

enriched genes FLX07

Entrez	Symbols	Name	TermID	TermDesc
24950	MGC156498,S5AR 1,Srd5a1	steroid-5-alpha-reductase, alpha polypeptide 1 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 1)	GO:0003865	3-oxo-5-alpha-steroid 4-dehydrogenase activity
361191	Nsun2,RGD1311954	NOL1/NOP2/Sun domain family, member 2	GO:0003865	3-oxo-5-alpha-steroid 4-dehydrogenase activity
305291	RGD1308828,S5AR 3,Srd5a3	steroid 5 alpha-reductase 3	GO:0003865	3-oxo-5-alpha-steroid 4-dehydrogenase activity
311569	Acas2,Acss2	acyl-CoA synthetase short-chain family member 2	GO:0003987	acetate-CoA ligase activity
296259	Acas2L,Acss1	acyl-CoA synthetase short-chain family member 1	GO:0003987	acetate-CoA ligase activity
25288	ACS,Acas,Acs1,COAA,Faci2	acyl-CoA synthetase long-chain family member 1	GO:0003987	acetate-CoA ligase activity
114024	Acs3,AcsI3,Faci3	acyl-CoA synthetase long-chain family member 3	GO:0003987	acetate-CoA ligase activity
299002	G2e3,RGD1310263	G2/M-phase specific E3 ubiquitin ligase	GO:0016881	acid-amino acid ligase activity
361866	Hace1	HECT domain and ankyrin repeat containing, E3 ubiquitin protein ligase 1	GO:0016881	acid-amino acid ligase activity
316395	Hecw2	HECT, C2 and WW domain containing E3 ubiquitin protein ligase 2	GO:0016881	acid-amino acid ligase activity
309758	Herc4	hect domain and RLD 4	GO:0016881	acid-amino acid ligase activity
361815	MGC116114,Rnf8	ring finger protein 8	GO:0016881	acid-amino acid ligase activity
298576	Mul1,RGD1309944	mitochondrial ubiquitin ligase activator of NFKB 1	GO:0016881	acid-amino acid ligase activity
299197	RGD1307597	similar to mKIAA0317 protein	GO:0016881	acid-amino acid ligase activity
303614	RGD1310067,Smurf2	SMAD specific E3 ubiquitin protein ligase 2	GO:0016881	acid-amino acid ligase activity
362814	Rnf41	ring finger protein 41	GO:0016881	acid-amino acid ligase activity
117553	Uba3,Ube1c	ubiquitin-like modifier activating enzyme 3	GO:0016881	acid-amino acid ligase activity
25576	14-3-3e1,MGC93547,Ywhah	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, eta polypeptide	GO:0003779	actin binding
59317	4.1N,Epb4.1I1,Epb41I1	erythrocyte membrane protein band 4.1-like 1	GO:0003779	actin binding
360958	Ablim2	actin binding LIM protein family, member 2	GO:0003779	actin binding
25230	Add3	adducin 3 (gamma)	GO:0003779	actin binding
24851	Alpha-tm,Tma2,Tmsa,Tpm1	tropomyosin 1, alpha	GO:0003779	actin binding
301511	Arpc2	actin related protein 2/3 complex, subunit 2	GO:0003779	actin binding
360854	Arpc5,MGC116419	actin related protein 2/3 complex, subunit 5	GO:0003779	actin binding
64185	Cap1,MGC108691,Mch1	CAP, adenylate cyclase-associated protein 1 (yeast)	GO:0003779	actin binding
29324	Cappa3,Capza3	capping protein (actin filament) muscle Z-line, alpha 3	GO:0003779	actin binding
691149	Capza12	capping protein (actin filament) muscle Z-line, alpha 1	GO:0003779	actin binding
363062	Ccd1,Dixdc1	DIX domain containing 1	GO:0003779	actin binding
117029	Ccr5,Ckr5,Cmkbr5	chemokine (C-C motif) receptor 5	GO:0003779	actin binding
54321	Cnn3	calponin 3, acidic	GO:0003779	actin binding
259242	Cr16,Wipf3	WAS/WASL interacting protein family, member 3	GO:0003779	actin binding
60628	Cxcr4,MGC108696	chemokine (C-X-C motif) receptor 4	GO:0003779	actin binding
314212	Daam1	dishevelled associated activator of morphogenesis 1	GO:0003779	actin binding
502674	Dstn2	destrin	GO:0003779	actin binding
25566	E-Tmod,Tmod,Tmod1	tropomodulin 1	GO:0003779	actin binding
305391	Eg1,FKSG20,Med28,RGD130	mediator complex subunit 28	GO:0003779	actin binding
79115	Evl	Enah/Vasp-like	GO:0003779	actin binding
301737	Fer,Fert2,Flk,Flk_retired	fer (fms/fps related) protein kinase, testis specific 2	GO:0003779	actin binding
291964	Fhod1	formin homology 2 domain containing 1	GO:0003779	actin binding
306204	Flnb	filamin, beta	GO:0003779	actin binding
81661	Gmfb,MGC93372	glia maturation factor, beta	GO:0003779	actin binding
192154	Hip1	huntingtin interacting protein 1	GO:0003779	actin binding
313370	Hook1	hook homolog 1 (Drosophila)	GO:0003779	actin binding
65038	Inpp1,Ship2	inositol polyphosphate phosphatase-like 1	GO:0003779	actin binding
305332	Limch1,RGD1305269	LIM and calponin homology domains 1	GO:0003779	actin binding
25152	Map1a,Mtap1a	microtubule-associated protein 1A	GO:0003779	actin binding
29456	Map1b,Mtap1b	microtubule-associated protein 1B	GO:0003779	actin binding
315926	MGC189074,Pls1	plastin 1 (I isoform)	GO:0003779	actin binding
24779	MGC93554,Slc4a1	solute carrier family 4 (anion exchanger), member 1	GO:0003779	actin binding
298982	MGC93683,Maea	macrophage erythroblast attacher	GO:0003779	actin binding
315655	MGC95168,Rdx	radixin	GO:0003779	actin binding
362918	Mtss1	metastasis suppressor 1	GO:0003779	actin binding
192253	Myo16,Myr8	myosin XVI	GO:0003779	actin binding
65261	Myo1c2,Myr22	myosin IC	GO:0003779	actin binding
25484	MYR5,Myo1e,Myr3	myosin IE	GO:0003779	actin binding

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553106	Ncald	neurocalcin delta	GO:0003779	actin binding
81531	Pfn2	profilin 2	GO:0003779	actin binding
25122	Scnn1a	sodium channel, nonvoltage-gated 1 alpha	GO:0003779	actin binding
29211	Spnb3,Sptbn2	spectrin, beta, non-erythrocytic 2	GO:0003779	actin binding
117557	TM30nm,Tpm3,Tpm5	tropomyosin 3, gamma	GO:0003779	actin binding
305679	Vcl	vinculin	GO:0003779	actin binding
117538	Waspip,Wip,Wipf1	WAS/WASL interacting protein family, member 1	GO:0003779	actin binding
360950	Wdr1	WD repeat domain 1	GO:0003779	actin binding
63836	Actn4	actinin alpha 4	04520	Adherens junction
26955	Af6,Mllt4	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 4	04520	Adherens junction
307505	Catna1,Ctnna1,MGC93767	catenin (cadherin associated protein), alpha 1	04520	Adherens junction
297357	Catna2,Ctnna2	catenin (cadherin associated protein), alpha 2	04520	Adherens junction
83502	Cdh1	cadherin 1	04520	Adherens junction
316639	Farp2	FERM, RhoGEF and pleckstrin domain protein 2	04520	Adherens junction
25718	IGFIRC,Igf1r,ITK13	insulin-like growth factor 1 receptor	04520	Adherens junction
24954	Insr	insulin receptor	04520	Adherens junction
361598	Iqgap1	IQ motif containing GTPase activating protein 1	04520	Adherens junction
313121	Map3k7,Tak1	mitogen activated protein kinase kinase kinase 7	04520	Adherens junction
29591	MGC93659,Tgfbr1	transforming growth factor, beta receptor 1	04520	Adherens junction
297173	MGC94489,RSA-14-44	RSA-14-44 protein	04520	Adherens junction
498281	Pvrl4,RGD1559826	poliovirus receptor-related 4	04520	Adherens junction
54244	RTS2,CBP,Crebbp,RSTS	CREB binding protein	04520	Adherens junction
116490	Sna,Snai1	snail homolog 1 (Drosophila)	04520	Adherens junction
312451	Tcf32	transcription factor 3	04520	Adherens junction
679869	Tcf7l2	transcription factor 7-like 2 (T-cell specific, HMG-box)	04520	Adherens junction
292994	Tjp1,ZO-1	tight junction protein 1	04520	Adherens junction
305679	Vcl	vinculin	04520	Adherens junction
24854	APOJ,CLI,Cli,DAG,RATTRPM	clusterin	GO:0016235	aggresome
83502	Cdh1	cadherin 1	GO:0016235	aggresome
291312	GRP,RGD1308977,Ucma	upper zone of growth plate and cartilage matrix associated	GO:0016235	aggresome
289323	Nvl	nuclear VCP-like	GO:0016235	aggresome
301516	Stk36	serine/threonine kinase 36 (fused homolog, Drosophila)	GO:0016235	aggresome
24211	Atp1a1,Nkaa1b	ATPase, Na+/K+ transporting, alpha 1 polypeptide	04960	Aldosterone-regulated sodium reabsorption
24212	Atp1a2,RATATPA2	ATPase, Na+/K+ transporting, alpha 2 polypeptide	04960	Aldosterone-regulated sodium reabsorption
24213	Atp1a3,Atpa1a3	ATPase, Na+/K+ transporting, alpha 3 polypeptide	04960	Aldosterone-regulated sodium reabsorption
25390	Atp1b3,NKAB3S	ATPase, Na+/K+ transporting, beta 3 polypeptide	04960	Aldosterone-regulated sodium reabsorption
24214	ATPB2,ATPB2S,Amog,Atp1b	ATPase, Na+/K+ transporting, beta 2 polypeptide	04960	Aldosterone-regulated sodium reabsorption
24768	ENaC,Scnn1g	sodium channel, nonvoltage-gated 1, gamma	04960	Aldosterone-regulated sodium reabsorption
24482	Igf1	insulin-like growth factor 1	04960	Aldosterone-regulated sodium reabsorption
24954	Insr	insulin receptor	04960	Aldosterone-regulated sodium reabsorption
25672	MCR,Mlr,Nr3c2	nuclear receptor subfamily 3, group C, member 2	04960	Aldosterone-regulated sodium reabsorption
170911	MGC116320,Pik3ca	phosphoinositide-3-kinase, catalytic, alpha polypeptide	04960	Aldosterone-regulated sodium reabsorption
366508	Pik3cd	phosphoinositide-3-kinase, catalytic, delta polypeptide	04960	Aldosterone-regulated sodium reabsorption
25023	Pkcb,Prkcb,Prkcb1	protein kinase C, beta	04960	Aldosterone-regulated sodium reabsorption
25122	Scnn1a	sodium channel, nonvoltage-gated 1 alpha	04960	Aldosterone-regulated sodium reabsorption
29517	Sgk,Sgk1	serum/glucocorticoid regulated kinase 1	04960	Aldosterone-regulated sodium reabsorption
361705	Cnih2,Cnih31,MGC109307,F	cornichon homolog 2 (Drosophila)	GO:0032281	alpha-amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid selective glutamate receptor complex
29495	Dlg4,Dlgh4,PSD95,Sap90	discs, large homolog 4 (Drosophila)	GO:0032281	alpha-amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid selective glutamate receptor complex
29629	GluA4,GluR-D,GluR4,Gria4	glutamate receptor, ionotropic, AMPA 4	GO:0032281	alpha-amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid selective glutamate receptor complex
25073	Cd36l1,SR-B1,Scarb1,Srb1	scavenger receptor class B, member 1	GO:0006702	androgen biosynthetic process
29632	Hsd3b11,Hsd3b6,MGC1092	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 6	GO:0006702	androgen biosynthetic process
497991	Med1,RGD1559552	mediator complex subunit 1	GO:0006702	androgen biosynthetic process
24950	MGC156498,S5AR 1,Srd5a1	steroid-5-alpha-reductase, alpha polypeptide 1 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 1)	GO:0006702	androgen biosynthetic process
361191	Nsun2,RGD1311954	NOL1/NOP2/Sun domain family, member 2	GO:0006702	androgen biosynthetic process
304407	Cldn4	claudin 4	GO:0016327	apicolateral plasma membrane
282581	Fzd6	frizzled homolog 6 (Drosophila)	GO:0016327	apicolateral plasma membrane

312563	Prickle2	prickle homolog 2 (Drosophila)	GO:0016327	apicolateral plasma membrane
292994	Tjp1,ZO-1	tight junction protein 1	GO:0016327	apicolateral plasma membrane
29717	Cacna1g	calcium channel, voltage-dependent, T type, alpha 1G subunit	GO:0014824	artery smooth muscle contraction
24323	Edn1,Et1	endothelin 1	GO:0014824	artery smooth muscle contraction
24326	ENDOR,Ednra1,Eta,RATEND1	endothelin receptor type A	GO:0014824	artery smooth muscle contraction
29651	Aldh1a4,Aldh1a7,Aldhpb	aldehyde dehydrogenase family 1, subfamily A7	00053	Ascorbate and aldarate metabolism
65183	Aldh3a2,Aldh4,FALDH	aldehyde dehydrogenase 3 family, member A2	00053	Ascorbate and aldarate metabolism
60671	Gulo	gulonolactone (L-) oxidase	00053	Ascorbate and aldarate metabolism
24861	UDPGT 1-1,Udpgt1,Ugt11,U	UDP glucuronosyltransferase 1 family, polypeptide A1	00053	Ascorbate and aldarate metabolism
396527	Udpgt4,Ugt16,UDPGT 1-2,U	UDP glucuronosyltransferase 1 family, polypeptide A2	00053	Ascorbate and aldarate metabolism
301595	Ugt14,Ugt1a82,UDPGT 1-8,l	UDP glycosyltransferase 1 family, polypeptide A8	00053	Ascorbate and aldarate metabolism
396551	Ugt17,UDPGT 1-3,Ugt1a3,Uj	UDP glycosyltransferase 1 family, polypeptide A3	00053	Ascorbate and aldarate metabolism
574523	Ugt18,Ugt1a62,UDPGT 1-5,l	UDP glucuronosyltransferase 1 family, polypeptide A5	00053	Ascorbate and aldarate metabolism
396552	Ugt1a92,Ugt1a10,Ugt1a11	UDP glucuronosyltransferase 1 family, polypeptide A9	00053	Ascorbate and aldarate metabolism
24862	Ugt2b,Ugt2b2	UDP glycosyltransferase 2 family, polypeptide B	00053	Ascorbate and aldarate metabolism
79130	Csp,Dnajc5	Dnaj (Hsp40) homolog, subfamily C, member 5	GO:0043008	ATP-dependent protein binding
60355	Nsf	N-ethylmaleimide-sensitive factor	GO:0043008	ATP-dependent protein binding
24686	PrP,Prn,Prnp	prion protein	GO:0043008	ATP-dependent protein binding
308384	Sae1,Uble1a	SUMO1 activating enzyme subunit 1	GO:0043008	ATP-dependent protein binding
116470	Stx1a	syntaxin 1A (brain)	GO:0043008	ATP-dependent protein binding
59319	Ambra1,Nyw1	autophagy/beclin 1 regulator 1	GO:0006914	autophagy
316640	Apg4b,Atg4b,MGC112887	ATG4 autophagy related 4 homolog B (S. cerevisiae)	GO:0006914	autophagy
312647	Apg7l,Atg7	ATG7 autophagy related 7 homolog (S. cerevisiae)	GO:0006914	autophagy
300240	Atg101,MGC94201,RGD135l	similar to RIKEN cDNA 9430023L20	GO:0006914	autophagy
313391	Atg4c	ATG4 autophagy related 4 homolog C (S. cerevisiae)	GO:0006914	autophagy
363254	Atg9a,MGC105908,RGD131l	ATG9 autophagy related 9 homolog A (S. cerevisiae)	GO:0006914	autophagy
64529	Ctsb	cathepsin B	GO:0006914	autophagy
362245	MGC105263,Map1lc3a	microtubule-associated protein 1 light chain 3 alpha	GO:0006914	autophagy
64862	MGC93422,Map1lc3,Map1l	microtubule-associated protein 1 light chain 3 beta	GO:0006914	autophagy
83825	Ania4,Cpg16,Dcamk1l,Dcl1	doublecortin-like kinase 1	GO:0007409	axonogenesis
24224	Bcl-2,Bcl2	B-cell CLL/lymphoma 2	GO:0007409	axonogenesis
297357	Catna2,Ctnna2	catenin (cadherin associated protein), alpha 2	GO:0007409	axonogenesis
25356	Cntn2,TAG-1,TAG-564,TAG1	contactin 2 (axonal)	GO:0007409	axonogenesis
24318	Drd2	dopamine receptor D2	GO:0007409	axonogenesis
25718	IGFIRC,Igf1r,JTK13	insulin-like growth factor 1 receptor	GO:0007409	axonogenesis
363243	Klf7	Kruppel-like factor 7 (ubiquitous)	GO:0007409	axonogenesis
29456	Map1b,Mtap1b	microtubule-associated protein 1B	GO:0007409	axonogenesis
25012	MGC105414,SNAP-25B,Snaf	synaptosomal-associated protein 25	GO:0007409	axonogenesis
308690	MGC105768,Ndn	necln homolog (mouse)	GO:0007409	axonogenesis
25496	NOTCH,Notch1,TAN1	Notch homolog 1, translocation-associated (Drosophila)	GO:0007409	axonogenesis
295382	Ntng1,RGD1563465	netrin G1	GO:0007409	axonogenesis
311836	Ntng2	netrin G2	GO:0007409	axonogenesis
295401	Prg12,Lppr4,Prg-1	lipid phosphate phosphatase-related protein type 4	GO:0007409	axonogenesis
25613	Ptprz1,Ptpz	protein tyrosine phosphatase, receptor-type, Z polypeptide 1	GO:0007409	axonogenesis
292139	RGD1311558,Shootin1	similar to 4930506M07Rik protein	GO:0007409	axonogenesis
360272	Slit2	slit homolog 2 (Drosophila)	GO:0007409	axonogenesis
306147	Slitrk1	SLIT and NTRK-like family, member 1	GO:0007409	axonogenesis
290467	Slitrk6	SLIT and NTRK-like family, member 6	GO:0007409	axonogenesis
57027	Adam17,TACE	ADAM metalloproteinase domain 17	GO:0030183	B cell differentiation
24224	Bcl-2,Bcl2	B-cell CLL/lymphoma 2	GO:0030183	B cell differentiation
25301	C/EBP,CEBPRNA,Cebpg	CCAAT/enhancer binding protein (C/EBP), gamma	GO:0030183	B cell differentiation
24699	CD45,L-CA,Lca,Ptprc,RT7,T2l	protein tyrosine phosphatase, receptor type, C	GO:0030183	B cell differentiation
25517	GHF1,GHF1A,PIT1Z,Pit1,Pou	POU class 1 homeobox 1	GO:0030183	B cell differentiation
79237	Hex,Hhex	hematopoietically expressed homeobox	GO:0030183	B cell differentiation
363251	Nhej1	nonhomologous end-joining factor 1	GO:0030183	B cell differentiation
294900	PrlZ,Tpd52	tumor protein D52	GO:0030183	B cell differentiation

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84600	Rag1	recombination activating gene 1	GO:0030183	B cell differentiation
295953	Rag2	recombination activating gene 2	GO:0030183	B cell differentiation
58919	Ccnd1	cyclin D1	05219	Bladder cancer
83502	Cdh1	cadherin 1	05219	Bladder cancer
94201	Cdk4	cyclin-dependent kinase 4	05219	Bladder cancer
399489	E2f1	E2F transcription factor 1	05219	Bladder cancer
84489	Fgfr3	fibroblast growth factor receptor 3	05219	Bladder cancer
170851	Map2k1,Mek1	mitogen activated protein kinase kinase 1	05219	Bladder cancer
81686	Mmp2	matrix metalloproteinase 2	05219	Bladder cancer
81687	Mmp9	matrix metalloproteinase 9	05219	Bladder cancer
24703	Raf1	v-raf-leukemia viral oncogene 1	05219	Bladder cancer
24708	Rb1	retinoblastoma 1	05219	Bladder cancer
114111	Vegfc	vascular endothelial growth factor C	05219	Bladder cancer
56611	ANX2,Anxa2	annexin A2	GO:0007589	body fluid secretion
24255	Cftr,RGD1561193	cystic fibrosis transmembrane conductance regulator homolog (human)	GO:0007589	body fluid secretion
79425	Clnk1,Clnka,MGC93313	chloride channel Ka	GO:0007589	body fluid secretion
309156	Bbs1	Bardet-Biedl syndrome 1	GO:0048854	brain morphogenesis
300754	Bbs4	Bardet-Biedl syndrome 4	GO:0048854	brain morphogenesis
297357	Catna2,Ctnna2	catenin (cadherin associated protein), alpha 2	GO:0048854	brain morphogenesis
24379	Gad1,Gad67	glutamate decarboxylase 1	GO:0048854	brain morphogenesis
83572	LI51,Pafah1b1	platelet-activating factor acetylhydrolase, isoform 1b, subunit 1	GO:0048854	brain morphogenesis
29259	A.11,L-selectin,LECAM-1,SEL selectin L		GO:0007155	cell adhesion
57027	Adam17,TACE	ADAM metalloproteinase domain 17	GO:0007155	cell adhesion
290834	Adam9,MDC9	ADAM metalloproteinase domain 9 (meltrin gamma)	GO:0007155	cell adhesion
26955	Af6,Mllt4	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 4	GO:0007155	cell adhesion
300186	Ali1,Amigo2	adhesion molecule with Ig like domain 2	GO:0007155	cell adhesion
25393	ALPBRE,Bcan	brevican	GO:0007155	cell adhesion
29473	Aoc3,SSAO	amine oxidase, copper containing 3 (vascular adhesion protein 1)	GO:0007155	cell adhesion
84008	Caspr,Cntnap1	contactin associated protein 1	GO:0007155	cell adhesion
307505	Catna1,Ctnna1,MGC93767	catenin (cadherin associated protein), alpha 1	GO:0007155	cell adhesion
297357	Catna2,Ctnna2	catenin (cadherin associated protein), alpha 2	GO:0007155	cell adhesion
298019	Catnal1,Ctnnal1	catenin (cadherin associated protein), alpha-like 1	GO:0007155	cell adhesion
29184	Cd36,Fat1,MGC108510,MGC108511	CD36 molecule (thrombospondin receptor)	GO:0007155	cell adhesion
25073	Cd36l1,SR-B1,Scarb1,Srb1	scavenger receptor class B, member 1	GO:0007155	cell adhesion
25406	CD44A,Cd44,METAA,MGC17	Cd44 molecule	GO:0007155	cell adhesion
29364	Cd47,Itgp,MGC93490	Cd47 molecule	GO:0007155	cell adhesion
24936	Cd9	CD9 molecule	GO:0007155	cell adhesion
117048	Cdh17	cadherin 17	GO:0007155	cell adhesion
29163	Cdh9	cadherin 9	GO:0007155	cell adhesion
50938	Cdo,Cdon	Cdon homolog (mouse)	GO:0007155	cell adhesion
83466	Celsr3,Megf2	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	GO:0007155	cell adhesion
292027	Cfdp1	craniofacial development protein 1	GO:0007155	cell adhesion
245918	Cgr11,Cgref1	cell growth regulator with EF hand domain 1	GO:0007155	cell adhesion
84588	Cldn11	claudin 11	GO:0007155	cell adhesion
116741	Cnr12,MGC93781,Pcdha4	protocadherin alpha 4	GO:0007155	cell adhesion
116742	Cnr5,Pcdha13	protocadherin alpha 13	GO:0007155	cell adhesion
25356	Cntn2,TAG-1,TAG-564,TAG1	contactin 2 (axonal)	GO:0007155	cell adhesion
314981	Col14a1	collagen, type XIV, alpha 1	GO:0007155	cell adhesion
60379	Col5a3	collagen, type V, alpha 3	GO:0007155	cell adhesion
293566	Cpxm2,RGD1310955	carboxypeptidase X (M14 family), member 2	GO:0007155	cell adhesion
114122	Cspg2,Vcan	versican	GO:0007155	cell adhesion
58982	Cspg3,Ncan	neurocan	GO:0007155	cell adhesion
64032	CTGRP,Ctgf	connective tissue growth factor	GO:0007155	cell adhesion
83476	Cyr61,MGC93040	cysteine-rich, angiogenic inducer, 61	GO:0007155	cell adhesion
65048	Fat2,Fath2	FAT tumor suppressor homolog 2 (Drosophila)	GO:0007155	cell adhesion
191571	Fat3	FAT tumor suppressor homolog 3 (Drosophila)	GO:0007155	cell adhesion

