

Entrez	Symbols	Name	TermID	TermDesc
117260	Mth1,Nudt1	nudix (nucleoside diphosphate linked moiety X)-type motif 1	GO:0035539	8-oxo-7,8-dihydrodeoxyguanosine triphosphate pyrophosphatase activity
117260	Mth1,Nudt1	nudix (nucleoside diphosphate linked moiety X)-type motif 1	GO:0008413	8-oxo-7,8-dihydroguanosine triphosphate pyrophosphatase activity
116562	Il2	interleukin 2	GO:0007205	activation of protein kinase C activity by G-protein coupled receptor protein signaling pathway
25439	F2r,MGC93622,Par1,TRGPC	coagulation factor II (thrombin) receptor	GO:0007205	activation of protein kinase C activity by G-protein coupled receptor protein signaling pathway
300129	Cerk	ceramide kinase	GO:0007205	activation of protein kinase C activity by G-protein coupled receptor protein signaling pathway
292994	Tjp1,ZO-1	tight junction protein 1	GO:0005912	adherens junction
304733	Epb4.1I5,Epb41I5,MGC109531	erythrocyte protein band 4.1-like 5	GO:0005912	adherens junction
305679	Vcl	vinculin	GO:0005912	adherens junction
192248	Cdh13,Cdht,MGC93172,T-cadherin,Tcad	cadherin 13	GO:0055100	adiponectin binding
29629	GluA4,GluR-D,GluR4,Gria4	glutamate receptor, ionotropic, AMPA 4	GO:0004971	alpha-amino-3-hydroxy-5-methyl-4-isoxazole propionate selective glutamate receptor activity
287709	Rab5c	RAB5C, member RAS oncogene family	05146	Amoebiasis
290905	Col4a1	collagen, type IV, alpha 1	05146	Amoebiasis
305679	Vcl	vinculin	05146	Amoebiasis
60325	Pai2a,Serpinb2	serpin peptidase inhibitor, clade B (ovalbumin), member 2	05146	Amoebiasis
81809	Tgfb2	transforming growth factor, beta 2	05146	Amoebiasis
289456	Dhrs8,Hsd17b11,MGC93725	hydroxysteroid (17-beta) dehydrogenase 11	GO:0006710	androgen catabolic process
311562	Apba2bp,Necab3	N-terminal EF-hand calcium binding protein 3	GO:0017000	antibiotic biosynthetic process
292536	Prpf31	PRP31 pre-mRNA processing factor 31 homolog (S. cerevisiae)	GO:0000244	assembly of spliceosomal tri-snRNP
84010	Dll1	delta-like 1 (Drosophila)	GO:0009912	auditory receptor cell fate commitment
294503	Nodal	nodal homolog (mouse)	GO:0048327	axial mesodermal cell fate specification
305679	Vcl	vinculin	GO:0002166	beta-dystroglycan binding
497756	Si2,SUCIMAL	sucrase-isomaltase (alpha-glucosidase)	GO:0004564	beta-fructofuranosidase activity
170808	CL-2',Capn8,Cls4,nCL-2	calpain 8	GO:0004198	calcium-dependent cysteine-type endopeptidase activity
29154	Capn2	calpain 2	GO:0004198	calcium-dependent cysteine-type endopeptidase activity
312936	Sox17	SRY (sex determining region Y)-box 17	GO:0060913	cardiac cell fate determination
296787	MGC189535,Sema3c	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C	GO:0003215	cardiac right ventricle morphogenesis
81809	Tgfb2	transforming growth factor, beta 2	GO:0010002	cardioblast differentiation
114494	Ccna2,MGC156527	cyclin A2	04110	Cell cycle
25729	CYCLE,Ccne,Ccne1	cyclin E1	04110	Cell cycle
311412	Anapc1	anaphase promoting complex subunit 1	04110	Cell cycle
360908	Cdc7	cell division cycle 7 homolog (S. cerevisiae)	04110	Cell cycle
361178	MGC112830	similar to transcription factor	04110	Cell cycle
81758	Rb2,Rbl2	retinoblastoma-like 2	04110	Cell cycle
81809	Tgfb2	transforming growth factor, beta 2	04110	Cell cycle
192126	DIP1/2,Dab2ip	DAB2 interacting protein	GO:0071364	cellular response to epidermal growth factor stimulus
192126	DIP1/2,Dab2ip	DAB2 interacting protein	GO:0071356	cellular response to tumor necrosis factor
353229	MGC93062,Mob,Sgms1,Tmem23	sphingomyelin synthase 1	GO:0071356	cellular response to tumor necrosis factor
304486	RGD1566266,Tctn1	tectonic family member 1	GO:0021956	central nervous system interneuron axonogenesis
305861	MGC124703,Mudeng,RGD1308087	MU-2/AP1M2 domain containing, death-inducing	GO:0030131	clathrin adaptor complex
314349	RGD1311502,Ston2	stonin 2	GO:0030131	clathrin adaptor complex
360202	Salf,Sblf,Ston1	stonin 1	GO:0030131	clathrin adaptor complex
310685	Polr3c	polymerase (RNA) III (DNA directed) polypeptide C	04623	Cytosolic DNA-sensing pathway
361749	Il33,RGD1311155	interleukin 33	04623	Cytosolic DNA-sensing pathway
84351	AIM-1,IKK2,Ikbb	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta	04623	Cytosolic DNA-sensing pathway
