

enriched genes FLX03

Entrez	Symbols	Name	TermID	TermDesc
24159	ACL,Acly,Clatp,MGC124629	ATP citrate lyase	GO:0006085	acetyl-CoA biosynthetic process
85239	Mcd,Mlycd	malonyl-CoA decarboxylase	GO:0006085	acetyl-CoA biosynthetic process
24174	Adra2b	adrenergic, alpha-2B-, receptor	GO:0071875	adrenergic receptor signaling pathway
24176	Adrb2	adrenergic, beta-2-, receptor, surface	GO:0071875	adrenergic receptor signaling pathway
301254	Aars2,Aarsl,AlaRS	alanyl-tRNA synthetase 2, mitochondrial (putative)	GO:0004813	alanine-tRNA ligase activity
619440	Aarsd1	alanyl-tRNA synthetase domain containing 1	GO:0004813	alanine-tRNA ligase activity
301254	Aars2,Aarsl,AlaRS	alanyl-tRNA synthetase 2, mitochondrial (putative)	GO:0006419	alanyl-tRNA aminoacylation
619440	Aarsd1	alanyl-tRNA synthetase domain containing 1	GO:0006419	alanyl-tRNA aminoacylation
24392	Cx43,Gja1,MGC93610	gap junction protein, alpha 1	GO:0015867	ATP transport
85333	Ant1,Slc25a4	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 4	GO:0015867	ATP transport
116673	Sdc3	syndecan 3	GO:0030424	axon
24176	Adrb2	adrenergic, beta-2-, receptor, surface	GO:0030424	axon
24316	D1a,Drd-1,Drd11,Drd1a	dopamine receptor D1A	GO:0030424	axon
24590	CD10,MGC93576,Mme1,Nep	membrane metallo endopeptidase	GO:0030424	axon
25269	PALB1,Pva,Pvalb	parvalbumin	GO:0030424	axon
29571	Na(V)1.8,PN3,Scn10a	sodium channel, voltage-gated, type X, alpha subunit	GO:0030424	axon
303882	MGC94214,Tnk2	tyrosine kinase, non-receptor, 2	GO:0030424	axon
362750	At11,MGC109404,Spg3a	atlastin GTPase 1	GO:0030424	axon
497770	Scn2a2,Nav1.3,SCIII,Scn3a	sodium channel, voltage-gated, type III, alpha	GO:0030424	axon
497815	Nrcam	neuronal cell adhesion molecule	GO:0030424	axon
50864	Hnt,Ntm,RNU16845	neurotrimin	GO:0030424	axon
79212	Gabt1,Slc6a1	solute carrier family 6 (neurotransmitter transporter, GABA), member 1	GO:0030424	axon
81678	Itpr2	inositol 1,4,5-triphosphate receptor, type 2	GO:0030424	axon
81818	Vim	vimentin	GO:0030424	axon
315348	Hem1,Nckap1l	NCK associated protein 1 like	GO:0001782	B cell homeostasis
65146	Lilrb31,NILR-1,Pirb1	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member	GO:0001782	B cell homeostasis
84351	AIM-1,IKK2,Ikkkb	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta	GO:0001782	B cell homeostasis
25023	Pkcb,Prkcb,Prkcb1	protein kinase C, beta	GO:0050853	B cell receptor signaling pathway
25155	Syk,p72syk	spleen tyrosine kinase	GO:0050853	B cell receptor signaling pathway
295378	RGD1565941,Vav3	vav 3 guanine nucleotide exchange factor	GO:0050853	B cell receptor signaling pathway
311658	Nfatc2	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 2	GO:0050853	B cell receptor signaling pathway
315348	Hem1,Nckap1l	NCK associated protein 1 like	GO:0050853	B cell receptor signaling pathway
24316	D1a,Drd-1,Drd11,Drd1a	dopamine receptor D1A	GO:0007610	behavior
24398	Gls,Glut,RATGLUT	glutaminase	GO:0007610	behavior
289584	RGD1564808,Usp46	ubiquitin specific peptidase 46	GO:0007610	behavior
84587	Plcl1	phospholipase C-like 1	GO:0007610	behavior
24590	CD10,MGC93576,Mme1,Nep	membrane metallo endopeptidase	GO:0050435	beta-amyloid metabolic process
25700	INSDEGM,Idc	insulin degrading enzyme	GO:0050435	beta-amyloid metabolic process
498492	Ccnb1ip1	cyclin B1 interacting protein 1	GO:0001825	blastocyst formation
64476	HSG,Mfn2	mitofusin 2	GO:0001825	blastocyst formation
114090	Egr2,Krox20	early growth response 2	GO:0035284	brain segmentation
54264	Krml1,Mafb,b-maf	v-maf musculoaponeurotic fibrosarcoma oncogene homolog B (avian)	GO:0035284	brain segmentation
116631	Nat11	N-acetyltransferase 1 (arylamine N-acetyltransferase)	00232	Caffeine metabolism
24297	CYPD45,Cyp1a2,P-450d,RATC	cytochrome P450, family 1, subfamily a, polypeptide 2	00232	Caffeine metabolism
24299	Cyp2a3,Cyp2a3a,RATCYP2A3	cytochrome P450, family 2, subfamily a, polypeptide 3	00232	Caffeine metabolism
116741	Cnr12,MGC93781,Pcdha4	protocadherin alpha 4	GO:0005509	calcium ion binding

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117087	Stim2	stromal interaction molecule 2	GO:0005509	calcium ion binding
170808	CL-2',Capn8,ClS4,nCL-2	calpain 8	GO:0005509	calcium ion binding
245963	Egfl7,MGC93163	EGF-like-domain, multiple 7	GO:0005509	calcium ion binding
24791	Sparc	secreted protein, acidic, cysteine-rich (osteonectin)	GO:0005509	calcium ion binding
24805	RATSYNII,SYNII,Syt2	synaptotagmin II	GO:0005509	calcium ion binding
25269	PALB1,Pva,Pvalb	parvalbumin	GO:0005509	calcium ion binding
25481	Mmp11,ST3	matrix metalloproteinase 11	GO:0005509	calcium ion binding
25696	Vldlr	very low density lipoprotein receptor	GO:0005509	calcium ion binding
25738	PPLCA,Plcg1	phospholipase C, gamma 1	GO:0005509	calcium ion binding
290527	Anxa11	annexin A11	GO:0005509	calcium ion binding
291180	Epdr1,Epdr2,MERP2,MGC94	ependymin related protein 1 (zebrafish)	GO:0005509	calcium ion binding
29209	Casq2	calsequestrin 2 (cardiac muscle)	GO:0005509	calcium ion binding