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301737	Fer,Fert2,Flk,Flk_retired	fer (fms/fps related) protein kinase, testis specific 2	GO:0007155	cell adhesion
296179	Fermt1,RGD1306816	fermitin family homolog 1 (Drosophila)	GO:0007155	cell adhesion
25259	Gp5,PLGPV	glycoprotein V (platelet)	GO:0007155	cell adhesion
113955	GpnmB	glycoprotein (transmembrane) nmb	GO:0007155	cell adhesion
25216	HSPG1,SYNDECA,Sdc1,Synd	syndecan 1	GO:0007155	cell adhesion
289560	Igfbp7	insulin-like growth factor binding protein 7	GO:0007155	cell adhesion
303926	Igsf11,MGC94879	immunoglobulin superfamily, member 11	GO:0007155	cell adhesion
65038	Inpp1,Ship2	inositol polyphosphate phosphatase-like 1	GO:0007155	cell adhesion
311144	Itga4	integrin, alpha 4	GO:0007155	cell adhesion
192362	Lamc2	laminin, gamma 2	GO:0007155	cell adhesion
311862	Lamc3	laminin gamma 3	GO:0007155	cell adhesion
363795	Lmln	leishmanolysin-like (metallopeptidase M8 family)	GO:0007155	cell adhesion
293186	Lyve1,Xlkd1	lymphatic vessel endothelial hyaluronan receptor 1	GO:0007155	cell adhesion
298982	MGC93683,Maea	macrophage erythroblast attacker	GO:0007155	cell adhesion
29365	Mpdz	multiple PDZ domain protein	GO:0007155	cell adhesion
116690	NF,Nfasc	neurofascin	GO:0007155	cell adhesion
302248	NID-2,Nid2	nidogen 2	GO:0007155	cell adhesion
497815	Nrcam	neuronal cell adhesion molecule	GO:0007155	cell adhesion
116595	Nrxn2	neurexin 2	GO:0007155	cell adhesion
116508	Nrxn3	neurexin 3	GO:0007155	cell adhesion
116597	Opcml	opioid binding protein/cell adhesion molecule-like	GO:0007155	cell adhesion
292918	Otog	otogelin	GO:0007155	cell adhesion
306091	Pcdh9	protocadherin 9	GO:0007155	cell adhesion
393085	Pcdha1,rCNRv01	protocadherin alpha 1	GO:0007155	cell adhesion
393086	Pcdha2,rCNRv02	protocadherin alpha 2	GO:0007155	cell adhesion
393087	Pcdha5,rCNRv05	protocadherin alpha 5	GO:0007155	cell adhesion
393088	Pcdha6,rCNRv06	protocadherin alpha 6	GO:0007155	cell adhesion
393089	Pcdha7,rCNRv07	protocadherin alpha 7	GO:0007155	cell adhesion
393090	Pcdha9,rCNRv09	protocadherin alpha 9	GO:0007155	cell adhesion
360820	Pxn	paxillin	GO:0007155	cell adhesion
24771	RATRYUDOCA,RYUDOCA,Sdi	syndecan 4	GO:0007155	cell adhesion
24718	Reelen,ReIn,Rl,reeler	reelin	GO:0007155	cell adhesion
364786	RGD1564327	similar to integrin alpha 8	GO:0007155	cell adhesion
292406	TSP-2,Thbs2	thrombospondin 2	GO:0007155	cell adhesion
305679	Vcl	vinculin	GO:0007155	cell adhesion
293897	Dkk1	dickkopf homolog 1 (Xenopus laevis)	GO:0000904	cell morphogenesis involved in differentiation
311862	Lamc3	laminin gamma 3	GO:0000904	cell morphogenesis involved in differentiation
24718	Reelen,ReIn,Rl,reeler	reelin	GO:0000904	cell morphogenesis involved in differentiation
57027	Adam17,TACE	ADAM metallopeptidase domain 17	GO:0048870	cell motility
24356	Ets-11,Ets1,Ets1oncb,MGC12	v-ets erythroblastosis virus E26 oncogene homolog 1 (avian)	GO:0048870	cell motility
170851	Map2k1,Mek1	mitogen activated protein kinase kinase 1	GO:0048870	cell motility
25033	Gpcrrna,Sstr1	somatostatin receptor 1	GO:0071392	cellular response to estradiol stimulus
24950	MGC156498,S5AR 1,Srd5a1	steroid-5-alpha-reductase, alpha polypeptide 1 (3-oxo-5-alpha-steroid delta 4-dehydrogenase alpha 1)	GO:0071392	cellular response to estradiol stimulus
81686	Mmp2	matrix metallopeptidase 2	GO:0071392	cellular response to estradiol stimulus
25483	Msx2	msh homeobox 2	GO:0071392	cellular response to estradiol stimulus
54305	Smstr2,Sstr2	somatostatin receptor 2	GO:0071392	cellular response to estradiol stimulus
286970	Abca5	ATP-binding cassette, subfamily A (ABC1), member 5	GO:0033344	cholesterol efflux
114628	Abcg5	ATP-binding cassette, subfamily G (WHITE), member 5	GO:0033344	cholesterol efflux
155192	Abcg8	ATP-binding cassette, subfamily G (WHITE), member 8	GO:0033344	cholesterol efflux
266770	Acat-2,Soat2	sterol O-acyltransferase 2	GO:0033344	cholesterol efflux
292697	Apoc2,RGD1560725	apolipoprotein C-II	GO:0033344	cholesterol efflux
25404	Cav,Cav1,MGC187299	caveolin 1, caveolae protein	GO:0033344	cholesterol efflux
25073	Cd36l1,SR-B1,Scarb1,Srb1	scavenger receptor class B, member 1	GO:0033344	cholesterol efflux
286898	Npc2,re1	Niemann-Pick disease, type C2	GO:0033344	cholesterol efflux
65033	Stx12	syntaxin 12	GO:0033344	cholesterol efflux
114628	Abcg5	ATP-binding cassette, subfamily G (WHITE), member 5	GO:0030301	cholesterol transport

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155192	Abcg8	ATP-binding cassette, subfamily G (WHITE), member 8	GO:0030301	cholesterol transport
25404	Cav,Cav1,MGC187299	caveolin 1, caveolae protein	GO:0030301	cholesterol transport
29184	Cd36,Fat1,MGC108510,MGC108511	CD36 molecule (thrombospondin receptor)	GO:0030301	cholesterol transport
25073	Cd36i1,SR-B1,Scarb1,Srb1	scavenger receptor class B, member 1	GO:0030301	cholesterol transport
24255	Cftr,RGD1561193	cystic fibrosis transmembrane conductance regulator homolog (human)	GO:0030301	cholesterol transport
360834	MGC116271,Vps4b	vacuolar protein sorting 4 homolog B (S. cerevisiae)	GO:0030301	cholesterol transport
286898	Npc2,re1	Niemann-Pick disease, type C2	GO:0030301	cholesterol transport
297554	Csgalnact2,Galnact2,RGD1561193	chondroitin sulfate N-acetylgalactosaminyltransferase 2	GO:0050650	chondroitin sulfate proteoglycan biosynthetic process
498392	Cyt11,RGD1561846	cytokine like 1	GO:0050650	chondroitin sulfate proteoglycan biosynthetic process
24482	Igf1	insulin-like growth factor 1	GO:0050650	chondroitin sulfate proteoglycan biosynthetic process
29657	Arntl	aryl hydrocarbon receptor nuclear translocator-like	04710	Circadian rhythm - mammal
79431	Bhlhb2,Bhlhe40,Dec1,SHAR1	basic helix-loop-helix family, member e40	04710	Circadian rhythm - mammal
303024	Fbxw11	F-box and WD repeat domain containing 11	04710	Circadian rhythm - mammal
316351	Npas2	neuronal PAS domain protein 2	04710	Circadian rhythm - mammal
252917	Nr1d1,REV-ERBAALPHA	nuclear receptor subfamily 1, group D, member 1	04710	Circadian rhythm - mammal
63840	Per2,rPER2	period homolog 2 (Drosophila)	04710	Circadian rhythm - mammal
24224	Bcl-2,Bcl2	B-cell CLL/lymphoma 2	05210	Colorectal cancer
25402	Casp3,Lice,MGC93645	caspase 3	05210	Colorectal cancer
58919	Ccnd1	cyclin D1	05210	Colorectal cancer
25309	CYCSA,CyCS,MGC93634	cytochrome c, somatic	05210	Colorectal cancer
314322	Fos,c-fos	FBJ osteosarcoma oncogene	05210	Colorectal cancer
170851	Map2k1,Mek1	mitogen activated protein kinase kinase 1	05210	Colorectal cancer
50658	Mapk9,SAPK	mitogen-activated protein kinase 9	05210	Colorectal cancer
170911	MGC116320,Pik3ca	phosphoinositide-3-kinase, catalytic, alpha polypeptide	05210	Colorectal cancer
29591	MGC93659,Tgfb1	transforming growth factor, beta receptor 1	05210	Colorectal cancer
297173	MGC94489,RSA-14-44	RSA-14-44 protein	05210	Colorectal cancer
366508	Pik3cd	phosphoinositide-3-kinase, catalytic, delta polypeptide	05210	Colorectal cancer
24703	Raf1	v-raf-leukemia viral oncogene 1	05210	Colorectal cancer
29622	Ralgds,Rgds	ral guanine nucleotide dissociation stimulator	05210	Colorectal cancer
312451	Tcf32	transcription factor 3	05210	Colorectal cancer
679869	Tcf7l2	transcription factor 7-like 2 (T-cell specific, HMG-box)	05210	Colorectal cancer
293056	Cpeb1	cytoplasmic polyadenylation element binding protein 1	GO:0000932	cytoplasmic mRNA processing body
361399	Edc4,LRRG00115,MGC1247	enhancer of mRNA decapping 4	GO:0000932	cytoplasmic mRNA processing body
117045	Eif4e,MGC93265	eukaryotic translation initiation factor 4E	GO:0000932	cytoplasmic mRNA processing body
316101	Limd1	LIM domains containing 1	GO:0000932	cytoplasmic mRNA processing body
361554	Lsm14a,RGD1305695	LSM14A, SCD6 homolog A (S. cerevisiae)	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
29489	Dnch1,Dnchc1,Dync1h1	dynein cytoplasmic 1 heavy chain 1	GO:0033962	cytoplasmic mRNA processing body assembly
316101	Limd1	LIM domains containing 1	GO:0033962	cytoplasmic mRNA processing body assembly
361554	Lsm14a,RGD1305695	LSM14A, SCD6 homolog A (S. cerevisiae)	GO:0033962	cytoplasmic mRNA processing body assembly
79011	1G5,Camkv	CaM kinase-like vesicle-associated	GO:0031410	cytoplasmic vesicle
57025	Adam15,MDC15,tMDCV1	a disintegrin and metallopeptidase domain 15 (metargidin)	GO:0031410	cytoplasmic vesicle
298646	Agtrap,MGC95145	angiotensin II receptor-associated protein	GO:0031410	cytoplasmic vesicle
306332	Ap1m1,MGC125095	adaptor-related protein complex 1, mu 1 subunit	GO:0031410	cytoplasmic vesicle
363254	Atg9a,MGC105908,RGD1311	ATG9 autophagy related 9 homolog A (S. cerevisiae)	GO:0031410	cytoplasmic vesicle
25204	BDP,PC1,PC3,Pcsk1	proprotein convertase subtilisin/kexin type 1	GO:0031410	cytoplasmic vesicle
116638	BNP1,Slc17a7,Vglut1	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 7	GO:0031410	cytoplasmic vesicle
303112	C330016o10rik,N4bp3,RGD	Nedd4 binding protein 3	GO:0031410	cytoplasmic vesicle
25404	Cav,Cav1,MGC187299	caveolin 1, caveolae protein	GO:0031410	cytoplasmic vesicle
366311	Clavesin-1,Clvs1,RGD15642	clavesin 1	GO:0031410	cytoplasmic vesicle
83800	Cla,LCA1,LCA2,LCA3,MGC116561	clathrin, light chain (Lca)	GO:0031410	cytoplasmic vesicle
116561	Cltb	clathrin, light chain (Lcb)	GO:0031410	cytoplasmic vesicle
60628	Cxcr4,MGC108696	chemokine (C-X-C motif) receptor 4	GO:0031410	cytoplasmic vesicle
25715	Dmt1,Nramp2,Slc11a2	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2	GO:0031410	cytoplasmic vesicle
24318	Drd2	dopamine receptor D2	GO:0031410	cytoplasmic vesicle

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64124	Elt1, Etl	EGF, latrophilin and seven transmembrane domain containing 1	GO:0031410	cytoplasmic vesicle
360605	Epn3	epsin 3	GO:0031410	cytoplasmic vesicle
360903	Fgfr5, Fgfr1	fibroblast growth factor receptor-like 1	GO:0031410	cytoplasmic vesicle
24417	Grm4	glutamate receptor, metabotropic 4	GO:0031410	cytoplasmic vesicle
312781	Lrp6	low density lipoprotein receptor-related protein 6	GO:0031410	cytoplasmic vesicle
362849	MARCH-II, March2, RGD1306	membrane-associated ring finger (C3HC4) 2	GO:0031410	cytoplasmic vesicle
362245	MGC105263, Map1lc3a	microtubule-associated protein 1 light chain 3 alpha	GO:0031410	cytoplasmic vesicle
295217	MGC112927, Snapap, Snapin	SNAP-associated protein	GO:0031410	cytoplasmic vesicle
312694	MGC114570, Necap1, RGD13	NECAP endocytosis associated 1	GO:0031410	cytoplasmic vesicle
65165	MGC72390, Rnp24, Tmed2	transmembrane emp24 domain trafficking protein 2	GO:0031410	cytoplasmic vesicle
64862	MGC93422, Map1lc3, Map1l	microtubule-associated protein 1 light chain 3 beta	GO:0031410	cytoplasmic vesicle
299799	MGC94502, Rab21	RAB21, member RAS oncogene family	GO:0031410	cytoplasmic vesicle
364878	MGC94648, March3	membrane-associated ring finger (C3HC4) 3	GO:0031410	cytoplasmic vesicle
25549	MNAT, Slc18a2, VMAT2	solute carrier family 18 (vesicular monoamine), member 2	GO:0031410	cytoplasmic vesicle
301026	Ngp	neutrophilic granule protein	GO:0031410	cytoplasmic vesicle
299757	Nts	neurotensin	GO:0031410	cytoplasmic vesicle
25716	P65, Syt1	synaptotagmin I	GO:0031410	cytoplasmic vesicle
287709	Rab5c	RAB5C, member RAS oncogene family	GO:0031410	cytoplasmic vesicle
29448	Rab7, Rab7a	RAB7A, member RAS oncogene family	GO:0031410	cytoplasmic vesicle
24805	RATSYNII, SYNII, Syt2	synaptotagmin II	GO:0031410	cytoplasmic vesicle
266767	Slc17a8, Vglut3	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 8	GO:0031410	cytoplasmic vesicle
366568	Slc30a3, ZnT3	solute carrier family 30 (zinc transporter), member 3	GO:0031410	cytoplasmic vesicle
64630	Snap23	synaptosomal-associated protein 23	GO:0031410	cytoplasmic vesicle
116470	Stx1a	syntaxin 1A (brain)	GO:0031410	cytoplasmic vesicle
117556	Sv2b	synaptic vesicle glycoprotein 2b	GO:0031410	cytoplasmic vesicle
25624	Syb1, Vamp1	vesicle-associated membrane protein 1	GO:0031410	cytoplasmic vesicle
66030	Synpr	synaptoporin	GO:0031410	cytoplasmic vesicle
64440	Syt4	synaptotagmin IV	GO:0031410	cytoplasmic vesicle
361227	Tbc1d7	TBC1 domain family, member 7	GO:0031410	cytoplasmic vesicle
29461	Vgf	VEGF nerve growth factor inducible	GO:0031410	cytoplasmic vesicle
79011	1G5, Camkv	CaM kinase-like vesicle-associated	GO:0030659	cytoplasmic vesicle membrane
298646	Agtrap, MGC95145	angiotensin II receptor-associated protein	GO:0030659	cytoplasmic vesicle membrane
303112	C330016o10rik, N4bp3, RGD:	Nedd4 binding protein 3	GO:0030659	cytoplasmic vesicle membrane
24255	Cftr, RGD1561193	cystic fibrosis transmembrane conductance regulator homolog (human)	GO:0030659	cytoplasmic vesicle membrane
83800	Cla, LCA1, LCA2, LCA3, MGC1	clathrin, light chain (Lca)	GO:0030659	cytoplasmic vesicle membrane
116561	Cltb	clathrin, light chain (Lcb)	GO:0030659	cytoplasmic vesicle membrane
64124	Elt1, Etl	EGF, latrophilin and seven transmembrane domain containing 1	GO:0030659	cytoplasmic vesicle membrane
29219	MGC105443, Snca	synuclein, alpha (non A4 component of amyloid precursor)	GO:0030659	cytoplasmic vesicle membrane
295217	MGC112927, Snapap, Snapin	SNAP-associated protein	GO:0030659	cytoplasmic vesicle membrane
65165	MGC72390, Rnp24, Tmed2	transmembrane emp24 domain trafficking protein 2	GO:0030659	cytoplasmic vesicle membrane
299799	MGC94502, Rab21	RAB21, member RAS oncogene family	GO:0030659	cytoplasmic vesicle membrane
364878	MGC94648, March3	membrane-associated ring finger (C3HC4) 3	GO:0030659	cytoplasmic vesicle membrane
25549	MNAT, Slc18a2, VMAT2	solute carrier family 18 (vesicular monoamine), member 2	GO:0030659	cytoplasmic vesicle membrane
64630	Snap23	synaptosomal-associated protein 23	GO:0030659	cytoplasmic vesicle membrane
25624	Syb1, Vamp1	vesicle-associated membrane protein 1	GO:0030659	cytoplasmic vesicle membrane
313067	Tmem67, Wpk	transmembrane protein 67	GO:0030659	cytoplasmic vesicle membrane
24189	Aldo1, Aldoa, RNALDOG5	aldolase A, fructose-bisphosphate	GO:0008092	cytoskeletal protein binding
56611	ANX2, Anxa2	annexin A2	GO:0008092	cytoskeletal protein binding
29154	Capn2	calpain 2	GO:0008092	cytoskeletal protein binding
140734	Dlc2, Dynl12, MGC72334	dynein light chain LC8-type 2	GO:0008092	cytoskeletal protein binding
54319	Ezr, MGC94076, Vii2	ezrin	GO:0008092	cytoskeletal protein binding
306183	Farp1	FERM, RhoGEF (Arhgef) and pleckstrin domain protein 1 (chondrocyte-derived)	GO:0008092	cytoskeletal protein binding
316639	Farp2	FERM, RhoGEF and pleckstrin domain protein 2	GO:0008092	cytoskeletal protein binding
301737	Fer, Fert2, Flk, Flk_retired	fer (fms/fps related) protein kinase, testis specific 2	GO:0008092	cytoskeletal protein binding
25216	HSPG1, SYNDECA, Sdc1, Synd	syndecan 1	GO:0008092	cytoskeletal protein binding
25615	HSPG2, Sdc2	syndecan 2	GO:0008092	cytoskeletal protein binding

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315655	MGC95168,Rdx	radixin	GO:0008092	cytoskeletal protein binding
293937	Pkd2l1	polycystic kidney disease 2-like 1	GO:0008092	cytoskeletal protein binding
24771	RATRYUDOCA,RYUDOCA,Sd	syndecan 4	GO:0008092	cytoskeletal protein binding
25560	Abcc9,Sur2	ATP-binding cassette, subfamily C (CFTR/MRP), member 9	GO:0051607	defense response to virus
24224	Bcl-2,Bcl2	B-cell CLL/lymphoma 2	GO:0051607	defense response to virus
84480	Bnip3,MGC93043	BCL2/adenovirus E1B interacting protein 3	GO:0051607	defense response to virus
140923	Bnip3l,Nix	BCL2/adenovirus E1B interacting protein 3-like	GO:0051607	defense response to virus
24699	CD45,L-CA,Lca,Ptpcr,RT7,T2l	protein tyrosine phosphatase, receptor type, C	GO:0051607	defense response to virus
24498	ILg6,Ifnb2,Il6	interleukin 6	GO:0051607	defense response to virus
83825	Ania4,Cpg16,Dcamk1l,Dclk1	doublecortin-like kinase 1	GO:0048813	dendrite morphogenesis
297357	Catna2,Ctnna2	catenin (cadherin associated protein), alpha 2	GO:0048813	dendrite morphogenesis
25715	Dmt1,Nramp2,Slc11a2	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2	GO:0048813	dendrite morphogenesis
25615	HSPG2,Sdc2	syndecan 2	GO:0048813	dendrite morphogenesis
363243	Klf7	Kruppel-like factor 7 (ubiquitous)	GO:0048813	dendrite morphogenesis
293056	Cpeb1	cytoplasmic polyadenylation element binding protein 1	04320	Dorso-ventral axis formation
24356	Ets-11,Ets1,Etsoncb,MGC12	v-ets erythroblastosis virus E26 oncogene homolog 1 (avian)	04320	Dorso-ventral axis formation
81504	Grb2,MGC108668	growth factor receptor bound protein 2	04320	Dorso-ventral axis formation
170851	Map2k1,Mek1	mitogen activated protein kinase 1	04320	Dorso-ventral axis formation
25496	NOTCH,Notch1,TAN1	Notch homolog 1, translocation-associated (Drosophila)	04320	Dorso-ventral axis formation
306011	Piwil2	piwi-like 2 (Drosophila)	04320	Dorso-ventral axis formation
85384	Sos11,Sos2	son of sevenless homolog 2 (Drosophila)	04320	Dorso-ventral axis formation
307348	Spire1	spire homolog 1 (Drosophila)	04320	Dorso-ventral axis formation
29184	Cd36,Fat1,MGC108510,MG1	CD36 molecule (thrombospondin receptor)	04512	ECM-receptor interaction
25406	CD44A,Cd44,METAA,MGC1:	Cd44 molecule	04512	ECM-receptor interaction
29364	Cd47,Itgp,MGC93490	Cd47 molecule	04512	ECM-receptor interaction
60379	Col5a3	collagen, type V, alpha 3	04512	ECM-receptor interaction
29393	COLIA1,Col1a1	collagen, type I, alpha 1	04512	ECM-receptor interaction
25259	Gp5,PLGPV	glycoprotein V (platelet)	04512	ECM-receptor interaction
25216	HSPG1,SYNDECA,Sdc1,Synd	syndecan 1	04512	ECM-receptor interaction
25615	HSPG2,Sdc2	syndecan 2	04512	ECM-receptor interaction
311144	Itga4	integrin, alpha 4	04512	ECM-receptor interaction
257645	Itgb5,RGD1563276	integrin, beta 5	04512	ECM-receptor interaction
192362	Lamc2	laminin, gamma 2	04512	ECM-receptor interaction
311862	Lamc3	laminin gamma 3	04512	ECM-receptor interaction
24771	RATRYUDOCA,RYUDOCA,Sd	syndecan 4	04512	ECM-receptor interaction
24718	Reelen,Reln,Rl,reeler	reelin	04512	ECM-receptor interaction
364786	RGD1564327	similar to integrin alpha 8	04512	ECM-receptor interaction
117556	Sv2b	synaptic vesicle glycoprotein 2b	04512	ECM-receptor interaction
292406	TSP-2,Thbs2	thrombospondin 2	04512	ECM-receptor interaction
50563	Cx40,Gja5	gap junction protein, alpha 5	GO:0035050	embryonic heart tube development
24392	Cx43,Gja1,MGC93610	gap junction protein, alpha 1	GO:0035050	embryonic heart tube development
54254	Gata4	GATA binding protein 4	GO:0035050	embryonic heart tube development
79237	Hex,Hhex	hematopoietically expressed homeobox	GO:0035050	embryonic heart tube development
497991	Med1,RGD1559552	mediator complex subunit 1	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
50662	Aml1,Cbfa2,Runx1	runt-related transcription factor 1	GO:0035162	embryonic hemopoiesis
58838	Lnk,Sh2b3	SH2B adaptor protein 3	GO:0035162	embryonic hemopoiesis
497991	Med1,RGD1559552	mediator complex subunit 1	GO:0035162	embryonic hemopoiesis
306571	Moz,Myst3,Runx1,Znf22c	MYST histone acetyltransferase (monocytic leukemia) 3	GO:0035162	embryonic hemopoiesis
304947	Pbx1	pre-B-cell leukemia homeobox 1	GO:0035162	embryonic hemopoiesis
313507	Tal1	T-cell acute lymphocytic leukemia 1	GO:0035162	embryonic hemopoiesis
29263	Acvr2,Acvr2a,rActR-II	activin A receptor, type IIA	GO:0048706	embryonic skeletal system development
29393	COLIA1,Col1a1	collagen, type I, alpha 1	GO:0048706	embryonic skeletal system development
296500	Dlx1,MGC189409	distal-less homeobox 1	GO:0048706	embryonic skeletal system development
497987	Hoxb5,RGD1562292	homeo box B5	GO:0048706	embryonic skeletal system development