297554	Csgalnact2,Galnact2,RGD1563660	chondroitin sulfate N-acetylgalactosaminyltransferase 2	GO:0050651	dermatan sulfate proteoglycan biosynthetic process
691394	Chst14	carbohydrate (N-acetyl)galactosamine 4-0) sulfotransferase 14	GO:0050655	dermatan sulfate proteoglycan metabolic process
29456	Map1b,Mtap1b	microtubule-associated protein 1B	GO:0021700	developmental maturation
117260	Mth1,Nudt1	nudix (nucleoside diphosphate linked moiety X)-type motif 1	GO:0006203	dGTP catabolic process
117260	Mth1,Nudt1	nudix (nucleoside diphosphate linked moiety X)-type motif 1	GO:0042262	DNA protection
114634	Six1	SIX homeobox 1	GO:0048701	embryonic cranial skeleton morphogenesis
294503	Nodal	nodal homolog (mouse)	GO:0048701	embryonic cranial skeleton morphogenesis
304733	Epb4.1I5,Epb41I5,MGC109531	erythrocyte protein band 4.1-like 5	GO:0048617	embryonic foregut morphogenesis
363185	Foxp4	forkhead box P4	GO:0048617	embryonic foregut morphogenesis
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
497991	Med1,RGD1559552	mediator complex subunit 1	GO:0035050	embryonic heart tube development
25640	Hnf1b,LF-B3,MGC93549,Tcf2,VHNF1	HNF1 homeobox B	GO:0007492	endoderm development
294503	Nodal	nodal homolog (mouse)	GO:0007492	endoderm development
304733	Epb4.1I5,Epb41I5,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
25640	Hnf1b,LF-B3,MGC93549,Tcf2,VHNF1	HNF1 homeobox B	GO:0001714	endodermal cell fate specification
294503	Nodal	nodal homolog (mouse)	GO:0060802	epiblast cell-extraembryonic ectoderm cell signaling involved in anterior/posterior axis specification

29456	Map1b,Mtap1b	microtubule-associated protein 1B	GO:0061162	establishment of monopolar cell polarity
25439	F2r,MGC93622,Par1,TRGPC	coagulation factor II (thrombin) receptor	GO:0007529	establishment of synaptic specificity at neuromuscular junction
64845	Geph,Gphn	gephyrin	GO:0007529	establishment of synaptic specificity at neuromuscular junction
29629	GluA4,GluR-D,GluR4,Gria4	glutamate receptor, ionotropic, AMPA 4	GO:0005234	extracellular-glutamate-gated ion channel activity
79220	Grid2	glutamate receptor, ionotropic, delta 2	GO:0005234	extracellular-glutamate-gated ion channel activity
305268	RGD1308324,Uba6,Ube1l2	ubiquitin-like modifier activating enzyme 6	GO:0019780	FAT10 activating enzyme activity
294503	Nodal	nodal homolog (mouse)	GO:0033505	floor plate morphogenesis
294503	Nodal	nodal homolog (mouse)	GO:0048859	formation of anatomical boundary
114502	Pax3	paired box 3	GO:0042063	gliogenesis
25267	APDGFR,PDGFACE,Pdgfra	platelet derived growth factor receptor, alpha polypeptide	GO:0042063	gliogenesis
361755	Aldh18a1,Pycs	aldehyde dehydrogenase 18 family, member A1	GO:0004349	glutamate 5-kinase activity
361755	Aldh18a1,Pycs	aldehyde dehydrogenase 18 family, member A1	GO:0004350	glutamate-5-semialdehyde dehydrogenase activity
24398	Gls,Glut,RATGLUT	glutaminase	GO:0006543	glutamine catabolic process
116562	Il2	interleukin 2	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
294503	Nodal	nodal homolog (mouse)	GO:0008083	growth factor activity
81809	Tgfb2	transforming growth factor, beta 2	GO:0008083	growth factor activity
114502	Pax3	paired box 3	GO:0007507	heart development
294503	Nodal	nodal homolog (mouse)	GO:0007507	heart development
296787	MGC189535,Sema3c	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C	GO:0007507	heart development
314930	FOG-2,Zfp2	zinc finger protein, multitype 2	GO:0007507	heart development
363185	Foxp4	forkhead box P4	GO:0007507	heart development
497991	Med1,RGD1559552	mediator complex subunit 1	GO:0007507	heart development
81809	Tgfb2	transforming growth factor, beta 2	GO:0007507	heart development
362152	Hnrnpa3,Hnrpa3	heterogeneous nuclear ribonucleoprotein A3	GO:0030530	heterogeneous nuclear ribonucleoprotein complex
25640	Hnf1b,LF-B3,MGC93549,Tcf2,VHNF1	HNF1 homeobox B	GO:0030902	hindbrain development
29458	Neurod1	neurogenic differentiation 1	GO:0030902	hindbrain development
81809	Tgfb2	transforming growth factor, beta 2	GO:0030902	hindbrain development
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
25055	Chole,Chole2,LAL1,Lip1,Lipa	lipase A, lysosomal acid, cholesterol esterase	GO:0048873	homeostasis of number of cells within a tissue