29216	Lrp2	low density lipoprotein-related protein 2	GO:0005509	calcium ion binding
293937	Pkd2l1	polycystic kidney disease 2-like 1	GO:0005509	calcium ion binding
294900	PrLZ,Tpd52	tumor protein D52	GO:0005509	calcium ion binding
29693	Atp2a2,Serca2,Sercall	ATPase, Ca++ transporting, cardiac muscle, slow twitch 2	GO:0005509	calcium ion binding
29748	Ppp3r1	protein phosphatase 3, regulatory subunit B, alpha isoform	GO:0005509	calcium ion binding
303606	Ccdc47,RGD1308813	coiled-coil domain containing 47	GO:0005509	calcium ion binding
304645	RGD1308221,Tbc1d9	TBC1 domain family, member 9	GO:0005509	calcium ion binding
305604	Efemp1,T16	EGF-containing fibulin-like extracellular matrix protein 1	GO:0005509	calcium ion binding
306081	Pcdh20	protocadherin 20	GO:0005509	calcium ion binding
360627	Fkbp10	FK506 binding protein 10	GO:0005509	calcium ion binding
393088	Pcdha6,rCNRv06	protocadherin alpha 6	GO:0005509	calcium ion binding
393089	Pcdha7,rCNRv07	protocadherin alpha 7	GO:0005509	calcium ion binding
393092	Pcdhac2,rCNRvc2	protocadherin alpha subfamily C, 2	GO:0005509	calcium ion binding
494125	Rem12,Rcn3,Rlp49	reticulocalbin 3, EF-hand calcium binding domain	GO:0005509	calcium ion binding
499847	Prrg4,RGD1560542	proline rich Gla (G-carboxyglutamic acid) 4 (transmembrane)	GO:0005509	calcium ion binding
54248	Dagk,Dgkb	diacylglycerol kinase, beta	GO:0005509	calcium ion binding
54705	Pdp1,Ppm2c	pyruvate dehydrogenase phosphatase catalytic subunit 1	GO:0005509	calcium ion binding
58982	Cspg3,Ncan	neurocan	GO:0005509	calcium ion binding
64023	Masp1,Masp1/3,Masp3	mannan-binding lectin serine peptidase 1	GO:0005509	calcium ion binding
64440	Syt4	synaptotagmin IV	GO:0005509	calcium ion binding
65048	Fat2,Fath2	FAT tumor suppressor homolog 2 (Drosophila)	GO:0005509	calcium ion binding
84587	Plcl1	phospholipase C-like 1	GO:0005509	calcium ion binding
24176	Adrb2	adrenergic, beta-2-, receptor, surface	04020	Calcium signaling pathway
24316	D1a,Drd-1,Drd11,Drd1a	dopamine receptor D1A	04020	Calcium signaling pathway
25023	Pkcb,Prkcb,Prkcb1	protein kinase C, beta	04020	Calcium signaling pathway
25391	Atp2a3,SERCA3	ATPase, Ca++ transporting, ubiquitous	04020	Calcium signaling pathway
25439	F2r,MGC93622,Par1,TRGPC	coagulation factor II (thrombin) receptor	04020	Calcium signaling pathway
25738	PPLCA,Plcg1	phospholipase C, gamma 1	04020	Calcium signaling pathway
288057	Mylk	myosin light chain kinase	04020	Calcium signaling pathway
29598	Atp2b1,Pmca1a,Pmca1b,Pmc	ATPase, Ca++ transporting, plasma membrane 1	04020	Calcium signaling pathway
29693	Atp2a2,Serca2,Sercall	ATPase, Ca++ transporting, cardiac muscle, slow twitch 2	04020	Calcium signaling pathway
29748	Ppp3r1	protein phosphatase 3, regulatory subunit B, alpha isoform	04020	Calcium signaling pathway
50672	Ednra2,Ednrb,Etb	endothelin receptor type B	04020	Calcium signaling pathway
81678	Itpr2	inositol 1,4,5-triphosphate receptor, type 2	04020	Calcium signaling pathway
85333	Ant1,Slc25a4	solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 4	04020	Calcium signaling pathway

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25391	Atp2a3,SERCA3	ATPase, Ca ⁺⁺ transporting, ubiquitous	GO:0005388	calcium-transporting ATPase activity
29598	Atp2b1,Pmca1a,Pmca1b,Pmca1c	ATPase, Ca ⁺⁺ transporting, plasma membrane 1	GO:0005388	calcium-transporting ATPase activity
29693	Atp2a2,Serca2,Sercall	ATPase, Ca ⁺⁺ transporting, cardiac muscle, slow twitch 2	GO:0005388	calcium-transporting ATPase activity
25094	Mitf	microphthalmia-associated transcription factor	GO:0043010	camera-type eye development
29458	Neurod1	neurogenic differentiation 1	GO:0043010	camera-type eye development
680102	Mab21l2	mab-21-like 2 (C. elegans)	GO:0043010	camera-type eye development
84399	lhh	Indian hedgehog	GO:0043010	camera-type eye development
117544	Atase,MGC93251,Ppat	phosphoribosyl pyrophosphate amidotransferase	GO:0032869	cellular response to insulin stimulus
24316	D1a,Drd-1,Drd11,Drd1a	dopamine receptor D1A	GO:0032869	cellular response to insulin stimulus
25373	Aa2-066,Ahsg,pp63	alpha-2-HS-glycoprotein	GO:0032869	cellular response to insulin stimulus
25696	Vldlr	very low density lipoprotein receptor	GO:0032869	cellular response to insulin stimulus
64194	Insig1	insulin induced gene 1	GO:0032869	cellular response to insulin stimulus
81816	HR6B,Ube2b	ubiquitin-conjugating enzyme E2B (RAD6 homolog, S. cerevisiae)	GO:0032869	cellular response to insulin stimulus
84006	Prkci2,Pkcl	protein kinase C, iota	GO:0032869	cellular response to insulin stimulus
85428	Rhoq,Tc10	ras homolog gene family, member Q	GO:0032869	cellular response to insulin stimulus
24316	D1a,Drd-1,Drd11,Drd1a	dopamine receptor D1A	GO:0021853	cerebral cortex GABAergic interneuron migration
311901	Lhx6	LIM homeobox 6	GO:0021853	cerebral cortex GABAergic interneuron migration
498492	Ccnb1ip1	cyclin B1 interacting protein 1	GO:0051026	chiasma assembly