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287647	Hoxb9	homeo box B9	GO:0048706	embryonic skeletal system development
315341	Hoxc5	homeo box C5	GO:0048706	embryonic skeletal system development
25495	Nog	noggin	GO:0048706	embryonic skeletal system development
304947	Pbx1	pre-B-cell leukemia homeobox 1	GO:0048706	embryonic skeletal system development
24790	Sp1	Sp1 transcription factor	GO:0048706	embryonic skeletal system development
65218	Agap2,Centg1,Pike	ArfGAP with GTPase domain, ankyrin repeat and PH domain 2	04144	Endocytosis
362300	Agap3,Centg3	ArfGAP with GTPase domain, ankyrin repeat and PH domain 3	04144	Endocytosis
140670	Ap2b1	adaptor-related protein complex 2, beta 1 subunit	04144	Endocytosis
305367	Arap2,Centd1	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2	04144	Endocytosis
362162	Arfgap2,MGC124884,Zfp285	ADP-ribosylation factor GTPase activating protein 2	04144	Endocytosis
25404	Cav,Cav1,MGC187299	caveolin 1, caveolae protein	04144	Endocytosis
117029	Ccr5,Ckr5,Cmkbr5	chemokine (C-C motif) receptor 5	04144	Endocytosis
365024	Chmp1a,Pcoln3	chromatin modifying protein 1A	04144	Endocytosis
689364	Chmp1b	chromatin modifying protein 1B	04144	Endocytosis
297995	Chmp5,RGD1305968	chromatin modifying protein 5	04144	Endocytosis
287873	Chmp6,RGD1565325	chromatin modifying protein 6	04144	Endocytosis
83800	Clta,LCA1,LCA2,LCA3,MGC11011	clathrin, light chain (Lca)	04144	Endocytosis
116561	Cltb	clathrin, light chain (Lcb)	04144	Endocytosis
60628	Cxcr4,MGC108696	chemokine (C-X-C motif) receptor 4	04144	Endocytosis
314764	Eea1	early endosome antigen 1	04144	Endocytosis
293692	Ehd1,RGD1306960	EH-domain containing 1	04144	Endocytosis
60443	Epn2	epsin 2	04144	Endocytosis
360605	Epn3	epsin 3	04144	Endocytosis
25439	F2r,MGC93622,Par1,TRGPC	coagulation factor II (thrombin) receptor	04144	Endocytosis
84489	Fgfr3	fibroblast growth factor receptor 3	04144	Endocytosis
54251	Flt1,VEGFR-1	fms-related tyrosine kinase 1	04144	Endocytosis
304546	Git2,MGC94099	G protein-coupled receptor kinase interacting ArfGAP 2	04144	Endocytosis
294254	Hspa1b2,Hspa22,Hsp70-2,H	heat shock 70kD protein 1B (mapped)	04144	Endocytosis
25718	IGFIRC,Igf1r,JTK13	insulin-like growth factor 1 receptor	04144	Endocytosis
25704	IL2RAC,Il2ra	interleukin 2 receptor, alpha	04144	Endocytosis
404781	Iqsec3,sag	IQ motif and Sec7 domain 3	04144	Endocytosis
311848	MGC105723,Sh3glb2	SH3-domain GRB2-like endophilin B2	04144	Endocytosis
360834	MGC116271,Vps4b	vacuolar protein sorting 4 homolog B (S. cerevisiae)	04144	Endocytosis
64516	MGC93104,Vps45,Vsp45a	vacuolar protein sorting 45 homolog (S. cerevisiae)	04144	Endocytosis
29591	MGC93659,Tgfbr1	transforming growth factor, beta receptor 1	04144	Endocytosis
297173	MGC94489,RSA-14-44	RSA-14-44 protein	04144	Endocytosis
362279	Pard6b	par-6 (partitioning defective 6) homolog beta (C. elegans)	04144	Endocytosis
365865	Pip5k1a2,Pip5k1b2	phosphatidylinositol-4-phosphate 5-kinase, type 1, alpha	04144	Endocytosis
25097	Pld2,Pldc	phospholipase D2	04144	Endocytosis
84006	Prkci2,Pkcl	protein kinase C, iota	04144	Endocytosis
287709	Rab5c	RAB5C, member RAS oncogene family	04144	Endocytosis
29448	Rab7,Rab7a	RAB7A, member RAS oncogene family	04144	Endocytosis
54190	Rabep1	rabaptin, RAB GTPase binding effector protein 1	04144	Endocytosis
303337	RGD1305063,Rab11fip4	RAB11 family interacting protein 4 (class II)	04144	Endocytosis
690516	RGD1309707,Smurf1	similar to RIKEN cDNA 4930431E10	04144	Endocytosis
303614	RGD1310067,Smurf2	SMAD specific E3 ubiquitin protein ligase 2	04144	Endocytosis
499508	RGD1564784,Zfyve16	zinc finger, FYVE domain containing 16	04144	Endocytosis
362814	Rnf41	ring finger protein 41	04144	Endocytosis
24973	RT1-A1,RT1.A1(N),RT1A-1	RT1 class Ia, locus A1	04144	Endocytosis
309627	RT1-A3,RT1-A3,RT1.A3	RT1 class I, locus A3	04144	Endocytosis
311245	Traf6	Tnf receptor-associated factor 6	04144	Endocytosis
296121	Usp8	ubiquitin specific peptidase 8	04144	Endocytosis
313477	Zfyve9	zinc finger, FYVE domain containing 9	04144	Endocytosis
307505	Catna1,Ctnna1,MGC93767	catenin (cadherin associated protein), alpha 1	05213	Endometrial cancer
297357	Catna2,Ctnna2	catenin (cadherin associated protein), alpha 2	05213	Endometrial cancer
58919	Cnd1	cyclin D1	05213	Endometrial cancer

83502	Cdh1	cadherin 1	05213	Endometrial cancer
81504	Grb2,MGC108668	growth factor receptor bound protein 2	05213	Endometrial cancer
170851	Map2k1,Mek1	mitogen activated protein kinase kinase 1	05213	Endometrial cancer
170911	MGC116320,Pik3ca	phosphoinositide-3-kinase, catalytic, alpha polypeptide	05213	Endometrial cancer
50557	MMAc1,Mmac,Pten,TEP1	phosphatase and tensin homolog	05213	Endometrial cancer
366508	Pik3cd	phosphoinositide-3-kinase, catalytic, delta polypeptide	05213	Endometrial cancer
24703	Raf1	v-raf-leukemia viral oncogene 1	05213	Endometrial cancer
85384	Sos11,Sos2	son of sevenless homolog 2 (Drosophila)	05213	Endometrial cancer
312451	Tcf32	transcription factor 3	05213	Endometrial cancer
679869	Tcf7l2	transcription factor 7-like 2 (T-cell specific, HMG-box)	05213	Endometrial cancer
24298	21-OH,Cyp21,Cyp21a1	cytochrome P450, family 21, subfamily a, polypeptide 1	GO:0005789	endoplasmic reticulum membrane
25675	3H3M,Hmgcr	3-hydroxy-3-methylglutaryl-Coenzyme A reductase	GO:0005789	endoplasmic reticulum membrane
266770	Acat-2,Soat2	sterol O-acyltransferase 2	GO:0005789	endoplasmic reticulum membrane
25288	ACS,Acas,Acs1,COAA,Facl2	acyl-CoA synthetase long-chain family member 1	GO:0005789	endoplasmic reticulum membrane
114024	Acs3,Acs13,Facl3	acyl-CoA synthetase long-chain family member 3	GO:0005789	endoplasmic reticulum membrane
305166	Acpat9,MGC114395	1-acylglycerol-3-phosphate O-acyltransferase 9	GO:0005789	endoplasmic reticulum membrane
298646	Agtrap,MGC95145	angiotensin II receptor-associated protein	GO:0005789	endoplasmic reticulum membrane
313231	Alg2	asparagine-linked glycosylation 2, alpha-1,3-mannosyltransferase homolog (S. cerevisiae)	GO:0005789	endoplasmic reticulum membrane
311562	Apba2bp,Necab3	N-terminal EF-hand calcium binding protein 3	GO:0005789	endoplasmic reticulum membrane
80897	Appils,Arts1,Erap1,MGC112	endoplasmic reticulum aminopeptidase 1	GO:0005789	endoplasmic reticulum membrane
24224	Bcl-2,Bcl2	B-cell CLL/lymphoma 2	GO:0005789	endoplasmic reticulum membrane
246272	Cant1,srapy	calcium activated nucleotidase 1	GO:0005789	endoplasmic reticulum membrane
192260	Cdipt,Pis,Pis1	CDP-diacylglycerol-inositol 3-phosphatidyltransferase (phosphatidylinositol synthase)	GO:0005789	endoplasmic reticulum membrane
310773	Cept1,MGC95031	choline/ethanolamine phosphotransferase 1	GO:0005789	endoplasmic reticulum membrane
25428	CHAP,CYP7,CYP7S1,Cyp7a1	cytochrome P450, family 7, subfamily a, polypeptide 1	GO:0005789	endoplasmic reticulum membrane
295457	Cisd2,RGD1566242	CDGSH iron sulfur domain 2	GO:0005789	endoplasmic reticulum membrane
314638	Creb3l3,MGC109013	cAMP responsive element binding protein 3-like 3	GO:0005789	endoplasmic reticulum membrane
24392	Cx43,Gja1,MGC93610	gap junction protein, alpha 1	GO:0005789	endoplasmic reticulum membrane
64001	Cyb5,Cyb5a,MGC108694	cytochrome b5 type A (microsomal)	GO:0005789	endoplasmic reticulum membrane
308445	Cyp2s1	cytochrome P450, family 2, subfamily s, polypeptide 1	GO:0005789	endoplasmic reticulum membrane
290623	Cyp4f18,Cyp4f3,MGC12483	cytochrome P450, family 4, subfamily f, polypeptide 18	GO:0005789	endoplasmic reticulum membrane
25427	Cyp51,Cyp51a1,MGC93630	cytochrome P450, family 51	GO:0005789	endoplasmic reticulum membrane
25113	Ddn,Den	dendrin	GO:0005789	endoplasmic reticulum membrane
252900	Dgat2,MGC108863	diacylglycerol O-acyltransferase homolog 2 (mouse)	GO:0005789	endoplasmic reticulum membrane
296624	Dolpp1	dolichyl pyrophosphate phosphatase 1	GO:0005789	endoplasmic reticulum membrane
117549	Ednrbl,Gpr37,MGC105347	G protein-coupled receptor 37	GO:0005789	endoplasmic reticulum membrane
309449	Elov3	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 3	GO:0005789	endoplasmic reticulum membrane
373544	Ermp1,Fxna	endoplasmic reticulum metalloproteinase 1	GO:0005789	endoplasmic reticulum membrane
311617	Fit21,Fitm2,RGD1307696	fat storage-inducing transmembrane protein 2	GO:0005789	endoplasmic reticulum membrane
246245	Fmo2	flavin containing monooxygenase 2	GO:0005789	endoplasmic reticulum membrane
56718	Frap1,Mtor,RAFT1	mechanistic target of rapamycin (serine/threonine kinase)	GO:0005789	endoplasmic reticulum membrane
29573	G6pt1,Slc37a4	solute carrier family 37 (glucose-6-phosphate transporter), member 4	GO:0005789	endoplasmic reticulum membrane
64154	Gosr2	golgi SNAP receptor complex member 2	GO:0005789	endoplasmic reticulum membrane
79112	GPI-MT-1,Pigm	phosphatidylinositol glycan anchor biosynthesis, class M	GO:0005789	endoplasmic reticulum membrane
362862	Grp94,Hsp90b1,Tra1	heat shock protein 90kDa beta (Grp94), member 1	GO:0005789	endoplasmic reticulum membrane
60671	Gulo	gulonolactone (L-) oxidase	GO:0005789	endoplasmic reticulum membrane
29632	Hsd3b11,Hsd3b6,MGC1092	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 6	GO:0005789	endoplasmic reticulum membrane
170818	Icmt,MGC95322,fcmt	isoprenylcysteine carboxyl methyltransferase	GO:0005789	endoplasmic reticulum membrane
287633	Lrrc59,MGC105677	leucine rich repeat containing 59	GO:0005789	endoplasmic reticulum membrane
81681	Lss	lanosterol synthase (2,3-oxidosqualene-lanosterol cyclase)	GO:0005789	endoplasmic reticulum membrane
362849	MARCH-II,March2,RGD1306	membrane-associated ring finger (C3HC4) 2	GO:0005789	endoplasmic reticulum membrane
25672	MCR,Mlr,Nr3c2	nuclear receptor subfamily 3, group C, member 2	GO:0005789	endoplasmic reticulum membrane
315286	MGC105614,RGD1311532,T	transmembrane protein 106C	GO:0005789	endoplasmic reticulum membrane
366792	MGC109041,Mettl7b,RGD1:	methyltransferase like 7B	GO:0005789	endoplasmic reticulum membrane
289196	MGC109554,Tmco1	transmembrane and coiled-coil domains 1	GO:0005789	endoplasmic reticulum membrane
64134	MGC124608,Xylt2,xylt-II	xylosyltransferase II	GO:0005789	endoplasmic reticulum membrane

enriched genes FLX07

24950	MGC156498,S5AR 1,Srd5a1	steroid-5-alpha-reductase, alpha polypeptide 1 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 1)	GO:0005789	endoplasmic reticulum membrane
304881	MGC72610,Tor1aip2	torsin A interacting protein 2	GO:0005789	endoplasmic reticulum membrane
299799	MGC94502,Rab21	RAB21, member RAS oncogene family	GO:0005789	endoplasmic reticulum membrane
314648	Ncln,RGD1309355	nicalin homolog (zebrafish)	GO:0005789	endoplasmic reticulum membrane
116644	Nsp,Rtn1	reticulum 1	GO:0005789	endoplasmic reticulum membrane
315435	Panx1,px1	Pannexin 1	GO:0005789	endoplasmic reticulum membrane
303277	Pigs	phosphatidylinositol glycan anchor biosynthesis, class S	GO:0005789	endoplasmic reticulum membrane
502782	Pigy,Prey	phosphatidylinositol glycan anchor biosynthesis, class Y	GO:0005789	endoplasmic reticulum membrane
89812	Pip4k2b,Pip5k2b	phosphatidylinositol-5-phosphate 4-kinase, type II, beta	GO:0005789	endoplasmic reticulum membrane
113975	Pom121	nuclear pore membrane protein 121	GO:0005789	endoplasmic reticulum membrane
58842	Preb	prolactin regulatory element binding	GO:0005789	endoplasmic reticulum membrane
29602	Ptgfrn	prostaglandin F2 receptor negative regulator	GO:0005789	endoplasmic reticulum membrane
80881	RAMP4,Serp1	stress-associated endoplasmic reticulum protein 1	GO:0005789	endoplasmic reticulum membrane
29434	Rasgrp,Rasgrp1	RAS guanyl releasing protein 1 (calcium and DAG-regulated)	GO:0005789	endoplasmic reticulum membrane
309153	Rce1	RCE1 homolog, prenyl protein peptidase (S. cerevisiae)	GO:0005789	endoplasmic reticulum membrane
362757	Rdh11	retinol dehydrogenase 11 (all-trans/9-cis/11-cis)	GO:0005789	endoplasmic reticulum membrane
362521	RGD1305703,Tmem38b	transmembrane protein 38B	GO:0005789	endoplasmic reticulum membrane
310633	RGD1308273,Ubqln4	ubiquilin 4	GO:0005789	endoplasmic reticulum membrane
305291	RGD1308828,S5AR 3,Srd5a3	steroid 5 alpha-reductase 3	GO:0005789	endoplasmic reticulum membrane
362732	RGD1312038,Tmem195	transmembrane protein 195	GO:0005789	endoplasmic reticulum membrane
140945	Rtn3	reticulum 3	GO:0005789	endoplasmic reticulum membrane
83792	Scd,Scd2	stearoyl-CoA desaturase (delta-9-desaturase)	GO:0005789	endoplasmic reticulum membrane
246074	Scd1	stearoyl-Coenzyme A desaturase 1	GO:0005789	endoplasmic reticulum membrane
65166	Sec11a,Sec11l1,Spc18	SEC11 homolog A (S. cerevisiae)	GO:0005789	endoplasmic reticulum membrane
117513	Sec22a,Sec22l2	SEC22 vesicle trafficking protein homolog A (S. cerevisiae)	GO:0005789	endoplasmic reticulum membrane
286900	Sels,sg2	selenoprotein 5	GO:0005789	endoplasmic reticulum membrane
361319	Spink5	serine peptidase inhibitor, Kazal type 5	GO:0005789	endoplasmic reticulum membrane
29230	Sqle	squalene epoxidase	GO:0005789	endoplasmic reticulum membrane
361233	Ssr1	signal sequence receptor, alpha	GO:0005789	endoplasmic reticulum membrane
361618	Stim1	stromal interaction molecule 1	GO:0005789	endoplasmic reticulum membrane
313067	Tmem67,Wpk	transmembrane protein 67	GO:0005789	endoplasmic reticulum membrane
362751	Tmx1,Txndc1	thioredoxin-related transmembrane protein 1	GO:0005789	endoplasmic reticulum membrane
304766	Ubxl2,Ubxn4	UBX domain protein 4	GO:0005789	endoplasmic reticulum membrane
24861	UDPGT 1-1,Udpgt1,Ugt11,U	UDP glucuronosyltransferase 1 family, polypeptide A1	GO:0005789	endoplasmic reticulum membrane
396527	Udpgt4,Ugt16,UDPGT 1-2,U	UDP glucuronosyltransferase 1 family, polypeptide A2	GO:0005789	endoplasmic reticulum membrane
301595	Ugt14,Ugt1a82,UDPGT 1-8,l	UDP glycosyltransferase 1 family, polypeptide A8	GO:0005789	endoplasmic reticulum membrane
396551	Ugt17,UDPGT 1-3,Ugt1a3,Uj	UDP glycosyltransferase 1 family, polypeptide A3	GO:0005789	endoplasmic reticulum membrane
574523	Ugt18,Ugt1a62,UDPGT 1-5,l	UDP glucuronosyltransferase 1 family, polypeptide A5	GO:0005789	endoplasmic reticulum membrane
396552	Ugt1a92,Ugt1a10,Ugt1a11	UDP glucuronosyltransferase 1 family, polypeptide A9	GO:0005789	endoplasmic reticulum membrane
24862	Ugt2b,Ugt2b2	UDP glycosyltransferase 2 family, polypeptide B	GO:0005789	endoplasmic reticulum membrane
58857	Vapa	VAMP (vesicle-associated membrane protein)-associated protein A	GO:0005789	endoplasmic reticulum membrane
297096	MGC109202,Snx10	sorting nexin 10	GO:0031313	extrinsic to endosome membrane
64088	Snx16	sorting nexin 16	GO:0031313	extrinsic to endosome membrane
296199	Snx5	sorting nexin 5	GO:0031313	extrinsic to endosome membrane
296121	Usp8	ubiquitin specific peptidase 8	GO:0031313	extrinsic to endosome membrane
24224	Bcl-2,Bcl2	B-cell CLL/lymphoma 2	GO:0000082	G1/S transition of mitotic cell cycle
24674	Calna1,Ppp3ca	protein phosphatase 3, catalytic subunit, alpha isoform	GO:0000082	G1/S transition of mitotic cell cycle
58919	Ccnd1	cyclin D1	GO:0000082	G1/S transition of mitotic cell cycle
171102	Cdc25a	cell division cycle 25 homolog A (S. pombe)	GO:0000082	G1/S transition of mitotic cell cycle
94201	Cdk4	cyclin-dependent kinase 4	GO:0000082	G1/S transition of mitotic cell cycle
399489	E2f1	E2F transcription factor 1	GO:0000082	G1/S transition of mitotic cell cycle
117045	Eif4e,MGC93265	eukaryotic translation initiation factor 4E	GO:0000082	G1/S transition of mitotic cell cycle
56718	Frap1,Mtor,RAFT1	mechanistic target of rapamycin (serine/threonine kinase)	GO:0000082	G1/S transition of mitotic cell cycle
314480	G2a,Gpr132	G protein-coupled receptor 132	GO:0000082	G1/S transition of mitotic cell cycle
305922	Lats2	large tumor suppressor 2	GO:0000082	G1/S transition of mitotic cell cycle
24708	Rb1	retinoblastoma 1	GO:0000082	G1/S transition of mitotic cell cycle

294790	RGD1562456,Skp2	S-phase kinase-associated protein 2 (p45)	GO:0000082	G1/S transition of mitotic cell cycle
50563	Cx40,Gja5	gap junction protein, alpha 5	GO:0005243	gap junction channel activity
24392	Cx43,Gja1,MGC93610	gap junction protein, alpha 1	GO:0005243	gap junction channel activity
394266	CXN-26,Cx26,Gjb2,MGC9381	gap junction protein, beta 2	GO:0005243	gap junction channel activity
315435	Panx1,px1	Pannexin 1	GO:0005243	gap junction channel activity
362979	Panx2	pannexin 2	GO:0005243	gap junction channel activity
81636	Adcy2	adenylate cyclase 2 (brain)	04971	Gastric acid secretion
24211	Atp1a1,Nkaa1b	ATPase, Na+/K+ transporting, alpha 1 polypeptide	04971	Gastric acid secretion
24212	Atp1a2,RATATPA2	ATPase, Na+/K+ transporting, alpha 2 polypeptide	04971	Gastric acid secretion
24213	Atp1a3,Atpa1a3	ATPase, Na+/K+ transporting, alpha 3 polypeptide	04971	Gastric acid secretion
25390	Atp1b3,NKAB3S	ATPase, Na+/K+ transporting, beta 3 polypeptide	04971	Gastric acid secretion
24214	ATPB2,ATPB2S,Amog,Atp1b	ATPase, Na+/K+ transporting, beta 2 polypeptide	04971	Gastric acid secretion
25706	Cck2r,Cckbr,Cholrec	cholecystokinin B receptor	04971	Gastric acid secretion
24255	Cftr,RGD1561193	cystic fibrosis transmembrane conductance regulator homolog (human)	04971	Gastric acid secretion
54319	Ezr,MGC94076,Vil2	ezrin	04971	Gastric acid secretion
29719	Kcnj16,Kir5.1	potassium inwardly-rectifying channel, subfamily J, member 16	04971	Gastric acid secretion
65272	Kcnk10,TREK2	potassium channel, subfamily K, member 10	04971	Gastric acid secretion
170899	Kcnk2,Trek-1,rTREK1d	potassium channel, subfamily K, member 2	04971	Gastric acid secretion
288057	Myk	myosin light chain kinase	04971	Gastric acid secretion
24785	Nhe4,Slc9a4	solute carrier family 9 (sodium/hydrogen exchanger), member 4	04971	Gastric acid secretion
25023	Pkcb,Prkcb,Prkcb1	protein kinase C, beta	04971	Gastric acid secretion
24654	PLC1,PLCbeta1,Phosphb,Pl	phospholipase C, beta 1 (phosphoinositide-specific)	04971	Gastric acid secretion
54305	Smstr2,Sstr2	somatostatin receptor 2	04971	Gastric acid secretion
58919	Ccnd1	cyclin D1	05214	Glioma
94201	Cdk4	cyclin-dependent kinase 4	05214	Glioma
399489	E2f1	E2F transcription factor 1	05214	Glioma
56718	Frap1,Mtor,RAFT1	mechanistic target of rapamycin (serine/threonine kinase)	05214	Glioma
81504	Grb2,MGC108668	growth factor receptor bound protein 2	05214	Glioma
24482	Igf1	insulin-like growth factor 1	05214	Glioma
25718	IGFIRC,Igf1r,ITK13	insulin-like growth factor 1 receptor	05214	Glioma
170851	Map2k1,Mek1	mitogen activated protein kinase kinase 1	05214	Glioma
170911	MGC116320,Pik3ca	phosphoinositide-3-kinase, catalytic, alpha polypeptide	05214	Glioma
50557	MMAC1,Mmac,Pten,TEP1	phosphatase and tensin homolog	05214	Glioma
24629	Pdgfrb	platelet derived growth factor receptor, beta polypeptide	05214	Glioma
366508	Pik3cd	phosphoinositide-3-kinase, catalytic, delta polypeptide	05214	Glioma
25023	Pkcb,Prkcb,Prkcb1	protein kinase C, beta	05214	Glioma
25738	PPLCA,Plcg1	phospholipase C, gamma 1	05214	Glioma
24703	Raf1	v-raf-leukemia viral oncogene 1	05214	Glioma
24708	Rb1	retinoblastoma 1	05214	Glioma
85384	Sos11,Sos2	son of sevenless homolog 2 (Drosophila)	05214	Glioma
25576	14-3-3e1,MGC93547,Ywhah	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, eta polypeptide	GO:0042921	glucocorticoid receptor signaling pathway
297867	Arid1a	AT rich interactive domain 1A (SWI-like)	GO:0042921	glucocorticoid receptor signaling pathway
24413	GR,Gcr,Grl,Nr3c1	nuclear receptor subfamily 3, group C, member 1	GO:0042921	glucocorticoid receptor signaling pathway
362809	MGC188278,Ptges3,RGD156	prostaglandin E synthase 3 (cytosolic)	GO:0042921	glucocorticoid receptor signaling pathway
286970	Abca5	ATP-binding cassette, subfamily A (ABC1), member 5	GO:0005794	Golgi apparatus
81754	Ac2-048,Rab1,Rab1A,Rab1r	RAB1, member RAS oncogene family	GO:0005794	Golgi apparatus
313339	Acer2,Asah3l	alkaline ceramidase 2	GO:0005794	Golgi apparatus
298646	Agtrap,MGC95145	angiotensin II receptor-associated protein	GO:0005794	Golgi apparatus
116633	Akap8,Akap95	A kinase (PRKA) anchor protein 8	GO:0005794	Golgi apparatus
246150	Akap9,CG-NAP,Gisp,Yotiao	A kinase (PRKA) anchor protein (yotiao) 9	GO:0005794	Golgi apparatus
116654	ALR2,Exoc4,Sec8,Sec8l1	exocyst complex component 4	GO:0005794	Golgi apparatus
306332	Ap1m1,MGC125095	adaptor-related protein complex 1, mu 1 subunit	GO:0005794	Golgi apparatus
81002	Ard11,Ard1,Trim23	tripartite motif-containing 23	GO:0005794	Golgi apparatus
140940	Arf3	ADP-ribosylation factor 3	GO:0005794	Golgi apparatus
79120	Arf4	ADP-ribosylation factor 4	GO:0005794	Golgi apparatus
362162	Arfgap2,MGC124884,Zfp285	ADP-ribosylation factor GTPase activating protein 2	GO:0005794	Golgi apparatus