25439	F2r,MGC93622,Par1,TRGPC	coagulation factor II (thrombin) receptor	GO:0048873	homeostasis of number of cells within a tissue
287437	MGC95053,Tnfsf13	tumor necrosis factor (ligand) superfamily, member 13	GO:0002426	immunoglobulin production in mucosal tissue
24237	C6	complement component 6	GO:0001701	in utero embryonic development
25267	APDGFR,PDGFACE,Pdgfra	platelet derived growth factor receptor, alpha polypeptide	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
304486	RGD1566266,Tctn1	tectonic family member 1	GO:0001701	in utero embryonic development
304733	Epb4.1l5,Epb4l15,MGC109531	erythrocyte protein band 4.1-like 5	GO:0001701	in utero embryonic development
314930	FOG-2,Zfp2	zinc finger protein, multitype 2	GO:0001701	in utero embryonic development
497991	Med1,RGD1559552	mediator complex subunit 1	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
64188	Mafg	v-maf musculoaponeurotic fibrosarcoma oncogene homolog G (avian)	GO:0001701	in utero embryonic development
29456	Map1b,Mtap1b	microtubule-associated protein 1B	GO:0051915	induction of synaptic plasticity by chemical substance
294503	Nodal	nodal homolog (mouse)	GO:0002085	inhibition of neuroepithelial cell differentiation
114634	Six1	SIX homeobox 1	GO:0048839	inner ear development
25267	APDGFR,PDGFACE,Pdgfra	platelet derived growth factor receptor, alpha polypeptide	GO:0048839	inner ear development
81809	Tgfb2	transforming growth factor, beta 2	GO:0048839	inner ear development
84010	Dll1	delta-like 1 (Drosophila)	GO:0048839	inner ear development
315523	Nfrkb	nuclear factor related to kappa B binding protein	GO:0031011	Ino80 complex
114506	Ank,Ankh	ankylosis, progressive homolog (mouse)	GO:0030504	inorganic diphosphate transmembrane transporter activity
114506	Ank,Ankh	ankylosis, progressive homolog (mouse)	GO:0030505	inorganic diphosphate transport
114506	Ank,Ankh	ankylosis, progressive homolog (mouse)	GO:0005887	integral to plasma membrane
24779	MGC93554,Slc4a1	solute carrier family 4 (anion exchanger), member 1	GO:0005887	integral to plasma membrane
25267	APDGFR,PDGFACE,Pdgfra	platelet derived growth factor receptor, alpha polypeptide	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
29600	Atp2b4,PMCA4	ATPase, Ca ⁺⁺ transporting, plasma membrane 4	GO:0005887	integral to plasma membrane
300186	Ali1,Amigo2	adhesion molecule with Ig like domain 2	GO:0005887	integral to plasma membrane
362326	MGC109305,Tm4sf12,Tspan12	tetraspanin 12	GO:0005887	integral to plasma membrane
685781	Ddr2,Tyro10	discoidin domain receptor tyrosine kinase 2	GO:0005887	integral to plasma membrane
116562	Il2	interleukin 2	GO:0005134	interleukin-2 receptor binding

116562	Il2	interleukin 2	04630	Jak-STAT signaling pathway
360697	lfngr2	interferon gamma receptor 2	04630	Jak-STAT signaling pathway
365395	Bsf3,Clc,Clcf1,MGC112574,NNT-1	cardiotrophin-like cytokine factor 1	04630	Jak-STAT signaling pathway
498798	RGD1564499,Stam	signal transducing adaptor molecule (SH3 domain and ITAM motif) 1	04630	Jak-STAT signaling pathway
84598	Jak1	Janus kinase 1	04630	Jak-STAT signaling pathway
116562	Il2	interleukin 2	GO:0031851	kappa-type opioid receptor binding
116723	Pip4k2a,Pip5k2a	phosphatidylinositol-5-phosphate 4-kinase, type II, alpha	GO:0016301	kinase activity
24679	MGC116401,Pkar2b,RATDNA	protein kinase, cAMP dependent regulatory, type II beta	GO:0016301	kinase activity
25729	CYCLE,Ccne,Ccne1	cyclin E1	GO:0016301	kinase activity
353229	MGC93062,Mob,Sgms1,Tmem23	sphingomyelin synthase 1	GO:0016301	kinase activity
360908	Cdc7	cell division cycle 7 homolog (S. cerevisiae)	GO:0016301	kinase activity
84351	AIM-1,IKK2,Ikbbk	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta	GO:0016301	kinase activity
84598	Jak1	Janus kinase 1	GO:0016301	kinase activity
192248	Cdh13,Cdht,MGC93172,T-cadherin,Tcad	cadherin 13	GO:0030032	lamellipodium assembly
305679	Vcl	vinculin	GO:0030032	lamellipodium assembly
303399	Tbx4	T-box 4	GO:0035110	leg morphogenesis
289810	C1d1,MGC188504,RGD1560600	C1D nuclear receptor co-repressor	GO:0016922	ligand-dependent nuclear receptor binding
497991	Med1,RGD1559552	mediator complex subunit 1	GO:0016922	ligand-dependent nuclear receptor binding
246074	Scd1	stearyl-Coenzyme A desaturase 1	GO:0008610	lipid biosynthetic process