81816	HR6B,Ube2b	ubiquitin-conjugating enzyme E2B (RAD6 homolog, S. cerevisiae)	GO:0051026	chiasma assembly
294408	Asf1a	ASF1 anti-silencing function 1 homolog A (S. cerevisiae)	GO:0006333	chromatin assembly or disassembly
314205	Arid4a	AT rich interactive domain 4A (Rbp1 like)	GO:0006333	chromatin assembly or disassembly
364785	Suv39h2	suppressor of variegation 3-9 homolog 2 (Drosophila)	GO:0006333	chromatin assembly or disassembly
81005	Npr,Nptxr	neuronal pentraxin receptor	GO:0006333	chromatin assembly or disassembly
116728	5-Sep,CDCrel-1A,Pnutl1,Sept	septin 5	GO:0032154	cleavage furrow
294074	Cep55,MGC116160,RGD1305	centrosomal protein 55kDa	GO:0032154	cleavage furrow
81830	Rab11a	RAB11a, member RAS oncogene family	GO:0032154	cleavage furrow
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
25283	Gclc,Glclc,MGC93096	glutamate-cysteine ligase, catalytic subunit	GO:0006534	cysteine metabolic process
81718	Cdo1	cysteine dioxygenase, type I	GO:0006534	cysteine metabolic process
100125373	MGC93828,Pnrc2	proline-rich nuclear receptor coactivator 2	GO:0000932	cytoplasmic mRNA processing body
361554	Lsm14a,RGD1305695	LSM14A, SCD6 homolog A (S. cerevisiae)	GO:0000932	cytoplasmic mRNA processing body
85265	Jub,MGC93830	jub, ajuba homolog (Xenopus laevis)	GO:0000932	cytoplasmic mRNA processing body
310685	Polr3c	polymerase (RNA) III (DNA directed) polypeptide C	04623	Cytosolic DNA-sensing pathway
311487	Polr3f	polymerase (RNA) III (DNA directed) polypeptide F	04623	Cytosolic DNA-sensing pathway
361749	Il33,RGD1311155	interleukin 33	04623	Cytosolic DNA-sensing pathway
366277	MGC109430,Polr3k	polymerase (RNA) III (DNA directed) polypeptide K	04623	Cytosolic DNA-sensing pathway
685465	Polr3g	polymerase (RNA) III (DNA directed) polypeptide G	04623	Cytosolic DNA-sensing pathway
84351	AIM-1,IKK2,Ikkbb	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta	04623	Cytosolic DNA-sensing pathway
24398	Gls,Glut,RATGLUT	glutaminase	00471	D-Glutamine and D-glutamate metabolism
24399	Ac2-281,Glud,Glud1,MGC938	glutamate dehydrogenase 1	00471	D-Glutamine and D-glutamate metabolism
24316	D1a,Drd-1,Drd11,Drd1a	dopamine receptor D1A	GO:0021542	dentate gyrus development
29458	Neurod1	neurogenic differentiation 1	GO:0021542	dentate gyrus development
499380	Emx2,RGD1564797	empty spiracles homeobox 2	GO:0021542	dentate gyrus development
114090	Egr2,Krox20	early growth response 2	GO:0003677	DNA binding
116544	Pou2f3	POU class 2 homeobox 3	GO:0003677	DNA binding

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117107	Lrf,OCZF,Zbtb7,Zbtb7a	zinc finger and BTB domain containing 7a	GO:0003677	DNA binding
117282	Csbp,Hnrnpk,Hnrpk	heterogeneous nuclear ribonucleoprotein K	GO:0003677	DNA binding
117526	MGC93994,TFIID,Tbp	TATA box binding protein	GO:0003677	DNA binding
24356	Ets-11,Ets1,Etsoncb,MGC124	v-ets erythroblastosis virus E26 oncogene homolog 1 (avian)	GO:0003677	DNA binding
24508	Irf1	interferon regulatory factor 1	GO:0003677	DNA binding
246760	Mafk	v-maf musculoaponeurotic fibrosarcoma oncogene homolog K (avian)	GO:0003677	DNA binding
25094	Mitf	microphthalmia-associated transcription factor	GO:0003677	DNA binding
266680	Nzf3,St18,r-Myt3	suppression of tumorigenicity 18	GO:0003677	DNA binding
288105	RGD1560387,Zbtb20	zinc finger and BTB domain containing 20	GO:0003677	DNA binding
288718	Tfip11	tuftelin interacting protein 11	GO:0003677	DNA binding
29344	Berg36,Brf11,ERF1,TIS11b,Zf	zinc finger protein 36, C3H type-like 1	GO:0003677	DNA binding
29357	MGC156656,Madh2,Smad2	SMAD family member 2	GO:0003677	DNA binding
294071	Hells,Tbc1d12	helicase, lymphoid specific	GO:0003677	DNA binding
29458	Neurod1	neurogenic differentiation 1	GO:0003677	DNA binding
295965	Ehf	ets homologous factor	GO:0003677	DNA binding
296271	Ab2-390,Npn3,Srxn1	sulfiredoxin 1 homolog (S. cerevisiae)	GO:0003677	DNA binding
297804	MGC94626,Plag1	pleiomorphic adenoma gene 1	GO:0003677	DNA binding
298894	Mycn,N-myc,Nmuc1,Nmyc	v-myc myelocytomatosis viral related oncogene, neuroblastoma derived (avian)	GO:0003677	DNA binding
303214	MGC93671,Trim16	tripartite motif-containing 16	GO:0003677	DNA binding
303399	Tbx4	T-box 4	GO:0003677	DNA binding
303836	Bcl6	B-cell CLL/lymphoma 6	GO:0003677	DNA binding
304302	Zfp469	zinc finger protein 469	GO:0003677	DNA binding
304947	Pbx1	pre-B-cell leukemia homeobox 1	GO:0003677	DNA binding
306274	Ercc6	excision repair cross-complementing rodent repair deficiency, complementation group 6	GO:0003677	DNA binding
306571	Moz,Myst3,Runxpb2,Znf220	MYST histone acetyltransferase (monocytic leukemia) 3	GO:0003677	DNA binding
309859	Scml4	sex comb on midleg-like 4 (Drosophila)	GO:0003677	DNA binding
309888	MGC189161,Sim1	single-minded homolog 1 (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
310685	Polr3c	polymerase (RNA) III (DNA directed) polypeptide C	GO:0003677	DNA binding
311487	Polr3f	polymerase (RNA) III (DNA directed) polypeptide F	GO:0003677	DNA binding
311658	Nfatc2	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 2	GO:0003677	DNA binding