65142	Arl2	ADP-ribosylation factor-like 2	GO:0005794	Golgi apparatus
301511	Arcp2	actin related protein 2/3 complex, subunit 2	GO:0005794	Golgi apparatus
363254	Atg9a,MGC105908,RGD1311	ATG9 autophagy related 9 homolog A (S. cerevisiae)	GO:0005794	Golgi apparatus
306487	Atip3b,Mtsg1,Mtus1	mitochondrial tumor suppressor 1	GO:0005794	Golgi apparatus
24213	Atp1a3,Atpa1a3	ATPase, Na+/K+ transporting, alpha 3 polypeptide	GO:0005794	Golgi apparatus
170699	Atp2c1,MGC93231	ATPase, Ca++ transporting, type 2C, member 1	GO:0005794	Golgi apparatus
117596	Atp6b1b2,Atp6b2,Atp6v1b2	ATPase, H transporting, lysosomal V1 subunit B2	GO:0005794	Golgi apparatus
291212	B3galnt2,RGD1306946	beta-1,3-N-acetylgalactosaminyltransferase 2	GO:0005794	Golgi apparatus
366064	B3galnt1	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 1	GO:0005794	Golgi apparatus
288752	B3gnt4	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 4	GO:0005794	Golgi apparatus
116740	B3gnt5	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 5	GO:0005794	Golgi apparatus
65196	B4galnt6	UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 6	GO:0005794	Golgi apparatus
362564	Bend5	BEN domain containing 5	GO:0005794	Golgi apparatus
79431	Bhlhb2,Bhlhe40,Dec1,SHAR1	basic helix-loop-helix family, member e40	GO:0005794	Golgi apparatus
498266	Bizf1	basic leucine zipper nuclear factor 1	GO:0005794	Golgi apparatus
306748	BRAK,Cxcl14,MGC124510	chemokine (C-X-C motif) ligand 14	GO:0005794	Golgi apparatus
25247	Bsmrb,Neep21,NSg1,PEP1	neuron specific gene family member 1	GO:0005794	Golgi apparatus
246272	Cant1,srapy	calcium activated nucleotidase 1	GO:0005794	Golgi apparatus
686019	Casq1	calsequestrin 1 (fast-twitch, skeletal muscle)	GO:0005794	Golgi apparatus
25423	CATC,Ctsc,DPP-I,DPPI	cathepsin C	GO:0005794	Golgi apparatus
25404	Cav,Cav1,MGC187299	caveolin 1, caveolae protein	GO:0005794	Golgi apparatus
312863	Ccdc91	coiled-coil domain containing 91	GO:0005794	Golgi apparatus
29184	Cd36,Fat1,MGC108510,MGC1	CD36 molecule (thrombospondin receptor)	GO:0005794	Golgi apparatus
25406	CD44A,Cd44,METAA,MGC1	Cd44 molecule	GO:0005794	Golgi apparatus
192260	Cdipt,Pis,Pis1	CDP-diacylglycerol--inositol 3-phosphatidyltransferase (phosphatidylinositol synthase)	GO:0005794	Golgi apparatus
170808	CL-2',Capn8,Clis4,nCL-2	calpain 8	GO:0005794	Golgi apparatus
114514	Clasp2	cytoplasmic linker associated protein 2	GO:0005794	Golgi apparatus
366311	Clavesin-1,Clvs1,RGD15642	clavesin 1	GO:0005794	Golgi apparatus
170927	Clicc1,Mclc	chloride channel CLIC-like 1	GO:0005794	Golgi apparatus
306128	Cln5	ceroid-lipofuscinosis, neuronal 5	GO:0005794	Golgi apparatus
301555	Cul3,MGC189292	cullin 3	GO:0005794	Golgi apparatus
24392	Cx43,Gja1,MGC93610	gap junction protein, alpha 1	GO:0005794	Golgi apparatus
308942	Denn5a,Rab6ip1	DENN/MADD domain containing 5A	GO:0005794	Golgi apparatus
290234	Dhrs1,MGC94370	dehydrogenase/reductase (SDR family) member 1	GO:0005794	Golgi apparatus
29489	Dnch1,Dnchc1,Dync1h1	dynein cytoplasmic 1 heavy chain 1	GO:0005794	Golgi apparatus
114764	Eb1,Mapre1	microtubule-associated protein, RP/EB family, member 1	GO:0005794	Golgi apparatus
299864	Ebag9,MGC94627	estrogen receptor binding site associated, antigen, 9	GO:0005794	Golgi apparatus
307545	Elp2,MGC124711,Statip1	elongation protein 2 homolog (S. cerevisiae)	GO:0005794	Golgi apparatus
310540	Ened,Fam198b,MGC72614	family with sequence similarity 198, member B	GO:0005794	Golgi apparatus
303968	Esrrb1,ift57	intraflagellar transport 57 homolog (Chlamydomonas)	GO:0005794	Golgi apparatus
619558	Fam134b	family with sequence similarity 134, member B	GO:0005794	Golgi apparatus
304885	Fam20b,RGD1311162	family with sequence similarity 20, member B	GO:0005794	Golgi apparatus
360903	Fgfr5,Fgfr1	fibroblast growth factor receptor-like 1	GO:0005794	Golgi apparatus
499856	Fibin	fin bud initiation factor homolog (zebrafish)	GO:0005794	Golgi apparatus
308390	Fkrp,MGC116338	fukutin related protein	GO:0005794	Golgi apparatus
54251	Flt1,VEGFR-1	fms-related tyrosine kinase 1	GO:0005794	Golgi apparatus
56718	Frap1,Mtor,RAFT1	mechanistic target of rapamycin (serine/threonine kinase)	GO:0005794	Golgi apparatus
81919	Fut1,Futa	fucosyltransferase 1	GO:0005794	Golgi apparatus
299002	G2e3,RGD1310263	G2/M-phase specific E3 ubiquitin ligase	GO:0005794	Golgi apparatus
498166	Gal3st4,RGD1561105	galactose-3-O-sulfotransferase 4	GO:0005794	Golgi apparatus
313878	Galnt14	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 14 (GalNAc-T14)	GO:0005794	Golgi apparatus
292090	Galnt2	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 2 (GalNAc-T2)	GO:0005794	Golgi apparatus
366061	Galnt3,MGC124508	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 3 (GalNAc-T3)	GO:0005794	Golgi apparatus
83627	Galnt5	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 5 (GalNAc-T5)	GO:0005794	Golgi apparatus
500112	Gimap8,janT,MGC116406	GTPase, IMAP family member 8	GO:0005794	Golgi apparatus
361202	Gkap1	G kinase anchoring protein 1	GO:0005794	Golgi apparatus

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498486	Gnpnat1,RGD1563144	glucosamine-phosphate N-acetyltransferase 1	GO:0005794	Golgi apparatus
309774	Gopc	golgi associated PDZ and coiled-coil motif containing	GO:0005794	Golgi apparatus
64154	Gosr2	golgi SNAP receptor complex member 2	GO:0005794	Golgi apparatus
58844	Grb14	growth factor receptor bound protein 14	GO:0005794	Golgi apparatus
81504	Grb2,MGC108668	growth factor receptor bound protein 2	GO:0005794	Golgi apparatus
114520	Gs2na,Sg2na,Strn3	striatin, calmodulin binding protein 3	GO:0005794	Golgi apparatus
29542	Hcnp,Pbp,Pebp1,Rkip	phosphatidylethanolamine binding protein 1	GO:0005794	Golgi apparatus
192154	Hip1	huntingtin interacting protein 1	GO:0005794	Golgi apparatus
308939	Ipo7	importin 7	GO:0005794	Golgi apparatus
301575	Itm2c,MGC94903	integral membrane protein 2C	GO:0005794	Golgi apparatus
362303	Khlh7	kelch-like 7 (Drosophila)	GO:0005794	Golgi apparatus
315731	Larp6,RGD1308414	La ribonucleoprotein domain family, member 6	GO:0005794	Golgi apparatus
304286	Lmtk2	lemur tyrosine kinase 2	GO:0005794	Golgi apparatus
29216	Lrp2	low density lipoprotein-related protein 2	GO:0005794	Golgi apparatus
171143	LTrpC-4,Mls2s,Trpm4	transient receptor potential cation channel, subfamily M, member 4	GO:0005794	Golgi apparatus
25478	Man2a1,Mana2,Manno	mannosidase, alpha, class 2A, member 1	GO:0005794	Golgi apparatus
170851	Map2k1,Mek1	mitogen activated protein kinase kinase 1	GO:0005794	Golgi apparatus
360743	Med15,Pcqap	mediator complex subunit 15	GO:0005794	Golgi apparatus
29582	Mgat3	mannosyl (beta-1,4-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase	GO:0005794	Golgi apparatus
367252	Mgat4a	mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isozyme A	GO:0005794	Golgi apparatus
311791	MGC108530,Zmynd19,miziq	zinc finger, MYND-type containing 19	GO:0005794	Golgi apparatus
192152	MGC108592,Tgn38,Tgoln1,1	trans-golgi network protein	GO:0005794	Golgi apparatus
679712	MGC109392,Myef2	myelin expression factor 2	GO:0005794	Golgi apparatus
289196	MGC109554,Tmco1	transmembrane and coiled-coil domains 1	GO:0005794	Golgi apparatus
64134	MGC124608,Xylt2,xylt-ii	xylosyltransferase II	GO:0005794	Golgi apparatus
65134	MGC156622,Stx5,Stx5a	syntaxin 5	GO:0005794	Golgi apparatus
65165	MGC72390,Rnp24,Tmed2	transmembrane emp24 domain trafficking protein 2	GO:0005794	Golgi apparatus
316241	MGC72568,Nfkbie,Slc35b21	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, epsilon	GO:0005794	Golgi apparatus
286990	MGC93073,RGD708449,Tox	TOX high mobility group box family member 4	GO:0005794	Golgi apparatus
64516	MGC93104,Vps45,Vsp45a	vacuolar protein sorting 45 homolog (S. cerevisiae)	GO:0005794	Golgi apparatus
60562	MGC93348,Stx6	syntaxin 6	GO:0005794	Golgi apparatus
362087	MGC94349,Ubac1,Ubac1	UBA domain containing 1	GO:0005794	Golgi apparatus
299799	MGC94502,Rab21	RAB21, member RAS oncogene family	GO:0005794	Golgi apparatus
65168	MGC94592,Scamp2	secretory carrier membrane protein 2	GO:0005794	Golgi apparatus
300886	MGC95139,Mthfs	5,10-methylenetetrahydrofolate synthetase (5-formyltetrahydrofolate cyclo-ligase)	GO:0005794	Golgi apparatus
315655	MGC95168,Rdx	radixin	GO:0005794	Golgi apparatus
64824	Nab1	Ngfi-A binding protein 1	GO:0005794	Golgi apparatus
307382	Napg	N-ethylmaleimide-sensitive factor attachment protein, gamma	GO:0005794	Golgi apparatus
114002	Ndst2	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 2	GO:0005794	Golgi apparatus
289095	Nmnat2	nicotinamide nucleotide adenyllyltransferase 2	GO:0005794	Golgi apparatus
25496	NOTCH,Notch1,TAN1	Notch homolog 1, translocation-associated (Drosophila)	GO:0005794	Golgi apparatus
84595	Nucb,Nucb1	nucleobindin 1	GO:0005794	Golgi apparatus
361757	Opalin,Tmem10	oligodendrocytic myelin paranodal and inner loop protein	GO:0005794	Golgi apparatus
60325	Pai2a,Serpinb2	serpin peptidase inhibitor, clade B (ovalbumin), member 2	GO:0005794	Golgi apparatus
94202	Pcctp1,Ptpr	protein tyrosine phosphatase, receptor type, R	GO:0005794	Golgi apparatus
292949	Perp	PERP, TP53 apoptosis effector	GO:0005794	Golgi apparatus
116720	Pik3c2g	phosphoinositide-3-kinase, class 2, gamma polypeptide	GO:0005794	Golgi apparatus
25097	Pld2,Pldc	phospholipase D2	GO:0005794	Golgi apparatus
24686	Prp,Prm,Prnp	prion protein	GO:0005794	Golgi apparatus
29602	Ptgrn	prostaglandin F2 receptor negative regulator	GO:0005794	Golgi apparatus
84491	Qscn6,Qsox,Qsox1,Sox-2,rsf	quiescin Q6 sulfhydryl oxidase 1	GO:0005794	Golgi apparatus
252916	R,Rab38,Ruby	RAB38, member RAS oncogene family	GO:0005794	Golgi apparatus
365793	Rab33b	RAB33B, member of RAS oncogene family	GO:0005794	Golgi apparatus
29448	Rab7,Rab7a	RAB7A, member RAS oncogene family	GO:0005794	Golgi apparatus
117044	Raga,Rraga	Ras-related GTP binding A	GO:0005794	Golgi apparatus
29434	Rasgrp,Rasgrp1	RAS guanyl releasing protein 1 (calcium and DAG-regulated)	GO:0005794	Golgi apparatus

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24771	RATRYUDOCA,RYUDOCA,Sdi	syndecan 4	GO:0005794	Golgi apparatus
363136	RGD1310540,Tmem115	transmembrane protein 115	GO:0005794	Golgi apparatus
140945	Rtn3	reticulon 3	GO:0005794	Golgi apparatus
304023	Siat10,St3gal6	ST3 beta-galactoside alpha-2,3-sialyltransferase 6	GO:0005794	Golgi apparatus
64442	Siat4b,Siat5,St3gal2	ST3 beta-galactoside alpha-2,3-sialyltransferase 2	GO:0005794	Golgi apparatus
287920	Siat7A,St6galnac1	ST6 (alpha-N-acetyl-neuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase 6	GO:0005794	Golgi apparatus
310808	Slc35a3	solute carrier family 35 (UDP-N-acetylglucosamine (UDP-GlcNAc) transporter), member A3	GO:0005794	Golgi apparatus
306009	Slc39a14	solute carrier family 39 (zinc transporter), member 14	GO:0005794	Golgi apparatus
311651	Slc9a8	solute carrier family 9 (sodium/hydrogen exchanger), member 8	GO:0005794	Golgi apparatus
94338	Smpd3,cca1	sphingomyelin phosphodiesterase 3, neutral membrane	GO:0005794	Golgi apparatus
64630	Snap23	synaptosomal-associated protein 23	GO:0005794	Golgi apparatus
307348	Spire1	spire homolog 1 (Drosophila)	GO:0005794	Golgi apparatus
499991	Steap4	STEAP family member 4	GO:0005794	Golgi apparatus
292994	Tjp1,ZO-1	tight junction protein 1	GO:0005794	Golgi apparatus
315957	Tmem22	transmembrane protein 22	GO:0005794	Golgi apparatus
685882	Tmem90a	transmembrane protein 90A	GO:0005794	Golgi apparatus
292041	Wwox	WW domain-containing oxidoreductase	GO:0005794	Golgi apparatus
301081	Zdhhc3	zinc finger, DHHC-type containing 3	GO:0005794	Golgi apparatus
313564	Zmpste24	zinc metalloproteinase, STE24 homolog (S. cerevisiae)	GO:0005794	Golgi apparatus
307362	Znf532	zinc finger protein 532	GO:0005794	Golgi apparatus
295543	Pigk	phosphatidylinositol glycan anchor biosynthesis, class K	GO:0003923	GPI-anchor transamidase activity
303277	Pigs	phosphatidylinositol glycan anchor biosynthesis, class S	GO:0003923	GPI-anchor transamidase activity
296360	Pigt	phosphatidylinositol glycan anchor biosynthesis, class T	GO:0003923	GPI-anchor transamidase activity
24699	CD45,L-CA,Lca,Ptpcr,RT7,T2l	protein tyrosine phosphatase, receptor type, C	GO:0043395	heparan sulfate proteoglycan binding
171517	Gpc2	glypican 2	GO:0043395	heparan sulfate proteoglycan binding
306157	Gpc5	glypican 5	GO:0043395	heparan sulfate proteoglycan binding
360272	Slit2	slit homolog 2 (Drosophila)	GO:0043395	heparan sulfate proteoglycan binding
25706	Cck2r,Cckbr,Cholrec	cholecystokinin B receptor	GO:0001821	histamine secretion
24323	Edn1,Et1	endothelin 1	GO:0001821	histamine secretion
24326	ENDOR,Ednra1,Eta,RATENDI	endothelin receptor type A	GO:0001821	histamine secretion
81508	Bhmt	betaine-homocysteine methyltransferase	GO:0008898	homocysteine S-methyltransferase activity
365972	Bhmt2	betaine-homocysteine methyltransferase 2	GO:0008898	homocysteine S-methyltransferase activity
81522	Mtr,methioninesynthase	5-methyltetrahydrofolate-homocysteine methyltransferase	GO:0008898	homocysteine S-methyltransferase activity
24851	Alpha-tm,Tma2,Tmsa,Tpm1	tropomyosin 1, alpha	GO:0001701	in utero embryonic development
50662	Aml1,Cbfa2,Runx1	runt-related transcription factor 1	GO:0001701	in utero embryonic development
25243	Arnt2	aryl hydrocarbon receptor nuclear translocator 2	GO:0001701	in utero embryonic development
81507	Bmpr1a	bone morphogenetic protein receptor, type IA	GO:0001701	in utero embryonic development
500538	Byb1,Cbfa,Dbpb,Ef1a,Msy1,	Y box binding protein 1	GO:0001701	in utero embryonic development
83502	Cdh1	cadherin 1	GO:0001701	in utero embryonic development
301555	Cul3,MGC189292	cullin 3	GO:0001701	in utero embryonic development
24392	Cx43,Gja1,MGC93610	gap junction protein, alpha 1	GO:0001701	in utero embryonic development
309680	Dnmt3l	DNA (cytosine-5-)-methyltransferase 3-like	GO:0001701	in utero embryonic development
498003	Dusp32,MGC189429,RGD15	dual specificity phosphatase 3	GO:0001701	in utero embryonic development
24323	Edn1,Et1	endothelin 1	GO:0001701	in utero embryonic development
406166	Egfl8,MGC156528,Ng3	EGF-like-domain, multiple 8	GO:0001701	in utero embryonic development
306347	Ell	elongation factor RNA polymerase II	GO:0001701	in utero embryonic development
24326	ENDOR,Ednra1,Eta,RATENDI	endothelin receptor type A	GO:0001701	in utero embryonic development
24333	Eno1	enolase 1, (alpha)	GO:0001701	in utero embryonic development
308415	Ercc2	excision repair cross-complementing rodent repair deficiency, complementation group 2	GO:0001701	in utero embryonic development
25099	Foxa2,Hnf3b	forkhead box A2	GO:0001701	in utero embryonic development
363735	Gabpa,Nrf-2alpha,Nrf2a	GA binding protein transcription factor, alpha subunit	GO:0001701	in utero embryonic development
24379	Gad1,Gad67	glutamate decarboxylase 1	GO:0001701	in utero embryonic development
54254	Gata4	GATA binding protein 4	GO:0001701	in utero embryonic development
81663	Gna12	guanine nucleotide binding protein (G protein) alpha 12	GO:0001701	in utero embryonic development
81816	HR6B,Ube2b	ubiquitin-conjugating enzyme E2B (RAD6 homolog, S. cerevisiae)	GO:0001701	in utero embryonic development
170818	Icmt,MGC95322,fcmt	isoprenylcysteine carboxyl methyltransferase	GO:0001701	in utero embryonic development

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366960	Maff	v-maf musculoaponeurotic fibrosarcoma oncogene homolog F (avian)	GO:0001701	in utero embryonic development
25478	Man2a1,Mana2,Manno	mannosidase, alpha, class 2A, member 1	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
497991	Med1,RGD1559552	mediator complex subunit 1	GO:0001701	in utero embryonic development
65165	MGC72390,Rnp24,Tmed2	transmembrane emp24 domain trafficking protein 2	GO:0001701	in utero embryonic development
29591	MGC93659,Tgfrb1	transforming growth factor, beta receptor 1	GO:0001701	in utero embryonic development
25484	MYR5,Myo1e,Myr3	myosin IE	GO:0001701	in utero embryonic development
360801	Ncor2	nuclear receptor co-repressor 2	GO:0001701	in utero embryonic development
25495	Nog	noggin	GO:0001701	in utero embryonic development
25496	NOTCH,Notch1,TAN1	Notch homolog 1, translocation-associated (Drosophila)	GO:0001701	in utero embryonic development
94202	Pcptp1,Ptpr	protein tyrosine phosphatase, receptor type, R	GO:0001701	in utero embryonic development
24629	Pdgfrb	platelet derived growth factor receptor, beta polypeptide	GO:0001701	in utero embryonic development
25738	PPLCA,Plcg1	phospholipase C, gamma 1	GO:0001701	in utero embryonic development
309871	Prdm1	PR domain containing 1, with ZNF domain	GO:0001701	in utero embryonic development
361103	Rai17,Zmiz1	zinc finger, MIZ-type containing 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
307724	RGD1311099,Rpgrip11	Rpgrip1-like	GO:0001701	in utero embryonic development
304486	RGD1566266,Tctn1	tectonic family member 1	GO:0001701	in utero embryonic development
689890	Sfrs1,Srsf1	splicing factor, arginine/serine-rich 1	GO:0001701	in utero embryonic development
360272	Slit2	slit homolog 2 (Drosophila)	GO:0001701	in utero embryonic development
293165	Sox6	SRY (sex determining region Y)-box 6	GO:0001701	in utero embryonic development
24790	Sp1	Sp1 transcription factor	GO:0001701	in utero embryonic development
501099	Srf2,RGD1559787	serum response factor (c-fos serum response element-binding transcription factor)	GO:0001701	in utero embryonic development
303586	Wnt9b	wingless-type MMTV integration site family, member 9B	GO:0001701	in utero embryonic development
293960	Zfand5,Zfp216	zinc finger, AN1-type domain 5	GO:0001701	in utero embryonic development
298521	GluR7,Grik3,gluR-7	glutamate receptor, ionotropic, kainate 3	GO:0007196	inhibition of adenylate cyclase activity by metabotropic glutamate receptor signaling pathway
24415	Grm2	glutamate receptor, metabotropic 2	GO:0007196	inhibition of adenylate cyclase activity by metabotropic glutamate receptor signaling pathway
24416	Grm3,mGluR3	glutamate receptor, metabotropic 3	GO:0007196	inhibition of adenylate cyclase activity by metabotropic glutamate receptor signaling pathway
24417	Grm4	glutamate receptor, metabotropic 4	GO:0007196	inhibition of adenylate cyclase activity by metabotropic glutamate receptor signaling pathway
59268	lhpk2,lp6k2,Pius	inositol hexakisphosphate kinase 2	GO:0004428	inositol or phosphatidylinositol kinase activity
170911	MGC116320,Pik3ca	phosphoinositide-3-kinase, catalytic, alpha polypeptide	GO:0004428	inositol or phosphatidylinositol kinase activity
116720	Pik3c2g	phosphoinositide-3-kinase, class 2, gamma polypeptide	GO:0004428	inositol or phosphatidylinositol kinase activity
366508	Pik3cd	phosphoinositide-3-kinase, catalytic, delta polypeptide	GO:0004428	inositol or phosphatidylinositol kinase activity
81708	Aldh6a1,Mmsdh	aldehyde dehydrogenase 6 family, member A1	00562	Inositol phosphate metabolism
192260	Cdpt,Pis,Pis1	CDP-diacylglycerol-inositol 3-phosphatidyltransferase (phosphatidylinositol synthase)	00562	Inositol phosphate metabolism
171458	Impk,lpk2,lpmk	inositol polyphosphate multikinase	00562	Inositol phosphate metabolism
116699	Inpp4b	inositol polyphosphate-4-phosphatase, type II	00562	Inositol phosphate metabolism
362590	Inpp5b	inositol polyphosphate-5-phosphatase B	00562	Inositol phosphate metabolism
65038	Inpp1,Ship2	inositol polyphosphate phosphatase-like 1	00562	Inositol phosphate metabolism
54260	ltpkb	inositol 1,4,5-trisphosphate 3-kinase B	00562	Inositol phosphate metabolism
170911	MGC116320,Pik3ca	phosphoinositide-3-kinase, catalytic, alpha polypeptide	00562	Inositol phosphate metabolism
50557	MMAC1,Mmac,Pten,TEP1	phosphatase and tensin homolog	00562	Inositol phosphate metabolism
116720	Pik3c2g	phosphoinositide-3-kinase, class 2, gamma polypeptide	00562	Inositol phosphate metabolism
366508	Pik3cd	phosphoinositide-3-kinase, catalytic, delta polypeptide	00562	Inositol phosphate metabolism
116723	Pip4k2a,Pip5k2a	phosphatidylinositol-5-phosphate 4-kinase, type II, alpha	00562	Inositol phosphate metabolism
89812	Pip4k2b,Pip5k2b	phosphatidylinositol-5-phosphate 4-kinase, type II, beta	00562	Inositol phosphate metabolism
365865	Pip5k1a2,Pip5k1b2	phosphatidylinositol-4-phosphate 5-kinase, type 1, alpha	00562	Inositol phosphate metabolism
24654	PLC1,PLCbeta1,Phosphb,Pl	phospholipase C, beta 1 (phosphoinositide-specific)	00562	Inositol phosphate metabolism
25738	PPLCA,Plcg1	phospholipase C, gamma 1	00562	Inositol phosphate metabolism
84018	Synj2	synaptojanin 2	00562	Inositol phosphate metabolism
25204	BDP,PC1,PC3,Pcsk1	proprotein convertase subtilisin/kexin type 1	GO:0043559	insulin binding
25718	IGFIR,C,Igf1r,ITK13	insulin-like growth factor 1 receptor	GO:0043559	insulin binding
25700	INSDEGM,ide	insulin degrading enzyme	GO:0043559	insulin binding
24954	Insr	insulin receptor	GO:0043559	insulin binding
64025	2B4,Cd244,Nmrk	Cd244 molecule, natural killer cell receptor 2B4	GO:0016021	integral to membrane
25675	3H3M,Hmgcr	3-hydroxy-3-methylglutaryl-Coenzyme A reductase	GO:0016021	integral to membrane