252900	Dgat2,MGC108863	diacylglycerol O-acyltransferase homolog 2 (mouse)	GO:0008610	lipid biosynthetic process
116631	Nat11	N-acetyltransferase 1 (arylamine N-acetyltransferase)	GO:0001889	liver development
25640	Hnf1b,LF-B3,MGC93549,Tcf2,VHNF1	HNF1 homeobox B	GO:0001889	liver development
25729	CYCLE,Ccne,Ccne1	cyclin E1	GO:0001889	liver development
294503	Nodal	nodal homolog (mouse)	GO:0001889	liver development
497991	Med1,RGD1559552	mediator complex subunit 1	GO:0001889	liver development
296925	Aass	aminoadipate-semialdehyde synthase	GO:0019477	L-lysine catabolic process
192248	Cdh13,Cdht,MGC93172,T-cadherin,Tcad	cadherin 13	GO:0055096	low-density lipoprotein particle mediated signaling
25055	Chole,Chole2,LAL1,Lip1,Lipa	lipase A, lysosomal acid, cholesterol esterase	GO:0030324	lung development
25267	APDGFR,PDGFACE,Pdgfra	platelet derived growth factor receptor, alpha polypeptide	GO:0030324	lung development
294503	Nodal	nodal homolog (mouse)	GO:0030324	lung development
303399	Tbx4	T-box 4	GO:0030324	lung development
314930	FOG-2,Zfpm2	zinc finger protein, multitype 2	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
114502	Pax3	paired box 3	GO:0060594	mammary gland specification
304733	Epb4.1I5,Epb41I5,MGC109531	erythrocyte protein band 4.1-like 5	GO:0007509	mesoderm migration involved in gastrulation
24934	Klrk1,NKG2D,Nkrp2	killer cell lectin-like receptor subfamily K, member 1	GO:0042288	MHC class I protein binding
362912	Der11,RGD1311835	Der1-like domain family, member 1	GO:0042288	MHC class I protein binding
24934	Klrk1,NKG2D,Nkrp2	killer cell lectin-like receptor subfamily K, member 1	GO:0032394	MHC class Ib receptor activity
303399	Tbx4	T-box 4	GO:0002009	morphogenesis of an epithelium
305679	Vcl	vinculin	GO:0002009	morphogenesis of an epithelium
309656	Ftsjd2,LRRG00129,MTr1,RGD1307801	FtsJ methyltransferase domain containing 2	GO:0004483	mRNA (nucleoside-2'-O-)-methyltransferase activity
309656	Ftsjd2,LRRG00129,MTr1,RGD1307801	FtsJ methyltransferase domain containing 2	GO:0080009	mRNA methylation
259167	Art5	ADP-ribosyltransferase 5	GO:0003956	NAD(P)+-protein-arginine ADP-ribosyltransferase activity
312806	ATR4,Art4	ADP-ribosyltransferase 4	GO:0003956	NAD(P)+-protein-arginine ADP-ribosyltransferase activity
259167	Art5	ADP-ribosyltransferase 5	GO:0003953	NAD+ nucleosidase activity
81506	Bst1	bone marrow stromal cell antigen 1	GO:0003953	NAD+ nucleosidase activity
24934	Klrk1,NKG2D,Nkrp2	killer cell lectin-like receptor subfamily K, member 1	GO:0045233	natural killer cell receptor activity
81809	Tgfb2	transforming growth factor, beta 2	GO:0010693	negative regulation of alkaline phosphatase activity
117087	Stim2	stromal interaction molecule 2	GO:0032235	negative regulation of calcium ion transport via store-operated calcium channel activity
192126	DIP1/2,Dab2ip	DAB2 interacting protein	GO:0035414	negative regulation of catenin import into nucleus
299611	Apc2	adenomatosis polyposis coli 2	GO:0035414	negative regulation of catenin import into nucleus
294503	Nodal	nodal homolog (mouse)	GO:0045596	negative regulation of cell differentiation
84010	Dil1	delta-like 1 (Drosophila)	GO:0045596	negative regulation of cell differentiation
361749	Il33,RGD1311155	interleukin 33	GO:0051025	negative regulation of immunoglobulin secretion
29456	Map1b,Mtap1b	microtubule-associated protein 1B	GO:0032387	negative regulation of intracellular transport
361749	Il33,RGD1311155	interleukin 33	GO:0002686	negative regulation of leukocyte migration
192126	DIP1/2,Dab2ip	DAB2 interacting protein	GO:0034261	negative regulation of Ras GTPase activity
294981	Spry1	sprouty homolog 1, antagonist of FGF signaling (Drosophila)	GO:0034261	negative regulation of Ras GTPase activity
192126	DIP1/2,Dab2ip	DAB2 interacting protein	GO:0046580	negative regulation of Ras protein signal transduction
294981	Spry1	sprouty homolog 1, antagonist of FGF signaling (Drosophila)	GO:0046580	negative regulation of Ras protein signal transduction
81809	Tgfb2	transforming growth factor, beta 2	GO:0051280	negative regulation of release of sequestered calcium ion into cytosol
116631	Nat11	N-acetyltransferase 1 (arylamine N-acetyltransferase)	GO:0017148	negative regulation of translation