311909	Mnab,Rc3h2	ring finger and CCCH-type zinc finger domains 2	GO:0003677	DNA binding
313557	Hivp3	human immunodeficiency virus type I enhancer binding protein 3	GO:0003677	DNA binding
314205	Arid4a	AT rich interactive domain 4A (Rbp1 like)	GO:0003677	DNA binding
315073	Jrk	jerky homolog (mouse)	GO:0003677	DNA binding
315804	Rfx7,Rfxdc2	regulatory factor X, 7	GO:0003677	DNA binding
360389	Kox15,Krox-25,MGC105332,Z	zinc finger protein 422	GO:0003677	DNA binding
361843	Prg32,Aifm2,Amid	apoptosis-inducing factor, mitochondrion-associated 2	GO:0003677	DNA binding
362481	Tox	thymocyte selection-associated high mobility group box	GO:0003677	DNA binding
362813	MGC125161,Obfc2b,RGD130	oligonucleotide/oligosaccharide-binding fold containing 2B	GO:0003677	DNA binding
362871	Elk3	ELK3, ETS-domain protein	GO:0003677	DNA binding
363035	Btbd15,MGC125242,RGD130	zinc finger and BTB domain containing 44	GO:0003677	DNA binding
364081	Irf6	interferon regulatory factor 6	GO:0003677	DNA binding
367034	Zfp4261,Zfp426l	zinc finger protein 426-like	GO:0003677	DNA binding
497984	MGC156681,RGD1566329,Zfj	zinc finger protein 652	GO:0003677	DNA binding

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499510	Spz1	spermatogenic leucine zipper 1	GO:0003677	DNA binding
499617	MGC112861,Rfxap	regulatory factor X-associated protein	GO:0003677	DNA binding
54264	Krml,Mafb,b-maf	v-maf musculoaponeurotic fibrosarcoma oncogene homolog B (avian)	GO:0003677	DNA binding
81758	Rb2,Rbl2	retinoblastoma-like 2	GO:0003677	DNA binding
81819	MGC93376,Pax8	paired box 8	GO:0003677	DNA binding
84350	Dnmt1	DNA (cytosine-5-)-methyltransferase 1	GO:0003677	DNA binding
84410	Bteb2,IKLF,Klf5,bteb2	Kruppel-like factor 5	GO:0003677	DNA binding
84481	Arid4b,Bcaa	AT rich interactive domain 4B (Rbp1 like)	GO:0003677	DNA binding
24176	Adrb2	adrenergic, beta-2-, receptor, surface	GO:0035240	dopamine binding
24316	D1a,Drd-1,Drd11,Drd1a	dopamine receptor D1A	GO:0035240	dopamine binding
24316	D1a,Drd-1,Drd11,Drd1a	dopamine receptor D1A	GO:0015872	dopamine transport
29504	Slc22a3	solute carrier family 22 (extraneuronal monoamine transporter), member 3	GO:0015872	dopamine transport
117029	Ccr5,Ckr5,Cmkbr5	chemokine (C-C motif) receptor 5	04144	Endocytosis
24176	Adrb2	adrenergic, beta-2-, receptor, surface	04144	Endocytosis
25096	Pld1,Pld1a,Pld1b,Plda,Pldb	phospholipase D1	04144	Endocytosis
25097	Pld2,Pldc	phospholipase D2	04144	Endocytosis
25439	F2r,MGC93622,Par1,TRGPC	coagulation factor II (thrombin) receptor	04144	Endocytosis
288779	Rab5b	RAB5B, member RAS oncogene family	04144	Endocytosis
29357	MGC156656,Madh2,Smad2	SMAD family member 2	04144	Endocytosis
29591	MGC93659,Tgfbr1	transforming growth factor, beta receptor 1	04144	Endocytosis
297995	Chmp5,RGD1305968	chromatin modifying protein 5	04144	Endocytosis
304546	Git2,MGC94099	G protein-coupled receptor kinase interacting ArfGAP 2	04144	Endocytosis
311848	MGC105723,Sh3glb2	SH3-domain GRB2-like endophilin B2	04144	Endocytosis
360605	Epn3	epsin 3	04144	Endocytosis
362162	Arfgap2,MGC124884,Zfp289	ADP-ribosylation factor GTPase activating protein 2	04144	Endocytosis
365024	Chmp1a,Pcoln3	chromatin modifying protein 1A	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
60460	Hspa21,Hspt70,Hst70,MGC93659	heat shock protein alpha 2	04144	Endocytosis
81830	Rab11a	RAB11a, member RAS oncogene family	04144	Endocytosis
84006	Prkci2,Pkcl	protein kinase C, iota	04144	Endocytosis
24174	Adra2b	adrenergic, alpha-2B-, receptor	GO:0051379	epinephrine binding
24176	Adrb2	adrenergic, beta-2-, receptor, surface	GO:0051379	epinephrine binding
117185	Neu3	sialidase 3 (membrane sialidase)	GO:0004308	exo-alpha-sialidase activity
316642	Neu4	sialidase 4	GO:0004308	exo-alpha-sialidase activity
25023	Pkcb,Prkcb,Prkcb1	protein kinase C, beta	04666	Fc gamma R-mediated phagocytosis
25096	Pld1,Pld1a,Pld1b,Plda,Pldb	phospholipase D1	04666	Fc gamma R-mediated phagocytosis
25097	Pld2,Pldc	phospholipase D2	04666	Fc gamma R-mediated phagocytosis
25155	Syk,p72syk	spleen tyrosine kinase	04666	Fc gamma R-mediated phagocytosis
25734	Hck,Hctk	hemopoietic cell kinase	04666	Fc gamma R-mediated phagocytosis
25738	PPLCA,Plcg1	phospholipase C, gamma 1	04666	Fc gamma R-mediated phagocytosis
29524	Limk2,Limk2b,Link2	LIM domain kinase 2	04666	Fc gamma R-mediated phagocytosis
295378	RGD1565941,Vav3	vav 3 guanine nucleotide exchange factor	04666	Fc gamma R-mediated phagocytosis
296710	Arpc5l,MGC112865	actin related protein 2/3 complex, subunit 5-like	04666	Fc gamma R-mediated phagocytosis
297518	Arpc4	actin related protein 2/3 complex, subunit 4	04666	Fc gamma R-mediated phagocytosis
54227	Arpc1b	actin related protein 2/3 complex, subunit 1B	04666	Fc gamma R-mediated phagocytosis
365024	Chmp1a,Pcoln3	chromatin modifying protein 1A	GO:0016458	gene silencing

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84350	Dnmt1	DNA (cytosine-5-)-methyltransferase 1	GO:0016458	gene silencing