29259	A.11,L-selectin,LECAM-1,Sel selectin L	GO:0016021	integral to membrane
286970	Abca5	GO:0016021	integral to membrane
25560	Abcc9,Sur2	GO:0016021	integral to membrane
25270	Abcd3,PMP70,Pxmp1	GO:0016021	integral to membrane
300664	Abcg4	GO:0016021	integral to membrane
114628	Abcg5	GO:0016021	integral to membrane
155192	Abcg8	GO:0016021	integral to membrane
286939	ACAM,Asam,CLMP,O116	GO:0016021	integral to membrane
266770	Acat-2,Soat2	GO:0016021	integral to membrane
79123	Accn2,Asic1	GO:0016021	integral to membrane
313339	Acer2,Asah3l	GO:0016021	integral to membrane
81645	Acm2,Chrm2	GO:0016021	integral to membrane
25288	ACS,Acas,Acs1,COAA,Faci2	GO:0016021	integral to membrane
114024	Acs3,Acs13,Faci3	GO:0016021	integral to membrane
245921	Acvr1c,Alk-7,Alk7,habrec1	GO:0016021	integral to membrane
29263	Acvr2,Acvr2a,rActR-II	GO:0016021	integral to membrane
57025	Adam15,MDC15,tMDCVI	GO:0016021	integral to membrane
81636	Adcy2	GO:0016021	integral to membrane
24174	Adra2b	GO:0016021	integral to membrane
305166	Agpat9,MGC114395	GO:0016021	integral to membrane
298646	Agtrap,MGC95145	GO:0016021	integral to membrane
65183	Aldh3a2,Aldh4,FALDH	GO:0016021	integral to membrane
84356	ALDR,Abcd2	GO:0016021	integral to membrane
362734	Amisyn,Stxbp6	GO:0016021	integral to membrane
29473	Aoc3,SSAO	GO:0016021	integral to membrane
444983	Apold1,Verge	GO:0016021	integral to membrane
80897	Appils,Arts1,Erap1,MGC112	GO:0016021	integral to membrane
298757	Arl6ip2,Atl2	GO:0016021	integral to membrane
499798	Arl6ip6	GO:0016021	integral to membrane
170567	Ata1,GlnT,Sat11,Slc38a1	GO:0016021	integral to membrane
29642	Ata2,Atrc2,Sat21,Slc38a2,Sn	GO:0016021	integral to membrane
363254	Atg9a,MGC105908,RGD1311	GO:0016021	integral to membrane
24211	Atp1a1,Nkaa1b	GO:0016021	integral to membrane
24212	Atp1a2,RATATPA2	GO:0016021	integral to membrane
24213	Atp1a3,Atpa1a3	GO:0016021	integral to membrane
25390	Atp1b3,NKAB3S	GO:0016021	integral to membrane
24215	Atp2b2,PMCA2	GO:0016021	integral to membrane
170699	Atp2c1,MGC93231	GO:0016021	integral to membrane
117596	Atp6b1b2,Atp6b2,Atp6v1b2	GO:0016021	integral to membrane
24214	ATPB2,ATPB2S,Amog,Atp1b	GO:0016021	integral to membrane
25648	Atrc1,CAT1,Cat-1,Slc7a1	GO:0016021	integral to membrane
83526	Atrn	GO:0016021	integral to membrane
291212	B3galnt2,RGD1306946	GO:0016021	integral to membrane
366064	B3galnt1	GO:0016021	integral to membrane
288752	B3gnt4	GO:0016021	integral to membrane
116740	B3gnt5	GO:0016021	integral to membrane
65196	B4galt6	GO:0016021	integral to membrane
315716	B7RP-2,B7h3,Cd276	GO:0016021	integral to membrane
301309	Bai3	GO:0016021	integral to membrane
24224	Bcl-2,Bcl2	GO:0016021	integral to membrane
50676	BGT1,Gat1,RNU28927,Slc6a	GO:0016021	integral to membrane
81507	Bmpr1a	GO:0016021	integral to membrane
84480	Bnip3,MGC93043	GO:0016021	integral to membrane
140923	Bnip3l,Nix	GO:0016021	integral to membrane
116638	BNPI,Slc17a7,Vglut1	GO:0016021	integral to membrane
25247	Bsmrb,Neep21,Nsg1,PEP1	GO:0016021	integral to membrane

84398	C1qRp,C1qr1,Cd93,Ly68	CD93 molecule	GO:0016021	integral to membrane
300666	C2cd2l,Tmem24	C2 calcium-dependent domain containing 2-like	GO:0016021	integral to membrane
361675	C38,Cend1,MGC109325,RG1	cell cycle exit and neuronal differentiation 1	GO:0016021	integral to membrane
84007	C3ar1	complement component 3a receptor 1	GO:0016021	integral to membrane
24239	Cacna1c,RATIVS302	calcium channel, voltage-dependent, L type, alpha 1C subunit	GO:0016021	integral to membrane
29717	Cacna1g	calcium channel, voltage-dependent, T type, alpha 1G subunit	GO:0016021	integral to membrane
116506	Calcr	calcitonin receptor	GO:0016021	integral to membrane
246272	Cant1,srapy	calcium activated nucleotidase 1	GO:0016021	integral to membrane
84008	Caspr,Cntnap1	contactin associated protein 1	GO:0016021	integral to membrane
25404	Cav,Cav1,MGC187299	caveolin 1, caveolae protein	GO:0016021	integral to membrane
140473	Ccbp2,D6,MGC105345	chemokine binding protein 2	GO:0016021	integral to membrane
266733	Ccc9,Slc12a8	solute carrier family 12 (potassium/chloride transporters), member 8	GO:0016021	integral to membrane
25706	Cck2r,Cckbr,Cholrec	cholecystokinin B receptor	GO:0016021	integral to membrane
117029	Ccr5,Ckr5,Cmkbr5	chemokine (C-C motif) receptor 5	GO:0016021	integral to membrane
24590	CD10,MGC93576,Mme1,Ne	membrane metallo endopeptidase	GO:0016021	integral to membrane
29184	Cd36,Fat1,MGC108510,MG1	CD36 molecule (thrombospondin receptor)	GO:0016021	integral to membrane
25406	CD44A,Cd44,METAA,MGC1	Cd44 molecule	GO:0016021	integral to membrane
24699	CD45,L-CA,Lca,Ptprc,RT7,T2l	protein tyrosine phosphatase, receptor type, C	GO:0016021	integral to membrane
29364	Cd47,Itgp,MGC93490	Cd47 molecule	GO:0016021	integral to membrane
24251	Cd53,OX44,Ox-44,RATOX44	Cd53 molecule	GO:0016021	integral to membrane
24936	Cd9	CD9 molecule	GO:0016021	integral to membrane
171083	Cda08,Itfg1,MGC93216	integrin alpha FG-GAP repeat containing 1	GO:0016021	integral to membrane
83502	Cdh1	cadherin 1	GO:0016021	integral to membrane
117048	Cdh17	cadherin 17	GO:0016021	integral to membrane
29163	Cdh9	cadherin 9	GO:0016021	integral to membrane
192260	Cdpt,Pis,Pis1	CDP-diacylglycerol-inositol 3-phosphatidyltransferase (phosphatidylinositol synthase)	GO:0016021	integral to membrane
50938	Cdo,Cdon	Cdon homolog (mouse)	GO:0016021	integral to membrane
171432	Cdtw1,Tmem14c	transmembrane protein 14C	GO:0016021	integral to membrane
85254	Cdw92,Ctl1,Slc44a1	solute carrier family 44, member 1	GO:0016021	integral to membrane
83466	Celsr3,Megf2	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	GO:0016021	integral to membrane
310773	Cept1,MGC95031	choline/ethanolamine phosphotransferase 1	GO:0016021	integral to membrane
24255	Cftr,RGD1561193	cystic fibrosis transmembrane conductance regulator homolog (human)	GO:0016021	integral to membrane
79557	Chrna1	cholinergic receptor, nicotinic, alpha 1 (muscle)	GO:0016021	integral to membrane
25102	Chrna5	cholinergic receptor, nicotinic, alpha 5	GO:0016021	integral to membrane
85426	Cht1,Slc5a7	solute carrier family 5 (choline transporter), member 7	GO:0016021	integral to membrane
29743	Cic1,Ctp,MGC93247,Slc20a3	solute carrier family 25 (mitochondrial carrier, citrate transporter), member 1	GO:0016021	integral to membrane
171447	Cirl-2,Cirl2,Cl2ac,Lphn2	latrophilin 2	GO:0016021	integral to membrane
291813	CKlfsf3,Cmtm3	CKLF-like MARVEL transmembrane domain containing 3	GO:0016021	integral to membrane
25314	CL-20,EMP-1,ENP1MR,Emp	epithelial membrane protein 1	GO:0016021	integral to membrane
170927	Clcc1,Mclc	chloride channel CLIC-like 1	GO:0016021	integral to membrane
84588	Cldn11	claudin 11	GO:0016021	integral to membrane
304073	Cldn14,MGC109472	claudin 14	GO:0016021	integral to membrane
315953	Cldn18	claudin 18	GO:0016021	integral to membrane
290789	Cldn23,MGC124737	claudin 23	GO:0016021	integral to membrane
304407	Cldn4	claudin 4	GO:0016021	integral to membrane
287098	Cldn6	claudin 6	GO:0016021	integral to membrane
65132	Cldn7,MGC124679	claudin 7	GO:0016021	integral to membrane
287099	Cldn9	claudin 9	GO:0016021	integral to membrane
306128	Cln5	ceroid-lipofuscinosis, neuronal 5	GO:0016021	integral to membrane
291823	Cmtm1,MGC116183	CKLF-like MARVEL transmembrane domain containing 1	GO:0016021	integral to membrane
501065	Cmtm7	CKLF-like MARVEL transmembrane domain containing 7	GO:0016021	integral to membrane
361705	Cnih2,Cnih31,MGC109307,F	cornichon homolog 2 (Drosophila)	GO:0016021	integral to membrane
116741	Cnr12,MGC93781,Pcdha4	protocadherin alpha 4	GO:0016021	integral to membrane
116742	Cnr5,Pcdha13	protocadherin alpha 13	GO:0016021	integral to membrane
116642	Cnt1,Slc28a1	solute carrier family 28 (sodium-coupled nucleoside transporter), member 1	GO:0016021	integral to membrane
24267	Comt	catechol-O-methyltransferase	GO:0016021	integral to membrane

25757	CPT-1a,Cpt1a	carnitine palmitoyltransferase 1a, liver	GO:0016021	integral to membrane
314638	Creb3l3,MGC109013	cAMP responsive element binding protein 3-like 3	GO:0016021	integral to membrane
300649	Crtam	cytotoxic and regulatory T cell molecule	GO:0016021	integral to membrane
29726	CT1,OCTN2,Slc22a5,USTR	solute carrier family 22 (organic cation/carnitine transporter), member 5	GO:0016021	integral to membrane
50563	Cx40,Gja5	gap junction protein, alpha 5	GO:0016021	integral to membrane
60628	Cxcr4,MGC108696	chemokine (C-X-C motif) receptor 4	GO:0016021	integral to membrane
394266	CXN-26,Cx26,Gjb2,MGC9381	gap junction protein, beta 2	GO:0016021	integral to membrane
64001	Cyb5,Cyb5a,MGC108694	cytochrome b5 type A (microsomal)	GO:0016021	integral to membrane
80773	Cyb5b,Cyb5m,omb5	cytochrome b5 type B (outer mitochondrial membrane)	GO:0016021	integral to membrane
361729	Cybas3,RGD1304670	cytochrome b, ascorbate dependent 3	GO:0016021	integral to membrane
295669	Cybrd1	cytochrome b reductase 1	GO:0016021	integral to membrane
290623	Cyp4f18,Cyp4f3,MGC12483	cytochrome P450, family 4, subfamily f, polypeptide 18	GO:0016021	integral to membrane
25427	Cyp51,Cyp51a1,MGC93630	cytochrome P450, family 51	GO:0016021	integral to membrane
25113	Ddn,Den	dendrin	GO:0016021	integral to membrane
252900	Dgat2,MGC108863	diacylglycerol O-acyltransferase homolog 2 (mouse)	GO:0016021	integral to membrane
363783	DHHC23,Zdhhc23,nidd	zinc finger, DHHC-type containing 23	GO:0016021	integral to membrane
25715	Dmt1,Nramp2,Slc11a2	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2	GO:0016021	integral to membrane
364838	Dp12,Reep5	receptor accessory protein 5	GO:0016021	integral to membrane
362835	Dp11,Reep6	receptor accessory protein 6	GO:0016021	integral to membrane
24318	Drd2	dopamine receptor D2	GO:0016021	integral to membrane
79107	Duox2,Thox2	dual oxidase 2	GO:0016021	integral to membrane
316249	E-NPP 5,Enpp5,MGC105517	ectonucleotide pyrophosphatase/phosphodiesterase 5	GO:0016021	integral to membrane
306460	E-NPP 6,Enpp6	ectonucleotide pyrophosphatase/phosphodiesterase 6	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
29483	EAAT1,GLAST,GluT-1,Slc1a3	solute carrier family 1 (glial high affinity glutamate transporter), member 3	GO:0016021	integral to membrane
299864	Ebag9,MGC94627	estrogen receptor binding site associated, antigen, 9	GO:0016021	integral to membrane
361054	Ebpl	emopamil binding protein-like	GO:0016021	integral to membrane
314649	Edg6,S1pr4	sphingosine-1-phosphate receptor 4	GO:0016021	integral to membrane
117549	Ednrb,Gpr37,MGC105347	G protein-coupled receptor 37	GO:0016021	integral to membrane
309449	Elov3	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 3	GO:0016021	integral to membrane
315851	Elov4	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 4	GO:0016021	integral to membrane
64124	Elttd1,Etl	EGF, latrophilin and seven transmembrane domain containing 1	GO:0016021	integral to membrane
24768	ENaC,Scnn1g	sodium channel, nonvoltage-gated 1, gamma	GO:0016021	integral to membrane
24326	ENDOR,Ednra1,Eta,RATENDI	endothelin receptor type A	GO:0016021	integral to membrane
310540	Ened,Fam198b,MGC72614	family with sequence similarity 198, member B	GO:0016021	integral to membrane
353307	Ent3,Slc29a3	solute carrier family 29 (nucleoside transporters), member 3	GO:0016021	integral to membrane
373544	Ermp1,Fxna	endoplasmic reticulum metalloproteinase 1	GO:0016021	integral to membrane
685433	Evi2a	ecotropic viral integration site 2A	GO:0016021	integral to membrane
25439	F2r,MGC93622,Par1,TRGPC	coagulation factor II (thrombin) receptor	GO:0016021	integral to membrane
25584	F31,MGC93621	coagulation factor III (thromboplastin, tissue factor)	GO:0016021	integral to membrane
619558	Fam134b	family with sequence similarity 134, member B	GO:0016021	integral to membrane
301634	Fam174,Fam174a,MGC10818	family with sequence similarity 174, member A	GO:0016021	integral to membrane
310640	Fam189b,RGD1306107	family with sequence similarity 189, member B	GO:0016021	integral to membrane
360467	Fam18a,RGD1566405	family with sequence similarity 18, member A	GO:0016021	integral to membrane
313840	Fam82a,Fam82a1,MGC11613	family with sequence similarity 82, member A1	GO:0016021	integral to membrane
65048	Fat2,Fath2	FAT tumor suppressor homolog 2 (Drosophila)	GO:0016021	integral to membrane
191571	Fat3	FAT tumor suppressor homolog 3 (Drosophila)	GO:0016021	integral to membrane
360903	Fgfr5,Fgfr1	fibroblast growth factor receptor-like 1	GO:0016021	integral to membrane
246245	Fmo2	flavin containing monooxygenase 2	GO:0016021	integral to membrane
81919	Fut1,Futa	fucosyltransferase 1	GO:0016021	integral to membrane
29573	G6pt1,Slc37a4	solute carrier family 37 (glucose-6-phosphate transporter), member 4	GO:0016021	integral to membrane
498166	Gal3st4,RGD1561105	galactose-3-O-sulfotransferase 4	GO:0016021	integral to membrane
50577	Galnr1,Galr1	galanin receptor 1	GO:0016021	integral to membrane
313878	Galnt14	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 14 (GalNAc-T14)	GO:0016021	integral to membrane
292090	Galnt2	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 2 (GalNAc-T2)	GO:0016021	integral to membrane
83627	Galnt5	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 5 (GalNAc-T5)	GO:0016021	integral to membrane

24660	Gas-3,Pmp22	peripheral myelin protein 22	GO:0016021	integral to membrane
116564	GC-B,NPR-B,Npr2	natriuretic peptide receptor B/guanylate cyclase B (atriuretic peptide receptor B)	GO:0016021	integral to membrane
290596	Ghitm,MGC94737,MICS1	growth hormone inducible transmembrane protein	GO:0016021	integral to membrane
140595	Gir,Gpr83	G protein-coupled receptor 83	GO:0016021	integral to membrane
300173	Glt8d3,Gxylt1	glycosyltransferase 8 domain containing 3	GO:0016021	integral to membrane
29629	GluA4,GluR-D,GluR4,Gria4	glutamate receptor, ionotropic, AMPA 4	GO:0016021	integral to membrane
298521	GluR7,Grik3,gluR-7	glutamate receptor, ionotropic, kainate 3	GO:0016021	integral to membrane
64154	Gosr2	golgi SNAP receptor complex member 2	GO:0016021	integral to membrane
25259	Gp5,PLGPV	glycoprotein V (platelet)	GO:0016021	integral to membrane
364837	GPC,Gypc,MGC124900	glycophorin C (Gerbich blood group)	GO:0016021	integral to membrane
25033	Gpcrrna,Sstr1	somatostatin receptor 1	GO:0016021	integral to membrane
79112	GPI-MT-1,Pigm	phosphatidylinositol glycan anchor biosynthesis, class M	GO:0016021	integral to membrane
306439	Gpm6a,M6a	glycoprotein m6a	GO:0016021	integral to membrane
311857	Gpr107	G protein-coupled receptor 107	GO:0016021	integral to membrane
245977	Gpr116,Gprhep,Ig-Hepta	G protein-coupled receptor 116	GO:0016021	integral to membrane
192251	Gpr149,leda	G protein-coupled receptor 149	GO:0016021	integral to membrane
311730	Gpr155	G protein-coupled receptor 155	GO:0016021	integral to membrane
313725	Gpr157,MGC109533	G protein-coupled receptor 157	GO:0016021	integral to membrane
688737	Gpr171	G protein-coupled receptor 171	GO:0016021	integral to membrane
301372	Gpr45	G protein-coupled receptor 45	GO:0016021	integral to membrane
286994	Gpr48,Lgr4	leucine-rich repeat-containing G protein-coupled receptor 4	GO:0016021	integral to membrane
299802	Gpr49,Lgr5	leucine rich repeat containing G protein coupled receptor 5	GO:0016021	integral to membrane
310780	Gpr61	G protein-coupled receptor 61	GO:0016021	integral to membrane
498434	Gpr75,RGD1566385	G protein-coupled receptor 75	GO:0016021	integral to membrane
79220	Grid2	glutamate receptor, ionotropic, delta 2	GO:0016021	integral to membrane
24412	Grin2d	glutamate receptor, ionotropic, N-methyl D-aspartate 2D	GO:0016021	integral to membrane
24416	Grm3,mGluR3	glutamate receptor, metabotropic 3	GO:0016021	integral to membrane
24417	Grm4	glutamate receptor, metabotropic 4	GO:0016021	integral to membrane
60671	Gulo	gulonolactone (L-) oxidase	GO:0016021	integral to membrane
25593	Hcrtr1,Hctr1	hypocretin (orexin) receptor 1	GO:0016021	integral to membrane
300463	Herpud2,RGD1307343	HERPUD family member 2	GO:0016021	integral to membrane
100134827	Hiat1	hippocampus abundant gene transcript 1	GO:0016021	integral to membrane
140937	Hig1,Higd1a	HIG1 hypoxia inducible domain family, member 1A	GO:0016021	integral to membrane
192154	Hip1	huntingtin interacting protein 1	GO:0016021	integral to membrane
292155	Hs2st1	heparan sulfate 2-O-sulfotransferase 1	GO:0016021	integral to membrane
316325	Hs6st1	heparan sulfate 6-O-sulfotransferase 1	GO:0016021	integral to membrane
29632	Hsd3b11,Hsd3b6,MGC1092	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 6	GO:0016021	integral to membrane
64476	HSG,Mfn2	mitofusin 2	GO:0016021	integral to membrane
295922	Hspc032,Mtch2	mitochondrial carrier homolog 2 (C. elegans)	GO:0016021	integral to membrane
25216	HSPG1,SYNDECA,Sdc1,Synd	syndecan 1	GO:0016021	integral to membrane
29581	Htr2b	5-hydroxytryptamine (serotonin) receptor 2B	GO:0016021	integral to membrane
170818	Icmt,MGC95322,fcmt	isoprenylcysteine carboxyl methyltransferase	GO:0016021	integral to membrane
288264	Ifnar1	interferon (alpha, beta and omega) receptor 1	GO:0016021	integral to membrane
360697	Ifngr2	interferon gamma receptor 2	GO:0016021	integral to membrane
25151	Igf2r	insulin-like growth factor 2 receptor	GO:0016021	integral to membrane
25718	IGFIRC,Igf1r,JTK13	insulin-like growth factor 1 receptor	GO:0016021	integral to membrane
303926	Igsf11,MGC94879	immunoglobulin superfamily, member 11	GO:0016021	integral to membrane
304982	Igsf9	immunoglobulin superfamily, member 9	GO:0016021	integral to membrane
315461	IL1rl1,MGC108769,Tmed1	transmembrane emp24 protein transport domain containing 1	GO:0016021	integral to membrane
362629	IL22ra1,RGD1559655	interleukin 22 receptor, alpha 1	GO:0016021	integral to membrane
25704	IL2RAC,IL2ra	interleukin 2 receptor, alpha	GO:0016021	integral to membrane
25084	IL4r,IL4ra	interleukin 4 receptor, alpha	GO:0016021	integral to membrane
24499	IL6R1,IL6r,IL6ra	interleukin 6 receptor	GO:0016021	integral to membrane
362590	Inpp5b	inositol polyphosphate-5-phosphatase B	GO:0016021	integral to membrane
24954	Insr	insulin receptor	GO:0016021	integral to membrane
311144	Itga4	integrin, alpha 4	GO:0016021	integral to membrane

301575	Itm2c,MGC94903	integral membrane protein 2C	GO:0016021	integral to membrane
24520	Kcna,Kcna1,Kcpvd,Kv1.1	potassium voltage-gated channel, shaker-related subfamily, member 1	GO:0016021	integral to membrane
29737	Kcnab1,KvBeta3,MGC10546	potassium voltage-gated channel, shaker-related subfamily, beta member 1	GO:0016021	integral to membrane
63883	Kcne3,MGC105432	potassium voltage-gated channel, Isk-related subfamily, gene 3	GO:0016021	integral to membrane
29719	Kcnj16,Kir5.1	potassium inwardly-rectifying channel, subfamily J, member 16	GO:0016021	integral to membrane
65272	Kcnk10,TREK2	potassium channel, subfamily K, member 10	GO:0016021	integral to membrane
156873	Kcnk15	potassium channel, subfamily K, member 15	GO:0016021	integral to membrane
170899	Kcnk2,Trek-1,rTREK1d	potassium channel, subfamily K, member 2	GO:0016021	integral to membrane
29553	Kcnk3,Task-1,rTASK	potassium channel, subfamily K, member 3	GO:0016021	integral to membrane
170848	Kcnq2	potassium voltage-gated channel, KQT-like subfamily, member 2	GO:0016021	integral to membrane
294065	Kcnv2	potassium channel, subfamily V, member 2	GO:0016021	integral to membrane
59113	Kmo	kynurenine 3-monooxygenase (kynurenine 3-hydroxylase)	GO:0016021	integral to membrane
499174	Lass3,RGD1564356	LAG1 homolog, ceramide synthase 3	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
100125362	LOC100125362,MGC109295	hypothetical protein LOC100125362	GO:0016021	integral to membrane
500947	LOC500947	hypothetical gene supported by BC088439	GO:0016021	integral to membrane
619574	LOC619574	hypothetical protein LOC619574	GO:0016021	integral to membrane
688495	LOC688495	hypothetical protein LOC688495	GO:0016021	integral to membrane
171411	Lr8,MGC72697,Tmem176b,	transmembrane protein 176B	GO:0016021	integral to membrane
305880	Lrp10,MGC124814	low-density lipoprotein receptor-related protein 10	GO:0016021	integral to membrane
29216	Lrp2	low density lipoprotein-related protein 2	GO:0016021	integral to membrane
312781	Lrp6	low density lipoprotein receptor-related protein 6	GO:0016021	integral to membrane
641521	Lrrc4	leucine rich repeat containing 4	GO:0016021	integral to membrane
287633	Lrrc59,MGC105677	leucine rich repeat containing 59	GO:0016021	integral to membrane
311846	Lrrc8,Lrrc8a	leucine rich repeat containing 8 family, member A	GO:0016021	integral to membrane
289883	LRRG00120,MGC95001,Tme	transmembrane emp24 protein transport domain containing 5	GO:0016021	integral to membrane
294380	Lrrtm3	leucine rich repeat transmembrane neuronal 3	GO:0016021	integral to membrane
171143	LTrpC-4,MIs2s,Trpm4	transient receptor potential cation channel, subfamily M, member 4	GO:0016021	integral to membrane
312689	M6pr,MGC94300	mannose-6-phosphate receptor, cation dependent	GO:0016021	integral to membrane
303439	Maf2,MGC94095,Mmd	monocyte to macrophage differentiation-associated	GO:0016021	integral to membrane
362911	Mal2	mal, T-cell differentiation protein 2	GO:0016021	integral to membrane
25263	MALGENE,Mal	mal, T-cell differentiation protein	GO:0016021	integral to membrane
362849	MARCH-II,March2,RGD1306	membrane-associated ring finger (C3HC4) 2	GO:0016021	integral to membrane
365657	Marveld2,Mrvldc2	MARVEL domain containing 2	GO:0016021	integral to membrane
29582	Mgat3	mannosyl (beta-1,4-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase	GO:0016021	integral to membrane
367252	Mgat4a	mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isozyme A	GO:0016021	integral to membrane
246280	MGC105315,Slc15a4	solute carrier family 15, member 4	GO:0016021	integral to membrane
292305	MGC105508,Sft2d1	SFT2 domain containing 1	GO:0016021	integral to membrane
315286	MGC105614,RGD1311532,T	transmembrane protein 106C	GO:0016021	integral to membrane
361110	MGC108529,Tmem110	transmembrane protein 110	GO:0016021	integral to membrane
192152	MGC108592,Tgn38,Tgoln1,1	trans-golgi network protein	GO:0016021	integral to membrane
287722	MGC108779,RGD1309043,T	transmembrane protein 106A	GO:0016021	integral to membrane
295455	MGC108852,Slc39a8	solute carrier family 39 (zinc transporter), member 8	GO:0016021	integral to membrane
361626	MGC108971,RGD1310870,T	transmembrane protein 41B	GO:0016021	integral to membrane
246246	MGC108975,Nte-related,Nt	patatin-like phospholipase domain containing 7	GO:0016021	integral to membrane
366602	MGC109170,Tm4sf13,Tspar	tetraspanin 13	GO:0016021	integral to membrane
362518	MGC109354,RGD1307218	similar to RIKEN cDNA 2810432L12	GO:0016021	integral to membrane
406167	MGC109407,Ng5,Orf31,Prrt	proline-rich transmembrane protein 1	GO:0016021	integral to membrane
309111	MGC109527,RGD1307826,S	solute carrier family 25 (mitochondrial carrier, glutamate), member 22	GO:0016021	integral to membrane
289196	MGC109554,Tmco1	transmembrane and coiled-coil domains 1	GO:0016021	integral to membrane
58813	MGC112615,Nt5,Nt5e	5' nucleotidase, ecto	GO:0016021	integral to membrane
301563	MGC112646,Mff,RGD13102	mitochondrial fission factor	GO:0016021	integral to membrane
363071	MGC114408,RGD1307551,S	stimulated by retinoic acid gene 6	GO:0016021	integral to membrane
306549	MGC114531,RGD1310810,S	protein kinase-like protein SgK196	GO:0016021	integral to membrane
303567	MGC116065,RGD1304758,T	transmembrane and ubiquitin-like domain containing 2	GO:0016021	integral to membrane