305826	Samd4,Samd4a	sterile alpha motif domain containing 4A	GO:0017148	negative regulation of translation
25640	Hnf1b,LF-B3,MGC93549,Tcf2,VHNF1	HNF1 homeobox B	GO:0072176	nephric duct development
25640	Hnf1b,LF-B3,MGC93549,Tcf2,VHNF1	HNF1 homeobox B	GO:0072179	nephric duct formation
116658	Axcam,Big-2,Cntn4	contactin 4	GO:0007399	nervous system development
286910	Nid67	putative small membrane protein NID67	GO:0007399	nervous system development
291130	Dcdc2	doublecortin domain containing 2	GO:0007399	nervous system development
294503	Nodal	nodal homolog (mouse)	GO:0007399	nervous system development
29456	Map1b,Mtap1b	microtubule-associated protein 1B	GO:0007399	nervous system development
29458	Neurod1	neurogenic differentiation 1	GO:0007399	nervous system development
50719	E16,Slc7a5,TA1	solute carrier family 7 (cationic amino acid transporter, y+ system), member 5	GO:0007399	nervous system development
84010	Dll1	delta-like 1 (Drosophila)	GO:0007399	nervous system development
114502	Pax3	paired box 3	GO:0001755	neural crest cell migration
296787	MGC189535,Sema3c	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C	GO:0001755	neural crest cell migration
304157	Nrip1,RIP140	nuclear receptor interacting protein 1	GO:0035257	nuclear hormone receptor binding
497991	Med1,RGD1559552	mediator complex subunit 1	GO:0035257	nuclear hormone receptor binding
497756	Si2,SUCIMAL	sucrase-isomaltase (alpha-glucosidase)	GO:0004574	oligo-1,6-glucosidase activity
363013	RGD1305625,Tmem123	transmembrane protein 123	GO:0070267	oncosis
114634	Six1	SIX homeobox 1	GO:0001759	organ induction
294981	Spry1	sprouty homolog 1, antagonist of FGF signaling (Drosophila)	GO:0001759	organ induction
29358	MGC109393,NPY-1,Npy1r	neuropeptide Y receptor Y1	GO:0003151	outflow tract morphogenesis
296787	MGC189535,Sema3c	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C	GO:0003151	outflow tract morphogenesis
312936	Sox17	SRY (sex determining region Y)-box 17	GO:0003151	outflow tract morphogenesis
499529	Aqdg,Ndufs4	NADH dehydrogenase (ubiquinone) Fe-S protein 4	GO:0016651	oxidoreductase activity; acting on NADH or NADPH
296229	Crp2,P22k15	cystatin related protein 2	GO:0030414	peptidase inhibitor activity
361319	Spink5	serine peptidase inhibitor, Kazal type 5	GO:0030414	peptidase inhibitor activity
60325	Pai2a,Serpinb2	serpin peptidase inhibitor, clade B (ovalbumin), member 2	GO:0030414	peptidase inhibitor activity
25267	APDGFR,PDGFACE,Pdgfra	platelet derived growth factor receptor, alpha polypeptide	GO:0005018	platelet-derived growth factor alpha-receptor activity
25267	APDGFR,PDGFACE,Pdgfra	platelet derived growth factor receptor, alpha polypeptide	GO:0048407	platelet-derived growth factor binding
290905	Col4a1	collagen, type IV, alpha 1	GO:0048407	platelet-derived growth factor binding
24237	C6	complement component 6	GO:0001970	positive regulation of activation of membrane attack complex
117087	Stim2	stromal interaction molecule 2	GO:0051928	positive regulation of calcium ion transport
25439	F2r,MGC93622,Par1,TRGPC	coagulation factor II (thrombin) receptor	GO:0051928	positive regulation of calcium ion transport
81809	Tgfb2	transforming growth factor, beta 2	GO:0051795	positive regulation of catagen
24237	C6	complement component 6	GO:0045917	positive regulation of complement activation
304733	Epb4.1I5,Epb41I5,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
304733	Epb4.1I5,Epb41I5,MGC109531	erythrocyte protein band 4.1-like 5	GO:0010718	positive regulation of epithelial to mesenchymal transition
81809	Tgfb2	transforming growth factor, beta 2	GO:0010718	positive regulation of epithelial to mesenchymal transition
114494	Cna2,MGC156527	cyclin A2	GO:0048146	positive regulation of fibroblast proliferation
25267	APDGFR,PDGFACE,Pdgfra	platelet derived growth factor receptor, alpha polypeptide	GO:0048146	positive regulation of fibroblast proliferation
499529	Aqdg,Ndufs4	NADH dehydrogenase (ubiquinone) Fe-S protein 4	GO:0048146	positive regulation of fibroblast proliferation
116562	Il2	interleukin 2	GO:0051024	positive regulation of immunoglobulin secretion
361749	Il33,RGD1311155	interleukin 33	GO:0051024	positive regulation of immunoglobulin secretion
81809	Tgfb2	transforming growth factor, beta 2	GO:0045726	positive regulation of integrin biosynthetic process