25283	Gclc,Glclc,MGC93096	glutamate-cysteine ligase, catalytic subunit	GO:0006750	glutathione biosynthetic process
25458	Gss	glutathione synthetase	GO:0006750	glutathione biosynthetic process
25482	Mras	muscle RAS oncogene homolog	GO:0030742	GTP-dependent protein binding
288779	Rab5b	RAB5B, member RAS oncogene family	GO:0030742	GTP-dependent protein binding
303141	Rapgef6	Rap guanine nucleotide exchange factor (GEF) 6	GO:0030742	GTP-dependent protein binding
362799	Mrgef,RGD1562891,Rapgef5	Rap guanine nucleotide exchange factor (GEF) 5	GO:0030742	GTP-dependent protein binding
259237	Dock9,Trg	dedicator of cytokinesis 9	GO:0051020	GTPase binding
309081	Dock1,RGD1566072	dedicator of cyto-kinesis 1	GO:0051020	GTPase binding
64476	HSG,Mfn2	mitofusin 2	GO:0051020	GTPase binding
259237	Dock9,Trg	dedicator of cytokinesis 9	GO:0005085	guanyl-nucleotide exchange factor activity
295378	RGD1565941,Vav3	vav 3 guanine nucleotide exchange factor	GO:0005085	guanyl-nucleotide exchange factor activity
29622	Ralgds,Rgds	ral guanine nucleotide dissociation stimulator	GO:0005085	guanyl-nucleotide exchange factor activity
303141	Rapgef6	Rap guanine nucleotide exchange factor (GEF) 6	GO:0005085	guanyl-nucleotide exchange factor activity
309081	Dock1,RGD1566072	dedicator of cyto-kinesis 1	GO:0005085	guanyl-nucleotide exchange factor activity
310635	Arhgef2,MGC95068	rho/rac guanine nucleotide exchange factor (GEF) 2	GO:0005085	guanyl-nucleotide exchange factor activity
361223	Fgd3	FYVE, RhoGEF and PH domain containing 3	GO:0005085	guanyl-nucleotide exchange factor activity
362799	Mrgef,RGD1562891,Rapgef5	Rap guanine nucleotide exchange factor (GEF) 5	GO:0005085	guanyl-nucleotide exchange factor activity
94193	Madd	MAP-kinase activating death domain	GO:0005085	guanyl-nucleotide exchange factor activity
299116	Sav1	salvador homolog 1 (Drosophila)	GO:0035329	hippo signaling cascade
305922	Lats2	large tumor suppressor 2	GO:0035329	hippo signaling cascade
360920	Mobkl1a	MOB1, Mps One Binder kinase activator-like 1A (yeast)	GO:0035329	hippo signaling cascade
24392	Cx43,Gja1,MGC93610	gap junction protein, alpha 1	GO:0001701	in utero embryonic development
24851	Alpha-tm,Tma2,Tmsa,Tpm1	tropomyosin 1, alpha	GO:0001701	in utero embryonic development
25738	PPLCA,Plcg1	phospholipase C, gamma 1	GO:0001701	in utero embryonic development
29357	MGC156656,Madh2,Smad2	SMAD family member 2	GO:0001701	in utero embryonic development
29591	MGC93659,Tgfb1	transforming growth factor, beta receptor 1	GO:0001701	in utero embryonic development
303586	Wnt9b	wingless-type MMTV integration site family, member 9B	GO:0001701	in utero embryonic development
304714	RGD1305001,Rrn3	RRN3 RNA polymerase I transcription factor homolog (S. cerevisiae)	GO:0001701	in utero embryonic development
306347	Ell	elongation factor RNA polymerase II	GO:0001701	in utero embryonic development
308415	Ercc2	excision repair cross-complementing rodent repair deficiency, complementation group 2	GO:0001701	in utero embryonic development
309871	Prdm1	PR domain containing 1, with ZNF domain	GO:0001701	in utero embryonic development
315139	Map3k7ip1,Tab1	mitogen-activated protein kinase kinase kinase 7 interacting protein 1	GO:0001701	in utero embryonic development
498003	Dusp32,MGC189429,RGD156	dual specificity phosphatase 3	GO:0001701	in utero embryonic development
689890	Sfrs1,Srsf1	splicing factor, arginine/serine-rich 1	GO:0001701	in utero embryonic development
81816	HR6B,Ube2b	ubiquitin-conjugating enzyme E2B (RAD6 homolog, S. cerevisiae)	GO:0001701	in utero embryonic development
84399	Ihh	Indian hedgehog	GO:0001701	in utero embryonic development
315139	Map3k7ip1,Tab1	mitogen-activated protein kinase kinase kinase 7 interacting protein 1	GO:0019209	kinase activator activity
360920	Mobkl1a	MOB1, Mps One Binder kinase activator-like 1A (yeast)	GO:0019209	kinase activator activity
24392	Cx43,Gja1,MGC93610	gap junction protein, alpha 1	GO:0060174	limb bud formation
296787	MGC189535,Sema3c	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C	GO:0060174	limb bud formation
24316	D1a,Drd-1,Drd11,Drd1a	dopamine receptor D1A	GO:0060292	long term synaptic depression
25558	ANC18HA,Munc18-1,NSEC1A	syntaxin binding protein 1	GO:0060292	long term synaptic depression
84550	Nckx2,Slc24a2	solute carrier family 24 (sodium/potassium/calcium exchanger), member 2	GO:0060292	long term synaptic depression
24316	D1a,Drd-1,Drd11,Drd1a	dopamine receptor D1A	GO:0060291	long-term synaptic potentiation
84550	Nckx2,Slc24a2	solute carrier family 24 (sodium/potassium/calcium exchanger), member 2	GO:0060291	long-term synaptic potentiation
294071	Hells,Tbc1d12	helicase, lymphoid specific	GO:0010216	maintenance of DNA methylation

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84350	Dnmt1	DNA (cytosine-5-)-methyltransferase 1	GO:0010216	maintenance of DNA methylation
286994	Gpr48,Lgr4	leucine-rich repeat-containing G protein-coupled receptor 4	GO:0030539	male genitalia development
