family 6, member 18	GO:0005887	integral to plasma membrane
29464	Slc6a6	solute carrier family 6 (neurotransmitter transporter, taurine), member 6	GO:0005887	integral to plasma membrane
295401	Prg12,Lppr4,Prg-1	lipid phosphate phosphatase-related protein type 4	GO:0005887	integral to plasma membrane
29600	Atp2b4,PMCA4	ATPase, Ca++ transporting, plasma membrane 4	GO:0005887	integral to plasma membrane
29610	Tgfbr3,betaglycan	transforming growth factor, beta receptor III	GO:0005887	integral to plasma membrane
29705	Gabra1	gamma-aminobutyric acid (GABA) A receptor, alpha 1	GO:0005887	integral to plasma membrane
300186	Ali1,Amigo2	adhesion molecule with Ig like domain 2	GO:0005887	integral to plasma membrane
311536	MGC116234,RGD1304644,Rft2	similar to RIKEN cDNA 2310046K01	GO:0005887	integral to plasma membrane
314941	Lrp12	low density lipoprotein-related protein 12	GO:0005887	integral to plasma membrane
362326	MGC109305,Tm4sf12,Tspan12	tetraspanin 12	GO:0005887	integral to plasma membrane
365872	Aph1a,RGD1311546	anterior pharynx defective 1 homolog A (C. elegans)	GO:0005887	integral to plasma membrane

393089	Pcdha7,rCNRv07	protocadherin alpha 7	GO:0005887	integral to plasma membrane
393091	Pcdhac1,rCNRvc1	protocadherin alpha subfamily C, 1	GO:0005887	integral to plasma membrane
501925	Slc2a9	solute carrier family 2 (facilitated glucose transporter), member 9	GO:0005887	integral to plasma membrane
50572	OATP-1,Oatp1,Slc21a1,Slc21a3,	solute carrier organic anion transporter family, member 1a1	GO:0005887	integral to plasma membrane
60577	MGC91625,Slc15a2	solute carrier family 15 (H+/peptide transporter), member 2	GO:0005887	integral to plasma membrane
65180	Kcnd2,Kv4.2,RK5,Shal1	potassium voltage-gated channel, Shal-related subfamily, member 2	GO:0005887	integral to plasma membrane
65195	Kcnd3,Kv4.3	potassium voltage-gated channel, Shal-related subfamily, member 3	GO:0005887	integral to plasma membrane
685781	Ddr2,Tyro10	discoidin domain receptor tyrosine kinase 2	GO:0005887	integral to plasma membrane
79212	Gabt1,Slc6a1	solute carrier family 6 (neurotransmitter transporter, GABA), member 1	GO:0005887	integral to plasma membrane
81651	Cspg4,Ng2	chondroitin sulfate proteoglycan 4	GO:0005887	integral to plasma membrane
89804	Tek,Tie-2,Tie2	TEK tyrosine kinase, endothelial	GO:0005887	integral to plasma membrane
306562	Tacc1,Tacc1a	transforming, acidic coiled-coil containing protein 1	GO:0022027	interkinetic nuclear migration
307302	Ccdc100,Cep120,RGD1565619	centrosomal protein 120kDa	GO:0022027	interkinetic nuclear migration
309025	Tacc2	transforming, acidic coiled-coil containing protein 2	GO:0022027	interkinetic nuclear migration
79237	Hex,Hhex	hematopoietically expressed homeobox	GO:0022027	interkinetic nuclear migration
116996	Il16	interleukin 16	GO:0005622	intracellular
117020	Mcf2l,Ost,mcf 2l	MCF.2 cell line derived transforming sequence-like	GO:0005622	intracellular
140940	Arf3	ADP-ribosylation factor 3	GO:0005622	intracellular
170808	CL-2',Capn8,ClS4,nCL-2	calpain 8	GO:0005622	intracellular
171102	Cdc25a	cell division cycle 25 homolog A (S. pombe)	GO:0005622	intracellular
171178	Adh7	alcohol dehydrogenase 7 (class IV), mu or sigma polypeptide	GO:0005622	intracellular
171500	MGC93196,Stau2	staufen, RNA binding protein, homolog 2 (Drosophila)	GO:0005622	intracellular
192126	DIP1/2,Dab2ip	DAB2 interacting protein	GO:0005622	intracellular
192213	Rasgrf1	RAS protein-specific guanine nucleotide-releasing factor 1	GO:0005622	intracellular
207122	Pak-2,Pkn2,Prkcl2	protein kinase N2	GO:0005622	intracellular
24224	Bcl-2,Bcl2	B-cell CLL/lymphoma 2	GO:0005622	intracellular
100125361	MGC1567902,LOC100125361	zinc finger protein LOC100125361	GO:0005622	intracellular
100233177	LOC100233177	hypothetical protein LOC100233177	GO:0005622	intracellular
114090	Egr2,Krox20	early growth response 2	GO:0005622	intracellular
114559	Arhgef7,P85spr,Pak3bp	Rho guanine nucleotide exchange factor (GEF7)	GO:0005622	intracellular
114845	Bkif,Klf3,Tef-2	Kruppel-like factor 3 (basic)	GO:0005622	intracellular
114901	Argbp2,Sorbs2	sorbin and SH3 domain containing 2	GO:0005622	intracellular
115768	Zfp37	zinc finger protein 37	GO:0005622	intracellular
116693	Sec73,Cyth3,MGC124579,Pscd3	cytohesin 3	GO:0005622	intracellular
24379	Gad1,Gad67	glutamate decarboxylase 1	GO:0005622	intracellular
24388	Gfi1	growth factor independent 1 transcription repressor	GO:0005622	intracellular
24415	Grm2	glutamate receptor, metabotropic 2	GO:0005622	intracellular
246174	Fgd4	FYVE, RhoGEF and PH domain containing 4	GO:0005622	intracellular
246212	SPAL,Sipa1l1,Spa-1,Spa11,Spar	signal-induced proliferation-associated 1 like 1	GO:0005622	intracellular
246282	Zfp91	zinc finger protein 91	GO:0005622	intracellular
24778	GLUTB,GTG1,Glut1,Gtg3,RATG1	solute carrier family 2 (facilitated glucose transporter), member 1	GO:0005622	intracellular
24790	Sp1	Sp1 transcription factor	GO:0005622	intracellular
252961	Tank	TRAF family member-associated NFKB activator	GO:0005622	intracellular
25367	Adar2,Adarb1,Red1	adenosine deaminase, RNA-specific, B1	GO:0005622	intracellular
25388	BARRES2,Arrb2,MGC105502	arrestin, beta 2	GO:0005622	intracellular

25404	Cav,Cav1,MGC187299	caveolin 1, caveolae protein	GO:0005622	intracellular
25489	Nedd4,Nedd4a	neural precursor cell expressed, developmentally down-regulated 4	GO:0005622	intracellular
25571	TTP,Ttpa	tocopherol (alpha) transfer protein	GO:0005622	intracellular
25591	Adprt,MGC93658,Parp-1,Parp1	poly (ADP-ribose) polymerase 1	GO:0005622	intracellular
25671	Madh1,Smad1	SMAD family member 1	GO:0005622	intracellular
25737	PCNAR,Pcna,Pcna/cyclin	proliferating cell nuclear antigen	GO:0005622	intracellular
266773	Hit40,Zfp709,Znf14	zinc finger protein 709	GO:0005622	intracellular
287276	SARA1B,Sar1b,Sara2	SAR1 homolog B (S. cerevisiae)	GO:0005622	intracellular
287537	Abr	active BCR-related gene	GO:0005622	intracellular
287954	Dgcr8	DiGeorge syndrome critical region gene 8	GO:0005622	intracellular
288167	Senp7	SUMO1/sentrin specific peptidase 7	GO:0005622	intracellular
288489	RGD1562875,Rbak	RB-associated KRAB zinc finger	GO:0005622	intracellular
288718	Tfip11	tuftelin interacting protein 11	GO:0005622	intracellular
288743	Rutbc2,Sgsm1	small G protein signaling modulator 1	GO:0005622	intracellular
289143	Mrps14	mitochondrial ribosomal protein S14	GO:0005622	intracellular
289392	Plxna2	plexin A2	GO:0005622	intracellular
289757	Polm	polymerase (DNA directed), mu	GO:0005622	intracellular
290541	Arhgef3	Rho guanine nucleotide exchange factor (GEF) 3	GO:0005622	intracellular
290614	Cherp	calcium homeostasis endoplasmic reticulum protein	GO:0005622	intracellular
291171	MGC189472,Rfp1,Trim27	tripartite motif-containing 27	GO:0005622	intracellular
29150	Matr3,P130/MAT3	matrin 3	GO:0005622	intracellular
29154	Capn2	calpain 2	GO:0005622	intracellular
291597	Trim36	tripartite motif-containing 36	GO:0005622	intracellular
292584	Fiz1,RGD1306359	FLT3-interacting zinc finger 1	GO:0005622	intracellular
29271	Cfl1	cofilin 1, non-muscle	GO:0005622	intracellular
293294	Trim6	tripartite motif-containing 6	GO:0005622	intracellular
29357	MGC156656,Madh2,Smad2	SMAD family member 2	GO:0005622	intracellular
293586	Zfp511,Znf511	zinc finger protein 511	GO:0005622	intracellular
294210	Rfb30,Rnf9,Trim10	tripartite motif-containing 10	GO:0005622	intracellular
29434	Rasgrp,Rasgrp1	RAS guanyl releasing protein 1 (calcium and DAG-regulated)	GO:0005622	intracellular
294343	RGD1565460,Zfp280b	zinc finger protein 280b	GO:0005622	intracellular
294429	RGD1560047,Ranbp2	RAN binding protein 2	GO:0005622	intracellular
294601	Ankrd32	ankyrin repeat domain 32	GO:0005622	intracellular
294770	Card6	caspase recruitment domain family, member 6	GO:0005622	intracellular
295378	RGD1565941,Vav3	vav 3 guanine nucleotide exchange factor	GO:0005622	intracellular
295446	RGD1307816,Tbck,Tbckl	TBC1 domain containing kinase	GO:0005622	intracellular
29545	Uchl1	ubiquitin carboxyl-terminal esterase L1 (ubiquitin thiolesterase)	GO:0005622	intracellular
295588	Arhe,RHOE1,Rnd3	Rho family GTPase 3	GO:0005622	intracellular
296060	Arhgap11a,RGD1309107	Rho GTPase activating protein 11A	GO:0005622	intracellular
296121	Usp8	ubiquitin specific peptidase 8	GO:0005622	intracellular
296281	Plagl2	pleiomorphic adenoma gene-like 2	GO:0005622	intracellular
296349	RGD1305754,Ttpal	tocopherol (alpha) transfer protein-like	GO:0005622	intracellular
296603	Vav2	vav 2 guanine nucleotide exchange factor	GO:0005622	intracellular
297065	Zfp282,Znf282	zinc finger protein 282	GO:0005622	intracellular
29721	Hivep2,MIBP1	human immunodeficiency virus type I enhancer binding protein 2	GO:0005622	intracellular

297525	MGC95133,Mkrn2	makorin, ring finger protein, 2	GO:0005622	intracellular
297705	Aebp2	AE binding protein 2	GO:0005622	intracellular
297804	MGC94626,Plag1	pleiomorphic adenoma gene 1	GO:0005622	intracellular
298084	Zbtb5	zinc finger and BTB domain containing 5	GO:0005622	intracellular
298878	Odd1,Osr11	odd-skipped related 1 (Drosophila)	GO:0005622	intracellular
299002	G2e3,RGD1310263	G2/M-phase specific E3 ubiquitin ligase	GO:0005622	intracellular
299197	RGD1307597	similar to mKIAA0317 protein	GO:0005622	intracellular
299510	RGD1306532,Zbtb39	zinc finger and BTB domain containing 39	GO:0005622	intracellular
299897	Trps1	trichorhinophalangeal syndrome I homolog (human)	GO:0005622	intracellular
300067	Sh3bp1	SH3-domain binding protein 1	GO:0005622	intracellular
302962	Zfp206,Znf206,Zscan10	zinc finger and SCAN domain containing 10	GO:0005622	intracellular
303088	MGC188087,Trim41	tripartite motif-containing 41	GO:0005622	intracellular
303165	MGC93893,Zfp672,Znf672	zinc finger protein 672	GO:0005622	intracellular
303212	Zfp287,Znf287	zinc finger protein 287	GO:0005622	intracellular
303336	MGC112712,Wsb1	WD repeat and SOCS box-containing 1	GO:0005622	intracellular
303614	RGD1310067,Smurf2	SMAD specific E3 ubiquitin protein ligase 2	GO:0005622	intracellular
303836	Bcl6	B-cell CLL/lymphoma 6	GO:0005622	intracellular
304336	RGD1566386	similar to Hypothetical protein A430033K04	GO:0005622	intracellular
304342	Zipro1,Zscan21	zinc finger and SCAN domain containing 21	GO:0005622	intracellular
304645	RGD1308221,Tbc1d9	TBC1 domain family, member 9	GO:0005622	intracellular
305127	RGD1306805,Zfp644,Znf644	zinc finger protein 644	GO:0005622	intracellular
305156	Arhgap24	Rho GTPase activating protein 24	GO:0005622	intracellular
305341	MGC109123,Rhoh	ras homolog gene family, member H	GO:0005622	intracellular
305888	ZFH,Zfhx2	zinc finger homeobox 2	GO:0005622	intracellular
306183	Farp1	FERM, RhoGEF (Arhgef) and pleckstrin domain protein 1 (chondrocyte-d	GO:0005622	intracellular
306695	Zfp367,Znf367	zinc finger protein 367	GO:0005622	intracellular
307098	MGC114559,Net1	neuroepithelial cell transforming 1	GO:0005622	intracellular
307178	Arhgap21	Rho GTPase activating protein 21	GO:0005622	intracellular
307236	Adnp2,MGC188386,RGD130821	ADNP homeobox 2	GO:0005622	intracellular
308337	RGD1565545,Znf865	zinc finger protein 865	GO:0005622	intracellular
308361	RGD1565029,Zfp329	zinc finger protein 329	GO:0005622	intracellular
308362	Zfp110	zinc finger protein 110	GO:0005622	intracellular
308366	Zbtb45,Zfp499,Znf499	zinc finger and BTB domain containing 45	GO:0005622	intracellular
308523	Tshz3,Zfp537	teashirt zinc finger homeobox 3	GO:0005622	intracellular
309031	Ikzf5,Zfpn1a5	IKAROS family zinc finger 5	GO:0005622	intracellular
309613	MGC189499,Ng35,Zbtb12	Ng35 pseudogene	GO:0005622	intracellular
309656	Ftsjd2,LRRG00129,MTr1,RGD130821	FtsJ methyltransferase domain containing 2	GO:0005622	intracellular
309758	Herc4	hect domain and RLD 4	GO:0005622	intracellular
310250	RGD1563022,Zfhx4	zinc finger homeobox 4	GO:0005622	intracellular
310533	Rapgef2	Rap guanine nucleotide exchange factor (GEF) 2	GO:0005622	intracellular
310635	Arhgef2,MGC95068	rho/rac guanine nucleotide exchange factor (GEF) 2	GO:0005622	intracellular
310641	Trim46	tripartite motif-containing 46	GO:0005622	intracellular
310658	Pogz	pogo transposable element with ZNF domain	GO:0005622	intracellular
310838	Bcar3	breast cancer anti-estrogen resistance 3	GO:0005622	intracellular
311508	Gzf1,RGD1562321,Zfp336	GDNF-inducible zinc finger protein 1	GO:0005622	intracellular

311910	Zbtb26	zinc finger and BTB domain containing 26	GO:0005622	intracellular
311911	Gpr211,Rabgap1	RAB GTPase activating protein 1	GO:0005622	intracellular
311944	Paxip1	PAX interacting (with transcription-activation domain) protein 1	GO:0005622	intracellular
312203	Klf14	Kruppel-like factor 14	GO:0005622	intracellular
312303	RGD1306209,Zfp746,Znf746	zinc finger protein 746	GO:0005622	intracellular
312562	Zfyve20	zinc finger, FYVE domain containing 20	GO:0005622	intracellular
313264	MGC109467,Trim32	tripartite motif-containing 32	GO:0005622	intracellular
313557	Hivep3	human immunodeficiency virus type I enhancer binding protein 3	GO:0005622	intracellular
313876	Birc6	baculoviral IAP repeat-containing 6	GO:0005622	intracellular
314205	Arid4a	AT rich interactive domain 4A (Rbp1 like)	GO:0005622	intracellular
314616	Arid3a,MGC189073	AT rich interactive domain 3A (Bright like)	GO:0005622	intracellular
314618	Hmha1,RGD1308662	histocompatibility (minor) HA-1	GO:0005622	intracellular
314630	Rexo1,Tceb3bp1	REX1, RNA exonuclease 1 homolog (S. cerevisiae)	GO:0005622	intracellular
314764	Eea1	early endosome antigen 1	GO:0005622	intracellular
314930	FOG-2,Zfpm2	zinc finger protein, multitype 2	GO:0005622	intracellular
315798	RGD1560796,Suhw4,Zfp280d	zinc finger protein 280D	GO:0005622	intracellular
315880	RGD1307436,Tbc1d2b	TBC1 domain family, member 2B	GO:0005622	intracellular
316219	Trerf1	transcriptional regulating factor 1	GO:0005622	intracellular
360389	Kox15,Krox-25,MGC105332,Zfp	zinc finger protein 422	GO:0005622	intracellular
360714	Gtpbp8,MGC108988,RGD1310C	GTP-binding protein 8 (putative)	GO:0005622	intracellular
360764	MGC95009,RGD1309158,Zfp65	zinc finger protein 655	GO:0005622	intracellular
360858	Lhx4	LIM homeobox 4	GO:0005622	intracellular
360956	MGC124676,SRF-2,Tbc1d14	TBC1 domain family, member 14	GO:0005622	intracellular
360983	Hspc159,MGC188016,RGD1307	galectin-related protein	GO:0005622	intracellular
361096	Zic2	Zic family member 2 (odd-paired homolog, Drosophila)	GO:0005622	intracellular
361126	Sfrs14,Sugp2	splicing factor, arginine/serine-rich 14	GO:0005622	intracellular
361422	Clp,Cot1	coactosin-like 1 (Dictyostelium)	GO:0005622	intracellular
361459	Clavesin-2,Clvs2,RGD1306801,R	retinaldehyde binding protein 1-like 2	GO:0005622	intracellular
361598	Iqgap1	IQ motif containing GTPase activating protein 1	GO:0005622	intracellular
361711	Dpf2	D4, zinc and double PHD fingers family 2	GO:0005622	intracellular
361783	MGC156546,Zfp57	zinc finger protein 57	GO:0005622	intracellular
361866	Hace1	HECT domain and ankyrin repeat containing, E3 ubiquitin protein ligase	GO:0005622	intracellular
361970	Trim2	tripartite motif-containing 2	GO:0005622	intracellular
362094	Mrps2	mitochondrial ribosomal protein S2	GO:0005622	intracellular
362229	Xrn2	5'-3' exoribonuclease 2	GO:0005622	intracellular
362414	Tada3l2,MGC114459,Tada3	transcriptional adaptor 3 (NGG1 homolog, yeast)-like	GO:0005622	intracellular
362591	Mtf1	metal-regulatory transcription factor 1	GO:0005622	intracellular
362685	Ccdc75,RGD1311424	coiled-coil domain containing 75	GO:0005622	intracellular
362759	Exd2,Exdl2,RGD1311087	exonuclease 3'-5' domain containing 2	GO:0005622	intracellular
363035	Btbd15,MGC125242,RGD13089	zinc finger and BTB domain containing 44	GO:0005622	intracellular
363185	Foxp4	forkhead box P4	GO:0005622	intracellular
363672	Sp6	Sp6 transcription factor	GO:0005622	intracellular
363869	MGC109350,Ubl3	ubiquitin-like 3	GO:0005622	intracellular
364388	Cideb	cell death-inducing DFFA-like effector b	GO:0005622	intracellular
364396	Arl11,MGC108833	ADP-ribosylation factor-like 11	GO:0005622	intracellular

364910	Sall3	sal-like 3 (Drosophila)	GO:0005622	intracellular
365022	MGC2647,Rnf166	ring finger protein 166	GO:0005622	intracellular
365355	MGC109327,Rras2	related RAS viral (r-ras) oncogene homolog 2	GO:0005622	intracellular
365377	MGC156817,RGD1562778,Trim	tripartite motif-containing 72	GO:0005622	intracellular
365590	Bif1a,ZNF450,Zbtb24	zinc finger and BTB domain containing 24	GO:0005622	intracellular
365751	Rnf29,Trim55	tripartite motif-containing 55	GO:0005622	intracellular
365813	RGD1311956,Trim59	tripartite motif-containing 59	GO:0005622	intracellular
367033	RGD1565847,Zfp26	zinc finger protein 26	GO:0005622	intracellular
367034	Zfp4261,Zfp426l	zinc finger protein 426-like	GO:0005622	intracellular
404781	Iqsec3,sag	IQ motif and Sec7 domain 3	GO:0005622	intracellular
408218	Capn11	calpain 11	GO:0005622	intracellular
494339	MGC72997,Zfp799,Zpf799	zinc finger protein 799	GO:0005622	intracellular
497860	LOC497860,MGC125234,Rpl39l	similar to RIKEN cDNA 4930517K11	GO:0005622	intracellular
497923	RGD1561950,Zfp286,Znf286a	zinc finger protein 286A	GO:0005622	intracellular
498160	MGC116363,Zkscan1	zinc finger with KRAB and SCAN domains 1	GO:0005622	intracellular
498282	Arhgap30,RGD1561419	Rho GTPase activating protein 30	GO:0005622	intracellular
498399	RGD1565810,Sec14l4	SEC14-like 4 (S. cerevisiae)	GO:0005622	intracellular
499095	MGC114501,Zfp94	zinc finger protein 94	GO:0005622	intracellular
499124	LOC499124	mouse zinc finger protein 14-like	GO:0005622	intracellular
499309	RGD1560108	similar to RIKEN cDNA 2700081O15	GO:0005622	intracellular
499563	Zfp458	zinc finger protein 458	GO:0005622	intracellular
499801	Ifih1,RGD1560496	interferon induced with helicase C domain 1	GO:0005622	intracellular
499900	LOC499900	similar to Zinc finger protein 133	GO:0005622	intracellular
500048	Fezf1,RGD1560480	Fez family zinc finger 1	GO:0005622	intracellular
500110	Zfp467,Znf467	zinc finger protein 467	GO:0005622	intracellular
500282	Arl8b	ADP-ribosylation factor-like 8B	GO:0005622	intracellular
500553	Zbtb82,RGD1562327,Zbtb8b,Zb	zinc finger and BTB domain containing 8b	GO:0005622	intracellular
500709	Itpk1	inositol 1,3,4-triphosphate 5/6 kinase	GO:0005622	intracellular
500950	RGD1565419,Zfp317	zinc finger protein 317	GO:0005622	intracellular
500981	RGD1562294,Zfp202	zinc finger protein 202	GO:0005622	intracellular
53982	OZF,POZF-1,Zfp260,Znf146,Znf2	zinc finger protein 260	GO:0005622	intracellular
553106	Ncald	neurocalcin delta	GO:0005622	intracellular
63994	Arhgap17,MGC93451,Rich1	Rho GTPase activating protein 17	GO:0005622	intracellular
64027	Bspry	B-box and SPRY domain containing	GO:0005622	intracellular
64373	Arhb,Rhob	ras homolog gene family, member B	GO:0005622	intracellular
64394	PAG608,Wig1,Zmat3	zinc finger, matrin type 3	GO:0005622	intracellular
64507	Fmod	fibromodulin	GO:0005622	intracellular
64543	Sec14l3	SEC14-like 3 (S. cerevisiae)	GO:0005622	intracellular
64702	Rnf16,Trim17	tripartite motif-containing 17	GO:0005622	intracellular
64845	Geph,Gphn	gephyrin	GO:0005622	intracellular
680201	Zfp322a	zinc finger protein 322a	GO:0005622	intracellular
684961	MGC188207,Zmat4	zinc finger, matrin type 4	GO:0005622	intracellular
689161	Gabarapl1,Gec1,MGC125167	GABA(A) receptor-associated protein like 1	GO:0005622	intracellular
690262	Yaf2	YY1 associated factor 2	GO:0005622	intracellular
690419	Zfp709l1	zinc finger protein 709-like 1	GO:0005622	intracellular