287437	MGC95053,Tnfsf13	tumor necrosis factor (ligand) superfamily, member 13	GO:0048298	positive regulation of isotype switching to IgA isotypes
25439	F2r,MGC93622,Par1,TRGPC	coagulation factor II (thrombin) receptor	GO:0014068	positive regulation of phosphatidylinositol 3-kinase cascade
81809	Tgfb2	transforming growth factor, beta 2	GO:0014068	positive regulation of phosphatidylinositol 3-kinase cascade
116562	Il2	interleukin 2	GO:0045591	positive regulation of regulatory T cell differentiation
361749	Il33,RGD1311155	interleukin 33	GO:0002830	positive regulation of type 2 immune response
25439	F2r,MGC93622,Par1,TRGPC	coagulation factor II (thrombin) receptor	GO:0045907	positive regulation of vasoconstriction
29358	MGC109393,NPY-1,Npy1r	neuropeptide Y receptor Y1	GO:0045907	positive regulation of vasoconstriction
304733	Epb4.1I5,Epb41I5,MGC109531	erythrocyte protein band 4.1-like 5	GO:0010608	posttranscriptional regulation of gene expression
259167	Art5	ADP-ribosyltransferase 5	GO:0006471	protein ADP-ribosylation
312806	ATR4,Art4	ADP-ribosyltransferase 4	GO:0006471	protein ADP-ribosylation
25123	Sm22,Tagln	transgelin	GO:0030674	protein binding; bridging
300266	Cbx5	chromobox homolog 5 (HP1 alpha homolog, Drosophila)	GO:0030674	protein binding; bridging
64845	Geph,Gphn	gephyrin	GO:0030674	protein binding; bridging
117260	Mth1,Nudt1	nudix (nucleoside diphosphate linked moiety X)-type motif 1	GO:0006195	purine nucleotide catabolic process
192126	DIP1/2,Dab2ip	DAB2 interacting protein	GO:0005099	Ras GTPase activator activity
361598	Iqgap1	IQ motif containing GTPase activating protein 1	GO:0005099	Ras GTPase activator activity
116723	Pip4k2a,Pip5k2a	phosphatidylinositol-5-phosphate 4-kinase, type II, alpha	04810	Regulation of actin cytoskeleton
25267	APDGFR,PDGFACE,Pdgfra	platelet derived growth factor receptor, alpha polypeptide	04810	Regulation of actin cytoskeleton
25439	F2r,MGC93622,Par1,TRGPC	coagulation factor II (thrombin) receptor	04810	Regulation of actin cytoskeleton

299611	Apc2	adenomatosis polyposis coli 2	04810	Regulation of actin cytoskeleton
305679	Vcl	vinculin	04810	Regulation of actin cytoskeleton
360854	Arpc5,MGC116419	actin related protein 2/3 complex, subunit 5	04810	Regulation of actin cytoskeleton
361598	Iqgap1	IQ motif containing GTPase activating protein 1	04810	Regulation of actin cytoskeleton
50685	Mrlc2,Mrlcb,My112b,My1c2b	myosin, light chain 12B, regulatory	04810	Regulation of actin cytoskeleton
311562	Apba2bp,Necab3	N-terminal EF-hand calcium binding protein 3	GO:0042984	regulation of amyloid precursor protein biosynthetic process
25640	Hnf1b,LF-B3,MGC93549,Tcf2,VHNF1	HNF1 homeobox B	GO:0072095	regulation of branch elongation involved in ureteric bud branching
192248	Cdh13,Cdht,MGC93172,T-cadherin,Tcad	cadherin 13	GO:0001558	regulation of cell growth
360622	IBP4,IGF-BP4,Igfbp4	insulin-like growth factor binding protein 4	GO:0001558	regulation of cell growth
685781	Ddr2,Tyro10	discoidin domain receptor tyrosine kinase 2	GO:0001558	regulation of cell growth
81809	Tgfb2	transforming growth factor, beta 2	GO:0001558	regulation of cell growth
192204	Ehd4,MGC91469,Past2	EH-domain containing 4	GO:0030100	regulation of endocytosis
192248	Cdh13,Cdht,MGC93172,T-cadherin,Tcad	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
25640	Hnf1b,LF-B3,MGC93549,Tcf2,VHNF1	HNF1 homeobox B	GO:0042663	regulation of endodermal cell fate specification
192248	Cdh13,Cdht,MGC93172,T-cadherin,Tcad	cadherin 13	GO:0042058	regulation of epidermal growth factor receptor signaling pathway
114502	Pax3	paired box 3	GO:0006355	regulation of transcription; DNA-dependent
114634	Six1	SIX homeobox 1	GO:0006355	regulation of transcription; DNA-dependent
115768	Zfp37	zinc finger protein 37	GO:0006355	regulation of transcription; DNA-dependent
24370	BF1A,Fkh1,Foxg1,RATBF1A	forkhead box G1	GO:0006355	regulation of transcription; DNA-dependent
25154	Pgr	progesterone receptor	GO:0006355	regulation of transcription; DNA-dependent
25640	Hnf1b,LF-B3,MGC93549,Tcf2,VHNF1	HNF1 homeobox B	GO:0006355	regulation of transcription; DNA-dependent
288489	RGD1562875,Rbak	RB-associated KRAB zinc finger	GO:0006355	regulation of transcription; DNA-dependent