303586	Wnt9b	wingless-type MMTV integration site family, member 9B	GO:0030539	male genitalia development
316628	Asb1	ankyrin repeat and SOCS box-containing 1	GO:0030539	male genitalia development
299256	Cpsf2	cleavage and polyadenylation specific factor 2	GO:0005847	mRNA cleavage and polyadenylation specificity factor complex
304277	Cpsf4,MGC108785	cleavage and polyadenylation specific factor 4	GO:0005847	mRNA cleavage and polyadenylation specificity factor complex
100125370	MGC109551,Nadk	NAD kinase	GO:0003951	NAD+ kinase activity
365699	MGC125061,RGD1306809	similar to hypothetical protein FLJ30596	GO:0003951	NAD+ kinase activity
25096	Pld1,Pld1a,Pld1b,Plda,Pldb	phospholipase D1	GO:0070290	NAPE-specific phospholipase D activity
25097	Pld2,Pldc	phospholipase D2	GO:0070290	NAPE-specific phospholipase D activity
64023	Masp1,Masp1/3,Masp3	mannan-binding lectin serine peptidase 1	GO:0045916	negative regulation of complement activation
64036	Cd55,Daf,Daf1	Cd55 molecule	GO:0045916	negative regulation of complement activation
29357	MGC156656,Madh2,Smad2	SMAD family member 2	GO:0035265	organ growth
297804	MGC94626,Plag1	pleiomorphic adenoma gene 1	GO:0035265	organ growth
498492	Ccnb1ip1	cyclin B1 interacting protein 1	GO:0035265	organ growth
117185	Neu3	sialidase 3 (membrane sialidase)	00511	Other glycan degradation
303702	Engase,RGD1310868	endo-beta-N-acetylglucosaminidase	00511	Other glycan degradation
316642	Neu4	sialidase 4	00511	Other glycan degradation
25023	Pkcb,Prkcb,Prkcb1	protein kinase C, beta	04972	Pancreatic secretion
25289	ACVI,ADCYB,Adcy6	adenylate cyclase 6	04972	Pancreatic secretion
25390	Atp1b3,NKAB3S	ATPase, Na+/K+ transporting, beta 3 polypeptide	04972	Pancreatic secretion
25391	Atp2a3,SERCA3	ATPase, Ca++ transporting, ubiquitous	04972	Pancreatic secretion
29598	Atp2b1,Pmca1a,Pmca1b,Pmca1c	ATPase, Ca++ transporting, plasma membrane 1	04972	Pancreatic secretion
29693	Atp2a2,Serca2,Sercall	ATPase, Ca++ transporting, cardiac muscle, slow twitch 2	04972	Pancreatic secretion
311341	Pla2g4b	phospholipase A2, group IVB (cytosolic)	04972	Pancreatic secretion
81678	Itpr2	inositol 1,4,5-triphosphate receptor, type 2	04972	Pancreatic secretion
81830	Rab11a	RAB11a, member RAS oncogene family	04972	Pancreatic secretion
25734	Hck,Hctk	hemopoietic cell kinase	GO:0006909	phagocytosis
290527	Anxa11	annexin A11	GO:0006909	phagocytosis
361251	Elmo1	engulfment and cell motility 1	GO:0006909	phagocytosis
116728	5-Sep,CDCrel-1A,Pnutl1,Sept5	septin 5	GO:0035091	phosphatidylinositol binding
25096	Pld1,Pld1a,Pld1b,Plda,Pldb	phospholipase D1	GO:0035091	phosphatidylinositol binding
25097	Pld2,Pldc	phospholipase D2	GO:0035091	phosphatidylinositol binding
288504	Snx8	sorting nexin 8	GO:0035091	phosphatidylinositol binding
360725	Snx4	sorting nexin 4	GO:0035091	phosphatidylinositol binding
362738	Snx6	sorting nexin 6	GO:0035091	phosphatidylinositol binding
81678	Itpr2	inositol 1,4,5-triphosphate receptor, type 2	GO:0035091	phosphatidylinositol binding
25096	Pld1,Pld1a,Pld1b,Plda,Pldb	phospholipase D1	GO:0004630	phospholipase D activity
25097	Pld2,Pldc	phospholipase D2	GO:0004630	phospholipase D activity
291132	Gpld1	glycosylphosphatidylinositol specific phospholipase D1	GO:0004630	phospholipase D activity
25096	Pld1,Pld1a,Pld1b,Plda,Pldb	phospholipase D1	GO:0009395	phospholipid catabolic process
25097	Pld2,Pldc	phospholipase D2	GO:0009395	phospholipid catabolic process
25738	PPLCA,Plcg1	phospholipase C, gamma 1	GO:0009395	phospholipid catabolic process
311341	Pla2g4b	phospholipase A2, group IVB (cytosolic)	GO:0009395	phospholipid catabolic process
25155	Syk,p72syk	spleen tyrosine kinase	GO:0045579	positive regulation of B cell differentiation
309871	Prdm1	PR domain containing 1, with ZNF domain	GO:0045579	positive regulation of B cell differentiation
315348	Hem1,Nckap1l	NCK associated protein 1 like	GO:0045579	positive regulation of B cell differentiation

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295378	RGD1565941,Vav3	vav 3 guanine nucleotide exchange factor	GO:0030890	positive regulation of B cell proliferation
303836	Bcl6	B-cell CLL/lymphoma 6	GO:0030890	positive regulation of B cell proliferation
311658	Nfatc2	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 2	GO:0030890	positive regulation of B cell proliferation
315348	Hem1,Nckap1	NCK associated protein 1 like	GO:0030890	positive regulation of B cell proliferation
289231	Ncstn	nicastatin	GO:0043085	positive regulation of catalytic activity
303586	Wnt9b	wingless-type MMTV integration site family, member 9B	GO:0043085	positive regulation of catalytic activity
54705	Pdp1,Ppm2c	pyruvate dehydrogenase phosphatase catalytic subunit 1	GO:0043085	positive regulation of catalytic activity
25097	Pld2,Pldc	phospholipase D2	GO:0045785	positive regulation of cell adhesion
25317	Fgf1,HBGF-1,HBGF1	fibroblast growth factor 1	GO:0045785	positive regulation of cell adhesion