691075	L10mt,MRP-L10,MRP-L8,Mrpl1	mitochondrial ribosomal protein L10	GO:0005622	intracellular
691484	Eri2,Exod1	exoribonuclease 2	GO:0005622	intracellular
78957	Shank1,Shank1a,Spank1,Sstrip	SH3 and multiple ankyrin repeat domains 1	GO:0005622	intracellular
79119	Arf2,MGC114313	ADP-ribosylation factor 2	GO:0005622	intracellular
79209	Frk	fyn-related kinase	GO:0005622	intracellular
79257	Axin,Axin1	axin 1	GO:0005622	intracellular
81661	Gmfb,MGC93372	glia maturation factor, beta	GO:0005622	intracellular
81813	Klf10,Tieg	Kruppel-like factor 10	GO:0005622	intracellular
83726	Ctcf	CCCTC-binding factor (zinc finger protein)	GO:0005622	intracellular
84476	Spnr,Strbp	spermatid perinuclear RNA binding protein	GO:0005622	intracellular
84481	Arid4b,Bcaa	AT rich interactive domain 4B (Rbp1 like)	GO:0005622	intracellular
85428	Rhoq,Tc10	ras homolog gene family, member Q	GO:0005622	intracellular
89809	Recc1,Rfc1	replication factor C (activator 1) 1	GO:0005622	intracellular
89811	Vegfb	vascular endothelial growth factor B	GO:0005622	intracellular
89820	Hrmt1l31,Prmt3	protein arginine methyltransferase 3	GO:0005622	intracellular
94196	MGC72355,Rnf138,Rsd4,Trif	ring finger protein 138	GO:0005622	intracellular
170911	MGC116320,Pik3ca	phosphoinositide-3-kinase, catalytic, alpha polypeptide	04630	Jak-STAT signaling pathway
171136	Cblb	Cas-Br-M (murine) ecotropic retroviral transforming sequence b	04630	Jak-STAT signaling pathway
116562	Il2	interleukin 2	04630	Jak-STAT signaling pathway
24499	Il6R1,Il6r,Il6ra	interleukin 6 receptor	04630	Jak-STAT signaling pathway
24500	Il9r	interleukin 9 receptor	04630	Jak-STAT signaling pathway
25124	Stat1	signal transducer and activator of transcription 1	04630	Jak-STAT signaling pathway
25125	MGC93551,Stat3	signal transducer and activator of transcription 3	04630	Jak-STAT signaling pathway
25608	Lep,OB,obese	leptin	04630	Jak-STAT signaling pathway
25647	Il7	interleukin 7	04630	Jak-STAT signaling pathway
288264	Ifnar1	interferon (alpha, beta and omega) receptor 1	04630	Jak-STAT signaling pathway
291610	Spry4	sprouty homolog 4 (Drosophila)	04630	Jak-STAT signaling pathway
294797	Il7r	interleukin 7 receptor	04630	Jak-STAT signaling pathway
304091	Il10rb,RGD1560373	interleukin 10 receptor, beta	04630	Jak-STAT signaling pathway
305896	Irf9,Isgf3g	interferon regulatory factor 9	04630	Jak-STAT signaling pathway
308716	Il20ra	interleukin 20 receptor, alpha	04630	Jak-STAT signaling pathway
360697	Ifngr2	interferon gamma receptor 2	04630	Jak-STAT signaling pathway
362629	Il22ra1,RGD1559655	interleukin 22 receptor, alpha 1	04630	Jak-STAT signaling pathway
362827	Pias4	protein inhibitor of activated STAT, 4	04630	Jak-STAT signaling pathway
365395	Bsf3,Clc,Clcf1,MGC112574,NNT	cardiotrophin-like cytokine factor 1	04630	Jak-STAT signaling pathway
497931	Pik3r5,RGD1563261	phosphoinositide-3-kinase, regulatory subunit 5	04630	Jak-STAT signaling pathway
498798	RGD1564499,Stam	signal transducing adaptor molecule (SH3 domain and ITAM motif) 1	04630	Jak-STAT signaling pathway
500616	RGD1564914,Socs5	suppressor of cytokine signaling 5	04630	Jak-STAT signaling pathway
681112	Il20	interleukin 20	04630	Jak-STAT signaling pathway
84598	Jak1	Janus kinase 1	04630	Jak-STAT signaling pathway
192248	Cdh13,Cdht,MGC93172,T-cadherin	cadherin 13	GO:0030032	lamellipodium assembly
246174	Fgd4	FYVE, RhoGEF and PH domain containing 4	GO:0030032	lamellipodium assembly
295378	RGD1565941,Vav3	vav 3 guanine nucleotide exchange factor	GO:0030032	lamellipodium assembly
296603	Vav2	vav 2 guanine nucleotide exchange factor	GO:0030032	lamellipodium assembly
298584	Capzb,MGC95097	capping protein (actin filament) muscle Z-line, beta	GO:0030032	lamellipodium assembly



305679	Vcl	vinculin	GO:0030032	lamellipodium assembly
85265	Jub,MGC93830	jub, ajuba homolog (Xenopus laevis)	GO:0030032	lamellipodium assembly
24518	Jund,MGC72300	jun D proto-oncogene	GO:0016922	ligand-dependent nuclear receptor binding
289810	C1d1,MGC188504,RGD156060	C1D nuclear receptor co-repressor	GO:0016922	ligand-dependent nuclear receptor binding
362414	Tada3l2,MGC114459,Tada3	transcriptional adaptor 3 (NGG1 homolog, yeast)-like	GO:0016922	ligand-dependent nuclear receptor binding
497991	Med1,RGD1559552	mediator complex subunit 1	GO:0016922	ligand-dependent nuclear receptor binding
171547	Crispld2,Lcrisp2,Lgl1	cysteine-rich secretory protein LCCL domain containing 2	GO:0030324	lung development
24255	Cftr,RGD1561193	cystic fibrosis transmembrane conductance regulator homolog (human)	GO:0030324	lung development
24482	Igf1	insulin-like growth factor 1	GO:0030324	lung development
246323	A5D3,Aard	alanine and arginine rich domain containing protein	GO:0030324	lung development
24790	Sp1	Sp1 transcription factor	GO:0030324	lung development
25055	Chole2,LAL1,Lip1,Lipa	lipase A, lysosomal acid, cholesterol esterase	GO:0030324	lung development
25099	Foxa2,Hnf3b	forkhead box A2	GO:0030324	lung development
25116	Hsd11b1,LRRGT00065	hydroxysteroid 11-beta dehydrogenase 1	GO:0030324	lung development
25267	APDGFR,PDGFACE,Pdgfra	platelet derived growth factor receptor, alpha polypeptide	GO:0030324	lung development
25459	Ac2-008,Hmg1,Hmgb11,MGC93659	high mobility group box 1	GO:0030324	lung development
25717	MGC105479,Tgfb3	transforming growth factor, beta 3	GO:0030324	lung development
291936	Hhip,RGD1564108	Hedgehog-interacting protein	GO:0030324	lung development
29357	MGC156656,Madh2,Smad2	SMAD family member 2	GO:0030324	lung development
294503	Nodal	nodal homolog (mouse)	GO:0030324	lung development
29591	MGC93659,Tgfb1	transforming growth factor, beta receptor 1	GO:0030324	lung development
298894	Mycn,N-myc,Nmuc1,Nmyc	v-myc myelocytomatosis viral related oncogene, neuroblastoma derived	GO:0030324	lung development
303399	Tbx4	T-box 4	GO:0030324	lung development
308523	Tshz3,Zfp537	teashirt zinc finger homeobox 3	GO:0030324	lung development
314930	FOG-2,Zfpm2	zinc finger protein, multitype 2	GO:0030324	lung development
54320	E11,Gp38,OTS-8,Pdpn,RTI40,T1	podoplanin	GO:0030324	lung development
64032	CTGRP,Ctgf	connective tissue growth factor	GO:0030324	lung development
81507	Bmpr1a	bone morphogenetic protein receptor, type IA	GO:0030324	lung development
81648	CRF,Crh	corticotropin releasing hormone	GO:0030324	lung development
81707	Mmp14,Mt1-mmp	matrix metalloproteinase 14 (membrane-inserted)	GO:0030324	lung development
81809	Tgfb2	transforming growth factor, beta 2	GO:0030324	lung development
294410	Aa2-166,Man1a,Man1a1	mannosidase, alpha, class 1A, member 1	GO:0004571	mannosyl-oligosaccharide 1 2-alpha-mann
295319	Man1a2,Man1b	mannosidase, alpha, class 1A, member 2	GO:0004571	mannosyl-oligosaccharide 1 2-alpha-mann
362625	Man1c1	mannosidase, alpha, class 1C, member 1	GO:0004571	mannosyl-oligosaccharide 1 2-alpha-mann
155918	Lcp2,Slp76	lymphocyte cytosolic protein 2	GO:0045576	mast cell activation
25441	Fcer1g,MGC188226	Fc fragment of IgE, high affinity I, receptor for; gamma polypeptide	GO:0045576	mast cell activation
299923	Ndr1,Ndrg1	N-myc downstream regulated 1	GO:0045576	mast cell activation
305341	MGC109123,Rhoh	ras homolog gene family, member H	GO:0045576	mast cell activation
24224	Bcl-2,Bcl2	B-cell CLL/lymphoma 2	GO:0001656	metanephros development
294981	Spry1	sprouty homolog 1, antagonist of FGF signaling (Drosophila)	GO:0001656	metanephros development
298878	Odd1,Osr11	odd-skipped related 1 (Drosophila)	GO:0001656	metanephros development
308523	Tshz3,Zfp537	teashirt zinc finger homeobox 3	GO:0001656	metanephros development
364786	RGD1564327	similar to integrin alpha 8	GO:0001656	metanephros development
365872	Aph1a,RGD1311546	anterior pharynx defective 1 homolog A (C. elegans)	GO:0001656	metanephros development
81819	MGC93376,Pax8	paired box 8	GO:0001656	metanephros development

85272	BMP-7,Bmp7	bone morphogenetic protein 7	GO:0001656	metanephros development
24811	Abcb2,Cim1,MGC124549,Tap1	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)	GO:0042288	MHC class I protein binding
24812	Cim2,Abcb3,MGC108646,Tap2	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	GO:0042288	MHC class I protein binding
24934	Klrk1,NKG2D,Nkrp2	killer cell lectin-like receptor subfamily K, member 1	GO:0042288	MHC class I protein binding
362912	Der1,RGD1311835	Der1-like domain family, member 1	GO:0042288	MHC class I protein binding
25737	PCNAR,Pcna,Pcna/cyclin	proliferating cell nuclear antigen	GO:0006298	mismatch repair
305000	Exo1	exonuclease 1	GO:0006298	mismatch repair
314320	Mlh3	mutL homolog 3 (E. coli)	GO:0006298	mismatch repair
499505	Msh3	mutS homolog 3 (E. coli)	GO:0006298	mismatch repair
192126	DIP1/2,Dab2ip	DAB2 interacting protein	GO:0090090	negative regulation of canonical Wnt receptor signaling pathway
114109	Csx,Nkx2-5,Nkx2.5	NK2 transcription factor related, locus 5 (Drosophila)	GO:0090090	negative regulation of canonical Wnt receptor signaling pathway
25404	Cav,Cav1,MGC187299	caveolin 1, caveolae protein	GO:0090090	negative regulation of canonical Wnt receptor signaling pathway
29467	CHOP,CHOP-10,Chop10,Ddit3,C	DNA-damage inducible transcript 3	GO:0090090	negative regulation of canonical Wnt receptor signaling pathway
297893	Hdac12	histone deacetylase 1	GO:0090090	negative regulation of canonical Wnt receptor signaling pathway
299611	Apc2	adenomatosis polyposis coli 2	GO:0090090	negative regulation of canonical Wnt receptor signaling pathway
305922	Lats2	large tumor suppressor 2	GO:0090090	negative regulation of canonical Wnt receptor signaling pathway
307449	Mcc,RGD1561988	mutated in colorectal cancers	GO:0090090	negative regulation of canonical Wnt receptor signaling pathway
309377	Sfrp5	secreted frizzled-related protein 5	GO:0090090	negative regulation of canonical Wnt receptor signaling pathway
311163	Catns,Ctnnd1	catenin (cadherin associated protein), delta 1	GO:0090090	negative regulation of canonical Wnt receptor signaling pathway
312936	Sox17	SRY (sex determining region Y)-box 17	GO:0090090	negative regulation of canonical Wnt receptor signaling pathway
314717	RGD1305665,Scyl2	SCY1-like 2 (S. cerevisiae)	GO:0090090	negative regulation of canonical Wnt receptor signaling pathway
363126	Nphp3,RGD1563856	nephronophthisis 3 (adolescent)	GO:0090090	negative regulation of canonical Wnt receptor signaling pathway
65189	MST2,Stk3	serine/threonine kinase 3 (STE20 homolog, yeast)	GO:0090090	negative regulation of canonical Wnt receptor signaling pathway
679869	Tcf7l2	transcription factor 7-like 2 (T-cell specific, HMG-box)	GO:0090090	negative regulation of canonical Wnt receptor signaling pathway
79257	Axin,Axin1	axin 1	GO:0090090	negative regulation of canonical Wnt receptor signaling pathway
83501	Cdh2,N-cadherin	cadherin 2	GO:0090090	negative regulation of canonical Wnt receptor signaling pathway
192181	PC,PCLP-1,Podxl,podocalyxin	podocalyxin-like	GO:0007162	negative regulation of cell adhesion
192248	Cdh13,Cdht,MGC93172,T-cadherin	cadherin 13	GO:0007162	negative regulation of cell adhesion
314654	Myo1f	myosin IF	GO:0007162	negative regulation of cell adhesion
315615	Dscam11	Down syndrome cell adhesion molecule-like 1	GO:0007162	negative regulation of cell adhesion
56029	P140,Snip,Srcin1	SNAP25-interacting protein	GO:0007162	negative regulation of cell adhesion
81686	Mmp2	matrix metalloproteinase 2	GO:0007162	negative regulation of cell adhesion
114483	Cdk6	cyclin-dependent kinase 6	GO:0045786	negative regulation of cell cycle
24356	Ets-11,Ets1,Etsoncb,MGC12463	v-ets erythroblastosis virus E26 oncogene homolog 1 (avian)	GO:0045786	negative regulation of cell cycle
24596	LNGFR,Ngfr,RNNGFR,p75,p75I	nerve growth factor receptor (TNFR superfamily, member 16)	GO:0045786	negative regulation of cell cycle
24708	Rb1	retinoblastoma 1	GO:0045786	negative regulation of cell cycle
286895	Brinp2,Fam5b	family with sequence similarity 5, member B	GO:0045786	negative regulation of cell cycle
291137	Gmn	geminin	GO:0045786	negative regulation of cell cycle
297893	Hdac12	histone deacetylase 1	GO:0045786	negative regulation of cell cycle
64373	Arhb,Rhob	ras homolog gene family, member B	GO:0045786	negative regulation of cell cycle
85272	BMP-7,Bmp7	bone morphogenetic protein 7	GO:0045786	negative regulation of cell cycle
24617	PAI1A,Pai1,Pai1aa,Planh,RATPA	serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibitor 1)	GO:0010951	negative regulation of endopeptidase activity
288937	Serpinb8	serpin peptidase inhibitor, clade B (ovalbumin), member 8	GO:0010951	negative regulation of endopeptidase activity
29216	Lrp2	low density lipoprotein-related protein 2	GO:0010951	negative regulation of endopeptidase activity
29366	Gdnpn1,PI-7,Pn-1,Serpine2,Spir	serine (or cysteine) peptidase inhibitor, clade E, member 2	GO:0010951	negative regulation of endopeptidase activity

313488	Reck	reversion-inducing-cysteine-rich protein with kazal motifs	GO:0010951	negative regulation of endopeptidase activ
361241	MGC94010,Serpinb9	serpin peptidase inhibitor, clade B (ovalbumin), member 9	GO:0010951	negative regulation of endopeptidase activ
155430	Herp1,Hey2	hairy/enhancer-of-split related with YRPW motif 2	GO:0010553	negative regulation of gene-specific transc
192126	DIP1/2,Dab2ip	DAB2 interacting protein	GO:0010553	negative regulation of gene-specific transc
114109	Csx,Nkx2-5,Nkx2.5	NK2 transcription factor related, locus 5 (Drosophila)	GO:0010553	negative regulation of gene-specific transc
24388	Gfi1	growth factor independent 1 transcription repressor	GO:0010553	negative regulation of gene-specific transc
24873	Nr1i1,Vdr	vitamin D (1,25- dihydroxyvitamin D3) receptor	GO:0010553	negative regulation of gene-specific transc
25124	Stat1	signal transducer and activator of transcription 1	GO:0010553	negative regulation of gene-specific transc
25404	Cav,Cav1,MGC187299	caveolin 1, caveolae protein	GO:0010553	negative regulation of gene-specific transc
25640	Hnf1b,LF-B3,MGC93549,Tcf2,Vf	HNF1 homeobox B	GO:0010553	negative regulation of gene-specific transc
29300	Gata6	GATA binding protein 6	GO:0010553	negative regulation of gene-specific transc
297893	Hdac12	histone deacetylase 1	GO:0010553	negative regulation of gene-specific transc
303547	Ezh1	enhancer of zeste homolog 1 (Drosophila)	GO:0010553	negative regulation of gene-specific transc
360801	Ncor2	nuclear receptor co-repressor 2	GO:0010553	negative regulation of gene-specific transc
365755	RGD1560053,Tbl1xr1	transducin (beta)-like 1 X-linked receptor 1	GO:0010553	negative regulation of gene-specific transc
498999	Ahrr	aryl-hydrocarbon receptor repressor	GO:0010553	negative regulation of gene-specific transc
50672	Ednra2,Ednrb,Etb	endothelin receptor type B	GO:0010553	negative regulation of gene-specific transc
58851	Nr1h2,OR-1	nuclear receptor subfamily 1, group H, member 2	GO:0010553	negative regulation of gene-specific transc
59112	Hand1,MGC114332,eHand	heart and neural crest derivatives expressed 1	GO:0010553	negative regulation of gene-specific transc
63840	Per2,rPER2	period homolog 2 (Drosophila)	GO:0010553	negative regulation of gene-specific transc
679869	Tcf7l2	transcription factor 7-like 2 (T-cell specific, HMG-box)	GO:0010553	negative regulation of gene-specific transc
79237	Hex,Hhex	hematopoietically expressed homeobox	GO:0010553	negative regulation of gene-specific transc
192126	DIP1/2,Dab2ip	DAB2 interacting protein	GO:0043407	negative regulation of MAP kinase activity
25404	Cav,Cav1,MGC187299	caveolin 1, caveolae protein	GO:0043407	negative regulation of MAP kinase activity
25675	3H3M,Hmgcr	3-hydroxy-3-methylglutaryl-Coenzyme A reductase	GO:0043407	negative regulation of MAP kinase activity
29161	Cav3,MGC105449	caveolin 3	GO:0043407	negative regulation of MAP kinase activity
291610	Spry4	sprouty homolog 4 (Drosophila)	GO:0043407	negative regulation of MAP kinase activity
294981	Spry1	sprouty homolog 1, antagonist of FGF signaling (Drosophila)	GO:0043407	negative regulation of MAP kinase activity
29545	Uchl1	ubiquitin carboxyl-terminal esterase L1 (ubiquitin thiolesterase)	GO:0043407	negative regulation of MAP kinase activity
85272	BMP-7,Bmp7	bone morphogenetic protein 7	GO:0043407	negative regulation of MAP kinase activity
114514	Clasp2	cytoplasmic linker associated protein 2	GO:0007026	negative regulation of microtubule depolyr
29264	CLIP-115,Clip2,Cyln2	CAP-GLY domain containing linker protein 2	GO:0007026	negative regulation of microtubule depolyr
29456	Map1b,Mtap1b	microtubule-associated protein 1B	GO:0007026	negative regulation of microtubule depolyr
310635	Arhgef2,MGC95068	rho/rac guanine nucleotide exchange factor (GEF) 2	GO:0007026	negative regulation of microtubule depolyr
367171	Map4,Mtap4	microtubule-associated protein 4	GO:0007026	negative regulation of microtubule depolyr
24617	PAI1A,Pai1,Pai1aa,Planh,RATPA	serpin peptidase inhibitor, clade E (nexin, plasminogen activator inhibit	GO:0045861	negative regulation of proteolysis
25700	INSDEGM,Ide	insulin degrading enzyme	GO:0045861	negative regulation of proteolysis
29366	Gdnpn1,PI-7,Pn-1,Serpine2,Spir	serine (or cysteine) peptidase inhibitor, clade E, member 2	GO:0045861	negative regulation of proteolysis
361319	Spink5	serine peptidase inhibitor, Kazal type 5	GO:0045861	negative regulation of proteolysis
367242	Rab23	RAB23, member RAS oncogene family	GO:0045861	negative regulation of proteolysis
58851	Nr1h2,OR-1	nuclear receptor subfamily 1, group H, member 2	GO:0045861	negative regulation of proteolysis
171178	Adh7	alcohol dehydrogenase 7 (class IV), mu or sigma polypeptide	GO:0009968	negative regulation of signal transduction
25388	BARRES2,Arrb2,MGC105502	arrestin, beta 2	GO:0009968	negative regulation of signal transduction
25404	Cav,Cav1,MGC187299	caveolin 1, caveolae protein	GO:0009968	negative regulation of signal transduction
291936	Hhip,RGD1564108	Hedgehog-interacting protein	GO:0009968	negative regulation of signal transduction

29481	Rgs9	regulator of G-protein signaling 9	GO:0009968	negative regulation of signal transduction
54289	MGC112645,Rgs1	regulator of G-protein signaling 1	GO:0009968	negative regulation of signal transduction
54293	MGC93233,Rgs3,SRB-RGS	regulator of G-protein signaling 3	GO:0009968	negative regulation of signal transduction
54297	MGC105444,Rgs8	regulator of G-protein signaling 8	GO:0009968	negative regulation of signal transduction
60582	IL-1ra,Il1rn	interleukin 1 receptor antagonist	GO:0009968	negative regulation of signal transduction
84399	Ihh	Indian hedgehog	GO:0009968	negative regulation of signal transduction
24708	Rb1	retinoblastoma 1	GO:0045879	negative regulation of smoothened signalir
291936	Hhip,RGD1564108	Hedgehog-interacting protein	GO:0045879	negative regulation of smoothened signalir
29366	Gdnpn1,PI-7,Pn-1,Serpine2,Spir	serine (or cysteine) peptidase inhibitor, clade E, member 2	GO:0045879	negative regulation of smoothened signalir
364910	Sall3	sal-like 3 (Drosophila)	GO:0045879	negative regulation of smoothened signalir
367218	Cbfa1,Runx2	runt-related transcription factor 2	GO:0045879	negative regulation of smoothened signalir
24596	LNGFR,Ngfr,RNNGFR,p75,p75I	nerve growth factor receptor (TNFR superfamily, member 16)	GO:0048406	nerve growth factor binding
25507	Pace4,Pcsk6,Spc4	proprotein convertase subtilisin/kexin type 6	GO:0048406	nerve growth factor binding
54281	Furin,Pace,Pcsk3	furin (paired basic amino acid cleaving enzyme)	GO:0048406	nerve growth factor binding
83576	Nt3,Nts3,Sort1	sortilin 1	GO:0048406	nerve growth factor binding
114500	Gbx2	gastrulation brain homeobox 2	GO:0001755	neural crest cell migration
114502	Pax3	paired box 3	GO:0001755	neural crest cell migration
24716	Ret	ret proto-oncogene	GO:0001755	neural crest cell migration
29271	Cfl1	cofilin 1, non-muscle	GO:0001755	neural crest cell migration
29560	Hif1a,MOP1	hypoxia-inducible factor 1, alpha subunit (basic helix-loop-helix transcrip	GO:0001755	neural crest cell migration
296787	MGC189535,Sema3c	sema domain, immunoglobulin domain (Ig), short basic domain, secrete	GO:0001755	neural crest cell migration
50672	Ednra2,Ednrb,Etb	endothelin receptor type B	GO:0001755	neural crest cell migration
24215	Atp2b2,PMCA2	ATPase, Ca++ transporting, plasma membrane 2	GO:0003407	neural retina development
29598	Atp2b1,Pmca1a,Pmca1b,Pmca1	ATPase, Ca++ transporting, plasma membrane 1	GO:0003407	neural retina development
29600	Atp2b4,PMCA4	ATPase, Ca++ transporting, plasma membrane 4	GO:0003407	neural retina development
304157	Nrip1,RIP140	nuclear receptor interacting protein 1	GO:0035257	nuclear hormone receptor binding
309025	Tacc2	transforming, acidic coiled-coil containing protein 2	GO:0035257	nuclear hormone receptor binding
497991	Med1,RGD1559552	mediator complex subunit 1	GO:0035257	nuclear hormone receptor binding
679869	Tcf7l2	transcription factor 7-like 2 (T-cell specific, HMG-box)	GO:0035257	nuclear hormone receptor binding
306571	Moz,Myst3,Runxbp2,Znf220	MYST histone acetyltransferase (monocytic leukemia) 3	GO:0000786	nucleosome
308282	Shprh	SNF2 histone linker PHD RING helicase	GO:0000786	nucleosome
313647	Hp1bp3,MGC72624	heterochromatin protein 1, binding protein 3	GO:0000786	nucleosome
361844	H2afy2,RGD1561371	H2A histone family, member Y2	GO:0000786	nucleosome
500987	H2afx2,RGD1566119	H2A histone family, member X	GO:0000786	nucleosome
58940	H2afz,MGC105426,MGC72814	H2A histone family, member Z	GO:0000786	nucleosome
64646	H2a,Hist3h2a,MGC116285	histone cluster 3, H2a	GO:0000786	nucleosome
691488	Hist3h2bb	histone cluster 3, H2bb	GO:0000786	nucleosome
294408	Asf1a	ASF1 anti-silencing function 1 homolog A (S. cerevisiae)	GO:0006334	nucleosome assembly
29544	Tspyl,Tspyl1	TSPY-like 1	GO:0006334	nucleosome assembly
306571	Moz,Myst3,Runxbp2,Znf220	MYST histone acetyltransferase (monocytic leukemia) 3	GO:0006334	nucleosome assembly
307947	Set2	SET nuclear oncogene	GO:0006334	nucleosome assembly
308282	Shprh	SNF2 histone linker PHD RING helicase	GO:0006334	nucleosome assembly
309828	Tspyl4	TSPY-like 4	GO:0006334	nucleosome assembly
312538	Mcm2	minichromosome maintenance complex component 2	GO:0006334	nucleosome assembly
313647	Hp1bp3,MGC72624	heterochromatin protein 1, binding protein 3	GO:0006334	nucleosome assembly