29362	Tef	thyrotrophic embryonic factor	GO:0006355	regulation of transcription; DNA-dependent
29458	Neurod1	neurogenic differentiation 1	GO:0006355	regulation of transcription; DNA-dependent
303212	Zfp287,Znf287	zinc finger protein 287	GO:0006355	regulation of transcription; DNA-dependent
303399	Tbx4	T-box 4	GO:0006355	regulation of transcription; DNA-dependent
304336	RGD1566386	similar to Hypothetical protein A430033K04	GO:0006355	regulation of transcription; DNA-dependent
304786	Elk4	ELK4, ETS-domain protein (SRF accessory protein 1)	GO:0006355	regulation of transcription; DNA-dependent
361178	MGC112830	similar to transcription factor	GO:0006355	regulation of transcription; DNA-dependent
362533	MGC189561,Tle1	transducin-like enhancer of split 1 (E(sp1) homolog, Drosophila)	GO:0006355	regulation of transcription; DNA-dependent
363185	Foxp4	forkhead box P4	GO:0006355	regulation of transcription; DNA-dependent
497991	Med1,RGD1559552	mediator complex subunit 1	GO:0006355	regulation of transcription; DNA-dependent
498545	MGC156831,TS22A,TSC-22,Tgfb1i4,Tsc22	TSC22 domain family, member 1	GO:0006355	regulation of transcription; DNA-dependent
498999	Ahrr	aryl-hydrocarbon receptor repressor	GO:0006355	regulation of transcription; DNA-dependent
64188	Mafg	v-maf musculoaponeurotic fibrosarcoma oncogene homolog G (avian)	GO:0006355	regulation of transcription; DNA-dependent
690419	Zfp709l1	zinc finger protein 709-like 1	GO:0006355	regulation of transcription; DNA-dependent
499529	Aqdq,Ndufs4	NADH dehydrogenase (ubiquinone) Fe-S protein 4	GO:0045271	respiratory chain complex I
25640	Hnf1b,LF-B3,MGC93549,Tcf2,VHNF1	HNF1 homeobox B	GO:0009743	response to carbohydrate stimulus
29456	Map1b,Mtap1b	microtubule-associated protein 1B	GO:0009743	response to carbohydrate stimulus
114494	Ccna2,MGC156527	cyclin A2	GO:0032355	response to estradiol stimulus
25267	APDGFR,PDGFACE,Pdgfra	platelet derived growth factor receptor, alpha polypeptide	GO:0032355	response to estradiol stimulus
25729	CYCLE,Ccne,Ccne1	cyclin E1	GO:0032355	response to estradiol stimulus
29358	MGC109393,NPY-1,Npy1r	neuropeptide Y receptor Y1	GO:0032355	response to estradiol stimulus
29456	Map1b,Mtap1b	microtubule-associated protein 1B	GO:0032355	response to estradiol stimulus
81809	Tgfb2	transforming growth factor, beta 2	GO:0032355	response to estradiol stimulus
292994	Tjp1,ZO-1	tight junction protein 1	GO:0071000	response to magnetism
25439	F2r,MGC93622,Par1,TRGPC	coagulation factor II (thrombin) receptor	GO:0009611	response to wounding
29456	Map1b,Mtap1b	microtubule-associated protein 1B	GO:0009611	response to wounding
29636	F2r12,PAR3	coagulation factor II (thrombin) receptor-like 2	GO:0009611	response to wounding
81809	Tgfb2	transforming growth factor, beta 2	GO:0009611	response to wounding
304157	Nrip1,RIP140	nuclear receptor interacting protein 1	GO:0042974	retinoic acid receptor binding
497991	Med1,RGD1559552	mediator complex subunit 1	GO:0042974	retinoic acid receptor binding
362152	Hnrnpa3,Hnrpa3	heterogeneous nuclear ribonucleoprotein A3	GO:0051033	RNA transmembrane transporter activity
296925	Aass	aminoadipate-semialdehyde synthase	GO:0047131	saccharopine dehydrogenase (NAD+; L-glutamate-forming) activity
296925	Aass	aminoadipate-semialdehyde synthase	GO:0047130	saccharopine dehydrogenase (NADP+; L-lysine-forming) activity
114502	Pax3	paired box 3	GO:0003705	sequence-specific enhancer binding RNA polymerase II transcription factor activity
25640	Hnf1b,LF-B3,MGC93549,Tcf2,VHNF1	HNF1 homeobox B	GO:0003705	sequence-specific enhancer binding RNA polymerase II transcription factor activity
312936	Sox17	SRY (sex determining region Y)-box 17	GO:0003705	sequence-specific enhancer binding RNA polymerase II transcription factor activity
25267	APDGFR,PDGFACE,Pdgfra	platelet derived growth factor receptor, alpha polypeptide	GO:0048705	skeletal system morphogenesis
293960	Zfand5,Zfp216	zinc finger, AN1-type domain 5	GO:0048705	skeletal system morphogenesis
303399	Tbx4	T-box 4	GO:0048705	skeletal system morphogenesis

292536	Prpf31	PRP31 pre-mRNA processing factor 31 homolog (<i>S. cerevisiae</i>)	GO:0070990	snRNP binding