287454	Alox122,MGC187960	arachidonate 12-lipoxygenase	GO:0045785	positive regulation of cell adhesion
295378	RGD1565941,Vav3	vav 3 guanine nucleotide exchange factor	GO:0045785	positive regulation of cell adhesion
310685	Polr3c	polymerase (RNA) III (DNA directed) polypeptide C	GO:0045089	positive regulation of innate immune response
311487	Polr3f	polymerase (RNA) III (DNA directed) polypeptide F	GO:0045089	positive regulation of innate immune response
685465	Polr3g	polymerase (RNA) III (DNA directed) polypeptide G	GO:0045089	positive regulation of innate immune response
310685	Polr3c	polymerase (RNA) III (DNA directed) polypeptide C	GO:0032728	positive regulation of interferon-beta production
311487	Polr3f	polymerase (RNA) III (DNA directed) polypeptide F	GO:0032728	positive regulation of interferon-beta production
685465	Polr3g	polymerase (RNA) III (DNA directed) polypeptide G	GO:0032728	positive regulation of interferon-beta production
29142	MGC114385,Tiff66,Vnn1	vanin 1	GO:0033089	positive regulation of T cell differentiation in thymus
84399	Ihh	Indian hedgehog	GO:0033089	positive regulation of T cell differentiation in thymus
24297	CYPD45,Cyp1a2,P-450d,RATC	cytochrome P450, family 1, subfamily a, polypeptide 2	GO:0009791	post-embryonic development
29357	MGC156656,Madh2,Smad2	SMAD family member 2	GO:0009791	post-embryonic development
29360	Sepp1	selenoprotein P, plasma, 1	GO:0009791	post-embryonic development
29591	MGC93659,Tgfr1	transforming growth factor, beta receptor 1	GO:0009791	post-embryonic development
296787	MGC189535,Sema3c	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C	GO:0009791	post-embryonic development
303606	Ccdc47,RGD1308813	coiled-coil domain containing 47	GO:0009791	post-embryonic development
304074	Morc3,Zcwc3	MORC family CW-type zinc finger 3	GO:0009791	post-embryonic development
308415	Erc2	excision repair cross-complementing rodent repair deficiency, complementation group 2	GO:0009791	post-embryonic development
501121	Cfc1,RGD1562188	cripto, FRL-1, cryptic family 1	GO:0009791	post-embryonic development
117526	MGC93994,TFIID,Tbp	TATA box binding protein	GO:0045120	pronucleus
257649	Cenpf,Lek1	centromere protein F	GO:0045120	pronucleus
80846	Hnrnp1,Hnrpl,hnrnp-L	heterogeneous nuclear ribonucleoprotein L	GO:0045120	pronucleus
295378	RGD1565941,Vav3	vav 3 guanine nucleotide exchange factor	GO:0030676	Rac guanyl-nucleotide exchange factor activity
310635	Arhgef2,MGC95068	rho/rac guanine nucleotide exchange factor (GEF) 2	GO:0030676	Rac guanyl-nucleotide exchange factor activity
25317	Fgf1,HBGF-1,HBGF1	fibroblast growth factor 1	04810	Regulation of actin cytoskeleton
25439	F2r,MGC93622,Par1,TRGPC	coagulation factor II (thrombin) receptor	04810	Regulation of actin cytoskeleton
25482	Mras	muscle RAS oncogene homolog	04810	Regulation of actin cytoskeleton
288057	Mylk	myosin light chain kinase	04810	Regulation of actin cytoskeleton
29524	Limk2,Limk2b,Link2	LIM domain kinase 2	04810	Regulation of actin cytoskeleton
295378	RGD1565941,Vav3	vav 3 guanine nucleotide exchange factor	04810	Regulation of actin cytoskeleton
296710	Arpc5l,MGC112865	actin related protein 2/3 complex, subunit 5-like	04810	Regulation of actin cytoskeleton
297518	Arpc4	actin related protein 2/3 complex, subunit 4	04810	Regulation of actin cytoskeleton
309081	Dock1,RGD1566072	dedicator of cyto-kinesis 1	04810	Regulation of actin cytoskeleton
315348	Hem1,Nckap1	NCK associated protein 1 like	04810	Regulation of actin cytoskeleton
315744	Itga11	integrin, alpha 11	04810	Regulation of actin cytoskeleton
361223	Fgd3	FYVE, RhoGEF and PH domain containing 3	04810	Regulation of actin cytoskeleton
54227	Arpc1b	actin related protein 2/3 complex, subunit 1B	04810	Regulation of actin cytoskeleton
60464	Fgf16	fibroblast growth factor 16	04810	Regulation of actin cytoskeleton

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81531	Pfn2	profilin 2	04810	Regulation of actin cytoskeleton
296710	Arpc5l,MGC112865	actin related protein 2/3 complex, subunit 5-like	GO:0030833	regulation of actin filament polymerization
54227	Arpc1b	actin related protein 2/3 complex, subunit 1B	GO:0030833	regulation of actin filament polymerization
81531	Pfn2	profilin 2	GO:0030833	regulation of actin filament polymerization
117029	Ccr5,Ckr5,Cmkbr5	chemokine (C-C motif) receptor 5	GO:0031620	regulation of fever generation
50672	Ednra2,Ednrb,Etb	endothelin receptor type B	GO:0031620	regulation of fever generation
24297	CYPD45,Cyp1a2,P-450d,RATC	cytochrome P450, family 1, subfamily a, polypeptide 2	GO:0010468	regulation of gene expression
24508	Irf1	interferon regulatory factor 1	GO:0010468	regulation of gene expression
25094	Mitf	microphthalmia-associated transcription factor	GO:0010468	regulation of gene expression
29591	MGC93659,Tgfbr1	transforming growth factor, beta receptor 1	GO:0010468	regulation of gene expression
499380	Emx2,RGD1564797	empty spiracles homeobox 2	GO:0010468	regulation of gene expression