enriched genes FLX07

296911	MGC124523,ST7	suppression of tumorigenicity 7	GO:0016021	integral to membrane
64134	MGC124608,Xylt2,xylt-II	xylosyltransferase II	GO:0016021	integral to membrane
301067	MGC124671,RGD1311914,S	solute carrier family 25, member 38	GO:0016021	integral to membrane
298091	MGC124776,Slc31a2	solute carrier family 31 (copper transporters), member 2	GO:0016021	integral to membrane
59103	MGC124930,Pges,Ptges	prostaglandin E synthase	GO:0016021	integral to membrane
498075	MGC125004,Trat1	T cell receptor associated transmembrane adaptor 1	GO:0016021	integral to membrane
497878	MGC125201,Ngsg	neuron specific gene family member 2	GO:0016021	integral to membrane
24950	MGC156498,S5AR 1,Srd5a1	steroid-5-alpha-reductase, alpha polypeptide 1 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 1)	GO:0016021	integral to membrane
65134	MGC156622,Stx5,Stx5a	syntaxin 5	GO:0016021	integral to membrane
311405	MGC156781,RGD1309744,T	transmembrane protein 127	GO:0016021	integral to membrane
65165	MGC72390,Rnp24,Tmed2	transmembrane emp24 domain trafficking protein 2	GO:0016021	integral to membrane
287884	MGC72571,Sectm11,Sectm:	secreted and transmembrane 1B	GO:0016021	integral to membrane
304881	MGC72610,Tor1aip2	torsin A interacting protein 2	GO:0016021	integral to membrane
316530	MGC72616,RGD735175	hypothetical protein MGC:72616	GO:0016021	integral to membrane
363061	MGC72971,Scdh	succinate dehydrogenase complex, subunit D, integral membrane protein	GO:0016021	integral to membrane
114100	MGC93101,Sc5d,Sc5dl	sterol-C5-desaturase (ERG3 delta-5-desaturase homolog, S. cerevisiae)-like	GO:0016021	integral to membrane
60562	MGC93348,Stx6	syntaxin 6	GO:0016021	integral to membrane
54312	MGC93478,Timm23	translocase of inner mitochondrial membrane 23 homolog (yeast)	GO:0016021	integral to membrane
29591	MGC93659,Tgfb1	transforming growth factor, beta receptor 1	GO:0016021	integral to membrane
311430	MGC93707,Mavs,Visa	mitochondrial antiviral signaling protein	GO:0016021	integral to membrane
306197	MGC93724,Tm9sf2	transmembrane 9 superfamily member 2	GO:0016021	integral to membrane
303356	MGC93733,Tmem98	transmembrane protein 98	GO:0016021	integral to membrane
287159	MGC93737,Pigq	phosphatidylinositol glycan anchor biosynthesis, class Q	GO:0016021	integral to membrane
361940	MGC93874,Pgrmc2	progesterone receptor membrane component 2	GO:0016021	integral to membrane
303676	MGC93911,Slc25a19	solute carrier family 25 (mitochondrial thiamine pyrophosphate carrier), member 19	GO:0016021	integral to membrane
316516	MGC94053,Tmbim1	transmembrane BAX inhibitor motif containing 1	GO:0016021	integral to membrane
307343	MGC94550,RGD1359600	LEA_4 domain containing protein RGD1359600	GO:0016021	integral to membrane
65168	MGC94592,Scamp2	secretory carrier membrane protein 2	GO:0016021	integral to membrane
364878	MGC94648,March3	membrane-associated ring finger (C3HC4) 3	GO:0016021	integral to membrane
362691	MGC94782,Tmem178	transmembrane protein 178	GO:0016021	integral to membrane
361207	MGC95048,RGD1307627,Tn	transmembrane emp24 protein transport domain containing 9	GO:0016021	integral to membrane
362211	MGC95101,Mall,RGD131081	mal, T-cell differentiation protein-like	GO:0016021	integral to membrane
362699	MGC95126,RGD1310157,Yi1	Yip1 domain family, member 4	GO:0016021	integral to membrane
304301	Mmd2	monocyte to macrophage differentiation-associated 2	GO:0016021	integral to membrane
25549	MNAT,Slc18a2,VMAT2	solute carrier family 18 (vesicular monoamine), member 2	GO:0016021	integral to membrane
266762	MrgF,Mrgprf	MAS-related GPR, member F	GO:0016021	integral to membrane
293744	Ms4a7	membrane-spanning 4-domains, subfamily A, member 7	GO:0016021	integral to membrane
266760	Nalcn,Vgcnl1	sodium leak channel, non-selective	GO:0016021	integral to membrane
29701	NaN,Scn11a	sodium channel, voltage-gated, type XI, alpha	GO:0016021	integral to membrane
78956	Nav1.7,PN1,Scn2a1,Scn9a	sodium channel, voltage-gated, type IX, alpha	GO:0016021	integral to membrane
84550	Nckx2,Slc24a2	solute carrier family 24 (sodium/potassium/calcium exchanger), member 2	GO:0016021	integral to membrane
85267	Nckx3,Slc24a3	solute carrier family 24 (sodium/potassium/calcium exchanger), member 3	GO:0016021	integral to membrane
314648	Ncln,RGD1309355	nicalin homolog (zebrafish)	GO:0016021	integral to membrane
140448	Ncx3,Slc8a3	solute carrier family 8 (sodium/calcium exchanger), member 3	GO:0016021	integral to membrane
116690	NF,Nfasc	neurofascin	GO:0016021	integral to membrane
24783	Nhe2,Slc9a2	solute carrier family 9 (sodium/hydrogen exchanger), member 2	GO:0016021	integral to membrane
24785	Nhe4,Slc9a4	solute carrier family 9 (sodium/hydrogen exchanger), member 4	GO:0016021	integral to membrane
25496	NOTCH,Notch1,TAN1	Notch homolog 1, translocation-associated (Drosophila)	GO:0016021	integral to membrane
497815	Nrcam	neuronal cell adhesion molecule	GO:0016021	integral to membrane
64559	Nritp,Slc22a23	solute carrier family 22, member 23	GO:0016021	integral to membrane
116595	Nrxn2	neurexin 2	GO:0016021	integral to membrane
116508	Nrxn3	neurexin 3	GO:0016021	integral to membrane
116644	Nsp,Rtn1	reticulon 1	GO:0016021	integral to membrane
64531	Omp25,Synj2bp	synaptojanin 2 binding protein	GO:0016021	integral to membrane
361757	Opalin,Tmem10	oligodendrocytic myelin paranodal and inner loop protein	GO:0016021	integral to membrane
66026	Otrpc4,Trpv4,Vroac	transient receptor potential cation channel, subfamily V, member 4	GO:0016021	integral to membrane

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89814	Ox40,Tnfsf4	tumor necrosis factor (ligand) superfamily, member 4	GO:0016021	integral to membrane
29659	P2rx4	purinergic receptor P2X, ligand-gated ion channel 4	GO:0016021	integral to membrane
25041	P2rx6,P2rx11,P2x6,Rnap2x6	purinergic receptor P2X, ligand-gated ion channel, 6	GO:0016021	integral to membrane
114115	P2X2,P2rx2	purinergic receptor P2X, ligand-gated ion channel, 2	GO:0016021	integral to membrane
25505	P2XMR,P2rx1	purinergic receptor P2X, ligand-gated ion channel, 1	GO:0016021	integral to membrane
25716	P65,Syt1	synaptotagmin I	GO:0016021	integral to membrane
315435	Panx1,px1	Pannexin 1	GO:0016021	integral to membrane
362979	Panx2	pannexin 2	GO:0016021	integral to membrane
246235	Pat2,Slc36a2,Tramd1	solute carrier family 36 (proton/amino acid symporter), member 2	GO:0016021	integral to membrane
192181	PC,PCLP-1,Podxl,podocalyxi	podocalyxin-like	GO:0016021	integral to membrane
393085	Pcdha1,rCNRv01	protocadherin alpha 1	GO:0016021	integral to membrane
393086	Pcdha2,rCNRv02	protocadherin alpha 2	GO:0016021	integral to membrane
393087	Pcdha5,rCNRv05	protocadherin alpha 5	GO:0016021	integral to membrane
393088	Pcdha6,rCNRv06	protocadherin alpha 6	GO:0016021	integral to membrane
393090	Pcdha9,rCNRv09	protocadherin alpha 9	GO:0016021	integral to membrane
94202	Pcptp1,Ptprr	protein tyrosine phosphatase, receptor type, R	GO:0016021	integral to membrane
305581	Pex13	peroxisomal biogenesis factor 13	GO:0016021	integral to membrane
288731	Pgam5,RGD1312028	phosphoglycerate mutase family member 5	GO:0016021	integral to membrane
192259	Phlpp,Plb1	phospholipase B1	GO:0016021	integral to membrane
252962	Phtf,Phtf1	putative homeodomain transcription factor 1	GO:0016021	integral to membrane
303277	Pigs	phosphatidylinositol glycan anchor biosynthesis, class S	GO:0016021	integral to membrane
296360	Pigt	phosphatidylinositol glycan anchor biosynthesis, class T	GO:0016021	integral to membrane
360549	Pls32,Plscr3	phospholipid scramblase 3	GO:0016021	integral to membrane
289392	Plxna2	plexin A2	GO:0016021	integral to membrane
113975	Pom121	nuclear pore membrane protein 121	GO:0016021	integral to membrane
64369	Ppap2a	phosphatidic acid phosphatase type 2A	GO:0016021	integral to membrane
619549	Ppapdc2	phosphatidic acid phosphatase type 2 domain containing 2	GO:0016021	integral to membrane
58842	Preb	prolactin regulatory element binding	GO:0016021	integral to membrane
192107	Prss8	protease, serine, 8	GO:0016021	integral to membrane
63889	Ptgdr1,Ptgdr2,Ptgdr1	prostaglandin D receptor-like	GO:0016021	integral to membrane
29602	Ptgrn	prostaglandin F2 receptor negative regulator	GO:0016021	integral to membrane
360417	Ptprq,rPTP-GMC1	protein tyrosine phosphatase, receptor type, Q	GO:0016021	integral to membrane
25613	Ptprz1,Ptpz	protein tyrosine phosphatase, receptor-type, Z polypeptide 1	GO:0016021	integral to membrane
498281	Pvrl4,RGD1559826	poliovirus receptor-related 4	GO:0016021	integral to membrane
84491	Qscn6,Qsox,Qsox1,Sox-2,rSf	quiescin Q6 sulfhydryl oxidase 1	GO:0016021	integral to membrane
80881	RAMP4,Serp1	stress-associated endoplasmic reticulum protein 1	GO:0016021	integral to membrane
24771	RATRYUDOCA,RYUDOCA,Sdi	syndecan 4	GO:0016021	integral to membrane
24805	RATSYNII,SYNII,Syt2	synaptotagmin II	GO:0016021	integral to membrane
309153	Rce1	RCE1 homolog, prenyl protein peptidase (S. cerevisiae)	GO:0016021	integral to membrane
312711	RGD1304952	similar to RIKEN cDNA C530028O21 gene	GO:0016021	integral to membrane
291709	RGD1305072,Slc25a46	solute carrier family 25, member 46	GO:0016021	integral to membrane
363013	RGD1305625,Tmem123	transmembrane protein 123	GO:0016021	integral to membrane
293113	RGD1305677,Tmem126a	transmembrane protein 126A	GO:0016021	integral to membrane
362521	RGD1305703,Tmem38b	transmembrane protein 38B	GO:0016021	integral to membrane
306324	RGD1305714,Tspan14	tetraspanin 14	GO:0016021	integral to membrane
305502	RGD1306319,Tmed4	transmembrane emp24 protein transport domain containing 4	GO:0016021	integral to membrane
314785	RGD1306351,Tmtc3	transmembrane and tetratricopeptide repeat containing 3	GO:0016021	integral to membrane
314751	RGD1307241,Tmcc3	transmembrane and coiled-coil domain family 3	GO:0016021	integral to membrane
365841	RGD1307244,Slc25a44	solute carrier family 25, member 44	GO:0016021	integral to membrane
362212	RGD1307907,Tmem87b	transmembrane protein 87B	GO:0016021	integral to membrane
303670	RGD1307953,Tmem104	transmembrane protein 104	GO:0016021	integral to membrane
305291	RGD1308828,S5AR 3,Srd5a3	steroid 5 alpha-reductase 3	GO:0016021	integral to membrane
287477	RGD1309231,Tmem93	transmembrane protein 93	GO:0016021	integral to membrane
289034	RGD1309892,Tmem183,Tm	transmembrane protein 183A	GO:0016021	integral to membrane
293098	RGD1309948,Tmem135	transmembrane protein 135	GO:0016021	integral to membrane
363136	RGD1310540,Tmem115	transmembrane protein 115	GO:0016021	integral to membrane

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360868	RGD1310623,Sft2d2	SFT2 domain containing 2	GO:0016021	integral to membrane
362711	RGD1311324,Tmem214	transmembrane protein 214	GO:0016021	integral to membrane
362732	RGD1312038,Tmem195	transmembrane protein 195	GO:0016021	integral to membrane
500364	RGD1559723,Sspn	sarcospan	GO:0016021	integral to membrane
311210	RGD1560411,Tspan18	tetraspanin 18	GO:0016021	integral to membrane
500065	RGD1560915,Tspan33	tetraspanin 33	GO:0016021	integral to membrane
497936	RGD1561781,Tmem88	transmembrane protein 88	GO:0016021	integral to membrane
301346	RGD1562837,Sema4c	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain	GO:0016021	integral to membrane
364786	RGD1564327	similar to integrin alpha 8	GO:0016021	integral to membrane
65207	Rh50,Rhag	Rh-associated glycoprotein	GO:0016021	integral to membrane
24973	RT1-A1,RT1.A1(N),RT1A-1	RT1 class Ia, locus A1	GO:0016021	integral to membrane
140945	Rtn3	reticulon 3	GO:0016021	integral to membrane
83792	Scd,Scd2	stearoyl-CoA desaturase (delta-9-desaturase)	GO:0016021	integral to membrane
246074	Scd1	stearoyl-Coenzyme A desaturase 1	GO:0016021	integral to membrane
81574	Scn1a	sodium channel, voltage-gated, type I, alpha	GO:0016021	integral to membrane
25122	Scnn1a	sodium channel, nonvoltage-gated 1 alpha	GO:0016021	integral to membrane
65166	Sec11a,Sec11l1,Spc18	SEC11 homolog A (<i>S. cerevisiae</i>)	GO:0016021	integral to membrane
117513	Sec22a,Sec22l2	SEC22 vesicle trafficking protein homolog A (<i>S. cerevisiae</i>)	GO:0016021	integral to membrane
286900	Sels,sg2	selenoprotein 5	GO:0016021	integral to membrane
310207	Sema5a	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and cytoplasmic domain	GO:0016021	integral to membrane
311384	Sema6d	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6D	GO:0016021	integral to membrane
680229	Sgcb	sarcoglycan, beta (dystrophin-associated glycoprotein)	GO:0016021	integral to membrane
304023	Siat10,St3gal6	ST3 beta-galactoside alpha-2,3-sialyltransferase 6	GO:0016021	integral to membrane
64442	Siat4b,Siat5,St3gal2	ST3 beta-galactoside alpha-2,3-sialyltransferase 2	GO:0016021	integral to membrane
287920	Siat7A,St6galnac1	ST6 (alpha-N-acetylneuraminyl-2,3-beta-galactosyl-1,3)-N-acetylgalactosaminide alpha-2,6-sialyltransferase	GO:0016021	integral to membrane
311426	Siglec1,Sn	sialic acid binding Ig-like lectin 1, sialoadhesin	GO:0016021	integral to membrane
266767	Slc17a8,Vglut3	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 8	GO:0016021	integral to membrane
311387	Slc24a5	solute carrier family 24, member 5	GO:0016021	integral to membrane
361836	Slc25a16	solute carrier family 25 (mitochondrial carrier, Graves disease autoantigen), member 16	GO:0016021	integral to membrane
300083	Slc25a17	solute carrier family 25 (mitochondrial carrier; peroxisomal membrane protein, 34kDa), member 17	GO:0016021	integral to membrane
291640	Slc25a2	solute carrier family 25 (mitochondrial carrier, ornithine transporter) member 2	GO:0016021	integral to membrane
361074	Slc25a30	solute carrier family 25, member 30	GO:0016021	integral to membrane
64076	Slc26a1,sat-1	solute carrier family 26 (sulfate transporter), member 1	GO:0016021	integral to membrane
304784	Slc26a9	solute carrier family 26, member 9	GO:0016021	integral to membrane
308028	Slc2a12	solute carrier family 2 (facilitated glucose transporter), member 12	GO:0016021	integral to membrane
366568	Slc30a3,ZnT3	solute carrier family 30 (zinc transporter), member 3	GO:0016021	integral to membrane
64469	Slc30a4	solute carrier family 30 (zinc transporter), member 4	GO:0016021	integral to membrane
313139	Slc35a1	solute carrier family 35 (CMP-sialic acid transporter), member A1	GO:0016021	integral to membrane
310808	Slc35a3	solute carrier family 35 (UDP-N-acetylglucosamine (UDP-GlcNAc) transporter), member A3	GO:0016021	integral to membrane
290959	Slc35d2	solute carrier family 35, member D2	GO:0016021	integral to membrane
308717	Slc35d3	solute carrier family 35, member D3	GO:0016021	integral to membrane
310392	Slc7a11	solute carrier family 7 (cationic amino acid transporter, y+ system), member 11	GO:0016021	integral to membrane
311651	Slc9a8	solute carrier family 9 (sodium/hydrogen exchanger), member 8	GO:0016021	integral to membrane
360272	Slit2	slit homolog 2 (<i>Drosophila</i>)	GO:0016021	integral to membrane
94338	Smpd3,cca1	sphingomyelin phosphodiesterase 3, neutral membrane	GO:0016021	integral to membrane
54305	Smstr2,Sstr2	somatostatin receptor 2	GO:0016021	integral to membrane
29140	Snn	stannin	GO:0016021	integral to membrane
305438	Sorcs2	sortilin-related VPS10 domain containing receptor 2	GO:0016021	integral to membrane
294043	Sorcs3	sortilin-related VPS10 domain containing receptor 3	GO:0016021	integral to membrane
353231	Spg7	spastic paraplegia 7 homolog (human)	GO:0016021	integral to membrane
29230	Sqle	squalene epoxidase	GO:0016021	integral to membrane
361233	Ssr1	signal sequence receptor, alpha	GO:0016021	integral to membrane
25556	St22,FIT1,Fit-1,Il1r1l	interleukin 1 receptor-like 1	GO:0016021	integral to membrane
312052	Steap2	six transmembrane epithelial antigen of the prostate 2	GO:0016021	integral to membrane
499991	Steap4	STEAP family member 4	GO:0016021	integral to membrane
116470	Stx1a	syntaxin 1A (brain)	GO:0016021	integral to membrane

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24923	Stx1b,Stx1b2,Stx21	syntaxin 1B	GO:0016021	integral to membrane
117556	Sv2b	synaptic vesicle glycoprotein 2b	GO:0016021	integral to membrane
25624	Syb1,Vamp1	vesicle-associated membrane protein 1	GO:0016021	integral to membrane
66030	Synpr	synaptoporin	GO:0016021	integral to membrane
64440	Syt4	synaptotagmin IV	GO:0016021	integral to membrane
288562	Tfr2,Trfr2	transferrin receptor 2	GO:0016021	integral to membrane
691066	Tm4sf20	transmembrane 4 L six family member 20	GO:0016021	integral to membrane
245966	Tm6p1,Tmem150,Tmem150	transmembrane protein 150A	GO:0016021	integral to membrane
361230	Tmem170b	transmembrane protein 170B	GO:0016021	integral to membrane
499516	Tmem174	transmembrane protein 174	GO:0016021	integral to membrane
309400	Tmem2	transmembrane protein 2	GO:0016021	integral to membrane
315957	Tmem22	transmembrane protein 22	GO:0016021	integral to membrane
314224	Tmem30b	transmembrane protein 30B	GO:0016021	integral to membrane
59303	Tmem33	transmembrane protein 33	GO:0016021	integral to membrane
313067	Tmem67,Wpk	transmembrane protein 67	GO:0016021	integral to membrane
498229	Tmem81	transmembrane protein 81	GO:0016021	integral to membrane
685882	Tmem90a	transmembrane protein 90A	GO:0016021	integral to membrane
367074	Tmprs4	transmembrane protease, serine 4	GO:0016021	integral to membrane
311209	Tp53i11,Trp53i11	tumor protein p53 inducible protein 11	GO:0016021	integral to membrane
25570	Trhr	thyrotropin releasing hormone receptor	GO:0016021	integral to membrane
64521	Tspan-2,Tspan2	tetraspanin 2	GO:0016021	integral to membrane
25708	Ucp3	uncoupling protein 3 (mitochondrial, proton carrier)	GO:0016021	integral to membrane
24861	UDPGT 1-1,Udpgt1,Ugt11,U	UDP glucuronosyltransferase 1 family, polypeptide A1	GO:0016021	integral to membrane
396527	Udpgt4,Ugt16,UDPGT 1-2,U	UDP glucuronosyltransferase 1 family, polypeptide A2	GO:0016021	integral to membrane
301595	Ugt14,Ugt1a82,UDPGT 1-8,U	UDP glycosyltransferase 1 family, polypeptide A8	GO:0016021	integral to membrane
396551	Ugt17,UDPGT 1-3,Ugt1a3,U	UDP glycosyltransferase 1 family, polypeptide A3	GO:0016021	integral to membrane
574523	Ugt18,Ugt1a62,UDPGT 1-5,U	UDP glucuronosyltransferase 1 family, polypeptide A5	GO:0016021	integral to membrane
396552	Ugt1a92,Ugt1a10,Ugt1a11	UDP glucuronosyltransferase 1 family, polypeptide A9	GO:0016021	integral to membrane
24862	Ugt2b,Ugt2b2	UDP glycosyltransferase 2 family, polypeptide B	GO:0016021	integral to membrane
50555	Ugt8,Ugt8a	UDP glycosyltransferase 8	GO:0016021	integral to membrane
362049	Unc5c	unc-5 homolog C (C. elegans)	GO:0016021	integral to membrane
365227	Upk1a	uroplakin 1A	GO:0016021	integral to membrane
297439	V1ra12,Vn3,Vnr3,Vom1r100	vomeronasal 1 receptor 100	GO:0016021	integral to membrane
266771	V1ra16,Vom1r90	vomeronasal 1 receptor 90	GO:0016021	integral to membrane
364033	Vamp4	vesicle-associated membrane protein 4	GO:0016021	integral to membrane
58857	Vapa	VAMP (vesicle-associated membrane protein)-associated protein A	GO:0016021	integral to membrane
286981	Vom2r32	vomeronasal 2 receptor, 32	GO:0016021	integral to membrane
286986	Vom2r75	vomeronasal 2 receptor, 75	GO:0016021	integral to membrane
301086	Xcr1	chemokine (C motif) receptor 1	GO:0016021	integral to membrane
311549	Xkr7	XK, Kell blood group complex subunit-related family, member 7	GO:0016021	integral to membrane
297801	XRG4,Xkr4	XK, Kell blood group complex subunit-related family, member 4	GO:0016021	integral to membrane
79246	5-HT3,5-HT3A,5HT3,Htr3,Ht	5-hydroxytryptamine (serotonin) receptor 3a	GO:0005887	integral to plasma membrane
310836	ABCR,Abca4	ATP-binding cassette, subfamily A (ABC1), member 4	GO:0005887	integral to plasma membrane
79123	Accn2,Asic1	amiloride-sensitive cation channel 2, neuronal	GO:0005887	integral to plasma membrane
57027	Adam17,TACE	ADAM metallopeptidase domain 17	GO:0005887	integral to plasma membrane
300186	Ali1,Amigo2	adhesion molecule with Ig like domain 2	GO:0005887	integral to plasma membrane
50676	BGT1,Gat1,RNU28927,Slc6a	solute carrier family 6 (neurotransmitter transporter, betaine/GABA), member 12	GO:0005887	integral to plasma membrane
192675	Bsnd,MGC93168	Bartter syndrome, infantile, with sensorineural deafness (Barttin)	GO:0005887	integral to plasma membrane
25404	Cav,Cav1,MGC187299	caveolin 1, caveolae protein	GO:0005887	integral to plasma membrane
308501	Cd22	CD22 molecule	GO:0005887	integral to plasma membrane
25073	Cd36i1,SR-B1,Scarb1,Srb1	scavenger receptor class B, member 1	GO:0005887	integral to plasma membrane
24699	CD45,L-CA,Lca,Ptprc,RT7,T2	protein tyrosine phosphatase, receptor type, C	GO:0005887	integral to plasma membrane
29364	Cd47,Itgp,MGC93490	Cd47 molecule	GO:0005887	integral to plasma membrane
79425	Clcnk1,Clcnka,MGC93313	chloride channel Ka	GO:0005887	integral to plasma membrane
81651	Cspg4,Ng2	chondroitin sulfate proteoglycan 4	GO:0005887	integral to plasma membrane
24392	Cx43,Gja1,MGC93610	gap junction protein, alpha 1	GO:0005887	integral to plasma membrane