361844	H2afy2,RGD1561371	H2A histone family, member Y2	GO:0006334	nucleosome assembly
500987	H2afx2,RGD1566119	H2A histone family, member X	GO:0006334	nucleosome assembly
58940	H2afz,MGC105426,MGC72814	H2A histone family, member Z	GO:0006334	nucleosome assembly
64646	H2a,Hist3h2a,MGC116285	histone cluster 3, H2a	GO:0006334	nucleosome assembly
691488	Hist3h2bb	histone cluster 3, H2bb	GO:0006334	nucleosome assembly
25267	APDGFR,PDGFAC, Pdgfra	platelet derived growth factor receptor, alpha polypeptide	GO:0042475	odontogenesis of dentine-containing tooth
25376	Ambn	ameloblastin	GO:0042475	odontogenesis of dentine-containing tooth
29300	Gata6	GATA binding protein 6	GO:0042475	odontogenesis of dentine-containing tooth
309361	Chuk	conserved helix-loop-helix ubiquitous kinase	GO:0042475	odontogenesis of dentine-containing tooth
312781	Lrp6	low density lipoprotein receptor-related protein 6	GO:0042475	odontogenesis of dentine-containing tooth
316526	Wnt6	wingless-type MMTV integration site family, member 6	GO:0042475	odontogenesis of dentine-containing tooth
367218	Cbfa1,Runx2	runt-related transcription factor 2	GO:0042475	odontogenesis of dentine-containing tooth
679869	Tcf7l2	transcription factor 7-like 2 (T-cell specific, HMG-box)	GO:0042475	odontogenesis of dentine-containing tooth
689404	Amtn	amelotin	GO:0042475	odontogenesis of dentine-containing tooth
81507	Bmpr1a	bone morphogenetic protein receptor, type IA	GO:0042475	odontogenesis of dentine-containing tooth
85272	BMP-7,Bmp7	bone morphogenetic protein 7	GO:0042475	odontogenesis of dentine-containing tooth
25204	BDP,PC1,PC3,Pcsk1	proprotein convertase subtilisin/kexin type 1	GO:0031016	pancreas development
29300	Gata6	GATA binding protein 6	GO:0031016	pancreas development
29357	MGC156656,Madh2,Smad2	SMAD family member 2	GO:0031016	pancreas development
311311	Meis2	Meis homeobox 2	GO:0031016	pancreas development
79237	Hex,Hhex	hematopoietically expressed homeobox	GO:0031016	pancreas development
81809	Tgfb2	transforming growth factor, beta 2	GO:0031016	pancreas development
84399	Ihh	Indian hedgehog	GO:0031016	pancreas development
170851	Map2k1,Mek1	mitogen activated protein kinase kinase 1	05212	Pancreatic cancer
170911	MGC116320,Pik3ca	phosphoinositide-3-kinase, catalytic, alpha polypeptide	05212	Pancreatic cancer
114111	Vegfc	vascular endothelial growth factor C	05212	Pancreatic cancer
114483	Cdk6	cyclin-dependent kinase 6	05212	Pancreatic cancer
24708	Rb1	retinoblastoma 1	05212	Pancreatic cancer
24827	RATTGFAA,TGFAA,Tgfa	transforming growth factor alpha	05212	Pancreatic cancer
25096	Pld1,Pld1a,Pld1b,Plda,Pldb	phospholipase D1	05212	Pancreatic cancer
25124	Stat1	signal transducer and activator of transcription 1	05212	Pancreatic cancer
25125	MGC93551,Stat3	signal transducer and activator of transcription 3	05212	Pancreatic cancer
25717	MGC105479,Tgfb3	transforming growth factor, beta 3	05212	Pancreatic cancer
29357	MGC156656,Madh2,Smad2	SMAD family member 2	05212	Pancreatic cancer
29591	MGC93659,Tgfb1	transforming growth factor, beta receptor 1	05212	Pancreatic cancer
309361	Chuk	conserved helix-loop-helix ubiquitous kinase	05212	Pancreatic cancer
497931	Pik3r5,RGD1563261	phosphoinositide-3-kinase, regulatory subunit 5	05212	Pancreatic cancer
499870	Rad512,RGD1563603	RAD51 homolog (RecA homolog, E. coli) (S. cerevisiae)	05212	Pancreatic cancer
81809	Tgfb2	transforming growth factor, beta 2	05212	Pancreatic cancer
84351	AIM-1,IKK2,Ikkbb	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase bet	05212	Pancreatic cancer
84598	Jak1	Janus kinase 1	05212	Pancreatic cancer
89811	Vegfb	vascular endothelial growth factor B	05212	Pancreatic cancer
25263	MALGENE,Mal	mal, T-cell differentiation protein	GO:0000300	peripheral to membrane of membrane fra
305434	Jakmip1,MGC125191,MGC1252	janus kinase and microtubule interacting protein 1	GO:0000300	peripheral to membrane of membrane fra
313488	Reck	reversion-inducing-cysteine-rich protein with kazal motifs	GO:0000300	peripheral to membrane of membrane fra

25167	LRP,MGC93561,Ptpra	protein tyrosine phosphatase, receptor type, A	GO:0001950	plasma membrane enriched fraction
64630	Snap23	synaptosomal-associated protein 23	GO:0001950	plasma membrane enriched fraction
81678	Itpr2	inositol 1,4,5-triphosphate receptor, type 2	GO:0001950	plasma membrane enriched fraction
114109	Csx,Nkx2-5,Nkx2.5	NK2 transcription factor related, locus 5 (Drosophila)	GO:0051929	positive regulation of calcium ion transport
24482	Igf1	insulin-like growth factor 1	GO:0051929	positive regulation of calcium ion transport
24772	Cxcl12,Sdf1	chemokine (C-X-C motif) ligand 12 (stromal cell-derived factor 1)	GO:0051929	positive regulation of calcium ion transport
24873	Nr1i1,Vdr	vitamin D (1,25- dihydroxyvitamin D3) receptor	GO:0051929	positive regulation of calcium ion transport
114109	Csx,Nkx2-5,Nkx2.5	NK2 transcription factor related, locus 5 (Drosophila)	GO:0051891	positive regulation of cardioblast differentiation
29300	Gata6	GATA binding protein 6	GO:0051891	positive regulation of cardioblast differentiation
81809	Tgfb2	transforming growth factor, beta 2	GO:0051891	positive regulation of cardioblast differentiation
171528	Gzmb,MGC156565,RNKP-1	granzyme B	GO:0010942	positive regulation of cell death
24410	Grin2b	glutamate receptor, ionotropic, N-methyl D-aspartate 2B	GO:0010942	positive regulation of cell death
25459	Ac2-008,Hmg1,Hmgb11,MGC93561	high mobility group box 1	GO:0010942	positive regulation of cell death
298894	Mycn,N-myc,Nmuc1,Nmyc	v-myc myelocytomatosis viral related oncogene, neuroblastoma derived	GO:0010942	positive regulation of cell death
64032	CTGRP,Ctgf	connective tissue growth factor	GO:0010942	positive regulation of cell death
85272	BMP-7,Bmp7	bone morphogenetic protein 7	GO:0010942	positive regulation of cell death
170851	Map2k1,Mek1	mitogen activated protein kinase kinase 1	GO:0030335	positive regulation of cell migration
192181	PC,PCLP-1,Podxl,podocalyxin	podocalyxin-like	GO:0030335	positive regulation of cell migration
192248	Cdh13,Cdht,MGC93172,T-cadherin	cadherin 13	GO:0030335	positive regulation of cell migration
24316	D1a,Drd-1,Drd11,Drd1a	dopamine receptor D1A	GO:0030335	positive regulation of cell migration
24356	Ets-11,Ets1,Etsnbc,MGC12463	v-ets erythroblastosis virus E26 oncogene homolog 1 (avian)	GO:0030335	positive regulation of cell migration
24772	Cxcl12,Sdf1	chemokine (C-X-C motif) ligand 12 (stromal cell-derived factor 1)	GO:0030335	positive regulation of cell migration
25096	Pld1,Pld1a,Pld1b,Plda,Pldb	phospholipase D1	GO:0030335	positive regulation of cell migration
25240	Aqp1,CHIP28	aquaporin 1	GO:0030335	positive regulation of cell migration
25267	APDGFR,PDGFAC,PDGFRA	platelet derived growth factor receptor, alpha polypeptide	GO:0030335	positive regulation of cell migration
25439	F2r,MGC93622,Par1,TRGPC	coagulation factor II (thrombin) receptor	GO:0030335	positive regulation of cell migration
25459	Ac2-008,Hmg1,Hmgb11,MGC93561	high mobility group box 1	GO:0030335	positive regulation of cell migration
25718	IGFIRC,Igf1r,JTK13	insulin-like growth factor 1 receptor	GO:0030335	positive regulation of cell migration
288593	Ccl24	chemokine (C-C motif) ligand 24	GO:0030335	positive regulation of cell migration
29463	MGC93357,Ptp4a1	protein tyrosine phosphatase type IVA, member 1	GO:0030335	positive regulation of cell migration
314654	Myo1f	myosin IF	GO:0030335	positive regulation of cell migration
360600	Spag9	sperm associated antigen 9	GO:0030335	positive regulation of cell migration
365355	MGC109327,Rras2	related RAS viral (r-ras) oncogene homolog 2	GO:0030335	positive regulation of cell migration
54281	Furin,Pace,Pcsk3	furin (paired basic amino acid cleaving enzyme)	GO:0030335	positive regulation of cell migration
54320	E11,Gp38,OTS-8,Pdpn,RTI40,T1	podoplanin	GO:0030335	positive regulation of cell migration
683722	Fgfr1op2,LOC683722	similar to Fgfr1 oncogene partner	GO:0030335	positive regulation of cell migration
81809	Tgfb2	transforming growth factor, beta 2	GO:0030335	positive regulation of cell migration
89808	Cx3c,Cx3cl1,Scyd1	chemokine (C-X3-C motif) ligand 1	GO:0030335	positive regulation of cell migration
24806	PPTA3,Ppt5fl,RATPPTA3,TAC,Ta	tachykinin 1	GO:0010634	positive regulation of epithelial cell migration
24807	Tacr1,Tacr1	tachykinin receptor 1	GO:0010634	positive regulation of epithelial cell migration
25240	Aqp1,CHIP28	aquaporin 1	GO:0010634	positive regulation of epithelial cell migration
29560	Hif1a,MOP1	hypoxia-inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)	GO:0010634	positive regulation of epithelial cell migration
304733	Epb4.115,Epb4115,MGC109531	erythrocyte protein band 4.1-like 5	GO:0010634	positive regulation of epithelial cell migration
81809	Tgfb2	transforming growth factor, beta 2	GO:0010634	positive regulation of epithelial cell migration
24806	PPTA3,Ppt5fl,RATPPTA3,TAC,Ta	tachykinin 1	GO:0003079	positive regulation of natriuresis

24807	Tac1r,Tacr1	tachykinin receptor 1	GO:0003079	positive regulation of natriuresis
50672	Ednra2,Ednrb,Etb	endothelin receptor type B	GO:0003079	positive regulation of natriuresis
24174	Adra2b	adrenergic, alpha-2B-, receptor	GO:0045666	positive regulation of neuron differentiat
24175	Adra2c	adrenergic, alpha-2C-, receptor	GO:0045666	positive regulation of neuron differentiat
114109	Csx,Nkx2-5,Nkx2.5	NK2 transcription factor related, locus 5 (Drosophila)	GO:0045666	positive regulation of neuron differentiat
24772	Cxcl12,Sdf1	chemokine (C-X-C motif) ligand 12 (stromal cell-derived factor 1)	GO:0045666	positive regulation of neuron differentiat
25099	Foxa2,Hnf3b	forkhead box A2	GO:0045666	positive regulation of neuron differentiat
29456	Map1b,Mtap1b	microtubule-associated protein 1B	GO:0045666	positive regulation of neuron differentiat
29458	Neurod1	neurogenic differentiation 1	GO:0045666	positive regulation of neuron differentiat
307721	Irx3	iroquois homeobox 3	GO:0045666	positive regulation of neuron differentiat
360600	Spag9	sperm associated antigen 9	GO:0045666	positive regulation of neuron differentiat
500048	Fezf1,RGD1560480	Fez family zinc finger 1	GO:0045666	positive regulation of neuron differentiat
500562	Lin282,RGD1566408	lin-28 homolog (C. elegans)	GO:0045666	positive regulation of neuron differentiat
50938	Cdo,Cdon	Cdon homolog (mouse)	GO:0045666	positive regulation of neuron differentiat
60329	Neurog3,Ngn3,Relax	neurogenin 3	GO:0045666	positive regulation of neuron differentiat
65193	Nkx6-1,Nkx6.1,Nkx61,Nkx6a	NK6 homeobox 1	GO:0045666	positive regulation of neuron differentiat
85272	BMP-7,Bmp7	bone morphogenetic protein 7	GO:0045666	positive regulation of neuron differentiat
117018	ERG11,Kcnh2	potassium voltage-gated channel, subfamily H (eag-related), member 2	GO:0006813	potassium ion transport
117101	KSHIID,Kcnc3	potassium voltage gated channel, Shaw-related subfamily, member 3	GO:0006813	potassium ion transport
117105	Kcnb2,Kv2.2	potassium voltage gated channel, Shab-related subfamily, member 2	GO:0006813	potassium ion transport
156873	Kcnk15	potassium channel, subfamily K, member 15	GO:0006813	potassium ion transport
170848	Kcnq2	potassium voltage-gated channel, KQT-like subfamily, member 2	GO:0006813	potassium ion transport
24212	Atp1a2,RATATPA2	ATPase, Na <sup>+</sup> /K <sup>+</sup> transporting, alpha 2 polypeptide	GO:0006813	potassium ion transport
24213	Atp1a3,Atpa1a3	ATPase, Na <sup>+</sup> /K <sup>+</sup> transporting, alpha 3 polypeptide	GO:0006813	potassium ion transport
25240	Aqp1,CHIP28	aquaporin 1	GO:0006813	potassium ion transport
25327	KSHIIB,Kcnc1,Kv3.1,Kv41,NGK2	potassium voltage gated channel, Shaw-related subfamily, member 1	GO:0006813	potassium ion transport
25469	Kv42,KCHAN,Kcna4,Kv1.4,RHK1	potassium voltage-gated channel, shaker-related subfamily, member 4	GO:0006813	potassium ion transport
276720	Kcnj14,Kir2.4	potassium inwardly-rectifying channel, subfamily J, member 14	GO:0006813	potassium ion transport
294065	Kcnv2	potassium channel, subfamily V, member 2	GO:0006813	potassium ion transport
29719	Kcnj16,Kir5.1	potassium inwardly-rectifying channel, subfamily J, member 16	GO:0006813	potassium ion transport
29737	Kcnab1,KvBeta3,MGC105463	potassium voltage-gated channel, shaker-related subfamily, beta memb	GO:0006813	potassium ion transport
29747	Kcnmb1	potassium large conductance calcium-activated channel, subfamily M, b	GO:0006813	potassium ion transport
307900	Kcng4	potassium voltage-gated channel, subfamily G, member 4	GO:0006813	potassium ion transport
311651	Slc9a8	solute carrier family 9 (sodium/hydrogen exchanger), member 8	GO:0006813	potassium ion transport
362521	RGD1305703,Tmem38b	transmembrane protein 38B	GO:0006813	potassium ion transport
362817	Cdk2	cyclin dependent kinase 2	GO:0006813	potassium ion transport
364241	Kcnk5,TASK2	potassium channel, subfamily K, member 5	GO:0006813	potassium ion transport
364410	Kctd9	potassium channel tetramerisation domain containing 9	GO:0006813	potassium ion transport
365241	Kcna7	potassium voltage-gated channel, shaker-related subfamily, member 7	GO:0006813	potassium ion transport
60355	Nsf	N-ethylmaleimide-sensitive factor	GO:0006813	potassium ion transport
65180	Kcnd2,Kv4.2,RK5,Shal1	potassium voltage-gated channel, Shal-related subfamily, member 2	GO:0006813	potassium ion transport
65195	Kcnd3,Kv4.3	potassium voltage-gated channel, Shal-related subfamily, member 3	GO:0006813	potassium ion transport
688993	Kctd7,MGC188043	potassium channel tetramerisation domain containing 7	GO:0006813	potassium ion transport
688996	Kcnk16	potassium channel, subfamily K, member 16	GO:0006813	potassium ion transport
83535	Kcnj11,Kir6.2	potassium inwardly rectifying channel, subfamily J, member 11	GO:0006813	potassium ion transport

83629	Bsc2,Nkcc1,Slc12a2	solute carrier family 12 (sodium/potassium/chloride transporters), mem	GO:0006813	potassium ion transport
84550	Nckx2,Slc24a2	solute carrier family 24 (sodium/potassium/calcium exchanger), membe	GO:0006813	potassium ion transport
85267	Nckx3,Slc24a3	solute carrier family 24 (sodium/potassium/calcium exchanger), membe	GO:0006813	potassium ion transport
117036	B2e,Lamc1	laminin, gamma 1	GO:0006461	protein complex assembly
24803	RATVAMPB,RATVAMPIR,SYB,Sy	vesicle-associated membrane protein 2	GO:0006461	protein complex assembly
24812	Cim2,Abcb3,MGC108646,Tap2	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	GO:0006461	protein complex assembly
25373	Aa2-066,Ahsg,pp63	alpha-2-HS-glycoprotein	GO:0006461	protein complex assembly
291137	Gmnn	geminin	GO:0006461	protein complex assembly
29528	MGC108618,Vamp3	vesicle-associated membrane protein 3	GO:0006461	protein complex assembly
29610	Tgfbr3,betaglycan	transforming growth factor, beta receptor III	GO:0006461	protein complex assembly
309391	Cox15,MGC124864	COX15 homolog, cytochrome c oxidase assembly protein (yeast)	GO:0006461	protein complex assembly
315348	Hem1,Nckap1l	NCK associated protein 1 like	GO:0006461	protein complex assembly
362279	Pard6b	par-6 (partitioning defective 6) homolog beta (C. elegans)	GO:0006461	protein complex assembly
64630	Snap23	synaptosomal-associated protein 23	GO:0006461	protein complex assembly
116478	ARMS,Kidins220	kinase D-interacting substrate 220	GO:0019887	protein kinase regulator activity
24699	CD45,L-CA,Lca,Ptpcr,RT7,T200	protein tyrosine phosphatase, receptor type, C	GO:0019887	protein kinase regulator activity
362957	Ankrd54,RGD1309552	ankyrin repeat domain 54	GO:0019887	protein kinase regulator activity
24790	Sp1	Sp1 transcription factor	GO:0032993	protein-DNA complex
679869	Tcf7l2	transcription factor 7-like 2 (T-cell specific, HMG-box)	GO:0032993	protein-DNA complex
79237	Hex,Hhex	hematopoietically expressed homeobox	GO:0032993	protein-DNA complex
295378	RGD1565941,Vav3	vav 3 guanine nucleotide exchange factor	GO:0030676	Rac guanyl-nucleotide exchange factor acti
310635	Arhgef2,MGC95068	rho/rac guanine nucleotide exchange factor (GEF) 2	GO:0030676	Rac guanyl-nucleotide exchange factor acti
312912	Depdc2,Prex2	phosphatidylinositol-3,4,5-trisphosphate-dependent Rac exchange facto	GO:0030676	Rac guanyl-nucleotide exchange factor acti
117264	P2ry6,P2y6	pyrimidinergic receptor P2Y, G-protein coupled, 6	GO:0004872	receptor activity
140595	Gir,Gpr83	G protein-coupled receptor 83	GO:0004872	receptor activity
140914	LOX-1,Oldlr1,Oldr1,Oldr11	oxidized low density lipoprotein (lectin-like) receptor 1	GO:0004872	receptor activity
170816	Olf78,Olfr59,Or51e2,RA1c	olfactory receptor 59	GO:0004872	receptor activity
171044	SSTR,Ssstr28,Sstr3	somatostatin receptor 3	GO:0004872	receptor activity
24174	Adra2b	adrenergic, alpha-2B-, receptor	GO:0004872	receptor activity
24175	Adra2c	adrenergic, alpha-2C-, receptor	GO:0004872	receptor activity
114110	Flt4,Vegfr3	fms-related tyrosine kinase 4	GO:0004872	receptor activity
116677	F2r11,Par-2,Par2	coagulation factor II (thrombin) receptor-like 1	GO:0004872	receptor activity
24316	D1a,Drd-1,Drd11,Drd1a	dopamine receptor D1A	GO:0004872	receptor activity
24326	ENDOR,Ednra1,Eta,RATENDOR	endothelin receptor type A	GO:0004872	receptor activity
24338	Ephb1,Ephb21,Erk,elk	Eph receptor B1	GO:0004872	receptor activity
24410	Grin2b	glutamate receptor, ionotropic, N-methyl D-aspartate 2B	GO:0004872	receptor activity
24414	Gprc1a,Grm1	glutamate receptor, metabotropic 1	GO:0004872	receptor activity
24415	Grm2	glutamate receptor, metabotropic 2	GO:0004872	receptor activity
24499	IL6R1,Il6r,Il6ra	interleukin 6 receptor	GO:0004872	receptor activity
24500	Il9r	interleukin 9 receptor	GO:0004872	receptor activity
245921	Acvr1c,Alk-7,Alk7,habrec1	activin A receptor, type IC	GO:0004872	receptor activity
24596	LNGFR,Ngfr,RNNGFR,p75,p75I	nerve growth factor receptor (TNFR superfamily, member 16)	GO:0004872	receptor activity
246116	Ptpn4	protein tyrosine phosphatase, non-receptor type 4	GO:0004872	receptor activity
24613	Oprd1	opioid receptor, delta 1	GO:0004872	receptor activity
246331	Nrp2,Nrp1	neuropilin 1	GO:0004872	receptor activity