84350	Dnmt1	DNA (cytosine-5-)-methyltransferase 1	GO:0010468	regulation of gene expression
114636	Zyx	zyxin	GO:0050727	regulation of inflammatory response
25373	Aa2-066,Ahsg,pp63	alpha-2-HS-glycoprotein	GO:0050727	regulation of inflammatory response
303836	Bcl6	B-cell CLL/lymphoma 6	GO:0050727	regulation of inflammatory response
114090	Egr2,Krox20	early growth response 2	GO:0030278	regulation of ossification
304947	Pbx1	pre-B-cell leukemia homeobox 1	GO:0030278	regulation of ossification
79216	Gdf10	growth differentiation factor 10	GO:0030278	regulation of ossification
117107	Lrf,OCZF,Zbtb7,Zbtb7a	zinc finger and BTB domain containing 7a	GO:0045670	regulation of osteoclast differentiation
25094	Mitf	microphthalmia-associated transcription factor	GO:0045670	regulation of osteoclast differentiation
303836	Bcl6	B-cell CLL/lymphoma 6	GO:0005657	replication fork
81816	HR6B,Ube2b	ubiquitin-conjugating enzyme E2B (RAD6 homolog, <i>S. cerevisiae</i>)	GO:0005657	replication fork
84350	Dnmt1	DNA (cytosine-5-)-methyltransferase 1	GO:0005657	replication fork
29357	MGC156656,Madh2,Smad2	SMAD family member 2	GO:0070723	response to cholesterol
29591	MGC93659,Tgfbr1	transforming growth factor, beta receptor 1	GO:0070723	response to cholesterol
295378	RGD1565941,Vav3	vav 3 guanine nucleotide exchange factor	GO:0006974	response to DNA damage stimulus
300711	Atm	ataxia telangiectasia mutated homolog (human)	GO:0006974	response to DNA damage stimulus
303836	Bcl6	B-cell CLL/lymphoma 6	GO:0006974	response to DNA damage stimulus
306274	Ercc6	excision repair cross-complementing rodent repair deficiency, complementation group 6	GO:0006974	response to DNA damage stimulus
311658	Nfatc2	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 2	GO:0006974	response to DNA damage stimulus
312560	Xpc	xeroderma pigmentosum, complementation group C	GO:0006974	response to DNA damage stimulus
362813	MGC125161,Obfc2b,RGD130	oligonucleotide/oligosaccharide-binding fold containing 2B	GO:0006974	response to DNA damage stimulus
64394	PAG608,Wig1,Zmat3	zinc finger, matrix type 3	GO:0006974	response to DNA damage stimulus
81816	HR6B,Ube2b	ubiquitin-conjugating enzyme E2B (RAD6 homolog, <i>S. cerevisiae</i>)	GO:0006974	response to DNA damage stimulus
25283	Gclc,Glclc,MGC93096	glutamate-cysteine ligase, catalytic subunit	GO:0009410	response to xenobiotic stimulus
25458	Gss	glutathione synthetase	GO:0009410	response to xenobiotic stimulus
245926	Rbm16	RNA binding motif protein 16	GO:0070063	RNA polymerase binding
304714	RGD1305001,Rrn3	RRN3 RNA polymerase I transcription factor homolog (<i>S. cerevisiae</i>)	GO:0070063	RNA polymerase binding
360503	Luc7l	LUC7-like (<i>S. cerevisiae</i>)	GO:0050733	RS domain binding
689890	Sfrs1,Srsf1	splicing factor, arginine/serine-rich 1	GO:0050733	RS domain binding
24851	Alpha-tm,Tma2,Tmsa,Tpm1	tropomyosin 1, alpha	GO:0032587	ruffle membrane
310635	Arhgef2,MGC95068	rho/rac guanine nucleotide exchange factor (GEF) 2	GO:0032587	ruffle membrane
361992	RGD1304723,Them4	thioesterase superfamily member 4	GO:0032587	ruffle membrane
25317	Fgf1,HBGF-1,HBGF1	fibroblast growth factor 1	GO:0048155	S100 alpha binding
290527	Anxa11	annexin A11	GO:0048155	S100 alpha binding
29693	Atp2a2,Serca2,Sercall	ATPase, Ca ⁺⁺ transporting, cardiac muscle, slow twitch 2	GO:0048155	S100 alpha binding
29693	Atp2a2,Serca2,Sercall	ATPase, Ca ⁺⁺ transporting, cardiac muscle, slow twitch 2	GO:0033017	sarcoplasmic reticulum membrane

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81678	Itpr2	inositol 1,4,5-triphosphate receptor, type 2	GO:0033017	sarcoplasmic reticulum membrane
296787	MGC189535,Sema3c	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C	GO:0030215	semaphorin receptor binding
311384	Sema6d	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6D	GO:0030215	semaphorin receptor binding
294103	MGC189455,Papss2	3'-phosphoadenosine 5'-phosphosulfate synthase 2	GO:0000103	sulfate assimilation
60393	Sult-n,Sult1d1,Sultn	sulfotransferase family 1D, member 1	GO:0000103	sulfate assimilation
300886	MGC95139,Mthfs	5,10-methenyltetrahydrofolate synthetase (5-formyltetrahydrofolate cyclo-ligase)	GO:0046653	tetrahydrofolate metabolic process
81522	Mtr,methioninesynthase	5-methyltetrahydrofolate-homocysteine methyltransferase	GO:0046653	tetrahydrofolate metabolic process
289175	MGC124887,Slc19a2	solute carrier family 19 (thiamine transporter), member 2	GO:0042723	thiamine-containing compound metabolic process
680668	MGC188595,Tpk1	thiamin pyrophosphokinase 1	GO:0042723	thiamine-containing compound metabolic process
29416	Aadat,Kat2	aminoadipate aminotransferase	GO:0008483	transaminase activity
296188	RGD1310030,Sptlc3	serine palmitoyltransferase, long chain base subunit 3	GO:0008483	transaminase activity
301254	Aars2,Aarsl,AlaRS	alanyl-tRNA synthetase 2, mitochondrial (putative)	GO:0043039	tRNA aminoacylation
619440	Aarsd1	alanyl-tRNA synthetase domain containing 1	GO:0043039	tRNA aminoacylation