685781	Ddr2,Tyro10	discoilin domain receptor tyrosine kinase 2	GO:0005887	integral to plasma membrane
289546	Desc4,RGD1306446	similar to RIKEN cDNA 9930032O22 gene	GO:0005887	integral to plasma membrane
25715	Dmt1,Nramp2,Slc11a2	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2	GO:0005887	integral to plasma membrane
24318	Drd2	dopamine receptor D2	GO:0005887	integral to plasma membrane
298528	Epha10,RGD1562679	EPH receptor A10	GO:0005887	integral to plasma membrane
287989	Ephb3	Eph receptor B3	GO:0005887	integral to plasma membrane
54251	Flt1,VEGFR-1	fms-related tyrosine kinase 1	GO:0005887	integral to plasma membrane
29705	Gabra1	gamma-aminobutyric acid (GABA) A receptor, alpha 1	GO:0005887	integral to plasma membrane
79212	Gabt1,Slc6a1	solute carrier family 6 (neurotransmitter transporter, GABA), member 1	GO:0005887	integral to plasma membrane
298521	GluR7,Grik3,gluR-7	glutamate receptor, ionotropic, kainate 3	GO:0005887	integral to plasma membrane
113955	Gpnmb	glycoprotein (transmembrane) nmb	GO:0005887	integral to plasma membrane
24415	Grm2	glutamate receptor, metabotropic 2	GO:0005887	integral to plasma membrane
24417	Grm4	glutamate receptor, metabotropic 4	GO:0005887	integral to plasma membrane
291936	Hhip,RGD1564108	Hedgehog-interacting protein	GO:0005887	integral to plasma membrane
24954	Insr	insulin receptor	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
314941	Lrp12	low density lipoprotein-related protein 12	GO:0005887	integral to plasma membrane
60577	MGC91625,Slc15a2	solute carrier family 15 (H+/peptide transporter), member 2	GO:0005887	integral to plasma membrane
24779	MGC93554,Slc4a1	solute carrier family 4 (anion exchanger), member 1	GO:0005887	integral to plasma membrane
298982	MGC93683,Maea	macrophage erythroblast attacher	GO:0005887	integral to plasma membrane
25601	MORA,Oprm,Oprm1,Oprmm	opioid receptor, mu 1	GO:0005887	integral to plasma membrane
25054	Ntrk2,RATRK1B1,TRKB1,Tktr	neurotrophic tyrosine kinase, receptor, type 2	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
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
24629	Pdgfrb	platelet derived growth factor receptor, beta polypeptide	GO:0005887	integral to plasma membrane
292949	Perp	PERP, TP53 apoptosis effector	GO:0005887	integral to plasma membrane
295401	Prg12,Lppr4,Prg-1	lipid phosphate phosphatase-related protein type 4	GO:0005887	integral to plasma membrane
117100	Prot,Slc6a7	solute carrier family 6 (neurotransmitter transporter, L-proline), member 7	GO:0005887	integral to plasma membrane
361618	Stim1	stromal interaction molecule 1	GO:0005887	integral to plasma membrane
89804	Tek,Tie-2,Tie2	TEK tyrosine kinase, endothelial	GO:0005887	integral to plasma membrane
29260	Tlr4	toll-like receptor 4	GO:0005887	integral to plasma membrane
295061	Tm4sf1	transmembrane 4 L six family member 1	GO:0005887	integral to plasma membrane
60395	Trpc3,Trpp3	transient receptor potential cation channel, subfamily C, member 3	GO:0005887	integral to plasma membrane
24861	UDPGT 1-1,Udpgt1,Ugt11,U	UDP glucuronosyltransferase 1 family, polypeptide A1	GO:0005887	integral to plasma membrane
25334	Bhlha15,Bhlhb8,Mist1,bHLH	basic helix-loop-helix family, member a15	GO:0048312	intracellular distribution of mitochondria
64531	Omp25,Synj2bp	synaptojanin 2 binding protein	GO:0048312	intracellular distribution of mitochondria
84018	Synj2	synaptojanin 2	GO:0048312	intracellular distribution of mitochondria
286970	Abca5	ATP-binding cassette, subfamily A (ABC1), member 5	GO:0005770	late endosome
363254	Atg9a,MGC105908,RGD1311	ATG9 autophagy related 9 homolog A (S. cerevisiae)	GO:0005770	late endosome
24392	Cx43,Gja1,MGC93610	gap junction protein, alpha 1	GO:0005770	late endosome
25715	Dmt1,Nramp2,Slc11a2	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2	GO:0005770	late endosome
498486	Gnpat1,RGD1563144	glucosamine-phosphate N-acetyltransferase 1	GO:0005770	late endosome
29430	HAP1-A,HAP1-B,Hap1	huntingtin-associated protein 1	GO:0005770	late endosome
25151	Igf2r	insulin-like growth factor 2 receptor	GO:0005770	late endosome
312689	M6pr,MGC94300	mannose-6-phosphate receptor, cation dependent	GO:0005770	late endosome
362245	MGC105263,Map1lc3a	microtubule-associated protein 1 light chain 3 alpha	GO:0005770	late endosome
360834	MGC116271,Vps4b	vacuolar protein sorting 4 homolog B (S. cerevisiae)	GO:0005770	late endosome
64060	MGC93106,Vps33b	vacuolar protein sorting 33 homolog B (yeast)	GO:0005770	late endosome
298296	NARC-1,Narc1,PC9,Pcsk9	proprotein convertase subtilisin/kexin type 9	GO:0005770	late endosome
29448	Rab7,Rab7a	RAB7A, member RAS oncogene family	GO:0005770	late endosome
306991	RGD1560511,Vps41	vacuolar protein sorting 41 homolog (S. cerevisiae)	GO:0005770	late endosome
366568	Slc30a3,ZnT3	solute carrier family 30 (zinc transporter), member 3	GO:0005770	late endosome
64469	Slc30a4	solute carrier family 30 (zinc transporter), member 4	GO:0005770	late endosome
64088	Snx16	sorting nexin 16	GO:0005770	late endosome

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308846	Uvrag	UV radiation resistance associated gene	GO:0005770	late endosome
65142	Arl2	ADP-ribosylation factor-like 2	GO:0016328	lateral plasma membrane
83502	Cdh1	cadherin 1	GO:0016328	lateral plasma membrane
304407	Cldn4	claudin 4	GO:0016328	lateral plasma membrane
65132	Cldn7,MGC124679	claudin 7	GO:0016328	lateral plasma membrane
394266	CXN-26,Cx26,Gjb2,MGC9388	gap junction protein, beta 2	GO:0016328	lateral plasma membrane
24318	Drd2	dopamine receptor D2	GO:0016328	lateral plasma membrane
65261	Myo1c2,Myr22	myosin IC	GO:0016328	lateral plasma membrane
312563	Prickle2	prickle homolog 2 (Drosophila)	GO:0016328	lateral plasma membrane
63836	Actn4	actinin alpha 4	04670	Leukocyte transendothelial migration
26955	Af6,Mllt4	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 4	04670	Leukocyte transendothelial migration
307505	Catna1,Ctnna1,MGC93767	catenin (cadherin associated protein), alpha 1	04670	Leukocyte transendothelial migration
297357	Catna2,Ctnna2	catenin (cadherin associated protein), alpha 2	04670	Leukocyte transendothelial migration
24832	CD7,Thy1	Thy-1 cell surface antigen	04670	Leukocyte transendothelial migration
84588	Cldn11	claudin 11	04670	Leukocyte transendothelial migration
304073	Cldn14,MGC109472	claudin 14	04670	Leukocyte transendothelial migration
315953	Cldn18	claudin 18	04670	Leukocyte transendothelial migration
290789	Cldn23,MGC124737	claudin 23	04670	Leukocyte transendothelial migration
304407	Cldn4	claudin 4	04670	Leukocyte transendothelial migration
287098	Cldn6	claudin 6	04670	Leukocyte transendothelial migration
65132	Cldn7,MGC124679	claudin 7	04670	Leukocyte transendothelial migration
287099	Cldn9	claudin 9	04670	Leukocyte transendothelial migration
24772	Cxcl12,Sdf1	chemokine (C-X-C motif) ligand 12 (stromal cell-derived factor 1)	04670	Leukocyte transendothelial migration
60628	Cxcr4,MGC108696	chemokine (C-X-C motif) receptor 4	04670	Leukocyte transendothelial migration
59326	Epac,MGC124613,Rapgef3	Rap guanine nucleotide exchange factor (GEF) 3	04670	Leukocyte transendothelial migration
54319	Ezr,MGC94076,Vil2	ezrin	04670	Leukocyte transendothelial migration
25614	FAK,FRNK,Ptk2	PTK2 protein tyrosine kinase 2	04670	Leukocyte transendothelial migration
311144	Itga4	integrin, alpha 4	04670	Leukocyte transendothelial migration
308995	Itgal	integrin, alpha L	04670	Leukocyte transendothelial migration
619374	Jam2	junctional adhesion molecule 2	04670	Leukocyte transendothelial migration
170911	MGC116320,Pik3ca	phosphoinositide-3-kinase, catalytic, alpha polypeptide	04670	Leukocyte transendothelial migration
29513	MGC124619,Mapk13,Prkm1	mitogen activated protein kinase 13	04670	Leukocyte transendothelial migration
297173	MGC94489,RSA-14-44	RSA-14-44 protein	04670	Leukocyte transendothelial migration
81686	Mmp2	matrix metalloproteinase 2	04670	Leukocyte transendothelial migration
81687	Mmp9	matrix metalloproteinase 9	04670	Leukocyte transendothelial migration
366508	Pik3cd	phosphoinositide-3-kinase, catalytic, delta polypeptide	04670	Leukocyte transendothelial migration
25023	Pkcb,Prkcb,Prkcb1	protein kinase C, beta	04670	Leukocyte transendothelial migration
25738	PPLCA,Plcg1	phospholipase C, gamma 1	04670	Leukocyte transendothelial migration
360820	Pxn	paxillin	04670	Leukocyte transendothelial migration
501203	RGD1309537,Rlc-a	similar to Myosin regulatory light chain 2-A, smooth muscle isoform (Myosin RLC-A)	04670	Leukocyte transendothelial migration
296603	Vav2	vav 2 guanine nucleotide exchange factor	04670	Leukocyte transendothelial migration
305679	Vcl	vinculin	04670	Leukocyte transendothelial migration
245921	Acvr1c,Alk-7,Alk7,habrec1	activin A receptor, type 1C	GO:0019915	lipid storage
298199	Adfp,Adrp,MGC94591	adipose differentiation related protein	GO:0019915	lipid storage
25404	Cav,Cav1,MGC187299	caveolin 1, caveolae protein	GO:0019915	lipid storage
29184	Cd36,Fat1,MGC108510,MG1	CD36 molecule (thrombospondin receptor)	GO:0019915	lipid storage
282838	Gm2a	GM2 ganglioside activator	GO:0019915	lipid storage
304157	Nrip1,RIP140	nuclear receptor interacting protein 1	GO:0019915	lipid storage
25126	Stat5b	signal transducer and activator of transcription 5B	GO:0019915	lipid storage
315824	Bmp5	bone morphogenetic protein 5	GO:0030539	male genitalia development
394266	CXN-26,Cx26,Gjb2,MGC9388	gap junction protein, beta 2	GO:0030539	male genitalia development
286994	Gpr48,Lgr4	leucine-rich repeat-containing G protein-coupled receptor 4	GO:0030539	male genitalia development
288154	Hoxd13	homeo box D13	GO:0030539	male genitalia development
24950	MGC156498,S5AR 1,Srd5a1	steroid-5-alpha-reductase, alpha polypeptide 1 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 1)	GO:0030539	male genitalia development
303586	Wnt9b	wingless-type MMTV integration site family, member 9B	GO:0030539	male genitalia development
24883	Wt1	Wilms tumor 1	GO:0030539	male genitalia development

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288378	Cd209b	CD209b antigen	GO:0005537	mannose binding
299928	Colec10	collectin sub-family member 10	GO:0005537	mannose binding
25151	Igf2r	insulin-like growth factor 2 receptor	GO:0005537	mannose binding
312689	M6pr,MGC94300	mannose-6-phosphate receptor, cation dependent	GO:0005537	mannose binding
310864	MGC116230,MGC125196,M	mannosidase, beta A, lysosomal	GO:0005537	mannose binding
291327	Mrc1	mannose receptor, C type 1	GO:0005537	mannose binding
362962	Cbx7	chromobox homolog 7	GO:0035064	methylated histone residue binding
300320	L3mbtl2,MGC124862	l(3)mbt-like 2 (Drosophila)	GO:0035064	methylated histone residue binding
362093	MGC114572,Wdr5	WD repeat domain 5	GO:0035064	methylated histone residue binding
315508	Ncapd3	non-SMC condensin II complex, subunit D3	GO:0035064	methylated histone residue binding
306814	Phf2	PHD finger protein 2	GO:0035064	methylated histone residue binding
295953	Rag2	recombination activating gene 2	GO:0035064	methylated histone residue binding
301555	Cul3,MGC189292	cullin 3	GO:0000090	mitotic anaphase
287598	Fam33a,MGC109093,RGD1	spindle and kinetochore associated complex subunit 2	GO:0000090	mitotic anaphase
296284	Kif3b	kinesin family member 3B	GO:0000090	mitotic anaphase
291441	RGD1310784,Ska1	spindle and kinetochore associated complex subunit 1	GO:0000090	mitotic anaphase
29344	Berg36,Brf11,ERF1,TIS11b,Z	zinc finger protein 36, C3H type-like 1	GO:0003729	mRNA binding
500538	Byb1,Cbfa,Dbpb,Ef1a,Msy1,	Y box binding protein 1	GO:0003729	mRNA binding
293056	Cpeb1	cytoplasmic polyadenylation element binding protein 1	GO:0003729	mRNA binding
360602	Crop,Luc7l3,RGD1307981	LUC7-like 3 (S. cerevisiae)	GO:0003729	mRNA binding
500409	Esrp1,RGD1560481	epithelial splicing regulatory protein 1	GO:0003729	mRNA binding
307810	Esrp2,RGD1310855,Rbm35b	epithelial splicing regulatory protein 2	GO:0003729	mRNA binding
360726	Fyttl1,RGD1306899	forty-two-three domain containing 1	GO:0003729	mRNA binding
362152	Hnrnpa3,Hnrpa3	heterogeneous nuclear ribonucleoprotein A3	GO:0003729	mRNA binding
290046	Hnrnpc,Hnrpc,MGC114359,	heterogeneous nuclear ribonucleoprotein C (C1/C2)	GO:0003729	mRNA binding
315073	Jrk	jerky homolog (mouse)	GO:0003729	mRNA binding
681062	MGC187387,Slbp	stem-loop binding protein	GO:0003729	mRNA binding
306011	Piwil2	piwi-like 2 (Drosophila)	GO:0003729	mRNA binding
57027	Adam17,TACE	ADAM metallopeptidase domain 17	GO:0032717	negative regulation of interleukin-8 production
296321	Bpi,MGC94477	bactericidal/permeability-increasing protein	GO:0032717	negative regulation of interleukin-8 production
24499	IL6R1,IL6r,IL6ra	interleukin 6 receptor	GO:0032717	negative regulation of interleukin-8 production
65038	Inpp1,Ship2	inositol polyphosphate phosphatase-like 1	GO:0010642	negative regulation of platelet-derived growth factor receptor signaling pathway
29219	MGC105443,Snca	synuclein, alpha (non A4 component of amyloid precursor)	GO:0010642	negative regulation of platelet-derived growth factor receptor signaling pathway
59114	Slc9a3r1	solute carrier family 9 (sodium/hydrogen exchanger), member 3 regulator 1	GO:0010642	negative regulation of platelet-derived growth factor receptor signaling pathway
65218	Agap2,Centg1,Pike	ArfGAP with GTPase domain, ankyrin repeat and PH domain 2	GO:0042177	negative regulation of protein catabolic process
685374	Ankrd13c	ankyrin repeat domain 13C	GO:0042177	negative regulation of protein catabolic process
29366	Gdnprn1,PI-7,Pn-1,Serpine2,	serine (or cysteine) peptidase inhibitor, clade E, member 2	GO:0042177	negative regulation of protein catabolic process
304798	Mdm4	Mdm4 p53 binding protein homolog (mouse)	GO:0042177	negative regulation of protein catabolic process
309165	NFKB,Rela	v-rel reticuloendotheliosis viral oncogene homolog A (avian)	GO:0042177	negative regulation of protein catabolic process
24323	Edn1,Et1	endothelin 1	GO:0034392	negative regulation of smooth muscle cell apoptosis
24482	Igf1	insulin-like growth factor 1	GO:0034392	negative regulation of smooth muscle cell apoptosis
312781	Lrp6	low density lipoprotein receptor-related protein 6	GO:0034392	negative regulation of smooth muscle cell apoptosis
367218	Cbfa1,Runx2	runt-related transcription factor 2	GO:0045879	negative regulation of smoothened signaling pathway
84489	Fgfr3	fibroblast growth factor receptor 3	GO:0045879	negative regulation of smoothened signaling pathway
29366	Gdnprn1,PI-7,Pn-1,Serpine2,	serine (or cysteine) peptidase inhibitor, clade E, member 2	GO:0045879	negative regulation of smoothened signaling pathway
291936	Hhip,RGD1564108	Hedgehog-interacting protein	GO:0045879	negative regulation of smoothened signaling pathway
24708	Rb1	retinoblastoma 1	GO:0045879	negative regulation of smoothened signaling pathway
364910	Sall3	sal-like 3 (Drosophila)	GO:0045879	negative regulation of smoothened signaling pathway
84480	Bnip3,MGC93043	BCL2/adenovirus E1B interacting protein 3	GO:0008634	negative regulation of survival gene product expression
140923	Bnip3l,Nix	BCL2/adenovirus E1B interacting protein 3-like	GO:0008634	negative regulation of survival gene product expression
294790	RGD1562456,Skp2	S-phase kinase-associated protein 2 (p45)	GO:0008634	negative regulation of survival gene product expression
50662	Aml1,Cbfa2,Runx1	runt-related transcription factor 1	GO:0030182	neuron differentiation
24215	Atp2b2,PMCA2	ATPase, Ca++ transporting, plasma membrane 2	GO:0030182	neuron differentiation
94268	B61,Efna1	ephrin A1	GO:0030182	neuron differentiation
365748	Bhlhb5,Bhlhe22	basic helix-loop-helix family, member e22	GO:0030182	neuron differentiation
25402	Casp3,Lice,MGC93645	caspase 3	GO:0030182	neuron differentiation

290567	Chat	choline acetyltransferase	GO:0030182	neuron differentiation
25518	CYCA,MGC72881,Ppia	peptidylprolyl isomerase A (cyclophilin A)	GO:0030182	neuron differentiation
499964	En2,RGD1561842	engrailed homeobox 2	GO:0030182	neuron differentiation
85246	Gas7	growth arrest specific 7	GO:0030182	neuron differentiation
171517	Gpc2	glypican 2	GO:0030182	neuron differentiation
301575	Itm2c,MGC94903	integral membrane protein 2C	GO:0030182	neuron differentiation
170851	Map2k1,Mek1	mitogen activated protein kinase 1	GO:0030182	neuron differentiation
83574	MGC109416,Rxrg	retinoid X receptor gamma	GO:0030182	neuron differentiation
94270	MGC156562,Nnat,Peg5	neuronatin	GO:0030182	neuron differentiation
298296	NARC-1,Narc1,PC9,Pcsk9	proprotein convertase subtilisin/kexin type 9	GO:0030182	neuron differentiation
25496	NOTCH,Notch1,TAN1	Notch homolog 1, translocation-associated (Drosophila)	GO:0030182	neuron differentiation
116644	Nsp,Rtn1	reticulum 1	GO:0030182	neuron differentiation
305858	Otx2	orthodenticle homeobox 2	GO:0030182	neuron differentiation
94202	Pcptp1,Ptpr	protein tyrosine phosphatase, receptor type, R	GO:0030182	neuron differentiation
296360	Pigt	phosphatidylinositol glycan anchor biosynthesis, class T	GO:0030182	neuron differentiation
24708	Rb1	retinoblastoma 1	GO:0030182	neuron differentiation
29461	Vgf	VEGF nerve growth factor inducible	GO:0030182	neuron differentiation
24590	CD10,MGC93576,Mme1,Ne	membrane metallo endopeptidase	GO:0044306	neuron projection terminus
29495	Dlg4,Dlgh4,PSD95,Sap90	discs, large homolog 4 (Drosophila)	GO:0044306	neuron projection terminus
24379	Gad1,Gad67	glutamate decarboxylase 1	GO:0044306	neuron projection terminus
117048	Cdh17	cadherin 17	GO:0006857	oligopeptide transport
246280	MGC105315,Slc15a4	solute carrier family 15, member 4	GO:0006857	oligopeptide transport
60577	MGC91625,Slc15a2	solute carrier family 15 (H+/peptide transporter), member 2	GO:0006857	oligopeptide transport
24224	Bcl-2,Bcl2	B-cell CLL/lymphoma 2	GO:0009887	organ morphogenesis
85272	BMP-7,Bmp7	bone morphogenetic protein 7	GO:0009887	organ morphogenesis
50566	Cktsf1b1,Grem1,drm	gremlin 1, cysteine knot superfamily, homolog (Xenopus laevis)	GO:0009887	organ morphogenesis
79237	Hex,Hhex	hematopoietically expressed homeobox	GO:0009887	organ morphogenesis
291936	Hhip,RGD1564108	Hedgehog-interacting protein	GO:0009887	organ morphogenesis
24483	IGF1,Igf2,RNIGF2	insulin-like growth factor 2	GO:0009887	organ morphogenesis
25718	IGFIR,C,Igf1r,JK13	insulin-like growth factor 1 receptor	GO:0009887	organ morphogenesis
24954	Insr	insulin receptor	GO:0009887	organ morphogenesis
497991	Med1,RGD1559552	mediator complex subunit 1	GO:0009887	organ morphogenesis
83467	Megf5,Slit3	slit homolog 3 (Drosophila)	GO:0009887	organ morphogenesis
309165	NFKB,Rela	v-rel reticuloendotheliosis viral oncogene homolog A (avian)	GO:0009887	organ morphogenesis
25628	Nkx2-1,TTF1,Titf1	NK2 homeobox 1	GO:0009887	organ morphogenesis
305858	Otx2	orthodenticle homeobox 2	GO:0009887	organ morphogenesis
304947	Pbx1	pre-B-cell leukemia homeobox 1	GO:0009887	organ morphogenesis
311245	Traf6	Tnf receptor-associated factor 6	GO:0009887	organ morphogenesis
114111	Vegfc	vascular endothelial growth factor C	GO:0009887	organ morphogenesis
29263	Acvr2,Acvr2a,rActR-II	activin A receptor, type IIA	GO:0043084	penile erection
24326	ENDOR,Ednra1,Eta,RATEND	endothelin receptor type A	GO:0043084	penile erection
29461	Vgf	VEGF nerve growth factor inducible	GO:0043084	penile erection
192154	Hip1	huntingtin interacting protein 1	GO:0035091	phosphatidylinositol binding
297096	MGC109202,Snx10	sorting nexin 10	GO:0035091	phosphatidylinositol binding
361328	MGC94664,Snx24	sorting nexin 24	GO:0035091	phosphatidylinositol binding
260323	Mrt1,Snx27	sorting nexin family member 27	GO:0035091	phosphatidylinositol binding
114115	P2X2,P2rx2	purinergic receptor P2X, ligand-gated ion channel, 2	GO:0035091	phosphatidylinositol binding
116720	Pik3c2g	phosphoinositide-3-kinase, class 2, gamma polypeptide	GO:0035091	phosphatidylinositol binding
25097	Pld2,Pldc	phospholipase D2	GO:0035091	phosphatidylinositol binding
295953	Rag2	recombination activating gene 2	GO:0035091	phosphatidylinositol binding
29517	Sgk,Sgk1	serum/gluocorticoid regulated kinase 1	GO:0035091	phosphatidylinositol binding
310097	Snag1,Snx18	sorting nexin 18	GO:0035091	phosphatidylinositol binding
293691	Snx15	sorting nexin 15	GO:0035091	phosphatidylinositol binding
64088	Snx16	sorting nexin 16	GO:0035091	phosphatidylinositol binding
315478	Snx19	sorting nexin 19	GO:0035091	phosphatidylinositol binding
291464	Snx2	sorting nexin 2	GO:0035091	phosphatidylinositol binding