24716	Ret	ret proto-oncogene	GO:0004872	receptor activity
24807	Tacr1r,Tacr1	tachykinin receptor 1	GO:0004872	receptor activity
24934	Klrk1,NKG2D,Nkrp2	killer cell lectin-like receptor subfamily K, member 1	GO:0004872	receptor activity
25102	Chrna5	cholinergic receptor, nicotinic, alpha 5	GO:0004872	receptor activity
25111	Chrm4,M4	cholinergic receptor, muscarinic 4	GO:0004872	receptor activity
25153	Mas1,c-mas	MAS1 oncogene	GO:0004872	receptor activity
25248	Cnr11,SKR6R	cannabinoid receptor 1 (brain)	GO:0004872	receptor activity
25267	APDGFR,PDGFACE,Pdgfra	platelet derived growth factor receptor, alpha polypeptide	GO:0004872	receptor activity
252889	Tmed7	transmembrane emp24 protein transport domain containing 7	GO:0004872	receptor activity
25316	FCIGA,Fcer1b,Ms4a11,Ms4a2	membrane-spanning 4-domains, subfamily A, member 2 (Fc fragment of	GO:0004872	receptor activity
25341	MGC93568,Opg,Tnfrsf11b	tumor necrosis factor receptor superfamily, member 11b	GO:0004872	receptor activity
25370	Adora3	adenosine A3 receptor	GO:0004872	receptor activity
25439	F2r,MGC93622,Par1,TRGPC	coagulation factor II (thrombin) receptor	GO:0004872	receptor activity
25505	P2XMR,P2rx1	purinergic receptor P2X, ligand-gated ion channel, 1	GO:0004872	receptor activity
25570	Trhr	thyrotropin releasing hormone receptor	GO:0004872	receptor activity
25648	Atrc1,CAT1,Cat-1,Slc7a1	solute carrier family 7 (cationic amino acid transporter, y+ system), men	GO:0004872	receptor activity
25672	MCR,Mlr,Nr3c2	nuclear receptor subfamily 3, group C, member 2	GO:0004872	receptor activity
25696	Vldlr	very low density lipoprotein receptor	GO:0004872	receptor activity
25718	IGFIRC,Igf1r,JTK13	insulin-like growth factor 1 receptor	GO:0004872	receptor activity
266771	V1ra16,Vom1r90	vomer nasal 1 receptor 90	GO:0004872	receptor activity
286981	Vom2r32	vomer nasal 2 receptor, 32	GO:0004872	receptor activity
286994	Gpr48,Lgr4	leucine-rich repeat-containing G protein-coupled receptor 4	GO:0004872	receptor activity
288264	Ifnar1	interferon (alpha, beta and omega) receptor 1	GO:0004872	receptor activity
289211	FCRII,Fcgr2,Fcgr2b	Fc fragment of IgG, low affinity IIb, receptor (CD32)	GO:0004872	receptor activity
289392	Plxna2	plexin A2	GO:0004872	receptor activity
289810	C1d1,MGC188504,RGD156060	C1D nuclear receptor co-repressor	GO:0004872	receptor activity
291352	Gpr158	G protein-coupled receptor 158	GO:0004872	receptor activity
29216	Lrp2	low density lipoprotein-related protein 2	GO:0004872	receptor activity
292537	Oscar,RGD1559897	osteoclast associated, immunoglobulin-like receptor	GO:0004872	receptor activity
29358	MGC109393,NPY-1,Npy1r	neuropeptide Y receptor Y1	GO:0004872	receptor activity
294043	Sorcs3	sortilin-related VPS10 domain containing receptor 3	GO:0004872	receptor activity
294797	Il7r	interleukin 7 receptor	GO:0004872	receptor activity
295235	Ssr2	signal sequence receptor, beta	GO:0004872	receptor activity
29591	MGC93659,Tgfb1	transforming growth factor, beta receptor 1	GO:0004872	receptor activity
29616	Ptpm	protein tyrosine phosphatase, receptor type, M	GO:0004872	receptor activity
29629	GluA4,GluR-D,GluR4,Gria4	glutamate receptor, ionotropic, AMPA 4	GO:0004872	receptor activity
29636	F2r12,PAR3	coagulation factor II (thrombin) receptor-like 2	GO:0004872	receptor activity
29657	Arntl	aryl hydrocarbon receptor nuclear translocator-like	GO:0004872	receptor activity
296787	MGC189535,Sema3c	sema domain, immunoglobulin domain (Ig), short basic domain, secrete	GO:0004872	receptor activity
296789	Sema3e	sema domain, immunoglobulin domain (Ig), short basic domain, secrete	GO:0004872	receptor activity
29705	Gabra1	gamma-aminobutyric acid (GABA) A receptor, alpha 1	GO:0004872	receptor activity
29707	Gabra5	gamma-aminobutyric acid (GABA) A receptor, alpha 5	GO:0004872	receptor activity
29714	Ptpn2	protein tyrosine phosphatase, receptor type, N polypeptide 2	GO:0004872	receptor activity
298943	Bcap29,MGC93926	B-cell receptor-associated protein 29	GO:0004872	receptor activity
300950	RGD1562307,Spsb4	splA/ryanodine receptor domain and SOCS box containing 4	GO:0004872	receptor activity

301372	Gpr45	G protein-coupled receptor 45	GO:0004872	receptor activity
303285	Traf4	Tnf receptor associated factor 4	GO:0004872	receptor activity
303901	Sema5b	sema domain, seven thrombospondin repeats (type 1 and type 1-like), t	GO:0004872	receptor activity
303926	Igsf11,MGC94879	immunoglobulin superfamily, member 11	GO:0004872	receptor activity
304157	Nrip1,RIP140	nuclear receptor interacting protein 1	GO:0004872	receptor activity
305880	Lrp10,MGC124814	low-density lipoprotein receptor-related protein 10	GO:0004872	receptor activity
306886	Ripk1	receptor (TNFRSF)-interacting serine-threonine kinase 1	GO:0004872	receptor activity
308716	Il20ra	interleukin 20 receptor, alpha	GO:0004872	receptor activity
310207	Sema5a	sema domain, seven thrombospondin repeats (type 1 and type 1-like), t	GO:0004872	receptor activity
310486	Rarres1	retinoic acid receptor responder (tazarotene induced) 1	GO:0004872	receptor activity
310630	Sema4a	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM)	GO:0004872	receptor activity
311061	Itgb6,MGC94023	integrin, beta 6	GO:0004872	receptor activity
311730	Gpr155	G protein-coupled receptor 155	GO:0004872	receptor activity
311857	Gpr107	G protein-coupled receptor 107	GO:0004872	receptor activity
311911	Gpr211,Rabgap1	RAB GTPase activating protein 1	GO:0004872	receptor activity
312781	Lrp6	low density lipoprotein receptor-related protein 6	GO:0004872	receptor activity
313270	Egfl5,Megf9	multiple EGF-like-domains 9	GO:0004872	receptor activity
314850	Frs2	fibroblast growth factor receptor substrate 2	GO:0004872	receptor activity
360697	Ifngr2	interferon gamma receptor 2	GO:0004872	receptor activity
360733	RGD1306974,Rtp4	receptor (chemosensory) transporter protein 4	GO:0004872	receptor activity
360801	Ncor2	nuclear receptor co-repressor 2	GO:0004872	receptor activity
361233	Ssr1	signal sequence receptor, alpha	GO:0004872	receptor activity
361388	Gab1	GRB2-associated binding protein 1	GO:0004872	receptor activity
361577	Kdelr1,MGC109169	KDEL (Lys-Asp-Glu-Leu) endoplasmic reticulum protein retention recept	GO:0004872	receptor activity
361615	Relt,Tnfrsf19l	RELT tumor necrosis factor receptor	GO:0004872	receptor activity
361764	Sema4g	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM)	GO:0004872	receptor activity
361940	MGC93874,Pgrmc2	progesterone receptor membrane component 2	GO:0004872	receptor activity
362049	Unc5c	unc-5 homolog C (C. elegans)	GO:0004872	receptor activity
362384	RGD1305230,Reep1	receptor accessory protein 1	GO:0004872	receptor activity
362436	Gpr162,Grca	G protein-coupled receptor 162	GO:0004872	receptor activity
363013	RGD1305625,Tmem123	transmembrane protein 123	GO:0004872	receptor activity
364420	Tnfrsf10b	tumor necrosis factor receptor superfamily, member 10b	GO:0004872	receptor activity
364786	RGD1564327	similar to integrin alpha 8	GO:0004872	receptor activity
365755	RGD1560053,Tbl1xr1	transducin (beta)-like 1 X-linked receptor 1	GO:0004872	receptor activity
366518	MGC108903,Tnfrsf14	tumor necrosis factor receptor superfamily, member 14 (herpesvirus en	GO:0004872	receptor activity
393086	Pcdha2,rCNRv02	protocadherin alpha 2	GO:0004872	receptor activity
393088	Pcdha6,rCNRv06	protocadherin alpha 6	GO:0004872	receptor activity
393089	Pcdha7,rCNRv07	protocadherin alpha 7	GO:0004872	receptor activity
494195	Ly49s4	Ly49 stimulatory receptor 4	GO:0004872	receptor activity
494204	Ly49i4	Ly49 inhibitory receptor 4	GO:0004872	receptor activity
497991	Med1,RGD1559552	mediator complex subunit 1	GO:0004872	receptor activity
498286	RGD1560634,Slamf1	signaling lymphocytic activation molecule family member 1	GO:0004872	receptor activity
499668	Lingo4,RGD1562025	leucine rich repeat and Ig domain containing 4	GO:0004872	receptor activity
500349	Gprc5d,RGD1563887	G protein-coupled receptor, family C, group 5, member D	GO:0004872	receptor activity
50577	Galnr1,Galr1	galanin receptor 1	GO:0004872	receptor activity

50672	Ednra2,Ednrb,Etb	endothelin receptor type B	GO:0004872	receptor activity
57302	CB2,Cnr2	cannabinoid receptor 2 (macrophage)	GO:0004872	receptor activity
58949	Ptafr	platelet-activating factor receptor	GO:0004872	receptor activity
59076	Gprk6,Grk6	G protein-coupled receptor kinase 6	GO:0004872	receptor activity
60399	Edg-8,Edg8,S1pr5	sphingosine-1-phosphate receptor 5	GO:0004872	receptor activity
60448	Htr1eb,Htr1f	5-hydroxytryptamine (serotonin) receptor 1F	GO:0004872	receptor activity
60582	IL-1ra,Il1rn	interleukin 1 receptor antagonist	GO:0004872	receptor activity
60669	Cmklr1	chemokine-like receptor 1	GO:0004872	receptor activity
619385	MGC72479,Ncoa4	nuclear receptor coactivator 4	GO:0004872	receptor activity
64025	2B4,Cd244,Nmrk	Cd244 molecule, natural killer cell receptor 2B4	GO:0004872	receptor activity
64154	Gosr2	golgi SNAP receptor complex member 2	GO:0004872	receptor activity
64443	Gpr88	G-protein coupled receptor 88	GO:0004872	receptor activity
64678	Tfrc,Trfr	transferrin receptor	GO:0004872	receptor activity
690899	MGC112715	platelet receptor Gi24	GO:0004872	receptor activity
78958	Bcam,Lu	basal cell adhesion molecule	GO:0004872	receptor activity
79220	Grid2	glutamate receptor, ionotropic, delta 2	GO:0004872	receptor activity
81507	Bmpr1a	bone morphogenetic protein receptor, type IA	GO:0004872	receptor activity
81668	GH1,Gnrhr,Lhrhr	gonadotropin releasing hormone receptor	GO:0004872	receptor activity
83526	Atrn	attractin	GO:0004872	receptor activity
83576	Nt3,Nts3,Sort1	sortilin 1	GO:0004872	receptor activity
84398	C1qRp,C1qr1,Cd93,Ly68	CD93 molecule	GO:0004872	receptor activity
89804	Tek,Tie-2,Tie2	TEK tyrosine kinase, endothelial	GO:0004872	receptor activity
94202	Pcptp1,Ptprr	protein tyrosine phosphatase, receptor type, R	GO:0004872	receptor activity
116677	F2r11,Par-2,Par2	coagulation factor II (thrombin) receptor-like 1	GO:0030193	regulation of blood coagulation
25099	Foxa2,Hnf3b	forkhead box A2	GO:0030193	regulation of blood coagulation
25404	Cav,Cav1,MGC187299	caveolin 1, caveolae protein	GO:0030193	regulation of blood coagulation
25439	F2r,MGC93622,Par1,TRGPC	coagulation factor II (thrombin) receptor	GO:0030193	regulation of blood coagulation
192204	Ehd4,MGC91469,Past2	EH-domain containing 4	GO:0030100	regulation of endocytosis
192248	Cdh13,Cdht,MGC93172,T-cadherin	cadherin 13	GO:0030100	regulation of endocytosis
287709	Rab5c	RAB5C, member RAS oncogene family	GO:0030100	regulation of endocytosis
314349	RGD1311502,Ston2	stonin 2	GO:0030100	regulation of endocytosis
60443	Epn2	epsin 2	GO:0030100	regulation of endocytosis
64531	Omp25,Synj2bp	synaptojanin 2 binding protein	GO:0030100	regulation of endocytosis
116589	Maspin,PI-5,Pi5,Serpinb5	serpin peptidase inhibitor, clade B (ovalbumin), member 5	GO:0050678	regulation of epithelial cell proliferation
24326	ENDOR,Ednra1,Eta,RATENDOR	endothelin receptor type A	GO:0050678	regulation of epithelial cell proliferation
25154	Pgr	progesterone receptor	GO:0050678	regulation of epithelial cell proliferation
25717	MGC105479,Tgfb3	transforming growth factor, beta 3	GO:0050678	regulation of epithelial cell proliferation
314850	Frs2	fibroblast growth factor receptor substrate 2	GO:0050678	regulation of epithelial cell proliferation
50672	Ednra2,Ednrb,Etb	endothelin receptor type B	GO:0050678	regulation of epithelial cell proliferation
155192	Abcg8	ATP-binding cassette, subfamily G (WHITE), member 8	GO:0030300	regulation of intestinal cholesterol absorpt
114628	Abcg5	ATP-binding cassette, subfamily G (WHITE), member 5	GO:0030300	regulation of intestinal cholesterol absorpt
25608	Lep,OB,obese	leptin	GO:0030300	regulation of intestinal cholesterol absorpt
257649	Cenpf,Lek1	centromere protein F	GO:0032886	regulation of microtubule-based process
306562	Tacc1,Tacc1a	transforming, acidic coiled-coil containing protein 1	GO:0032886	regulation of microtubule-based process
307302	Ccdc100,Cep120,RGD1565619	centrosomal protein 120kDa	GO:0032886	regulation of microtubule-based process

309025	Tacc2	transforming, acidic coiled-coil containing protein 2	GO:0032886	regulation of microtubule-based process
24672	Pp2a1, Ppp2ca	protein phosphatase 2, catalytic subunit, alpha isoform	GO:0042176	regulation of protein catabolic process
287670	MGC94658, Psmd3	proteasome (prosome, macropain) 26S subunit, non-ATPase, 3	GO:0042176	regulation of protein catabolic process
29657	Arntl	aryl hydrocarbon receptor nuclear translocator-like	GO:0042176	regulation of protein catabolic process
54281	Furin, Pace, Pcsk3	furin (paired basic amino acid cleaving enzyme)	GO:0042176	regulation of protein catabolic process
24482	Igf1	insulin-like growth factor 1	GO:0001932	regulation of protein phosphorylation
24672	Pp2a1, Ppp2ca	protein phosphatase 2, catalytic subunit, alpha isoform	GO:0001932	regulation of protein phosphorylation
24679	MGC116401, Prkar2b, RATDNA	protein kinase, cAMP dependent regulatory, type II beta	GO:0001932	regulation of protein phosphorylation
25388	BARRES2, Arrb2, MGC105502	arrestin, beta 2	GO:0001932	regulation of protein phosphorylation
29699	Prkar2a	protein kinase, cAMP dependent regulatory, type II alpha	GO:0001932	regulation of protein phosphorylation
303586	Wnt9b	wingless-type MMTV integration site family, member 9B	GO:0001932	regulation of protein phosphorylation
499529	Aqdq, Ndufs4	NADH dehydrogenase (ubiquinone) Fe-S protein 4	GO:0001932	regulation of protein phosphorylation
79257	Axin, Axin1	axin 1	GO:0001932	regulation of protein phosphorylation
84686	Neb2, Ppp1r9b	protein phosphatase 1, regulatory subunit 9B	GO:0001932	regulation of protein phosphorylation
24212	Atp1a2, RATATPA2	ATPase, Na <sup>+</sup> /K <sup>+</sup> transporting, alpha 2 polypeptide	GO:0002087	regulation of respiratory gaseous exchange
116647	Nlgn1	neuroligin 1	GO:0002087	regulation of respiratory gaseous exchange
24398	Gls, Glut, RATGLUT	glutaminase	GO:0002087	regulation of respiratory gaseous exchange
308523	Tshz3, Zfp537	teashirt zinc finger homeobox 3	GO:0002087	regulation of respiratory gaseous exchange
311876	Pbx3	pre-B-cell leukemia homeobox 3	GO:0002087	regulation of respiratory gaseous exchange
24414	Gprc1a, Grm1	glutamate receptor, metabotropic 1	GO:0051966	regulation of synaptic transmission glutarr
24415	Grm2	glutamate receptor, metabotropic 2	GO:0051966	regulation of synaptic transmission glutarr
25248	Cnr11, SKR6R	cannabinoid receptor 1 (brain)	GO:0051966	regulation of synaptic transmission glutarr
29366	Gdnpn1, PI-7, Pn-1, Serpine2, Spir	serine (or cysteine) peptidase inhibitor, clade E, member 2	GO:0051966	regulation of synaptic transmission glutarr
117018	ERG11, Kcnh2	potassium voltage-gated channel, subfamily H (eag-related), member 2	GO:0006355	regulation of transcription DNA-dependen
117526	MGC93994, TFIID, Tbp	TATA box binding protein	GO:0006355	regulation of transcription DNA-dependen
100125361	MGC1567902, LOC100125361	zinc finger protein LOC100125361	GO:0006355	regulation of transcription DNA-dependen
100233177	LOC100233177	hypothetical protein LOC100233177	GO:0006355	regulation of transcription DNA-dependen
114090	Egr2, Krox20	early growth response 2	GO:0006355	regulation of transcription DNA-dependen
114502	Pax3	paired box 3	GO:0006355	regulation of transcription DNA-dependen
114634	Six1	SIX homeobox 1	GO:0006355	regulation of transcription DNA-dependen
115768	Zfp37	zinc finger protein 37	GO:0006355	regulation of transcription DNA-dependen
116543	Ebf, Ebf1, Olf1	early B-cell factor 1	GO:0006355	regulation of transcription DNA-dependen
116665	Arp2, Rere	arginine-glutamic acid dipeptide (RE) repeats	GO:0006355	regulation of transcription DNA-dependen
24309	Dbp, MGC105474	D site of albumin promoter (albumin D-box) binding protein	GO:0006355	regulation of transcription DNA-dependen
24356	Ets-11, Ets1, Etsoncb, MGC12463	v-ets erythroblastosis virus E26 oncogene homolog 1 (avian)	GO:0006355	regulation of transcription DNA-dependen
24370	BF1A, Fkh1, Foxg1, RATBF1A	forkhead box G1	GO:0006355	regulation of transcription DNA-dependen
24518	Jund, MGC72300	jun D proto-oncogene	GO:0006355	regulation of transcription DNA-dependen
24790	Sp1	Sp1 transcription factor	GO:0006355	regulation of transcription DNA-dependen
24817	HNF1, Hnf1a, LF-B1, Lfb1, Tcf1	HNF1 homeobox A	GO:0006355	regulation of transcription DNA-dependen
24874	Vhl, Vhlh	von Hippel-Lindau tumor suppressor	GO:0006355	regulation of transcription DNA-dependen
25094	Mitf	microphthalmia-associated transcription factor	GO:0006355	regulation of transcription DNA-dependen
25099	Foxa2, Hnf3b	forkhead box A2	GO:0006355	regulation of transcription DNA-dependen
25124	Stat1	signal transducer and activator of transcription 1	GO:0006355	regulation of transcription DNA-dependen
25125	MGC93551, Stat3	signal transducer and activator of transcription 3	GO:0006355	regulation of transcription DNA-dependen
25154	Pgr	progesterone receptor	GO:0006355	regulation of transcription DNA-dependen

25483	Msx2	msh homeobox 2	GO:0006355	regulation of transcription	DNA-dependen
25640	Hnf1b,LF-B3,MGC93549,Tcf2,VI	HNF1 homeobox B	GO:0006355	regulation of transcription	DNA-dependen
25671	Madh1,Smad1	SMAD family member 1	GO:0006355	regulation of transcription	DNA-dependen
25672	MCR,Mlr,Nr3c2	nuclear receptor subfamily 3, group C, member 2	GO:0006355	regulation of transcription	DNA-dependen
25701	MXI-WR,Mxi1	MAX interactor 1	GO:0006355	regulation of transcription	DNA-dependen
266600	Csdc2,Pippin	cold shock domain containing C2, RNA binding	GO:0006355	regulation of transcription	DNA-dependen
266680	Nzf3,St18,r-MyT3	suppression of tumorigenicity 18	GO:0006355	regulation of transcription	DNA-dependen
266773	Hit40,Zfp709,Znf14	zinc finger protein 709	GO:0006355	regulation of transcription	DNA-dependen
287647	Hoxb9	homeo box B9	GO:0006355	regulation of transcription	DNA-dependen
288489	RGD1562875,Rbak	RB-associated KRAB zinc finger	GO:0006355	regulation of transcription	DNA-dependen
288651	Gtf2h3	general transcription factor IIH, polypeptide 3	GO:0006355	regulation of transcription	DNA-dependen
289185	Creg,Creg1	cellular repressor of E1A-stimulated genes 1	GO:0006355	regulation of transcription	DNA-dependen
289201	Lmx1a	LIM homeobox transcription factor 1 alpha	GO:0006355	regulation of transcription	DNA-dependen
289311	Mixl1	Mix1 homeobox-like 1 ( <i>Xenopus laevis</i> )	GO:0006355	regulation of transcription	DNA-dependen
292721	Erf	Ets2 repressor factor	GO:0006355	regulation of transcription	DNA-dependen
29300	Gata6	GATA binding protein 6	GO:0006355	regulation of transcription	DNA-dependen
293538	Hmx2,RGD1565366	H6 family homeobox 2	GO:0006355	regulation of transcription	DNA-dependen
29357	MGC156656,Madh2,Smad2	SMAD family member 2	GO:0006355	regulation of transcription	DNA-dependen
29362	Tef	thyrotrophic embryonic factor	GO:0006355	regulation of transcription	DNA-dependen
294395	Rfx6,Rfxdc1	regulatory factor X, 6	GO:0006355	regulation of transcription	DNA-dependen
29458	Neurod1	neurogenic differentiation 1	GO:0006355	regulation of transcription	DNA-dependen
29467	CHOP,CHOP-10,Chop10,Ddit3,C	DNA-damage inducible transcript 3	GO:0006355	regulation of transcription	DNA-dependen
295315	Tbx15	T-box 15	GO:0006355	regulation of transcription	DNA-dependen
29560	Hif1a,MOP1	hypoxia-inducible factor 1, alpha subunit (basic helix-loop-helix transcrip	GO:0006355	regulation of transcription	DNA-dependen
29657	Arntl	aryl hydrocarbon receptor nuclear translocator-like	GO:0006355	regulation of transcription	DNA-dependen
297065	Zfp282,Znf282	zinc finger protein 282	GO:0006355	regulation of transcription	DNA-dependen
297705	Aebp2	AE binding protein 2	GO:0006355	regulation of transcription	DNA-dependen
298894	Mycn,N-myc,Nmuc1,Nmyc	v-myc myelocytomatosis viral related oncogene, neuroblastoma derivec	GO:0006355	regulation of transcription	DNA-dependen
299138	Six4	SIX homeobox 4	GO:0006355	regulation of transcription	DNA-dependen
299206	Batf	basic leucine zipper transcription factor, ATF-like	GO:0006355	regulation of transcription	DNA-dependen
299766	Myf5	myogenic factor 5	GO:0006355	regulation of transcription	DNA-dependen
299897	Trps1	trichorhinophalangeal syndrome I homolog (human)	GO:0006355	regulation of transcription	DNA-dependen
301285	Tcfap2b	transcription factor AP-2 beta	GO:0006355	regulation of transcription	DNA-dependen
302962	Zfp206,Znf206,Zscan10	zinc finger and SCAN domain containing 10	GO:0006355	regulation of transcription	DNA-dependen
303212	Zfp287,Znf287	zinc finger protein 287	GO:0006355	regulation of transcription	DNA-dependen
303399	Tbx4	T-box 4	GO:0006355	regulation of transcription	DNA-dependen
303469	Dlx4	distal-less homeobox 4	GO:0006355	regulation of transcription	DNA-dependen
303480	Hoxb13	homeo box B13	GO:0006355	regulation of transcription	DNA-dependen
303539	Gcn5l2,Kat2a	K(lysine) acetyltransferase 2A	GO:0006355	regulation of transcription	DNA-dependen
303753	Foxk2	forkhead box K2	GO:0006355	regulation of transcription	DNA-dependen
304208	Lass4	LAG1 homolog, ceramide synthase 4	GO:0006355	regulation of transcription	DNA-dependen
304336	RGD1566386	similar to Hypothetical protein A430033K04	GO:0006355	regulation of transcription	DNA-dependen
304786	Elk4	ELK4, ETS-domain protein (SRF accessory protein 1)	GO:0006355	regulation of transcription	DNA-dependen
304962	Atf6	activating transcription factor 6	GO:0006355	regulation of transcription	DNA-dependen
305888	ZFH,Zfhx2	zinc finger homeobox 2	GO:0006355	regulation of transcription	DNA-dependen