24934	Klrk1, NKG2D, Nkrp2	killer cell lectin-like receptor subfamily K, member 1	GO:0002223	stimulatory C-type lectin receptor signaling pathway
25376	Ambn	ameloblastin	GO:0030345	structural constituent of tooth enamel
497756	Si2, SUCIMAL	sucrase-isomaltase (alpha-glucosidase)	GO:0004575	sucrose alpha-glucosidase activity
25154	Pgr	progesterone receptor	GO:0060748	tertiary branching involved in mammary gland duct morphogenesis
306687	Hiatl1, RGD1308377	hippocampus abundant transcript-like 1	GO:0015904	tetracycline transport
316356	Mfsd9, RGD1562212	major facilitator superfamily domain containing 9	GO:0015904	tetracycline transport
306687	Hiatl1, RGD1308377	hippocampus abundant transcript-like 1	GO:0015520	tetracycline:hydrogen antiporter activity
316356	Mfsd9, RGD1562212	major facilitator superfamily domain containing 9	GO:0015520	tetracycline:hydrogen antiporter activity
114634	Six1	SIX homeobox 1	GO:0030878	thyroid gland development
81809	Tgfb2	transforming growth factor, beta 2	GO:0030878	thyroid gland development
286939	ACAM, Asam, CLMP, OI16	adipocyte-specific adhesion molecule	GO:0005923	tight junction
290789	Cldn23, MGC124737	claudin 23	GO:0005923	tight junction
292994	Tjp1, ZO-1	tight junction protein 1	GO:0005923	tight junction
306454	Cldn22	claudin 22	GO:0005923	tight junction
294503	Nodal	nodal homolog (mouse)	GO:0048729	tissue morphogenesis
25055	Chole, Chole2, LAL1, Lip1, Lipa	lipase A, lysosomal acid, cholesterol esterase	GO:0048771	tissue remodeling
81707	Mmp14, Mt1-mmp	matrix metalloproteinase 14 (membrane-inserted)	GO:0048771	tissue remodeling
114502	Pax3	paired box 3	GO:0016563	transcription activator activity
25154	Pgr	progesterone receptor	GO:0016563	transcription activator activity
25640	Hnf1b, LF-B3, MGC93549, Tcf2, VHNF1	HNF1 homeobox B	GO:0016563	transcription activator activity
29362	Tef	thyrotrophic embryonic factor	GO:0016563	transcription activator activity
29458	Neurod1	neurogenic differentiation 1	GO:0016563	transcription activator activity
303212	Zfp287, Znf287	zinc finger protein 287	GO:0016563	transcription activator activity
314787	Cep290, RGD1311640	centrosomal protein 290	GO:0016563	transcription activator activity
314930	FOG-2, Zfpm2	zinc finger protein, multitype 2	GO:0016563	transcription activator activity
497991	Med1, RGD1559552	mediator complex subunit 1	GO:0016563	transcription activator activity
499883	Gabpb12, RGD1560391	GA binding protein transcription factor, beta subunit 1	GO:0016563	transcription activator activity
114634	Six1	SIX homeobox 1	GO:0005667	transcription factor complex
116544	Pou2f3	POU class 2 homeobox 3	GO:0005667	transcription factor complex
25640	Hnf1b, LF-B3, MGC93549, Tcf2, VHNF1	HNF1 homeobox B	GO:0005667	transcription factor complex
312936	Sox17	SRY (sex determining region Y)-box 17	GO:0005667	transcription factor complex
361178	MGC112830	similar to transcription factor	GO:0005667	transcription factor complex
362533	MGC189561, Tle1	transducin-like enhancer of split 1 (E(sp1) homolog, <i>Drosophila</i>)	GO:0005667	transcription factor complex
81758	Rb2, Rb12	retinoblastoma-like 2	GO:0005667	transcription factor complex
291549	RGD1304731	similar to RIKEN cDNA 5330437102 gene	GO:0016747	transferase activity; transferring acyl groups other than amino-acyl groups
498728	Elovl2	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 2	GO:0016747	transferase activity; transferring acyl groups other than amino-acyl groups
294503	Nodal	nodal homolog (mouse)	GO:0090010	transforming growth factor beta receptor signaling pathway involved in primitive streak formation
116631	Nat11	N-acetyltransferase 1 (arylamine N-acetyltransferase)	GO:0030371	translation repressor activity
305826	Samd4, Samd4a	sterile alpha motif domain containing 4A	GO:0030371	translation repressor activity
292536	Prpf31	PRP31 pre-mRNA processing factor 31 homolog (<i>S. cerevisiae</i>)	GO:0046540	U4/U6 x U5 tri-snRNP complex
25640	Hnf1b, LF-B3, MGC93549, Tcf2, VHNF1	HNF1 homeobox B	GO:0060677	ureteric bud elongation
293960	Zfand5, Zfp216	zinc finger, AN1-type domain 5	GO:0001944	vasculature development
294503	Nodal	nodal homolog (mouse)	GO:0001944	vasculature development
81707	Mmp14, Mt1-mmp	matrix metalloproteinase 14 (membrane-inserted)	GO:0031638	zymogen activation