305896	Irf9,Isgf3g	interferon regulatory factor 9	GO:0006355	regulation of transcription	DNA-dependen
307236	Adnp2,MGC188386,RGD130827	ADNP homeobox 2	GO:0006355	regulation of transcription	DNA-dependen
308362	Zfp110	zinc finger protein 110	GO:0006355	regulation of transcription	DNA-dependen
308523	Tshz3,Zfp537	teashirt zinc finger homeobox 3	GO:0006355	regulation of transcription	DNA-dependen
309259	Ndn12	necdin-like 2	GO:0006355	regulation of transcription	DNA-dependen
309430	Dmrt2	doublesex and mab-3 related transcription factor 2	GO:0006355	regulation of transcription	DNA-dependen
310250	RGD1563022,Zfhx4	zinc finger homeobox 4	GO:0006355	regulation of transcription	DNA-dependen
310659	Rfx5	regulatory factor X, 5 (influences HLA class II expression)	GO:0006355	regulation of transcription	DNA-dependen
311311	Meis2	Meis homeobox 2	GO:0006355	regulation of transcription	DNA-dependen
311876	Pbx3	pre-B-cell leukemia homeobox 3	GO:0006355	regulation of transcription	DNA-dependen
311901	Lhx6	LIM homeobox 6	GO:0006355	regulation of transcription	DNA-dependen
313352	Dmrta1	DMRT-like family A1	GO:0006355	regulation of transcription	DNA-dependen
313512	Dmbx1,Otx3	diencephalon/mesencephalon homeobox 1	GO:0006355	regulation of transcription	DNA-dependen
314221	Six6	SIX homeobox 6	GO:0006355	regulation of transcription	DNA-dependen
314616	Arid3a,MGC189073	AT rich interactive domain 3A (Bright like)	GO:0006355	regulation of transcription	DNA-dependen
315341	Hoxc5	homeo box C5	GO:0006355	regulation of transcription	DNA-dependen
315870	Tbx18	T-box18	GO:0006355	regulation of transcription	DNA-dependen
337868	MGC156574,Myod1	myogenic differentiation 1	GO:0006355	regulation of transcription	DNA-dependen
360858	Lhx4	LIM homeobox 4	GO:0006355	regulation of transcription	DNA-dependen
361178	MGC112830	similar to transcription factor	GO:0006355	regulation of transcription	DNA-dependen
361783	MGC156546,Zfp57	zinc finger protein 57	GO:0006355	regulation of transcription	DNA-dependen
362165	Creb3l1,MGC94038,Oasis	cAMP responsive element binding protein 3-like 1	GO:0006355	regulation of transcription	DNA-dependen
362489	Cbfa2t1,Runx1t1	runt-related transcription factor 1; translocated to, 1 (cyclin D-related)	GO:0006355	regulation of transcription	DNA-dependen
362533	MGC189561,Tle1	transducin-like enhancer of split 1 (E(sp1) homolog, Drosophila)	GO:0006355	regulation of transcription	DNA-dependen
362591	Mtf1	metal-regulatory transcription factor 1	GO:0006355	regulation of transcription	DNA-dependen
362871	Elk3	ELK3, ETS-domain protein	GO:0006355	regulation of transcription	DNA-dependen
363165	Axud1,Csrnp1	cysteine-serine-rich nuclear protein 1	GO:0006355	regulation of transcription	DNA-dependen
363185	Foxp4	forkhead box P4	GO:0006355	regulation of transcription	DNA-dependen
364081	Irf6	interferon regulatory factor 6	GO:0006355	regulation of transcription	DNA-dependen
365371	Tbx6	T-box 6	GO:0006355	regulation of transcription	DNA-dependen
365590	Bif1a,ZNF450,Zbtb24	zinc finger and BTB domain containing 24	GO:0006355	regulation of transcription	DNA-dependen
367033	RGD1565847,Zfp26	zinc finger protein 26	GO:0006355	regulation of transcription	DNA-dependen
367034	Zfp4261,Zfp426l	zinc finger protein 426-like	GO:0006355	regulation of transcription	DNA-dependen
367106	Foxb1,MGC109378	forkhead box B1	GO:0006355	regulation of transcription	DNA-dependen
367218	Cbfa1,Runx2	runt-related transcription factor 2	GO:0006355	regulation of transcription	DNA-dependen
368002	Baz1b	bromodomain adjacent to zinc finger domain, 1B	GO:0006355	regulation of transcription	DNA-dependen
494339	MGC72997,Zfp799,Zpf799	zinc finger protein 799	GO:0006355	regulation of transcription	DNA-dependen
497923	RGD1561950,Zfp286,Znf286a	zinc finger protein 286A	GO:0006355	regulation of transcription	DNA-dependen
497991	Med1,RGD1559552	mediator complex subunit 1	GO:0006355	regulation of transcription	DNA-dependen
498160	MGC116363,Zkscan1	zinc finger with KRAB and SCAN domains 1	GO:0006355	regulation of transcription	DNA-dependen
498545	MGC156831,TS22A,TSC-22,Tgfb	TSC22 domain family, member 1	GO:0006355	regulation of transcription	DNA-dependen
498999	Ahrr	aryl-hydrocarbon receptor repressor	GO:0006355	regulation of transcription	DNA-dependen
499095	MGC114501,Zfp94	zinc finger protein 94	GO:0006355	regulation of transcription	DNA-dependen
499174	Lass3,RGD1564356	LAG1 homolog, ceramide synthase 3	GO:0006355	regulation of transcription	DNA-dependen
499380	Emx2,RGD1564797	empty spiracles homeobox 2	GO:0006355	regulation of transcription	DNA-dependen

499563	Zfp458	zinc finger protein 458	GO:0006355	regulation of transcription	DNA-dependen
499624	Tsc22d2	TSC22 domain family, member 2	GO:0006355	regulation of transcription	DNA-dependen
499900	LOC499900	similar to Zinc finger protein 133	GO:0006355	regulation of transcription	DNA-dependen
500562	Lin282,RGD1566408	lin-28 homolog (C. elegans)	GO:0006355	regulation of transcription	DNA-dependen
500950	RGD1565419,Zfp317	zinc finger protein 317	GO:0006355	regulation of transcription	DNA-dependen
500981	RGD1562294,Zfp202	zinc finger protein 202	GO:0006355	regulation of transcription	DNA-dependen
54267	Maf1,Maf2,cMaf	v-maf musculoaponeurotic fibrosarcoma oncogene homolog (avian)	GO:0006355	regulation of transcription	DNA-dependen
58842	Preb	prolactin regulatory element binding	GO:0006355	regulation of transcription	DNA-dependen
58851	Nr1h2,OR-1	nuclear receptor subfamily 1, group H, member 2	GO:0006355	regulation of transcription	DNA-dependen
63840	Per2,rPER2	period homolog 2 (Drosophila)	GO:0006355	regulation of transcription	DNA-dependen
64188	Mafg	v-maf musculoaponeurotic fibrosarcoma oncogene homolog G (avian)	GO:0006355	regulation of transcription	DNA-dependen
65193	Nkx6-1,Nkx6.1,Nkx61,Nkx6a	NK6 homeobox 1	GO:0006355	regulation of transcription	DNA-dependen
679869	Tcf7l2	transcription factor 7-like 2 (T-cell specific, HMG-box)	GO:0006355	regulation of transcription	DNA-dependen
688999	Hoxd9,MGC189507	homeo box D9	GO:0006355	regulation of transcription	DNA-dependen
689954	Setd7	SET domain containing (lysine methyltransferase) 7	GO:0006355	regulation of transcription	DNA-dependen
690419	Zfp709l1	zinc finger protein 709-like 1	GO:0006355	regulation of transcription	DNA-dependen
79237	Hex,Hhex	hematopoietically expressed homeobox	GO:0006355	regulation of transcription	DNA-dependen
81819	MGC93376,Pax8	paired box 8	GO:0006355	regulation of transcription	DNA-dependen
83726	Ctcf	CCCTC-binding factor (zinc finger protein)	GO:0006355	regulation of transcription	DNA-dependen
25737	PCNAR,Pcna,Pcna/cyclin	proliferating cell nuclear antigen	GO:0005657	replication fork	
303836	Bcl6	B-cell CLL/lymphoma 6	GO:0005657	replication fork	
362412	MGC156682,Rad18	RAD18 homolog (S. cerevisiae)	GO:0005657	replication fork	
500987	H2afx2,RGD1566119	H2A histone family, member X	GO:0005657	replication fork	
81816	HR6B,Ube2b	ubiquitin-conjugating enzyme E2B (RAD6 homolog, S. cerevisiae)	GO:0005657	replication fork	
84350	Dnmt1	DNA (cytosine-5-)-methyltransferase 1	GO:0005657	replication fork	
117526	MGC93994,TFIID,Tbp	TATA box binding protein	GO:0070491	repressing transcription factor binding	
25459	Ac2-008,Hmg1,Hmgb11,MGC93994	high mobility group box 1	GO:0070491	repressing transcription factor binding	
291137	Gmnn	geminin	GO:0070491	repressing transcription factor binding	
300266	Cbx5	chromobox homolog 5 (HP1 alpha homolog, Drosophila)	GO:0070491	repressing transcription factor binding	
367218	Cbfa1,Runx2	runt-related transcription factor 2	GO:0070491	repressing transcription factor binding	
79237	Hex,Hhex	hematopoietically expressed homeobox	GO:0070491	repressing transcription factor binding	
154985	Cyp26,Cyp26a1	cytochrome P450, family 26, subfamily a, polypeptide 1	GO:0008401	retinoic acid 4-hydroxylase activity	
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	
24309	Dbp,MGC105474	D site of albumin promoter (albumin D-box) binding protein	GO:0048511	rhythmic process	
24410	Grin2b	glutamate receptor, ionotropic, N-methyl D-aspartate 2B	GO:0048511	rhythmic process	
29362	Tef	thyrotrophic embryonic factor	GO:0048511	rhythmic process	
310395	Ccr42,Ccrn4l,Ccrn4lb	CCR4 carbon catabolite repression 4-like (S. cerevisiae)	GO:0048511	rhythmic process	
64701	Rpn2	ribophorin II	GO:0019718	rough microsome	
80843	Sec61a,Sec61a1	Sec61 alpha 1 subunit (S. cerevisiae)	GO:0019718	rough microsome	
83532	Vdac3	voltage-dependent anion channel 3	GO:0019718	rough microsome	
25717	MGC105479,Tgfb3	transforming growth factor, beta 3	GO:0007435	salivary gland morphogenesis	
311163	Catns,Ctnnd1	catenin (cadherin associated protein), delta 1	GO:0007435	salivary gland morphogenesis	
81809	Tgfb2	transforming growth factor, beta 2	GO:0007435	salivary gland morphogenesis	
85272	BMP-7,Bmp7	bone morphogenetic protein 7	GO:0007435	salivary gland morphogenesis	

117524	Ccnf	cyclin F	GO:0031146	SCF-dependent proteasomal ubiquitin-dep
287280	Skp1,Skp1a	S-phase kinase-associated protein 1	GO:0031146	SCF-dependent proteasomal ubiquitin-dep
303024	Fbxw11	F-box and WD repeat domain containing 11	GO:0031146	SCF-dependent proteasomal ubiquitin-dep
310363	Fbxo4	F-box protein 4	GO:0031146	SCF-dependent proteasomal ubiquitin-dep
362356	Cul1	cullin 1	GO:0031146	SCF-dependent proteasomal ubiquitin-dep
25240	Aqp1,CHIP28	aquaporin 1	GO:0032940	secretion by cell
25507	Pace4,Pcsk6,Spc4	proprotein convertase subtilisin/kexin type 6	GO:0032940	secretion by cell
29366	Gdnpn1,PI-7,Pn-1,Serpine2,Spir	serine (or cysteine) peptidase inhibitor, clade E, member 2	GO:0032940	secretion by cell
54281	Furin,Pace,Pcsk3	furin (paired basic amino acid cleaving enzyme)	GO:0032940	secretion by cell
24962	Cth,H	cystathionase (cystathionine gamma-lyase)	00450	Selenocompound metabolism
291314	Sephs1	selenophosphate synthetase 1	00450	Selenocompound metabolism
294103	MGC189455,Papss2	3'-phosphoadenosine 5'-phosphosulfate synthase 2	00450	Selenocompound metabolism
297437	Txnrd3	thioredoxin reductase 3	00450	Selenocompound metabolism
363285	MGC94824,Scly	selenocysteine lyase	00450	Selenocompound metabolism
58819	MGC93353,Tr1,Txnrd1	thioredoxin reductase 1	00450	Selenocompound metabolism
117526	MGC93994,TFIID,Tbp	TATA box binding protein	GO:0003700	sequence-specific DNA binding transcriptic
155430	Herp1,Hey2	hairly/enhancer-of-split related with YRPW motif 2	GO:0003700	sequence-specific DNA binding transcriptic
114090	Egr2,Krox20	early growth response 2	GO:0003700	sequence-specific DNA binding transcriptic
114109	Csx,Nkx2-5,Nkx2.5	NK2 transcription factor related, locus 5 (Drosophila)	GO:0003700	sequence-specific DNA binding transcriptic
114490	Cited2,MGC93288,Mrg1	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-termina	GO:0003700	sequence-specific DNA binding transcriptic
114502	Pax3	paired box 3	GO:0003700	sequence-specific DNA binding transcriptic
114634	Six1	SIX homeobox 1	GO:0003700	sequence-specific DNA binding transcriptic
116543	Ebf,Ebf1,Olf1	early B-cell factor 1	GO:0003700	sequence-specific DNA binding transcriptic
116544	Pou2f3	POU class 2 homeobox 3	GO:0003700	sequence-specific DNA binding transcriptic
116665	Arp2,Rere	arginine-glutamic acid dipeptide (RE) repeats	GO:0003700	sequence-specific DNA binding transcriptic
24309	Dbp,MGC105474	D site of albumin promoter (albumin D-box) binding protein	GO:0003700	sequence-specific DNA binding transcriptic
24356	Ets-11,Ets1,Etsoncb,MGC12463	v-ets erythroblastosis virus E26 oncogene homolog 1 (avian)	GO:0003700	sequence-specific DNA binding transcriptic
24370	BF1A,Fkhl1,Foxg1,RATBF1A	forkhead box G1	GO:0003700	sequence-specific DNA binding transcriptic
24518	Jund,MGC72300	jun D proto-oncogene	GO:0003700	sequence-specific DNA binding transcriptic
24790	Sp1	Sp1 transcription factor	GO:0003700	sequence-specific DNA binding transcriptic
24817	HNF1,Hnf1a,LF-B1,Lfb1,Tcf1	HNF1 homeobox A	GO:0003700	sequence-specific DNA binding transcriptic
24873	Nr1i1,Vdr	vitamin D (1,25- dihydroxyvitamin D3) receptor	GO:0003700	sequence-specific DNA binding transcriptic
25094	Mitf	microphthalmia-associated transcription factor	GO:0003700	sequence-specific DNA binding transcriptic
25099	Foxa2,Hnf3b	forkhead box A2	GO:0003700	sequence-specific DNA binding transcriptic
25124	Stat1	signal transducer and activator of transcription 1	GO:0003700	sequence-specific DNA binding transcriptic
25125	MGC93551,Stat3	signal transducer and activator of transcription 3	GO:0003700	sequence-specific DNA binding transcriptic
25154	Pgr	progesterone receptor	GO:0003700	sequence-specific DNA binding transcriptic
25459	Ac2-008,Hmg1,Hmgb11,MGC93	high mobility group box 1	GO:0003700	sequence-specific DNA binding transcriptic
25483	Msx2	msh homeobox 2	GO:0003700	sequence-specific DNA binding transcriptic
25640	Hnf1b,LF-B3,MGC93549,Tcf2,Vf	HNF1 homeobox B	GO:0003700	sequence-specific DNA binding transcriptic
25671	Madh1,Smad1	SMAD family member 1	GO:0003700	sequence-specific DNA binding transcriptic
25672	MCR,Mlr,Nr3c2	nuclear receptor subfamily 3, group C, member 2	GO:0003700	sequence-specific DNA binding transcriptic
25682	Pparb,Ppard	peroxisome proliferator-activated receptor delta	GO:0003700	sequence-specific DNA binding transcriptic
266680	Nzf3,St18,r-MyT3	suppression of tumorigenicity 18	GO:0003700	sequence-specific DNA binding transcriptic
287647	Hoxb9	homeo box B9	GO:0003700	sequence-specific DNA binding transcriptic



288718	Tfip11	tuftelin interacting protein 11	GO:0003700	sequence-specific DNA binding transcriptic
289201	Lmx1a	LIM homeobox transcription factor 1 alpha	GO:0003700	sequence-specific DNA binding transcriptic
289311	Mixl1	Mix1 homeobox-like 1 (Xenopus laevis)	GO:0003700	sequence-specific DNA binding transcriptic
292721	Erf	Ets2 repressor factor	GO:0003700	sequence-specific DNA binding transcriptic
29300	Gata6	GATA binding protein 6	GO:0003700	sequence-specific DNA binding transcriptic
293538	Hmx2,RGD1565366	H6 family homeobox 2	GO:0003700	sequence-specific DNA binding transcriptic
29357	MGC156656,Madh2,Smad2	SMAD family member 2	GO:0003700	sequence-specific DNA binding transcriptic
29362	Tef	thyrotrophic embryonic factor	GO:0003700	sequence-specific DNA binding transcriptic
293736	Mrf,RGD1306622	myelin gene regulatory factor	GO:0003700	sequence-specific DNA binding transcriptic
294018	Taf5	TAF5 RNA polymerase II, TATA box binding protein (TBP)-associated fact	GO:0003700	sequence-specific DNA binding transcriptic
29458	Neurod1	neurogenic differentiation 1	GO:0003700	sequence-specific DNA binding transcriptic
29467	CHOP,CHOP-10,Chop10,Ddit3,C	DNA-damage inducible transcript 3	GO:0003700	sequence-specific DNA binding transcriptic
295315	Tbx15	T-box 15	GO:0003700	sequence-specific DNA binding transcriptic
29560	Hif1a,MOP1	hypoxia-inducible factor 1, alpha subunit (basic helix-loop-helix transcrip	GO:0003700	sequence-specific DNA binding transcriptic
29657	Arntl	aryl hydrocarbon receptor nuclear translocator-like	GO:0003700	sequence-specific DNA binding transcriptic
297893	Hdac12	histone deacetylase 1	GO:0003700	sequence-specific DNA binding transcriptic
298894	Mycn,N-myc,Nmuc1,Nmyc	v-myc myelocytomatosis viral related oncogene, neuroblastoma derivec	GO:0003700	sequence-specific DNA binding transcriptic
299138	Six4	SIX homeobox 4	GO:0003700	sequence-specific DNA binding transcriptic
299206	Batf	basic leucine zipper transcription factor, ATF-like	GO:0003700	sequence-specific DNA binding transcriptic
299897	Trps1	trichorhinophalangeal syndrome I homolog (human)	GO:0003700	sequence-specific DNA binding transcriptic
301285	Tcfap2b	transcription factor AP-2 beta	GO:0003700	sequence-specific DNA binding transcriptic
302962	Zfp206,Znf206,Zscan10	zinc finger and SCAN domain containing 10	GO:0003700	sequence-specific DNA binding transcriptic
302993	Sox8	SRY (sex determining region Y)-box 8	GO:0003700	sequence-specific DNA binding transcriptic
303212	Zfp287,Znf287	zinc finger protein 287	GO:0003700	sequence-specific DNA binding transcriptic
303399	Tbx4	T-box 4	GO:0003700	sequence-specific DNA binding transcriptic
303469	Dlx4	distal-less homeobox 4	GO:0003700	sequence-specific DNA binding transcriptic
303480	Hoxb13	homeo box B13	GO:0003700	sequence-specific DNA binding transcriptic
303753	Foxk2	forkhead box K2	GO:0003700	sequence-specific DNA binding transcriptic
303836	Bcl6	B-cell CLL/lymphoma 6	GO:0003700	sequence-specific DNA binding transcriptic
304208	Lass4	LAG1 homolog, ceramide synthase 4	GO:0003700	sequence-specific DNA binding transcriptic
304342	Zipro1,Zscan21	zinc finger and SCAN domain containing 21	GO:0003700	sequence-specific DNA binding transcriptic
304786	Elk4	ELK4, ETS-domain protein (SRF accessory protein 1)	GO:0003700	sequence-specific DNA binding transcriptic
304962	Atf6	activating transcription factor 6	GO:0003700	sequence-specific DNA binding transcriptic
305888	ZFH,Zfhx2	zinc finger homeobox 2	GO:0003700	sequence-specific DNA binding transcriptic
305896	Irf9,Isgf3g	interferon regulatory factor 9	GO:0003700	sequence-specific DNA binding transcriptic
306695	Zfp367,Znf367	zinc finger protein 367	GO:0003700	sequence-specific DNA binding transcriptic
307236	Adnp2,MGC188386,RGD130827	ADNP homeobox 2	GO:0003700	sequence-specific DNA binding transcriptic
308362	Zfp110	zinc finger protein 110	GO:0003700	sequence-specific DNA binding transcriptic
308523	Tshz3,Zfp537	teashirt zinc finger homeobox 3	GO:0003700	sequence-specific DNA binding transcriptic
309430	Dmrt2	doublesex and mab-3 related transcription factor 2	GO:0003700	sequence-specific DNA binding transcriptic
309457	Pcgf6,Rnf134	polycomb group ring finger 6	GO:0003700	sequence-specific DNA binding transcriptic
310250	RGD1563022,Zfhx4	zinc finger homeobox 4	GO:0003700	sequence-specific DNA binding transcriptic
311311	Meis2	Meis homeobox 2	GO:0003700	sequence-specific DNA binding transcriptic
311876	Pbx3	pre-B-cell leukemia homeobox 3	GO:0003700	sequence-specific DNA binding transcriptic
311901	Lhx6	LIM homeobox 6	GO:0003700	sequence-specific DNA binding transcriptic

312936	Sox17	SRY (sex determining region Y)-box 17	GO:0003700	sequence-specific DNA binding transcriptic
313352	Dmrt1a	DMRT-like family A1	GO:0003700	sequence-specific DNA binding transcriptic
313512	Dmbx1,Otx3	diencephalon/mesencephalon homeobox 1	GO:0003700	sequence-specific DNA binding transcriptic
313978	E2f6	E2F transcription factor 6	GO:0003700	sequence-specific DNA binding transcriptic
314221	Six6	SIX homeobox 6	GO:0003700	sequence-specific DNA binding transcriptic
314374	Ches1,Foxn3	forkhead box N3	GO:0003700	sequence-specific DNA binding transcriptic
314616	Arid3a,MGC189073	AT rich interactive domain 3A (Bright like)	GO:0003700	sequence-specific DNA binding transcriptic
315308	Csnrp2,Csnrp2,RGD1308916	cysteine-serine-rich nuclear protein 2	GO:0003700	sequence-specific DNA binding transcriptic
315341	Hoxc5	homeo box C5	GO:0003700	sequence-specific DNA binding transcriptic
315497	Tbx20	T-box 20	GO:0003700	sequence-specific DNA binding transcriptic
315870	Tbx18	T-box18	GO:0003700	sequence-specific DNA binding transcriptic
316219	Trerf1	transcriptional regulating factor 1	GO:0003700	sequence-specific DNA binding transcriptic
337868	MGC156574,Myod1	myogenic differentiation 1	GO:0003700	sequence-specific DNA binding transcriptic
360858	Lhx4	LIM homeobox 4	GO:0003700	sequence-specific DNA binding transcriptic
360896	Esrrg,errg	estrogen-related receptor gamma	GO:0003700	sequence-specific DNA binding transcriptic
361096	Zic2	Zic family member 2 (odd-paired homolog, Drosophila)	GO:0003700	sequence-specific DNA binding transcriptic
361178	MGC112830	similar to transcription factor	GO:0003700	sequence-specific DNA binding transcriptic
362165	Creb3l1,MGC94038,Oasis	cAMP responsive element binding protein 3-like 1	GO:0003700	sequence-specific DNA binding transcriptic
362268	Rbpjl,Rbpsuhl	recombination signal binding protein for immunoglobulin kappa J region	GO:0003700	sequence-specific DNA binding transcriptic
362489	Cbfa2t1,Runx1t1	runt-related transcription factor 1; translocated to, 1 (cyclin D-related)	GO:0003700	sequence-specific DNA binding transcriptic
362591	Mtf1	metal-regulatory transcription factor 1	GO:0003700	sequence-specific DNA binding transcriptic
362675	P73,Trp73,Trp73	tumor protein p73	GO:0003700	sequence-specific DNA binding transcriptic
362871	Elk3	ELK3, ETS-domain protein	GO:0003700	sequence-specific DNA binding transcriptic
363165	Axud1,Csnrp1	cysteine-serine-rich nuclear protein 1	GO:0003700	sequence-specific DNA binding transcriptic
363185	Foxp4	forkhead box P4	GO:0003700	sequence-specific DNA binding transcriptic
363243	Klf7	Kruppel-like factor 7 (ubiquitous)	GO:0003700	sequence-specific DNA binding transcriptic
363831	Gsc2,Gscl	goosecoid homeobox 2	GO:0003700	sequence-specific DNA binding transcriptic
364081	Irf6	interferon regulatory factor 6	GO:0003700	sequence-specific DNA binding transcriptic
365371	Tbx6	T-box 6	GO:0003700	sequence-specific DNA binding transcriptic
365590	Bif1a,ZNF450,Zbtb24	zinc finger and BTB domain containing 24	GO:0003700	sequence-specific DNA binding transcriptic
367106	Foxb1,MGC109378	forkhead box B1	GO:0003700	sequence-specific DNA binding transcriptic
367218	Cbfa1,Runx2	runt-related transcription factor 2	GO:0003700	sequence-specific DNA binding transcriptic
498160	MGC116363,Zkscan1	zinc finger with KRAB and SCAN domains 1	GO:0003700	sequence-specific DNA binding transcriptic
498407	Purb,pur-beta	purine rich element binding protein B	GO:0003700	sequence-specific DNA binding transcriptic
498545	MGC156831,TS22A,TSC-22,Tgfb	TSC22 domain family, member 1	GO:0003700	sequence-specific DNA binding transcriptic
499174	Lass3,RGD1564356	LAG1 homolog, ceramide synthase 3	GO:0003700	sequence-specific DNA binding transcriptic
499380	Emx2,RGD1564797	empty spiracles homeobox 2	GO:0003700	sequence-specific DNA binding transcriptic
499624	Tsc22d2	TSC22 domain family, member 2	GO:0003700	sequence-specific DNA binding transcriptic
500981	RGD1562294,Zfp202	zinc finger protein 202	GO:0003700	sequence-specific DNA binding transcriptic
54264	Krml1,Mafb,b-maf	v-maf musculoaponeurotic fibrosarcoma oncogene homolog B (avian)	GO:0003700	sequence-specific DNA binding transcriptic
54267	Maf1,Maf2,cMaf	v-maf musculoaponeurotic fibrosarcoma oncogene homolog (avian)	GO:0003700	sequence-specific DNA binding transcriptic
54278	Nr4a2,Nurr1	nuclear receptor subfamily 4, group A, member 2	GO:0003700	sequence-specific DNA binding transcriptic
58851	Nr1h2,OR-1	nuclear receptor subfamily 1, group H, member 2	GO:0003700	sequence-specific DNA binding transcriptic
59112	Hand1,MGC114332,eHand	heart and neural crest derivatives expressed 1	GO:0003700	sequence-specific DNA binding transcriptic
60329	Neurog3,Ngn3,Relax	neurogenin 3	GO:0003700	sequence-specific DNA binding transcriptic

64188	Mafg	v-maf musculoaponeurotic fibrosarcoma oncogene homolog G (avian)	GO:0003700	sequence-specific DNA binding transcriptic
65193	Nkx6-1,Nkx6.1,Nkx61,Nkx6a	NK6 homeobox 1	GO:0003700	sequence-specific DNA binding transcriptic
679869	Tcf7l2	transcription factor 7-like 2 (T-cell specific, HMG-box)	GO:0003700	sequence-specific DNA binding transcriptic
680611	Bcl32	B-cell CLL/lymphoma 3	GO:0003700	sequence-specific DNA binding transcriptic
688999	Hoxd9,MGC189507	homeo box D9	GO:0003700	sequence-specific DNA binding transcriptic
79237	Hex,Hhex	hematopoietically expressed homeobox	GO:0003700	sequence-specific DNA binding transcriptic
81707	Mmp14,Mt1-mmp	matrix metalloproteinase 14 (membrane-inserted)	GO:0003700	sequence-specific DNA binding transcriptic
83498	A1F-C1,Hnrnpab,Hnrpab	heterogeneous nuclear ribonucleoprotein A/B	GO:0003700	sequence-specific DNA binding transcriptic
83726	Ctcf	CCCTC-binding factor (zinc finger protein)	GO:0003700	sequence-specific DNA binding transcriptic
84046	Sox11	SRY (sex determining region Y)-box 11	GO:0003700	sequence-specific DNA binding transcriptic
117282	Csbp,Hnrnpk,Hnrpk	heterogeneous nuclear ribonucleoprotein K	GO:0003697	single-stranded DNA binding
25459	Ac2-008,Hmg1,Hmgb11,MGC92	high mobility group box 1	GO:0003697	single-stranded DNA binding
303238	RGD1563106	similar to novel protein	GO:0003697	single-stranded DNA binding
309441	Peo1	progressive external ophthalmoplegia 1	GO:0003697	single-stranded DNA binding
363227	MGC108887,Obfc2a,RGD13066	oligonucleotide/oligosaccharide-binding fold containing 2A	GO:0003697	single-stranded DNA binding
364534	Ssbp4	single stranded DNA binding protein 4	GO:0003697	single-stranded DNA binding
498407	Purb,pur-beta	purine rich element binding protein B	GO:0003697	single-stranded DNA binding
499505	Msh3	mutS homolog 3 (E. coli)	GO:0003697	single-stranded DNA binding
499870	Rad512,RGD1563603	RAD51 homolog (RecA homolog, E. coli) (S. cerevisiae)	GO:0003697	single-stranded DNA binding
59102	Rpa2	replication protein A2	GO:0003697	single-stranded DNA binding
689055	Rad51ap12,MGC156698	RAD51 associated protein 1	GO:0003697	single-stranded DNA binding
245921	Acvr1c,Alk-7,Alk7,habrec1	activin A receptor, type IC	GO:0046332	SMAD binding
25099	Foxa2,Hnf3b	forkhead box A2	GO:0046332	SMAD binding
29591	MGC93659,Tgfb1	transforming growth factor, beta receptor 1	GO:0046332	SMAD binding
29610	Tgfb13,betaglycan	transforming growth factor, beta receptor III	GO:0046332	SMAD binding
300813	Rnf111	ring finger protein 111	GO:0046332	SMAD binding
303614	RGD1310067,Smurf2	SMAD specific E3 ubiquitin protein ligase 2	GO:0046332	SMAD binding
498407	Purb,pur-beta	purine rich element binding protein B	GO:0046332	SMAD binding
79257	Axin,Axin1	axin 1	GO:0046332	SMAD binding
81507	Bmpr1a	bone morphogenetic protein receptor, type IA	GO:0046332	SMAD binding
84032	Col3a1,MGC93704	collagen, type III, alpha 1	GO:0046332	SMAD binding
24212	Atp1a2,RATATPA2	ATPase, Na <sup>+</sup> /K <sup>+</sup> transporting, alpha 2 polypeptide	GO:0031402	sodium ion binding
24766	NachII,Nav1.2,RII/RIIA,RNSCPIIF	sodium channel, voltage-gated, type II, alpha 1	GO:0031402	sodium ion binding
78956	Nav1.7,PN1,Scn2a1,Scn9a	sodium channel, voltage-gated, type IX, alpha	GO:0031402	sodium ion binding
81574	Scn1a	sodium channel, voltage-gated, type I, alpha	GO:0031402	sodium ion binding
84395	Slc34a2	solute carrier family 34 (sodium phosphate), member 2	GO:0031402	sodium ion binding
114502	Pax3	paired box 3	GO:0016566	specific transcriptional repressor activity
24817	HNF1,Hnf1a,LF-B1,Lfb1,Tcf1	HNF1 homeobox A	GO:0016566	specific transcriptional repressor activity
25573	MGC105476,UbcE2A,Ube2i	ubiquitin-conjugating enzyme E2I (UBC9 homolog, yeast)	GO:0016566	specific transcriptional repressor activity
297893	Hdac12	histone deacetylase 1	GO:0016566	specific transcriptional repressor activity
297968	Akirin2,FBI1,RGD1307791	akirin 2	GO:0016566	specific transcriptional repressor activity
303024	Fbxw11	F-box and WD repeat domain containing 11	GO:0016566	specific transcriptional repressor activity
360801	Ncor2	nuclear receptor co-repressor 2	GO:0016566	specific transcriptional repressor activity
361783	MGC156546,Zfp57	zinc finger protein 57	GO:0016566	specific transcriptional repressor activity
367218	Cbfa1,Runx2	runt-related transcription factor 2	GO:0016566	specific transcriptional repressor activity

498407	Purb,pur-beta	purine rich element binding protein B	GO:0016566	specific transcriptional repressor activity
499882	Eid1,RGD1562702	EP300 interacting inhibitor of differentiation 1	GO:0016566	specific transcriptional repressor activity
679869	Tcf7l2	transcription factor 7-like 2 (T-cell specific, HMG-box)	GO:0016566	specific transcriptional repressor activity
79257	Axin,Axin1	axin 1	GO:0016566	specific transcriptional repressor activity
89809	Recc1,Rfc1	replication factor C (activator 1) 1	GO:0016566	specific transcriptional repressor activity
155192	Abcg8	ATP-binding cassette, subfamily G (WHITE), member 8	GO:0015918	sterol transport
114628	Abcg5	ATP-binding cassette, subfamily G (WHITE), member 5	GO:0015918	sterol transport
286970	Abca5	ATP-binding cassette, subfamily A (ABC1), member 5	GO:0015918	sterol transport
24708	Rb1	retinoblastoma 1	GO:0051146	striated muscle cell differentiation
25285	IGF-BP5,Igfbp5	insulin-like growth factor binding protein 5	GO:0051146	striated muscle cell differentiation
309361	Chuk	conserved helix-loop-helix ubiquitous kinase	GO:0051146	striated muscle cell differentiation
337868	MGC156574,Myod1	myogenic differentiation 1	GO:0051146	striated muscle cell differentiation
360600	Spag9	sperm associated antigen 9	GO:0051146	striated muscle cell differentiation
50938	Cdo,Cdon	Cdon homolog (mouse)	GO:0051146	striated muscle cell differentiation
83501	Cdh2,N-cadherin	cadherin 2	GO:0051146	striated muscle cell differentiation
114095	MGC112606,Munc18-c,Stxbp3	syntaxin binding protein 3	GO:0019905	syntaxin binding
24803	RATVAMPB,RATVAMPIR,SYB,Sy	vesicle-associated membrane protein 2	GO:0019905	syntaxin binding
25404	Cav,Cav1,MGC187299	caveolin 1, caveolae protein	GO:0019905	syntaxin binding
25558	ANC18HA,Munc18-1,NSEC1A,Sc	syntaxin binding protein 1	GO:0019905	syntaxin binding
501005	Cplx3,RGD1560104	complexin 3	GO:0019905	syntaxin binding
60355	Nsf	N-ethylmaleimide-sensitive factor	GO:0019905	syntaxin binding
64630	Snap23	synaptosomal-associated protein 23	GO:0019905	syntaxin binding
245921	Acvr1c,Alk-7,Alk7,habrec1	activin A receptor, type IC	04350	TGF-beta signaling pathway
24672	Pp2a1,Ppp2ca	protein phosphatase 2, catalytic subunit, alpha isoform	04350	TGF-beta signaling pathway
24790	Sp1	Sp1 transcription factor	04350	TGF-beta signaling pathway
25196	Inhbb	inhibin beta-B	04350	TGF-beta signaling pathway
25671	Madh1,Smad1	SMAD family member 1	04350	TGF-beta signaling pathway
25717	MGC105479,Tgfb3	transforming growth factor, beta 3	04350	TGF-beta signaling pathway
287280	Skp1,Skp1a	S-phase kinase-associated protein 1	04350	TGF-beta signaling pathway
292406	TSP-2,Thbs2	thrombospondin 2	04350	TGF-beta signaling pathway
29357	MGC156656,Madh2,Smad2	SMAD family member 2	04350	TGF-beta signaling pathway
294503	Nodal	nodal homolog (mouse)	04350	TGF-beta signaling pathway
29591	MGC93659,Tgfb1	transforming growth factor, beta receptor 1	04350	TGF-beta signaling pathway
303614	RGD1310067,Smurf2	SMAD specific E3 ubiquitin protein ligase 2	04350	TGF-beta signaling pathway
313477	Zfyve9	zinc finger, FYVE domain containing 9	04350	TGF-beta signaling pathway
361178	MGC112830	similar to transcription factor	04350	TGF-beta signaling pathway
362356	Cul1	cullin 1	04350	TGF-beta signaling pathway
498299	Lefty1,RGD1561867	left right determination factor 1	04350	TGF-beta signaling pathway
64549	Inhbc,MGC108687	inhibin beta C	04350	TGF-beta signaling pathway
680931	Bmp8a	bone morphogenetic protein 8a	04350	TGF-beta signaling pathway
81507	Bmpr1a	bone morphogenetic protein receptor, type IA	04350	TGF-beta signaling pathway
81758	Rb2,Rbl2	retinoblastoma-like 2	04350	TGF-beta signaling pathway
81809	Tgfb2	transforming growth factor, beta 2	04350	TGF-beta signaling pathway
85272	BMP-7,Bmp7	bone morphogenetic protein 7	04350	TGF-beta signaling pathway
114109	Csx,Nkx2-5,Nkx2.5	NK2 transcription factor related, locus 5 (Drosophila)	GO:0030878	thyroid gland development

114634	Six1	SIX homeobox 1	GO:0030878	thyroid gland development
79107	Duox2,Thox2	dual oxidase 2	GO:0030878	thyroid gland development
79237	Hex,Hhex	hematopoietically expressed homeobox	GO:0030878	thyroid gland development
81809	Tgfb2	transforming growth factor, beta 2	GO:0030878	thyroid gland development
81819	MGC93376,Pax8	paired box 8	GO:0030878	thyroid gland development
25055	Chole,Chole2,LAL1,Lip1,Lipa	lipase A, lysosomal acid, cholesterol esterase	GO:0048771	tissue remodeling
81651	Cspg4,Ng2	chondroitin sulfate proteoglycan 4	GO:0048771	tissue remodeling
81686	Mmp2	matrix metalloproteinase 2	GO:0048771	tissue remodeling
81687	Mmp9	matrix metalloproteinase 9	GO:0048771	tissue remodeling
81707	Mmp14,Mt1-mmp	matrix metalloproteinase 14 (membrane-inserted)	GO:0048771	tissue remodeling
117526	MGC93994,TFIID,Tbp	TATA box binding protein	GO:0006351	transcription DNA-dependent
155430	Herp1,Hey2	hairy/enhancer-of-split related with YRPW motif 2	GO:0006351	transcription DNA-dependent
114090	Egr2,Krox20	early growth response 2	GO:0006351	transcription DNA-dependent
114109	Csx,Nkx2-5,Nkx2.5	NK2 transcription factor related, locus 5 (Drosophila)	GO:0006351	transcription DNA-dependent
114490	Cited2,MGC93288,Mrg1	Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain 2	GO:0006351	transcription DNA-dependent
114502	Pax3	paired box 3	GO:0006351	transcription DNA-dependent
116544	Pou2f3	POU class 2 homeobox 3	GO:0006351	transcription DNA-dependent
24356	Ets-11,Ets1,Etsoncb,MGC12463	v-ets erythroblastosis virus E26 oncogene homolog 1 (avian)	GO:0006351	transcription DNA-dependent
24518	Jund,MGC72300	jun D proto-oncogene	GO:0006351	transcription DNA-dependent
24790	Sp1	Sp1 transcription factor	GO:0006351	transcription DNA-dependent
24817	HNF1,Hnf1a,LF-B1,Lfb1,Tcf1	HNF1 homeobox A	GO:0006351	transcription DNA-dependent
24873	Nr1i1,Vdr	vitamin D (1,25-dihydroxyvitamin D3) receptor	GO:0006351	transcription DNA-dependent
25099	Foxa2,Hnf3b	forkhead box A2	GO:0006351	transcription DNA-dependent
25124	Stat1	signal transducer and activator of transcription 1	GO:0006351	transcription DNA-dependent
25125	MGC93551,Stat3	signal transducer and activator of transcription 3	GO:0006351	transcription DNA-dependent
25459	Ac2-008,Hmg1,Hmgb11,MGC93549	high mobility group box 1	GO:0006351	transcription DNA-dependent
25640	Hnf1b,LF-B3,MGC93549,Tcf2,Vf	HNF1 homeobox B	GO:0006351	transcription DNA-dependent
25671	Madh1,Smad1	SMAD family member 1	GO:0006351	transcription DNA-dependent
25672	MCR,Mlr,Nr3c2	nuclear receptor subfamily 3, group C, member 2	GO:0006351	transcription DNA-dependent
25682	Pparb,Ppard	peroxisome proliferator-activated receptor delta	GO:0006351	transcription DNA-dependent
29300	Gata6	GATA binding protein 6	GO:0006351	transcription DNA-dependent
29357	MGC156656,Madh2,Smad2	SMAD family member 2	GO:0006351	transcription DNA-dependent
294018	Taf5	TAF5 RNA polymerase II, TATA box binding protein (TBP)-associated factor 5	GO:0006351	transcription DNA-dependent
29458	Neurod1	neurogenic differentiation 1	GO:0006351	transcription DNA-dependent
29467	CHOP,CHOP-10,Chop10,Ddit3,C	DNA-damage inducible transcript 3	GO:0006351	transcription DNA-dependent
29560	Hif1a,MOP1	hypoxia-inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)	GO:0006351	transcription DNA-dependent
301285	Tcfap2b	transcription factor AP-2 beta	GO:0006351	transcription DNA-dependent
302962	Zfp206,Znf206,Zscan10	zinc finger and SCAN domain containing 10	GO:0006351	transcription DNA-dependent
303836	Bcl6	B-cell CLL/lymphoma 6	GO:0006351	transcription DNA-dependent
306695	Zfp367,Znf367	zinc finger protein 367	GO:0006351	transcription DNA-dependent
309457	Pcgf6,Rnf134	polycomb group ring finger 6	GO:0006351	transcription DNA-dependent
311311	Meis2	Meis homeobox 2	GO:0006351	transcription DNA-dependent
313512	Dmbx1,Otx3	diencephalon/mesencephalon homeobox 1	GO:0006351	transcription DNA-dependent
313978	E2f6	E2F transcription factor 6	GO:0006351	transcription DNA-dependent
360463	Mpv17,Mpv17l	MPV17 mitochondrial membrane protein-like	GO:0006351	transcription DNA-dependent

362675	P73,Tp73,Trp73	tumor protein p73	GO:0006351	transcription DNA-dependent
363831	Gsc2,Gscl	gooseoid homeobox 2	GO:0006351	transcription DNA-dependent
364081	Irf6	interferon regulatory factor 6	GO:0006351	transcription DNA-dependent
365590	Bif1a,ZNF450,Zbtb24	zinc finger and BTB domain containing 24	GO:0006351	transcription DNA-dependent
367218	Cbfa1,Runx2	runt-related transcription factor 2	GO:0006351	transcription DNA-dependent
54267	Maf1,Maf2,cMaf	v-maf musculoaponeurotic fibrosarcoma oncogene homolog (avian)	GO:0006351	transcription DNA-dependent
54278	Nr4a2,Nurr1	nuclear receptor subfamily 4, group A, member 2	GO:0006351	transcription DNA-dependent
59112	Hand1,MGC114332,eHand	heart and neural crest derivatives expressed 1	GO:0006351	transcription DNA-dependent
65193	Nkx6-1,Nkx6.1,Nkx61,Nkx6a	NK6 homeobox 1	GO:0006351	transcription DNA-dependent
679869	Tcf7l2	transcription factor 7-like 2 (T-cell specific, HMG-box)	GO:0006351	transcription DNA-dependent
81707	Mmp14,Mt1-mmp	matrix metalloproteinase 14 (membrane-inserted)	GO:0006351	transcription DNA-dependent
83726	Ctcf	CCCTC-binding factor (zinc finger protein)	GO:0006351	transcription DNA-dependent
84046	Sox11	SRY (sex determining region Y)-box 11	GO:0006351	transcription DNA-dependent
117526	MGC93994,TFIID,Tbp	TATA box binding protein	GO:0008134	transcription factor binding
24224	Bcl-2,Bcl2	B-cell CLL/lymphoma 2	GO:0008134	transcription factor binding
114109	Csx,Nkx2-5,Nkx2.5	NK2 transcription factor related, locus 5 (Drosophila)	GO:0008134	transcription factor binding
246297	Mycd,Myocd	myocardin	GO:0008134	transcription factor binding
24708	Rb1	retinoblastoma 1	GO:0008134	transcription factor binding
24790	Sp1	Sp1 transcription factor	GO:0008134	transcription factor binding
24817	HNF1,Hnf1a,LF-B1,Lfb1,Tcf1	HNF1 homeobox A	GO:0008134	transcription factor binding
24874	Vhl,Vhlh	von Hippel-Lindau tumor suppressor	GO:0008134	transcription factor binding
25125	MGC93551,Stat3	signal transducer and activator of transcription 3	GO:0008134	transcription factor binding
25301	C/EBP,CEBPRNA,Cebpg	CCAAT/enhancer binding protein (C/EBP), gamma	GO:0008134	transcription factor binding
25459	Ac2-008,Hmg1,Hmgb11,MGC93551	high mobility group box 1	GO:0008134	transcription factor binding
25573	MGC105476,UbcE2A,Ube2i	ubiquitin-conjugating enzyme E2I (UBC9 homolog, yeast)	GO:0008134	transcription factor binding
25591	Adprt,MGC93658,Parp-1,Parp1	poly (ADP-ribose) polymerase 1	GO:0008134	transcription factor binding
257649	Cenpf,Lek1	centromere protein F	GO:0008134	transcription factor binding
289185	Creg,Creg1	cellular repressor of E1A-stimulated genes 1	GO:0008134	transcription factor binding
29300	Gata6	GATA binding protein 6	GO:0008134	transcription factor binding
29357	MGC156656,Madh2,Smad2	SMAD family member 2	GO:0008134	transcription factor binding
29458	Neurod1	neurogenic differentiation 1	GO:0008134	transcription factor binding
29467	CHOP,CHOP-10,Chop10,Ddit3,C	DNA-damage inducible transcript 3	GO:0008134	transcription factor binding
29560	Hif1a,MOP1	hypoxia-inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)	GO:0008134	transcription factor binding
297893	Hdac12	histone deacetylase 1	GO:0008134	transcription factor binding
306571	Moz,Myst3,Runxbp2,Znf220	MYST histone acetyltransferase (monocytic leukemia) 3	GO:0008134	transcription factor binding
312936	Sox17	SRY (sex determining region Y)-box 17	GO:0008134	transcription factor binding
313974	RGD1564451,Trib2	tribbles homolog 2 (Drosophila)	GO:0008134	transcription factor binding
314930	FOG-2,Zfp2	zinc finger protein, multitype 2	GO:0008134	transcription factor binding
316219	Trerf1	transcriptional regulating factor 1	GO:0008134	transcription factor binding
337868	MGC156574,Myod1	myogenic differentiation 1	GO:0008134	transcription factor binding
360631	Mlx,Tcfl4	MAX-like protein X	GO:0008134	transcription factor binding
362325	Kdt1,Mdfic	MyoD family inhibitor domain containing	GO:0008134	transcription factor binding
362533	MGC189561,Tle1	transducin-like enhancer of split 1 (E(sp1) homolog, Drosophila)	GO:0008134	transcription factor binding
362675	P73,Tp73,Trp73	tumor protein p73	GO:0008134	transcription factor binding
367218	Cbfa1,Runx2	runt-related transcription factor 2	GO:0008134	transcription factor binding

497961	Nlk,RGD1561602	nemo like kinase	GO:0008134	transcription factor binding
497991	Med1,RGD1559552	mediator complex subunit 1	GO:0008134	transcription factor binding
498407	Purb,pur-beta	purine rich element binding protein B	GO:0008134	transcription factor binding
54264	Krml,Mafb,b-maf	v-maf musculoaponeurotic fibrosarcoma oncogene homolog B (avian)	GO:0008134	transcription factor binding
59112	Hand1,MGC114332,eHand	heart and neural crest derivatives expressed 1	GO:0008134	transcription factor binding
679869	Tcf7l2	transcription factor 7-like 2 (T-cell specific, HMG-box)	GO:0008134	transcription factor binding
680611	Bcl32	B-cell CLL/lymphoma 3	GO:0008134	transcription factor binding
79237	Hex,Hhex	hematopoietically expressed homeobox	GO:0008134	transcription factor binding
84350	Dnmt1	DNA (cytosine-5-)-methyltransferase 1	GO:0008134	transcription factor binding
170844	TAFIIB,Taf2	TAF2 RNA polymerase II, TATA box binding protein (TBP)-associated fact	GO:0033276	transcription factor TFTC complex
294018	Taf5	TAF5 RNA polymerase II, TATA box binding protein (TBP)-associated fact	GO:0033276	transcription factor TFTC complex
303539	Gcn5l2,Kat2a	K(lysine) acetyltransferase 2A	GO:0033276	transcription factor TFTC complex
307927	Taf5l	TAF5-like RNA polymerase II, p300/CBP-associated factor (PCAF)-associa	GO:0033276	transcription factor TFTC complex
362414	Tada3l2,MGC114459,Tada3	transcriptional adaptor 3 (NGG1 homolog, yeast)-like	GO:0033276	transcription factor TFTC complex
25459	Ac2-008,Hmg1,Hmgb11,MGC92	high mobility group box 1	GO:0017053	transcriptional repressor complex
289810	C1d1,MGC188504,RGD156060	C1D nuclear receptor co-repressor	GO:0017053	transcriptional repressor complex
297893	Hdac12	histone deacetylase 1	GO:0017053	transcriptional repressor complex
297968	Akirin2,FBI1,RGD1307791	akirin 2	GO:0017053	transcriptional repressor complex
300266	Cbx5	chromobox homolog 5 (HP1 alpha homolog, Drosophila)	GO:0017053	transcriptional repressor complex
303518	Smarce12,RGD1304726	SWI/SNF related, matrix associated, actin dependent regulator of chrom	GO:0017053	transcriptional repressor complex
314205	Arid4a	AT rich interactive domain 4A (Rbp1 like)	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
25717	MGC105479,Tgfb3	transforming growth factor, beta 3	GO:0005160	transforming growth factor beta receptor I
29357	MGC156656,Madh2,Smad2	SMAD family member 2	GO:0005160	transforming growth factor beta receptor I
29610	Tgfb3,betaglycan	transforming growth factor, beta receptor III	GO:0005160	transforming growth factor beta receptor I
303614	RGD1310067,Smurf2	SMAD specific E3 ubiquitin protein ligase 2	GO:0005160	transforming growth factor beta receptor I
498299	Lefty1,RGD1561867	left right determination factor 1	GO:0005160	transforming growth factor beta receptor I
81809	Tgfb2	transforming growth factor, beta 2	GO:0005160	transforming growth factor beta receptor I
170699	Atp2c1,MGC93231	ATPase, Ca <sup>++</sup> transporting, type 2C, member 1	GO:0005802	trans-Golgi network
24218	Atp7b,Hts,PINA,Wd	ATPase, Cu <sup>++</sup> transporting, beta polypeptide	GO:0005802	trans-Golgi network
114514	Clasp2	cytoplasmic linker associated protein 2	GO:0005802	trans-Golgi network
246324	Rab0,Rab31	RAB31, member RAS oncogene family	GO:0005802	trans-Golgi network
24803	RATVAMPB,RATVAMPIR,SYB,Sy	vesicle-associated membrane protein 2	GO:0005802	trans-Golgi network
25204	BDP,PC1,PC3,Pcsk1	proprotein convertase subtilisin/kexin type 1	GO:0005802	trans-Golgi network
25352	ECSODPT,Sod3	superoxide dismutase 3, extracellular	GO:0005802	trans-Golgi network
25715	Dmt1,Nramp2,Slc11a2	solute carrier family 11 (proton-coupled divalent metal ion transporters	GO:0005802	trans-Golgi network
257649	Cenpf,Lek1	centromere protein F	GO:0005802	trans-Golgi network
29521	Scamp1	secretory carrier membrane protein 1	GO:0005802	trans-Golgi network
303630	RGD1307754,Wipi1	WD repeat domain, phosphoinositide interacting 1	GO:0005802	trans-Golgi network
303790	RGD1310674,Smpd4	sphingomyelin phosphodiesterase 4, neutral membrane	GO:0005802	trans-Golgi network
309798	Gcc2,Lims11	GRIP and coiled-coil domain containing 2	GO:0005802	trans-Golgi network
361459	Clavesin-2,Clvs2,RGD1306801,R	retinaldehyde binding protein 1-like 2	GO:0005802	trans-Golgi network
54281	Furin,Pace,Pcsk3	furin (paired basic amino acid cleaving enzyme)	GO:0005802	trans-Golgi network
81809	Tgfb2	transforming growth factor, beta 2	GO:0005802	trans-Golgi network

81830	Rab11a	RAB11a, member RAS oncogene family	GO:0005802	trans-Golgi network
84379	RCO4-3,Rab6,Rab6a,Rab6b1	RAB6A, member RAS oncogene family	GO:0005802	trans-Golgi network
24239	Cacna1c,RATIVS302	calcium channel, voltage-dependent, L type, alpha 1C subunit	GO:0030315	T-tubule
24326	ENDOR,Ednra1,Eta,RATENDOR	endothelin receptor type A	GO:0030315	T-tubule
24766	NachII,Nav1.2,RII/RIIA,RNSCPIIF	sodium channel, voltage-gated, type II, alpha 1	GO:0030315	T-tubule
24873	Nr111,Vdr	vitamin D (1,25- dihydroxyvitamin D3) receptor	GO:0030315	T-tubule
25717	MGC105479,Tgfb3	transforming growth factor, beta 3	GO:0030315	T-tubule
29161	Cav3,MGC105449	caveolin 3	GO:0030315	T-tubule
29699	Prkar2a	protein kinase, cAMP dependent regulatory, type II alpha	GO:0030315	T-tubule
81574	Scn1a	sodium channel, voltage-gated, type I, alpha	GO:0030315	T-tubule
83535	Kcnj11,Kir6.2	potassium inwardly rectifying channel, subfamily J, member 11	GO:0030315	T-tubule
114500	Gbx2	gastrulation brain homeobox 2	GO:0035239	tube morphogenesis
286994	Gpr48,Lgr4	leucine-rich repeat-containing G protein-coupled receptor 4	GO:0035239	tube morphogenesis
54320	E11,Gp38,OTS-8,Pdpn,RTI40,T1	podoplanin	GO:0035239	tube morphogenesis
85272	BMP-7,Bmp7	bone morphogenetic protein 7	GO:0035239	tube morphogenesis
25717	MGC105479,Tgfb3	transforming growth factor, beta 3	GO:0005114	type II transforming growth factor beta rec
29610	Tgfb3,betaglycan	transforming growth factor, beta receptor III	GO:0005114	type II transforming growth factor beta rec
81809	Tgfb2	transforming growth factor, beta 2	GO:0005114	type II transforming growth factor beta rec
171136	Cblb	Cas-Br-M (murine) ecotropic retroviral transforming sequence b	04120	Ubiquitin mediated proteolysis
24874	Vhl,Vhlh	von Hippel-Lindau tumor suppressor	04120	Ubiquitin mediated proteolysis
25489	Nedd4,Nedd4a	neural precursor cell expressed, developmentally down-regulated 4	04120	Ubiquitin mediated proteolysis
25573	MGC105476,UbcE2A,Ube2i	ubiquitin-conjugating enzyme E2I (UBC9 homolog, yeast)	04120	Ubiquitin mediated proteolysis
287280	Skp1,Skp1a	S-phase kinase-associated protein 1	04120	Ubiquitin mediated proteolysis
289623	E2-25k,Hip2,Hypg,Lig,Ube2k	ubiquitin-conjugating enzyme E2K (UBC1 homolog, yeast)	04120	Ubiquitin mediated proteolysis
291553	MGC105877,Nedd4l	neural precursor cell expressed, developmentally down-regulated 4-like	04120	Ubiquitin mediated proteolysis
296161	RGD1305440,Ubox5	U-box domain containing 5	04120	Ubiquitin mediated proteolysis
300948	Rnf7	ring finger protein 7	04120	Ubiquitin mediated proteolysis
301555	Cul3,MGC189292	cullin 3	04120	Ubiquitin mediated proteolysis
303024	Fbxw11	F-box and WD repeat domain containing 11	04120	Ubiquitin mediated proteolysis
303478	MGC124852,RGD1308347,Ube2	ubiquitin-conjugating enzyme E2Z	04120	Ubiquitin mediated proteolysis
303614	RGD1310067,Smurf2	SMAD specific E3 ubiquitin protein ligase 2	04120	Ubiquitin mediated proteolysis
304522	Fbxw8	F-box and WD repeat domain containing 8	04120	Ubiquitin mediated proteolysis
305268	RGD1308324,Uba6,Ube1I2	ubiquitin-like modifier activating enzyme 6	04120	Ubiquitin mediated proteolysis
305600	Fancl	Fanconi anemia, complementation group L	04120	Ubiquitin mediated proteolysis
308775	Det1,MGC116189,RGD1309793	de-etiolated homolog 1 (Arabidopsis)	04120	Ubiquitin mediated proteolysis
309722	Rhobtb1	Rho-related BTB domain containing 1	04120	Ubiquitin mediated proteolysis
309758	Herc4	hect domain and RLD 4	04120	Ubiquitin mediated proteolysis
310363	Fbxo4	F-box protein 4	04120	Ubiquitin mediated proteolysis
311412	Anapc1	anaphase promoting complex subunit 1	04120	Ubiquitin mediated proteolysis
313264	MGC109467,Trim32	tripartite motif-containing 32	04120	Ubiquitin mediated proteolysis
313876	Birc6	baculoviral IAP repeat-containing 6	04120	Ubiquitin mediated proteolysis
316575	Gtl6,MGC124674,MGC125132,	thyroid hormone receptor interactor 12	04120	Ubiquitin mediated proteolysis
362356	Cul1	cullin 1	04120	Ubiquitin mediated proteolysis
362827	Pias4	protein inhibitor of activated STAT, 4	04120	Ubiquitin mediated proteolysis
498030	Anapc11,RGD1561880	anaphase promoting complex subunit 11	04120	Ubiquitin mediated proteolysis



685029	Anapc13	anaphase promoting complex subunit 13	04120	Ubiquitin mediated proteolysis
689226	LOC689226	similar to ubiquitin-conjugating enzyme E2R 2	04120	Ubiquitin mediated proteolysis
81816	HR6B,Ube2b	ubiquitin-conjugating enzyme E2B (RAD6 homolog, <i>S. cerevisiae</i> )	04120	Ubiquitin mediated proteolysis
81920	Ube2d3	ubiquitin-conjugating enzyme E2D 3 (UBC4/5 homolog, yeast)	04120	Ubiquitin mediated proteolysis
289584	RGD1564808,Usp46	ubiquitin specific peptidase 46	GO:0004221	ubiquitin thiolesterase activity
295425	Usp53	ubiquitin specific peptidase 53	GO:0004221	ubiquitin thiolesterase activity
29545	Uchl1	ubiquitin carboxyl-terminal esterase L1 (ubiquitin thiolesterase)	GO:0004221	ubiquitin thiolesterase activity
296121	Usp8	ubiquitin specific peptidase 8	GO:0004221	ubiquitin thiolesterase activity
297593	Usp5	ubiquitin specific peptidase 5 (isopeptidase T)	GO:0004221	ubiquitin thiolesterase activity
303394	Usp32	ubiquitin specific peptidase 32	GO:0004221	ubiquitin thiolesterase activity
304150	Usp25	ubiquitin specific peptidase 25	GO:0004221	ubiquitin thiolesterase activity
308959	Usp311	ubiquitin specific peptidase 31	GO:0004221	ubiquitin thiolesterase activity
310306	Usp13	ubiquitin specific protease 13 (isopeptidase T-3)	GO:0004221	ubiquitin thiolesterase activity
310677	Otud7b,RGD1308111	OTU domain containing 7B	GO:0004221	ubiquitin thiolesterase activity
316211	Usp492,RGD1310513	ubiquitin specific peptidase 49	GO:0004221	ubiquitin thiolesterase activity
361495	Usp29	ubiquitin specific peptidase 29	GO:0004221	ubiquitin thiolesterase activity
362636	Usp312,Usp48,synUSP	ubiquitin specific peptidase 48	GO:0004221	ubiquitin thiolesterase activity
60331	Atxn3,Rsca3	ataxin 3	GO:0004221	ubiquitin thiolesterase activity
246282	Zfp91	zinc finger protein 91	GO:0004842	ubiquitin-protein ligase activity
24874	Vhl,Vhlh	von Hippel-Lindau tumor suppressor	GO:0004842	ubiquitin-protein ligase activity
25489	Nedd4,Nedd4a	neural precursor cell expressed, developmentally down-regulated 4	GO:0004842	ubiquitin-protein ligase activity
25573	MGC105476,UbcE2A,Ube2i	ubiquitin-conjugating enzyme E2I (UBC9 homolog, yeast)	GO:0004842	ubiquitin-protein ligase activity
287280	Skp1,Skp1a	S-phase kinase-associated protein 1	GO:0004842	ubiquitin-protein ligase activity
289623	E2-25k,Hip2,Hypg,Lig,Ube2k	ubiquitin-conjugating enzyme E2K (UBC1 homolog, yeast)	GO:0004842	ubiquitin-protein ligase activity
293561	Rnf152	ring finger protein 152	GO:0004842	ubiquitin-protein ligase activity
296161	RGD1305440,Ubox5	U-box domain containing 5	GO:0004842	ubiquitin-protein ligase activity
299002	G2e3,RGD1310263	G2/M-phase specific E3 ubiquitin ligase	GO:0004842	ubiquitin-protein ligase activity
300813	Rnf111	ring finger protein 111	GO:0004842	ubiquitin-protein ligase activity
301555	Cul3,MGC189292	cullin 3	GO:0004842	ubiquitin-protein ligase activity
303024	Fbxw11	F-box and WD repeat domain containing 11	GO:0004842	ubiquitin-protein ligase activity
303285	Traf4	Tnf receptor associated factor 4	GO:0004842	ubiquitin-protein ligase activity
303478	MGC124852,RGD1308347,Ube2	ubiquitin-conjugating enzyme E2Z	GO:0004842	ubiquitin-protein ligase activity
303614	RGD1310067,Smurf2	SMAD specific E3 ubiquitin protein ligase 2	GO:0004842	ubiquitin-protein ligase activity
304271	Rnf6	ring finger protein (C3H2C3 type) 6	GO:0004842	ubiquitin-protein ligase activity
304850	MGC114502,Rnf2	ring finger protein 2	GO:0004842	ubiquitin-protein ligase activity
308283	Fbxo30,MGC94907	F-box protein 30	GO:0004842	ubiquitin-protein ligase activity
310363	Fbxo4	F-box protein 4	GO:0004842	ubiquitin-protein ligase activity
311866	Lrsam1,RGD1564403	leucine rich repeat and sterile alpha motif containing 1	GO:0004842	ubiquitin-protein ligase activity
312227	Cnot4,MGC114505	CCR4-NOT transcription complex, subunit 4	GO:0004842	ubiquitin-protein ligase activity
312656	March8,Mir	membrane-associated ring finger (C3HC4) 8	GO:0004842	ubiquitin-protein ligase activity
313264	MGC109467,Trim32	tripartite motif-containing 32	GO:0004842	ubiquitin-protein ligase activity
313743	Klhl21,RGD1305863	kelch-like 21 ( <i>Drosophila</i> )	GO:0004842	ubiquitin-protein ligase activity
313876	Birc6	baculoviral IAP repeat-containing 6	GO:0004842	ubiquitin-protein ligase activity
314399	MGC94098,RGD1359144,Ubr7	ubiquitin protein ligase E3 component n-recognin 7 (putative)	GO:0004842	ubiquitin-protein ligase activity
360847	RGD1310816,Ube2t	ubiquitin-conjugating enzyme E2T (putative)	GO:0004842	ubiquitin-protein ligase activity

364681	Ibrdc2,Rnf144b	ring finger protein 144B	GO:0004842	ubiquitin-protein ligase activity
498030	Anapc11,RGD1561880	anaphase promoting complex subunit 11	GO:0004842	ubiquitin-protein ligase activity
498089	Dtx3l,RGD1565144	deltex 3-like (Drosophila)	GO:0004842	ubiquitin-protein ligase activity
64702	Rnf16,Trim17	tripartite motif-containing 17	GO:0004842	ubiquitin-protein ligase activity
685384	MGC188174,Rnf180	ring finger protein 180	GO:0004842	ubiquitin-protein ligase activity
689226	LOC689226	similar to ubiquitin-conjugating enzyme E2R 2	GO:0004842	ubiquitin-protein ligase activity
81816	HR6B,Ube2b	ubiquitin-conjugating enzyme E2B (RAD6 homolog, <i>S. cerevisiae</i> )	GO:0004842	ubiquitin-protein ligase activity
81920	Ube2d3	ubiquitin-conjugating enzyme E2D 3 (UBC4/5 homolog, yeast)	GO:0004842	ubiquitin-protein ligase activity
29592	Bcat1,Bcatc,MGC105472	branched chain aminotransferase 1, cytosolic	00290	Valine leucine and isoleucine biosynthesis
306804	Iars,Iarsl	isoleucyl-tRNA synthetase	00290	Valine leucine and isoleucine biosynthesis
309596	Vars22,KIAA1885,Vars2l,Varsl	valyl-tRNA synthetase 2, mitochondrial (putative)	00290	Valine leucine and isoleucine biosynthesis
64203	BCT2,Bcat2,Bcatm,mBcat	branched chain aminotransferase 2, mitochondrial	00290	Valine leucine and isoleucine biosynthesis
25404	Cav,Cav1,MGC187299	caveolin 1, caveolae protein	GO:0016050	vesicle organization
292263	Fbxo5	F-box protein 5	GO:0016050	vesicle organization
83576	Nt3,Nts3,Sort1	sortilin 1	GO:0016050	vesicle organization
116477	Hsn2,Prkwnk1,Wnk1	WNK lysine deficient protein kinase 1	GO:0042598	vesicular fraction
24805	RATSYNII,SYNII,Syt2	synaptotagmin II	GO:0042598	vesicular fraction
29161	Cav3,MGC105449	caveolin 3	GO:0042598	vesicular fraction
83572	LIS1,Pafah1b1	platelet-activating factor acetylhydrolase, isoform 1b, subunit 1	GO:0042598	vesicular fraction
117018	ERG11,Kcnh2	potassium voltage-gated channel, subfamily H (eag-related), member 2	GO:0005244	voltage-gated ion channel activity
117101	KShIIID,Kcnc3	potassium voltage gated channel, Shaw-related subfamily, member 3	GO:0005244	voltage-gated ion channel activity
117105	Kcnb2,Kv2.2	potassium voltage gated channel, Shab-related subfamily, member 2	GO:0005244	voltage-gated ion channel activity
156873	Kcnk15	potassium channel, subfamily K, member 15	GO:0005244	voltage-gated ion channel activity
170848	Kcnq2	potassium voltage-gated channel, KQT-like subfamily, member 2	GO:0005244	voltage-gated ion channel activity
24239	Cacna1c,RATIVS302	calcium channel, voltage-dependent, L type, alpha 1C subunit	GO:0005244	voltage-gated ion channel activity
116600	Cacnb2,Cacn1b2	calcium channel, voltage-dependent, beta 2 subunit	GO:0005244	voltage-gated ion channel activity
246215	Tpcn1	two pore segment channel 1	GO:0005244	voltage-gated ion channel activity
24766	NachII,Nav1.2,RII/RIIA,RNSCPIIF	sodium channel, voltage-gated, type II, alpha 1	GO:0005244	voltage-gated ion channel activity
25327	KShIIIB,Kcnc1,Kv3.1,Kv41,NGK2	potassium voltage gated channel, Shaw-related subfamily, member 1	GO:0005244	voltage-gated ion channel activity
25469	Kv42,KCHAN,Kcna4,Kv1.4,RHK1	potassium voltage-gated channel, shaker-related subfamily, member 4	GO:0005244	voltage-gated ion channel activity
266760	Nalcn,Vgcnl1	sodium leak channel, non-selective	GO:0005244	voltage-gated ion channel activity
276720	Kcnj14,Kir2.4	potassium inwardly-rectifying channel, subfamily J, member 14	GO:0005244	voltage-gated ion channel activity
294065	Kcnv2	potassium channel, subfamily V, member 2	GO:0005244	voltage-gated ion channel activity
29701	NaN,Scn11a	sodium channel, voltage-gated, type XI, alpha	GO:0005244	voltage-gated ion channel activity
29719	Kcnj16,Kir5.1	potassium inwardly-rectifying channel, subfamily J, member 16	GO:0005244	voltage-gated ion channel activity
29737	Kcnab1,KvBeta3,MGC105463	potassium voltage-gated channel, shaker-related subfamily, beta memb	GO:0005244	voltage-gated ion channel activity
307900	Kcng4	potassium voltage-gated channel, subfamily G, member 4	GO:0005244	voltage-gated ion channel activity
365241	Kcna7	potassium voltage-gated channel, shaker-related subfamily, member 7	GO:0005244	voltage-gated ion channel activity
63883	Kcne3,MGC105432	potassium voltage-gated channel, Isk-related subfamily, gene 3	GO:0005244	voltage-gated ion channel activity
65180	Kcnd2,Kv4.2,RK5,Shal1	potassium voltage-gated channel, Shal-related subfamily, member 2	GO:0005244	voltage-gated ion channel activity
65195	Kcnd3,Kv4.3	potassium voltage-gated channel, Shal-related subfamily, member 3	GO:0005244	voltage-gated ion channel activity
78956	Nav1.7,PN1,Scn2a1,Scn9a	sodium channel, voltage-gated, type IX, alpha	GO:0005244	voltage-gated ion channel activity
81574	Scn1a	sodium channel, voltage-gated, type I, alpha	GO:0005244	voltage-gated ion channel activity
83535	Kcnj11,Kir6.2	potassium inwardly rectifying channel, subfamily J, member 11	GO:0005244	voltage-gated ion channel activity
116839	Nim22,Rim2,Rims2	regulating synaptic membrane exocytosis 2	GO:0008270	zinc ion binding

171136	Cblb	Cas-Br-M (murine) ecotropic retroviral transforming sequence b	GO:0008270	zinc ion binding
171178	Adh7	alcohol dehydrogenase 7 (class IV), mu or sigma polypeptide	GO:0008270	zinc ion binding
171387	Hzf1, Lirf, Rnf39	ring finger protein 39	GO:0008270	zinc ion binding
192359	MGC105318, Npuk68, Zc3h14	zinc finger CCCH type containing 14	GO:0008270	zinc ion binding
24218	Atp7b, Hts, PINA, Wd	ATPase, Cu <sup>++</sup> transporting, beta polypeptide	GO:0008270	zinc ion binding
100125361	MGC1567902, LOC100125361	zinc finger protein LOC100125361	GO:0008270	zinc ion binding
100233177	LOC100233177	hypothetical protein LOC100233177	GO:0008270	zinc ion binding
113894	Osi, Sqstm1, ZIP, ZIP3	sequestosome 1	GO:0008270	zinc ion binding
114090	Egr2, Krox20	early growth response 2	GO:0008270	zinc ion binding
114108	Actn2lp, Alp, Pdlim3	PDZ and LIM domain 3	GO:0008270	zinc ion binding
114636	Zyx	zyxin	GO:0008270	zinc ion binding
114845	Bklf, Klf3, Tef-2	Kruppel-like factor 3 (basic)	GO:0008270	zinc ion binding
114901	Argbp2, Sorbs2	sorbin and SH3 domain containing 2	GO:0008270	zinc ion binding
115768	Zfp37	zinc finger protein 37	GO:0008270	zinc ion binding
116593	Bup1, Upb1	ureidopropionase, beta	GO:0008270	zinc ion binding
116665	Arp2, Rere	arginine-glutamic acid dipeptide (RE) repeats	GO:0008270	zinc ion binding
24388	Gfi1	growth factor independent 1 transcription repressor	GO:0008270	zinc ion binding
24410	Grin2b	glutamate receptor, ionotropic, N-methyl D-aspartate 2B	GO:0008270	zinc ion binding
246174	Fgd4	FYVE, RhoGEF and PH domain containing 4	GO:0008270	zinc ion binding
246282	Zfp91	zinc finger protein 91	GO:0008270	zinc ion binding
24790	Sp1	Sp1 transcription factor	GO:0008270	zinc ion binding
24873	Nr1i1, Vdr	vitamin D (1,25- dihydroxyvitamin D3) receptor	GO:0008270	zinc ion binding
24932	Cd4, W3/25, p551	Cd4 molecule	GO:0008270	zinc ion binding
25154	Pgr	progesterone receptor	GO:0008270	zinc ion binding
252832	Zap1, Zc3hav1	zinc finger CCCH type, antiviral 1	GO:0008270	zinc ion binding
252961	Tank	TRAF family member-associated NFKB activator	GO:0008270	zinc ion binding
25481	Mmp11, ST3	matrix metalloproteinase 11	GO:0008270	zinc ion binding
25505	P2XMR, P2rx1	purinergic receptor P2X, ligand-gated ion channel, 1	GO:0008270	zinc ion binding
25591	Adprt, MGC93658, Parp-1, Parp1	poly (ADP-ribose) polymerase 1	GO:0008270	zinc ion binding
25672	MCR, Mlr, Nr3c2	nuclear receptor subfamily 3, group C, member 2	GO:0008270	zinc ion binding
25700	INSDEGM, Ide	insulin degrading enzyme	GO:0008270	zinc ion binding
25715	Dmt1, Nramp2, Slc11a2	solute carrier family 11 (proton-coupled divalent metal ion transporters)	GO:0008270	zinc ion binding
266680	Nzf3, St18, r-MyT3	suppression of tumorigenicity 18	GO:0008270	zinc ion binding
266773	Hit40, Zfp709, Znf14	zinc finger protein 709	GO:0008270	zinc ion binding
287275	Sec24a	SEC24 family, member A (S. cerevisiae)	GO:0008270	zinc ion binding
287608	MGC188814, Supt4h1, Supt4h2	suppressor of Ty 4 homolog 1 (S. cerevisiae)	GO:0008270	zinc ion binding
288308	Rnf160, Zfp294, Znf294	ring finger protein 160	GO:0008270	zinc ion binding
288489	RGD1562875, Rbak	RB-associated KRAB zinc finger	GO:0008270	zinc ion binding
289201	Lmx1a	LIM homeobox transcription factor 1 alpha	GO:0008270	zinc ion binding
289717	ADA2B, MGC189538, RGD15616	transcriptional adaptor 2 (ADA2 homolog, yeast)-beta	GO:0008270	zinc ion binding
290741	Dctd	dCMP deaminase	GO:0008270	zinc ion binding
291171	MGC189472, Rfp1, Trim27	tripartite motif-containing 27	GO:0008270	zinc ion binding
29150	Matr3, P130/MAT3	matrin 3	GO:0008270	zinc ion binding
291597	Trim36	tripartite motif-containing 36	GO:0008270	zinc ion binding
291670	Cxxc5, MGC94398	CXXC finger 5	GO:0008270	zinc ion binding

291936	Hhip,RGD1564108	Hedgehog-interacting protein	GO:0008270	zinc ion binding
292188	lbrdc1,Rnf217	ring finger protein 217	GO:0008270	zinc ion binding
292263	Fbxo5	F-box protein 5	GO:0008270	zinc ion binding
292584	Fiz1,RGD1306359	FLT3-interacting zinc finger 1	GO:0008270	zinc ion binding
29300	Gata6	GATA binding protein 6	GO:0008270	zinc ion binding
293067	MGC94805,Za20d3,Zfand6,zgc:	zinc finger, AN1-type domain 6	GO:0008270	zinc ion binding
293294	Trim6	tripartite motif-containing 6	GO:0008270	zinc ion binding
293561	Rnf152	ring finger protein 152	GO:0008270	zinc ion binding
293586	Zfp511,Znf511	zinc finger protein 511	GO:0008270	zinc ion binding
293960	Zfand5,Zfp216	zinc finger, AN1-type domain 5	GO:0008270	zinc ion binding
294210	Rfb30,Rnf9,Trim10	tripartite motif-containing 10	GO:0008270	zinc ion binding
294343	RGD1565460,Zfp280b	zinc finger protein 280b	GO:0008270	zinc ion binding
294429	RGD1560047,Ranbp2	RAN binding protein 2	GO:0008270	zinc ion binding
296129	AstI,RGD1562279	astacin-like metalloendopeptidase (M12 family)	GO:0008270	zinc ion binding
296161	RGD1305440,Ubox5	U-box domain containing 5	GO:0008270	zinc ion binding
296281	Plagl2	pleiomorphic adenoma gene-like 2	GO:0008270	zinc ion binding
29641	7,ADAM,ADAM 7,Adam7,EAP,E	ADAM metallopeptidase domain 7	GO:0008270	zinc ion binding
296988	MGC94941,Mkrn1	makorin ring finger protein 1	GO:0008270	zinc ion binding
297065	Zfp282,Znf282	zinc finger protein 282	GO:0008270	zinc ion binding
29721	Hivep2,MIBP1	human immunodeficiency virus type I enhancer binding protein 2	GO:0008270	zinc ion binding
297333	Smyd1	SET and MYND domain containing 1	GO:0008270	zinc ion binding
297525	MGC95133,Mkrn2	makorin, ring finger protein, 2	GO:0008270	zinc ion binding
297593	Usp5	ubiquitin specific peptidase 5 (isopeptidase T)	GO:0008270	zinc ion binding
297705	Aebp2	AE binding protein 2	GO:0008270	zinc ion binding
297804	MGC94626,Plag1	pleiomorphic adenoma gene 1	GO:0008270	zinc ion binding
298084	Zbtb5	zinc finger and BTB domain containing 5	GO:0008270	zinc ion binding
298184	Zdhhc21	zinc finger, DHHC-type containing 21	GO:0008270	zinc ion binding
298878	Odd1,Osr11	odd-skipped related 1 (Drosophila)	GO:0008270	zinc ion binding
299002	G2e3,RGD1310263	G2/M-phase specific E3 ubiquitin ligase	GO:0008270	zinc ion binding
299194	MGC108784,Ptgr2,Zadh1	prostaglandin reductase 2	GO:0008270	zinc ion binding
299510	RGD1306532,Zbtb39	zinc finger and BTB domain containing 39	GO:0008270	zinc ion binding
299897	Trps1	trichorhinophalangeal syndrome I homolog (human)	GO:0008270	zinc ion binding
300341	Mmp20	matrix metallopeptidase 20	GO:0008270	zinc ion binding
300474	Adamts15	ADAM metallopeptidase with thrombospondin type 1 motif, 15	GO:0008270	zinc ion binding
300756	Arih1	ariadne ubiquitin-conjugating enzyme E2 binding protein homolog 1 (Dr	GO:0008270	zinc ion binding
300813	Rnf111	ring finger protein 111	GO:0008270	zinc ion binding
300948	Rnf7	ring finger protein 7	GO:0008270	zinc ion binding
302962	Zfp206,Znf206,Zscan10	zinc finger and SCAN domain containing 10	GO:0008270	zinc ion binding
303088	MGC188087,Trim41	tripartite motif-containing 41	GO:0008270	zinc ion binding
303165	MGC93893,Zfp672,Znf672	zinc finger protein 672	GO:0008270	zinc ion binding
303212	Zfp287,Znf287	zinc finger protein 287	GO:0008270	zinc ion binding
303285	Traf4	Tnf receptor associated factor 4	GO:0008270	zinc ion binding
303836	Bcl6	B-cell CLL/lymphoma 6	GO:0008270	zinc ion binding
303918	Gtf2e1	general transcription factor IIE, polypeptide 1, alpha	GO:0008270	zinc ion binding
304271	Rnf6	ring finger protein (C3H2C3 type) 6	GO:0008270	zinc ion binding

304342	Zipro1,Zscan21	zinc finger and SCAN domain containing 21	GO:0008270	zinc ion binding
304521	RGD1560195,Rnf2,Tmem118	ring finger protein, transmembrane 2	GO:0008270	zinc ion binding
304850	MGC114502,Rnf2	ring finger protein 2	GO:0008270	zinc ion binding
305127	RGD1306805,Zfp644,Znf644	zinc finger protein 644	GO:0008270	zinc ion binding
305443	RGD1308380	similar to RIKEN cDNA 2310079F23	GO:0008270	zinc ion binding
305454	Zfyve28	zinc finger, FYVE domain containing 28	GO:0008270	zinc ion binding
305600	Fancl	Fanconi anemia, complementation group L	GO:0008270	zinc ion binding
305888	ZFH,Zfhx2	zinc finger homeobox 2	GO:0008270	zinc ion binding
306571	Moz,Myst3,Runxpb2,Znf220	MYST histone acetyltransferase (monocytic leukemia) 3	GO:0008270	zinc ion binding
306695	Zfp367,Znf367	zinc finger protein 367	GO:0008270	zinc ion binding
306814	Phf2	PHD finger protein 2	GO:0008270	zinc ion binding
307236	Adnp2,MGC188386,RGD130827	ADNP homeobox 2	GO:0008270	zinc ion binding
307271	Mex3c,Rkhd2	mex-3 homolog C (C. elegans)	GO:0008270	zinc ion binding
308051	Rnf146	ring finger protein 146	GO:0008270	zinc ion binding
308282	Shprh	SNF2 histone linker PHD RING helicase	GO:0008270	zinc ion binding
308283	Fbxo30,MGC94907	F-box protein 30	GO:0008270	zinc ion binding
308337	RGD1565545,Znf865	zinc finger protein 865	GO:0008270	zinc ion binding
308361	RGD1565029,Zfp329	zinc finger protein 329	GO:0008270	zinc ion binding
308362	Zfp110	zinc finger protein 110	GO:0008270	zinc ion binding
308366	Zbtb45,Zfp499,Znf499	zinc finger and BTB domain containing 45	GO:0008270	zinc ion binding
308523	Tshz3,Zfp537	teashirt zinc finger homeobox 3	GO:0008270	zinc ion binding
308757	Man2a2	mannosidase 2, alpha 2	GO:0008270	zinc ion binding
309031	Ikzf5,Zfpn1a5	IKAROS family zinc finger 5	GO:0008270	zinc ion binding
309457	Pcgf6,Rnf134	polycomb group ring finger 6	GO:0008270	zinc ion binding
309544	Rbm20	RNA binding motif protein 20	GO:0008270	zinc ion binding
309613	MGC189499,Ng35,Zbtb12	Ng35 pseudogene	GO:0008270	zinc ion binding
310250	RGD1563022,Zfhx4	zinc finger homeobox 4	GO:0008270	zinc ion binding
310306	Usp13	ubiquitin specific protease 13 (isopeptidase T-3)	GO:0008270	zinc ion binding
310641	Trim46	tripartite motif-containing 46	GO:0008270	zinc ion binding
310658	Pogz	pogo transposable element with ZNF domain	GO:0008270	zinc ion binding
310677	Otud7b,RGD1308111	OTU domain containing 7B	GO:0008270	zinc ion binding
311415	Zc3h6,Zc3hdc6	zinc finger CCCH type containing 6	GO:0008270	zinc ion binding
311508	Gzf1,RGD1562321,Zfp336	GDNF-inducible zinc finger protein 1	GO:0008270	zinc ion binding
311866	Lrsam1,RGD1564403	leucine rich repeat and sterile alpha motif containing 1	GO:0008270	zinc ion binding
311901	Lhx6	LIM homeobox 6	GO:0008270	zinc ion binding
311909	Mnab,Rc3h2	ring finger and CCCH-type zinc finger domains 2	GO:0008270	zinc ion binding
311910	Zbtb26	zinc finger and BTB domain containing 26	GO:0008270	zinc ion binding
312154	Ing3,MGC112729	inhibitor of growth family, member 3	GO:0008270	zinc ion binding
312203	Klf14	Kruppel-like factor 14	GO:0008270	zinc ion binding
312227	Cnot4,MGC114505	CCR4-NOT transcription complex, subunit 4	GO:0008270	zinc ion binding
312303	RGD1306209,Zfp746,Znf746	zinc finger protein 746	GO:0008270	zinc ion binding
312562	Zfyve20	zinc finger, FYVE domain containing 20	GO:0008270	zinc ion binding
312656	March8,Mir	membrane-associated ring finger (C3HC4) 8	GO:0008270	zinc ion binding
313264	MGC109467,Trim32	tripartite motif-containing 32	GO:0008270	zinc ion binding
313477	Zfyve9	zinc finger, FYVE domain containing 9	GO:0008270	zinc ion binding

313557	Hivep3	human immunodeficiency virus type I enhancer binding protein 3	GO:0008270	zinc ion binding
313598	Zfp262,Zmym4	zinc finger, MYM-type 4	GO:0008270	zinc ion binding
313755	Mell1,Mmel1,NEP2,NEPII	membrane metallo-endopeptidase-like 1	GO:0008270	zinc ion binding
314265	Zfyve26	zinc finger, FYVE domain containing 26	GO:0008270	zinc ion binding
314399	MGC94098,RGD1359144,Ubr7	ubiquitin protein ligase E3 component n-recognin 7 (putative)	GO:0008270	zinc ion binding
314764	Eea1	early endosome antigen 1	GO:0008270	zinc ion binding
314855	Cpm	carboxypeptidase M	GO:0008270	zinc ion binding
314930	FOG-2,Zfpm2	zinc finger protein, multitype 2	GO:0008270	zinc ion binding
315447	Chordc1	cysteine and histidine-rich domain (CHORD)-containing 1	GO:0008270	zinc ion binding
315798	RGD1560796,Suhw4,Zfp280d	zinc finger protein 280D	GO:0008270	zinc ion binding
316211	Usp492,RGD1310513	ubiquitin specific peptidase 49	GO:0008270	zinc ion binding
316219	Trerf1	transcriptional regulating factor 1	GO:0008270	zinc ion binding
316611	Agap1,Centg2	ArfGAP with GTPase domain, ankyrin repeat and PH domain 1	GO:0008270	zinc ion binding
360389	Kox15,Krox-25,MGC105332,Zfp	zinc finger protein 422	GO:0008270	zinc ion binding
360533	RGD1308636,Rnf187	ring finger protein 187	GO:0008270	zinc ion binding
360650	Amz2,RGD1304846	archaeysin family metallopeptidase 2	GO:0008270	zinc ion binding
360764	MGC95009,RGD1309158,Zfp65	zinc finger protein 655	GO:0008270	zinc ion binding
360772	MGC94876,RGD1310991,Zfand	zinc finger, AN1-type domain 2A	GO:0008270	zinc ion binding
360858	Lhx4	LIM homeobox 4	GO:0008270	zinc ion binding
360896	Esrrg,errg	estrogen-related receptor gamma	GO:0008270	zinc ion binding
361051	Phf11	PHD finger protein 11	GO:0008270	zinc ion binding
361052	Cdadc1	cytidine and dCMP deaminase domain containing 1	GO:0008270	zinc ion binding
361096	Zic2	Zic family member 2 (odd-paired homolog, Drosophila)	GO:0008270	zinc ion binding
361412	Adamts18,RGD1560118	ADAM metallopeptidase with thrombospondin type 1 motif, 18	GO:0008270	zinc ion binding
361700	Fbxl11,Kdm2a	lysine (K)-specific demethylase 2A	GO:0008270	zinc ion binding
361711	Dpf2	D4, zinc and double PHD fingers family 2	GO:0008270	zinc ion binding
361783	MGC156546,Zfp57	zinc finger protein 57	GO:0008270	zinc ion binding
361788	Cat56,MGC156547,Prr3	proline rich 3	GO:0008270	zinc ion binding
361888	MGC105985,P18srp,RGD13053	SFRS12-interacting protein 1	GO:0008270	zinc ion binding
361970	Trim2	tripartite motif-containing 2	GO:0008270	zinc ion binding
362061	Cryz	crystallin, zeta	GO:0008270	zinc ion binding
362078	Ehmt1	euchromatic histone-lysine N-methyltransferase 1	GO:0008270	zinc ion binding
362229	Xrn2	5'-3' exoribonuclease 2	GO:0008270	zinc ion binding
362412	MGC156682,Rad18	RAD18 homolog (S. cerevisiae)	GO:0008270	zinc ion binding
362484	Plekhf2	pleckstrin homology domain containing, family F (with FYVE domain) member 2	GO:0008270	zinc ion binding
362489	Cbfa2t1,Runx1t1	runt-related transcription factor 1; translocated to, 1 (cyclin D-related)	GO:0008270	zinc ion binding
362591	Mtf1	metal-regulatory transcription factor 1	GO:0008270	zinc ion binding
362675	P73,Tp73,Trp73	tumor protein p73	GO:0008270	zinc ion binding
362789	Zfyve21	zinc finger, FYVE domain containing 21	GO:0008270	zinc ion binding
362990	MGC124878,RGD1309851,Zcrb	zinc finger CCHC-type and RNA binding motif 1	GO:0008270	zinc ion binding
363035	Btbd15,MGC125242,RGD13089	zinc finger and BTB domain containing 44	GO:0008270	zinc ion binding
363139	MGC94352,Zmynd10	zinc finger, MYND-type containing 10	GO:0008270	zinc ion binding
363185	Foxp4	forkhead box P4	GO:0008270	zinc ion binding
363210	Phf3	PHD finger protein 3	GO:0008270	zinc ion binding
363672	Sp6	Sp6 transcription factor	GO:0008270	zinc ion binding

363795	Lmln	leishmanolysin-like (metallopeptidase M8 family)	GO:0008270	zinc ion binding
364393	Phf11l	PHD finger protein 11-like	GO:0008270	zinc ion binding
364681	Ibrdc2,Rnf144b	ring finger protein 144B	GO:0008270	zinc ion binding
364910	Sall3	sal-like 3 (Drosophila)	GO:0008270	zinc ion binding
365022	MGC2647,Rnf166	ring finger protein 166	GO:0008270	zinc ion binding
365377	MGC156817,RGD1562778,Trim	tripartite motif-containing 72	GO:0008270	zinc ion binding
365590	Bif1a,ZNF450,Zbtb24	zinc finger and BTB domain containing 24	GO:0008270	zinc ion binding
365751	Rnf29,Trim55	tripartite motif-containing 55	GO:0008270	zinc ion binding
365813	RGD1311956,Trim59	tripartite motif-containing 59	GO:0008270	zinc ion binding
365972	Bhmt2	betaine-homocysteine methyltransferase 2	GO:0008270	zinc ion binding
366894	PAP-II,Trhde	thyrotropin-releasing hormone degrading enzyme	GO:0008270	zinc ion binding
367033	RGD1565847,Zfp26	zinc finger protein 26	GO:0008270	zinc ion binding
367034	Zfp4261,Zfp426l	zinc finger protein 426-like	GO:0008270	zinc ion binding
494339	MGC72997,Zfp799,Zpf799	zinc finger protein 799	GO:0008270	zinc ion binding
497923	RGD1561950,Zfp286,Znf286a	zinc finger protein 286A	GO:0008270	zinc ion binding
498030	Anapc11,RGD1561880	anaphase promoting complex subunit 11	GO:0008270	zinc ion binding
498089	Dtx3l,RGD1565144	deltex 3-like (Drosophila)	GO:0008270	zinc ion binding
498160	MGC116363,Zkscan1	zinc finger with KRAB and SCAN domains 1	GO:0008270	zinc ion binding
498425	Zrsr1	zinc finger (CCCH type), RNA binding motif and serine/arginine rich 1	GO:0008270	zinc ion binding
498654	Adam5,MGC108772,tMDCII	a disintegrin and metallopeptidase domain 5	GO:0008270	zinc ion binding
499095	MGC114501,Zfp94	zinc finger protein 94	GO:0008270	zinc ion binding
499124	LOC499124	mouse zinc finger protein 14-like	GO:0008270	zinc ion binding
499309	RGD1560108	similar to RIKEN cDNA 2700081O15	GO:0008270	zinc ion binding
499563	Zfp458	zinc finger protein 458	GO:0008270	zinc ion binding
499801	Ifih1,RGD1560496	interferon induced with helicase C domain 1	GO:0008270	zinc ion binding
499900	LOC499900	similar to Zinc finger protein 133	GO:0008270	zinc ion binding
500040	Tes2	testis derived transcript	GO:0008270	zinc ion binding
500048	Fezf1,RGD1560480	Fez family zinc finger 1	GO:0008270	zinc ion binding
500110	Zfp467,Znf467	zinc finger protein 467	GO:0008270	zinc ion binding
500553	Zbtb82,RGD1562327,Zbtb8b,Zb	zinc finger and BTB domain containing 8b	GO:0008270	zinc ion binding
500562	Lin282,RGD1566408	lin-28 homolog (C. elegans)	GO:0008270	zinc ion binding
500636	RGD1561737,Rnf144,Rnf144a	ring finger protein 144A	GO:0008270	zinc ion binding
500950	RGD1565419,Zfp317	zinc finger protein 317	GO:0008270	zinc ion binding
500981	RGD1562294,Zfp202	zinc finger protein 202	GO:0008270	zinc ion binding
50558	Npepps,Psa	aminopeptidase puromycin sensitive	GO:0008270	zinc ion binding
53982	OZF,POZF-1,Zfp260,Znf146,Znf2	zinc finger protein 260	GO:0008270	zinc ion binding
54278	Nr4a2,Nurr1	nuclear receptor subfamily 4, group A, member 2	GO:0008270	zinc ion binding
56768	Pclo,aczonin	piccolo (presynaptic cytomatrix protein)	GO:0008270	zinc ion binding
58851	Nr1h2,OR-1	nuclear receptor subfamily 1, group H, member 2	GO:0008270	zinc ion binding
64027	Bspry	B-box and SPRY domain containing	GO:0008270	zinc ion binding
64394	PAG608,Wig1,Zmat3	zinc finger, matrin type 3	GO:0008270	zinc ion binding
64702	Rnf16,Trim17	tripartite motif-containing 17	GO:0008270	zinc ion binding
65201	CLIP-170,Clip1,MGC114234,Rsn	CAP-GLY domain containing linker protein 1	GO:0008270	zinc ion binding
680201	Zfp322a	zinc finger protein 322a	GO:0008270	zinc ion binding
684961	MGC188207,Zmat4	zinc finger, matrin type 4	GO:0008270	zinc ion binding

685384	MGC188174,Rnf180	ring finger protein 180	GO:0008270	zinc ion binding
690262	Yaf2	YY1 associated factor 2	GO:0008270	zinc ion binding
690419	Zfp709l1	zinc finger protein 709-like 1	GO:0008270	zinc ion binding
691484	Eri2,Exod1	exoribonuclease 2	GO:0008270	zinc ion binding
81508	Bhmt	betaine-homocysteine methyltransferase	GO:0008270	zinc ion binding
81686	Mmp2	matrix metalloproteinase 2	GO:0008270	zinc ion binding
81687	Mmp9	matrix metalloproteinase 9	GO:0008270	zinc ion binding
81707	Mmp14,Mt1-mmp	matrix metalloproteinase 14 (membrane-inserted)	GO:0008270	zinc ion binding
81813	Klf10,Tieg	Kruppel-like factor 10	GO:0008270	zinc ion binding
83726	Ctcf	CCCTC-binding factor (zinc finger protein)	GO:0008270	zinc ion binding
84350	Dnmt1	DNA (cytosine-5-)-methyltransferase 1	GO:0008270	zinc ion binding
84380	Dhh	desert hedgehog homolog (Drosophila)	GO:0008270	zinc ion binding
85265	Jub,MGC93830	jub, ajuba homolog (Xenopus laevis)	GO:0008270	zinc ion binding
89820	Hrmt1l31,Prmt3	protein arginine methyltransferase 3	GO:0008270	zinc ion binding
94196	MGC72355,Rnf138,Rsd4,Trif	ring finger protein 138	GO:0008270	zinc ion binding