360725	Snx4	sorting nexin 4	GO:0035091	phosphatidylinositol binding
296199	Snx5	sorting nexin 5	GO:0035091	phosphatidylinositol binding
288504	Snx8	sorting nexin 8	GO:0035091	phosphatidylinositol binding
170911	MGC116320,Pik3ca	phosphoinositide-3-kinase, catalytic, alpha polypeptide	GO:0046934	phosphatidylinositol-4,5-bisphosphate 3-kinase activity
498075	MGC125004,Trat1	T cell receptor associated transmembrane adaptor 1	GO:0046934	phosphatidylinositol-4,5-bisphosphate 3-kinase activity
366508	Pik3cd	phosphoinositide-3-kinase, catalytic, delta polypeptide	GO:0046934	phosphatidylinositol-4,5-bisphosphate 3-kinase activity
25406	CD44A,Cd44,METAA,MGC1	Cd44 molecule	GO:0051219	phosphoprotein binding
64086	Csnk1g1	casein kinase 1, gamma 1	GO:0051219	phosphoprotein binding
64823	Csnk1g3	casein kinase 1, gamma 3	GO:0051219	phosphoprotein binding
56718	Frap1,Mtor,RAFT1	mechanistic target of rapamycin (serine/threonine kinase)	GO:0051219	phosphoprotein binding
58844	Grb14	growth factor receptor bound protein 14	GO:0051219	phosphoprotein binding
81504	Grb2,MGC108668	growth factor receptor bound protein 2	GO:0051219	phosphoprotein binding
25151	Igf2r	insulin-like growth factor 2 receptor	GO:0051219	phosphoprotein binding
83572	LIS1,Pafah1b1	platelet-activating factor acetylhydrolase, isoform 1b, subunit 1	GO:0051219	phosphoprotein binding
29219	MGC105443,Snca	synuclein, alpha (non A4 component of amyloid precursor)	GO:0051219	phosphoprotein binding
25738	PPLCA,Plcg1	phospholipase C, gamma 1	GO:0051219	phosphoprotein binding
117044	Raga,Rraga	Ras-related GTP binding A	GO:0051219	phosphoprotein binding
24708	Rb1	retinoblastoma 1	GO:0051219	phosphoprotein binding
56011	Ywhab	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, beta polypeptide	GO:0051219	phosphoprotein binding
25204	BDP,PC1,PC3,Pcsk1	proprotein convertase subtilisin/kexin type 1	GO:0021983	pituitary gland development
81507	Bmpr1a	bone morphogenetic protein receptor, type IA	GO:0021983	pituitary gland development
83502	Cdh1	cadherin 1	GO:0021983	pituitary gland development
24356	Ets-11,Ets1,Etsnbc,MGC12	v-ets erythroblastosis virus E26 oncogene homolog 1 (avian)	GO:0021983	pituitary gland development
25517	GHF1,GHF1A,PIT1Z,Pit1,Pou	POU class 1 homeobox 1	GO:0021983	pituitary gland development
24950	MGC156498,S5AR 1,Srd5a1	steroid-5-alpha-reductase, alpha polypeptide 1 (3-oxo-5 alpha-steroid delta 4-dehydrogenase alpha 1)	GO:0021983	pituitary gland development
25628	Nkx2-1,TTF1,Titf1	NK2 homeobox 1	GO:0021983	pituitary gland development
25495	Nog	noggin	GO:0021983	pituitary gland development
679869	Tcf7l2	transcription factor 7-like 2 (T-cell specific, HMG-box)	GO:0021983	pituitary gland development
79011	1G5,Camkv	CaM kinase-like vesicle-associated	GO:0005886	plasma membrane
59317	4.1N,Epb4.1l1,Epb4l1l	erythrocyte membrane protein band 4.1-like 1	GO:0005886	plasma membrane
79246	5-HT3,5-HT3A,5HT3,Htr3,Ht	5-hydroxytryptamine (serotonin) receptor 3a	GO:0005886	plasma membrane
314539	7a5,Macc1,RGD1309838	metastasis associated in colon cancer 1	GO:0005886	plasma membrane
29259	A.11,L-selectin,LECAM-1,Sel	selectin L	GO:0005886	plasma membrane
500244	Aak1,RGD1563580	AP2 associated kinase 1	GO:0005886	plasma membrane
25560	Abcc9,Sur2	ATP-binding cassette, subfamily C (CFTR/MRP), member 9	GO:0005886	plasma membrane
114628	Abcg5	ATP-binding cassette, subfamily G (WHITE), member 5	GO:0005886	plasma membrane
155192	Abcg8	ATP-binding cassette, subfamily G (WHITE), member 8	GO:0005886	plasma membrane
286939	ACAM,Asam,CLMP,OI16	adipocyte-specific adhesion molecule	GO:0005886	plasma membrane
79123	Accn2,Asic1	amiloride-sensitive cation channel 2, neuronal	GO:0005886	plasma membrane
81645	Acm2,Chrm2	cholinergic receptor, muscarinic 2	GO:0005886	plasma membrane
25288	ACS,Acas,Acs1,COAA,Facl2	acyl-CoA synthetase long-chain family member 1	GO:0005886	plasma membrane
245921	Acvr1c,Alk-7,Alk7,habrec1	activin A receptor, type IC	GO:0005886	plasma membrane
29263	Acvr2,Acvr2a,rActR-II	activin A receptor, type IIA	GO:0005886	plasma membrane
57027	Adam17,TACE	ADAM metalloproteinase domain 17	GO:0005886	plasma membrane
290834	Adam9,MDC9	ADAM metalloproteinase domain 9 (meltrin gamma)	GO:0005886	plasma membrane
81636	Adcy2	adenylate cyclase 2 (brain)	GO:0005886	plasma membrane
25230	Add3	adducin 3 (gamma)	GO:0005886	plasma membrane
298199	Adfp,Adrp,MGC94591	adipose differentiation related protein	GO:0005886	plasma membrane
24174	Adra2b	adrenergic, alpha-2B-, receptor	GO:0005886	plasma membrane
289276	Adss,Adss2	adenylosuccinate synthase	GO:0005886	plasma membrane
26955	Af6,Mllt4	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 4	GO:0005886	plasma membrane
294324	Agpat3	1-acylglycerol-3-phosphate O-acyltransferase 3	GO:0005886	plasma membrane
89805	Agpt2,Ang-2,Angpt2	angiopoietin 2	GO:0005886	plasma membrane
298646	Agtrap,MGC95145	angiotensin II receptor-associated protein	GO:0005886	plasma membrane
300186	Ali1,Amigo2	adhesion molecule with Ig like domain 2	GO:0005886	plasma membrane
171086	Als2cr3,GRIF-1,MGC93214,T	trafficking protein, kinesin binding 2	GO:0005886	plasma membrane

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56611	ANX2,Anxa2	annexin A2	GO:0005886	plasma membrane
25673	Anx5,Anxa5,LC5,MGC93655	annexin A5	GO:0005886	plasma membrane
29473	Aoc3,SSAO	amine oxidase, copper containing 3 (vascular adhesion protein 1)	GO:0005886	plasma membrane
140670	Ap2b1	adaptor-related protein complex 2, beta 1 subunit	GO:0005886	plasma membrane
444983	Apold1,Verge	apolipoprotein L domain containing 1	GO:0005886	plasma membrane
79120	Arf4	ADP-ribosylation factor 4	GO:0005886	plasma membrane
362162	Arfgap2,MGC124884,Zfp285	ADP-ribosylation factor GTPase activating protein 2	GO:0005886	plasma membrane
295588	Arhe,RHOE1,Rnd3	Rho family GTPase 3	GO:0005886	plasma membrane
25721	ASPATA,Got2	glutamic-oxaloacetic transaminase 2, mitochondrial (aspartate aminotransferase 2)	GO:0005886	plasma membrane
170567	Ata1,GlnT,Sat11,Slc38a1	solute carrier family 38, member 1	GO:0005886	plasma membrane
29642	Ata2,Atrc2,Sat21,Slc38a2,Sn	solute carrier family 38, member 2	GO:0005886	plasma membrane
306487	Atip3b,Mtsg1,Mtus1	mitochondrial tumor suppressor 1	GO:0005886	plasma membrane
24211	Atp1a1,Nkaa1b	ATPase, Na+/K+ transporting, alpha 1 polypeptide	GO:0005886	plasma membrane
24212	Atp1a2,RATATPA2	ATPase, Na+/K+ transporting, alpha 2 polypeptide	GO:0005886	plasma membrane
24213	Atp1a3,Atpa1a3	ATPase, Na+/K+ transporting, alpha 3 polypeptide	GO:0005886	plasma membrane
25390	Atp1b3,NKAB3S	ATPase, Na+/K+ transporting, beta 3 polypeptide	GO:0005886	plasma membrane
24215	Atp2b2,PMCA2	ATPase, Ca++ transporting, plasma membrane 2	GO:0005886	plasma membrane
170699	Atp2c1,MGC93231	ATPase, Ca++ transporting, type 2C, member 1	GO:0005886	plasma membrane
117596	Atp6b1b2,Atp6b2,Atp6v1b2	ATPase, H transporting, lysosomal V1 subunit B2	GO:0005886	plasma membrane
685232	Atp6v1a,Atp6v1a1	ATPase, H+ transporting, lysosomal V1 subunit A	GO:0005886	plasma membrane
24214	ATPB2,ATPB2S,Amog,Atp1b	ATPase, Na+/K+ transporting, beta 2 polypeptide	GO:0005886	plasma membrane
25648	Atrc1,CAT1,Cat-1,Slc7a1	solute carrier family 7 (cationic amino acid transporter, y+ system), member 1	GO:0005886	plasma membrane
83526	Atrn	attractin	GO:0005886	plasma membrane
94268	B61,Efna1	ephrin A1	GO:0005886	plasma membrane
301309	Bai3	brain-specific angiogenesis inhibitor 3	GO:0005886	plasma membrane
29423	Basp2,Gap43,MGC156666	growth associated protein 43	GO:0005886	plasma membrane
303185	Bhd,Flcn,MGC94558	folliculin	GO:0005886	plasma membrane
499356	Blnk,MGC112831	B-cell linker	GO:0005886	plasma membrane
246142	Bmf	Bcl2 modifying factor	GO:0005886	plasma membrane
81507	Bmpr1a	bone morphogenetic protein receptor, type IA	GO:0005886	plasma membrane
298189	Bnc2	basonuclin 2	GO:0005886	plasma membrane
192675	Bsnd,MGC93168	Bartrt syndrome, infantile, with sensorineural deafness (Barttin)	GO:0005886	plasma membrane
84398	C1qRp,C1qr1,Cd93,Ly68	CD93 molecule	GO:0005886	plasma membrane
84007	C3ar1	complement component 3a receptor 1	GO:0005886	plasma membrane
24239	Cacna1c,RATIVS302	calcium channel, voltage-dependent, L type, alpha 1C subunit	GO:0005886	plasma membrane
29717	Cacna1g	calcium channel, voltage-dependent, T type, alpha 1G subunit	GO:0005886	plasma membrane
116600	Cacnb2,Cacnlb2	calcium channel, voltage-dependent, beta 2 subunit	GO:0005886	plasma membrane
58942	Cacnb4	calcium channel, voltage-dependent, beta 4 subunit	GO:0005886	plasma membrane
116506	Calcr	calcitonin receptor	GO:0005886	plasma membrane
64185	Cap1,MGC108691,Mch1	CAP, adenylate cyclase-associated protein 1 (yeast)	GO:0005886	plasma membrane
29154	Capn2	calpain 2	GO:0005886	plasma membrane
25402	Casp3,Lice,MGC93645	caspase 3	GO:0005886	plasma membrane
84008	Caspr,Cntnap1	contactin associated protein 1	GO:0005886	plasma membrane
307505	Catna1,Ctnna1,MGC93767	catenin (cadherin associated protein), alpha 1	GO:0005886	plasma membrane
25404	Cav,Cav1,MGC187299	caveolin 1, caveolae protein	GO:0005886	plasma membrane
288908	Cc2d1a,RGD1306108	coiled-coil and C2 domain containing 1A	GO:0005886	plasma membrane
140473	Ccbp2,D6,MGC105345	chemokine binding protein 2	GO:0005886	plasma membrane
494320	Ccdc8,MGC72567	coiled-coil domain containing 8	GO:0005886	plasma membrane
25706	Cck2r,Cckbr,Cholrec	cholecystokinin B receptor	GO:0005886	plasma membrane
361261	Ccny,RGD1565969	cyclin Y	GO:0005886	plasma membrane
117029	Ccr5,Ckr5,Cmkbr5	chemokine (C-C motif) receptor 5	GO:0005886	plasma membrane
295230	Cct3,MGC72950	chaperonin containing Tcp1, subunit 3 (gamma)	GO:0005886	plasma membrane
24590	CD10,MGC93576,Mme1,Ne	membrane metallo endopeptidase	GO:0005886	plasma membrane
29184	Cd36,Fat1,MGC108510,MG	CD36 molecule (thrombospondin receptor)	GO:0005886	plasma membrane
25073	Cd36l1,SR-B1,Scarb1,Srb1	scavenger receptor class B, member 1	GO:0005886	plasma membrane
25406	CD44A,Cd44,METAA,MGC1	Cd44 molecule	GO:0005886	plasma membrane

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24699	CD45,L-CA,Lca,Ptpcr,RT7,T2l	protein tyrosine phosphatase, receptor type, C	GO:0005886	plasma membrane
29364	Cd47,Itgp,MGC93490	Cd47 molecule	GO:0005886	plasma membrane
24832	CD7,Thy1	Thy-1 cell surface antigen	GO:0005886	plasma membrane
24936	Cd9	CD9 molecule	GO:0005886	plasma membrane
171083	Cda08,Itfg1,MGC93216	integrin alpha FG-GAP repeat containing 1	GO:0005886	plasma membrane
83502	Cdh1	cadherin 1	GO:0005886	plasma membrane
117048	Cdh17	cadherin 17	GO:0005886	plasma membrane
29163	Cdh9	cadherin 9	GO:0005886	plasma membrane
192260	Cdipt,Pis,Pis1	CDP-diacylglycerol--inositol 3-phosphatidyltransferase (phosphatidylinositol synthase)	GO:0005886	plasma membrane
83465	Celsr2,Megf3	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	GO:0005886	plasma membrane
83466	Celsr3,Megf2	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	GO:0005886	plasma membrane
114205	Cgrp-rcp,Crcp	CGRP receptor component	GO:0005886	plasma membrane
79557	Chrna1	cholinergic receptor, nicotinic, alpha 1 (muscle)	GO:0005886	plasma membrane
25102	Chrna5	cholinergic receptor, nicotinic, alpha 5	GO:0005886	plasma membrane
85426	Cht1,Slc5a7	solute carrier family 5 (choline transporter), member 7	GO:0005886	plasma membrane
171447	Cirl-2,Cirl2,Ci2ac,Lphn2	latrophilin 2	GO:0005886	plasma membrane
25314	CL-20,EMP-1,ENP1MR,Emp	epithelial membrane protein 1	GO:0005886	plasma membrane
308016	Clca21,Clca5	chloride channel calcium activated 5	GO:0005886	plasma membrane
84588	Cldn11	claudin 11	GO:0005886	plasma membrane
304073	Cldn14,MGC109472	claudin 14	GO:0005886	plasma membrane
315953	Cldn18	claudin 18	GO:0005886	plasma membrane
290789	Cldn23,MGC124737	claudin 23	GO:0005886	plasma membrane
304407	Cldn4	claudin 4	GO:0005886	plasma membrane
287098	Cldn6	claudin 6	GO:0005886	plasma membrane
65132	Cldn7,MGC124679	claudin 7	GO:0005886	plasma membrane
287099	Cldn9	claudin 9	GO:0005886	plasma membrane
246302	Clp55,Pcyox1	prenylcysteine oxidase 1	GO:0005886	plasma membrane
83800	Clta,LCA1,LCA2,LCA3,MGC1	clathrin, light chain (Lca)	GO:0005886	plasma membrane
116741	Cnr12,MGC93781,Pcdha4	protocadherin alpha 4	GO:0005886	plasma membrane
116742	Cnr5,Pcdha13	protocadherin alpha 13	GO:0005886	plasma membrane
116642	Cnt1,Slc28a1	solute carrier family 28 (sodium-coupled nucleoside transporter), member 1	GO:0005886	plasma membrane
25356	Cntn2,TAG-1,TAG-564,TAG1	contactin 2 (axonal)	GO:0005886	plasma membrane
29393	COL1A1,Col1a1	collagen, type I, alpha 1	GO:0005886	plasma membrane
24267	Comt	catechol-O-methyltransferase	GO:0005886	plasma membrane
171093	CortBP1,ProSAP1,Shank2,Sç	SH3 and multiple ankyrin repeat domains 2	GO:0005886	plasma membrane
293056	Cpeb1	cytoplasmic polyadenylation element binding protein 1	GO:0005886	plasma membrane
501005	Cplx3,RGD1560104	complexin 3	GO:0005886	plasma membrane
314855	Cpm	carboxypeptidase M	GO:0005886	plasma membrane
360602	Crop,Luc7l3,RGD1307981	LUC7-like 3 (<i>S. cerevisiae</i>)	GO:0005886	plasma membrane
300649	Crtam	cytotoxic and regulatory T cell molecule	GO:0005886	plasma membrane
58982	Cspg3,Ncan	neurocan	GO:0005886	plasma membrane
81651	Cspg4,Ng2	chondroitin sulfate proteoglycan 4	GO:0005886	plasma membrane
50563	Cx40,Gja5	gap junction protein, alpha 5	GO:0005886	plasma membrane
24392	Cx43,Gja1,MGC93610	gap junction protein, alpha 1	GO:0005886	plasma membrane
24772	Cxcl12,Sdf1	chemokine (C-X-C motif) ligand 12 (stromal cell-derived factor 1)	GO:0005886	plasma membrane
60628	Cxcr4,MGC108696	chemokine (C-X-C motif) receptor 4	GO:0005886	plasma membrane
394266	CXN-26,Cx26,Gjb2,MGC938	gap junction protein, beta 2	GO:0005886	plasma membrane
500906	Cyth4,Pscd4,RGD1564842	cytohesin 4	GO:0005886	plasma membrane
314212	Daam1	dishevelled associated activator of morphogenesis 1	GO:0005886	plasma membrane
54248	Dagk,Dgkb	diacylglycerol kinase, beta	GO:0005886	plasma membrane
25113	Ddn,Den	dendrin	GO:0005886	plasma membrane
289546	Desc4,RGD1306446	similar to RIKEN cDNA 9930032022 gene	GO:0005886	plasma membrane
81821	Dgkz	diacylglycerol kinase zeta	GO:0005886	plasma membrane
293897	Dkk1	dickkopf homolog 1 (<i>Xenopus laevis</i>)	GO:0005886	plasma membrane
140734	Dlc2,Dynll2,MGC72334	dynein light chain LC8-type 2	GO:0005886	plasma membrane
29495	Dlg4,Dlgh4,PSD95,Sap90	discs, large homolog 4 (<i>Drosophila</i>)	GO:0005886	plasma membrane

25715	Dmt1,Nramp2,Slc11a2	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2	GO:0005886	plasma membrane
64679	Dp11,Tgm4	transglutaminase 4 (prostate)	GO:0005886	plasma membrane
24318	Drd2	dopamine receptor D2	GO:0005886	plasma membrane
79107	Duox2,Thox2	dual oxidase 2	GO:0005886	plasma membrane
316249	E-NPP 5,Enpp5,MGC105517	ectonucleotide pyrophosphatase/phosphodiesterase 5	GO:0005886	plasma membrane
306460	E-NPP 6,Enpp6	ectonucleotide pyrophosphatase/phosphodiesterase 6	GO:0005886	plasma membrane
50719	E16,Slc7a5,TA1	solute carrier family 7 (cationic amino acid transporter, y+ system), member 5	GO:0005886	plasma membrane
29483	EAT1,GLAST,GluT-1,Slc1a3	solute carrier family 1 (glial high affinity glutamate transporter), member 3	GO:0005886	plasma membrane
299864	Ebag9,MGC94627	estrogen receptor binding site associated, antigen, 9	GO:0005886	plasma membrane
314649	Edg6,S1pr4	sphingosine-1-phosphate receptor 4	GO:0005886	plasma membrane
117549	Ednrbl,Gpr37,MGC105347	G protein-coupled receptor 37	GO:0005886	plasma membrane
362923	Efr3a,RGD1305976	EFR3 homolog A (<i>S. cerevisiae</i>)	GO:0005886	plasma membrane
293692	Ehd1,RGD1306960	EH-domain containing 1	GO:0005886	plasma membrane
361251	Elmo1	engulfment and cell motility 1	GO:0005886	plasma membrane
64124	Elt1,Etl	EGF, latrophilin and seven transmembrane domain containing 1	GO:0005886	plasma membrane
24768	ENaC,Scnn1g	sodium channel, nonvoltage-gated 1, gamma	GO:0005886	plasma membrane
24326	ENDOR,Ednra1,Eta,RATENDI	endothelin receptor type A	GO:0005886	plasma membrane
24333	Eno1	enolase 1, (alpha)	GO:0005886	plasma membrane
59326	Epac,MGC124613,Rapgef3	Rap guanine nucleotide exchange factor (GEF) 3	GO:0005886	plasma membrane
313729	Errfi1,RGD1307599,Ralt,Xxx	ERBB receptor feedback inhibitor 1	GO:0005886	plasma membrane
500409	Esrrp1,RGD1560481	epithelial splicing regulatory protein 1	GO:0005886	plasma membrane
54319	Ezr,MGC94076,Vii2	ezrin	GO:0005886	plasma membrane
25439	F2r,MGC93622,Par1,TRGPC	coagulation factor II (thrombin) receptor	GO:0005886	plasma membrane
25584	F31,MGC93621	coagulation factor III (thromboplastin, tissue factor)	GO:0005886	plasma membrane
500221	Fam176a,RGD1559797,Tme	family with sequence similarity 176, member A	GO:0005886	plasma membrane
65048	Fat2,Fath2	FAT tumor suppressor homolog 2 (<i>Drosophila</i>)	GO:0005886	plasma membrane
191571	Fat3	FAT tumor suppressor homolog 3 (<i>Drosophila</i>)	GO:0005886	plasma membrane
295279	FcgammaRI,Fcgr1,Fcgr1a,Fc	Fc fragment of IgG, high affinity Ia, receptor (CD64)	GO:0005886	plasma membrane
84489	Fgfr3	fibroblast growth factor receptor 3	GO:0005886	plasma membrane
360903	Fgfr5,Fgfr1	fibroblast growth factor receptor-like 1	GO:0005886	plasma membrane
79113	Fgr	Gardner-Rasheed feline sarcoma viral (v-fgr) oncogene homolog	GO:0005886	plasma membrane
306204	Flnb	filamin, beta	GO:0005886	plasma membrane
54251	Flt1,VEGFR-1	fms-related tyrosine kinase 1	GO:0005886	plasma membrane
79209	Frk	fyn-related kinase	GO:0005886	plasma membrane
314850	Frs2	fibroblast growth factor receptor substrate 2	GO:0005886	plasma membrane
282581	Fzd6	frizzled homolog 6 (<i>Drosophila</i>)	GO:0005886	plasma membrane
314480	G2a,Gpr132	G protein-coupled receptor 132	GO:0005886	plasma membrane
29705	Gabra1	gamma-aminobutyric acid (GABA) A receptor, alpha 1	GO:0005886	plasma membrane
79212	Gabt1,Slc6a1	solute carrier family 6 (neurotransmitter transporter, GABA), member 1	GO:0005886	plasma membrane
50577	Galnr1,Galr1	galanin receptor 1	GO:0005886	plasma membrane
116564	GC-B,NPR-B,Npr2	natriuretic peptide receptor B/guanylate cyclase B (atrionatriuretic peptide receptor B)	GO:0005886	plasma membrane
24952	GLP-1,Gcg	glucagon	GO:0005886	plasma membrane
29629	GluA4,GluR-D,GluR4,Gria4	glutamate receptor, ionotropic, AMPA 4	GO:0005886	plasma membrane
298521	GluR7,Grik3,gluR-7	glutamate receptor, ionotropic, kainate 3	GO:0005886	plasma membrane
81663	Gna12	guanine nucleotide binding protein (G protein) alpha 12	GO:0005886	plasma membrane
286924	Gnat3,gnat-3	guanine nucleotide binding protein, alpha transducing 3	GO:0005886	plasma membrane
60449	Gnb3,MGC105437	guanine nucleotide binding protein (G protein), beta polypeptide 3	GO:0005886	plasma membrane
64199	Gng11	guanine nucleotide binding protein (G protein), gamma 11	GO:0005886	plasma membrane
25259	Gp5,PLGPV	glycoprotein V (platelet)	GO:0005886	plasma membrane
364837	GPC,Gypc,MGC124900	glycophorin C (Gerbig blood group)	GO:0005886	plasma membrane
171517	Gpc2	glypican 2	GO:0005886	plasma membrane
25033	Gpcrrna,Sstr1	somatostatin receptor 1	GO:0005886	plasma membrane
245977	Gpr116,Gprhpg,Jg-Hepta	G protein-coupled receptor 116	GO:0005886	plasma membrane
192251	Gpr149,leda	G protein-coupled receptor 149	GO:0005886	plasma membrane
313725	Gpr157,MGC109533	G protein-coupled receptor 157	GO:0005886	plasma membrane
286994	Gpr48,Lgr4	leucine-rich repeat-containing G protein-coupled receptor 4	GO:0005886	plasma membrane

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58844	Grb14	growth factor receptor bound protein 14	GO:0005886	plasma membrane
79220	Grid2	glutamate receptor, ionotropic, delta 2	GO:0005886	plasma membrane
24412	Grin2d	glutamate receptor, ionotropic, N-methyl D-aspartate 2D	GO:0005886	plasma membrane
24415	Grm2	glutamate receptor, metabotropic 2	GO:0005886	plasma membrane
24416	Grm3,mGluR3	glutamate receptor, metabotropic 3	GO:0005886	plasma membrane
24417	Grm4	glutamate receptor, metabotropic 4	GO:0005886	plasma membrane
114520	Gs2na,Sg2na,Strn3	striatin, calmodulin binding protein 3	GO:0005886	plasma membrane
25593	Hcrtr1,Hctr1	hypocretin (orexin) receptor 1	GO:0005886	plasma membrane
81816	HR6B,Ube2b	ubiquitin-conjugating enzyme E2B (RAD6 homolog, <i>S. cerevisiae</i>)	GO:0005886	plasma membrane
29581	Htr2b	5-hydroxytryptamine (serotonin) receptor 2B	GO:0005886	plasma membrane
288264	Ifnar1	interferon (alpha, beta and omega) receptor 1	GO:0005886	plasma membrane
360697	Ifngr2	interferon gamma receptor 2	GO:0005886	plasma membrane
25718	IGFIRC,Igf1r,JTK13	insulin-like growth factor 1 receptor	GO:0005886	plasma membrane
303926	Igsf11,MGC94879	immunoglobulin superfamily, member 11	GO:0005886	plasma membrane
304982	Igsf9	immunoglobulin superfamily, member 9	GO:0005886	plasma membrane
25466	IL-1RAcP,Il1racpb,Il1rap,MG	interleukin 1 receptor accessory protein	GO:0005886	plasma membrane
116996	Il16	interleukin 16	GO:0005886	plasma membrane
315461	Il1r1l1,MGC108769,Tmed1	transmembrane emp24 protein transport domain containing 1	GO:0005886	plasma membrane
25704	IL2RAC,Il2ra	interleukin 2 receptor, alpha	GO:0005886	plasma membrane
25084	Il4r,Il4ra	interleukin 4 receptor, alpha	GO:0005886	plasma membrane
65038	Inpp1,Ship2	inositol polyphosphate phosphatase-like 1	GO:0005886	plasma membrane
24954	Insr	insulin receptor	GO:0005886	plasma membrane
361598	Iqgap1	IQ motif containing GTPase activating protein 1	GO:0005886	plasma membrane
362418	Irak2	interleukin-1 receptor-associated kinase 2	GO:0005886	plasma membrane
311144	Itga4	integrin, alpha 4	GO:0005886	plasma membrane
308995	Itgal	integrin, alpha L	GO:0005886	plasma membrane
257645	Itgb5,RGD1563276	integrin, beta 5	GO:0005886	plasma membrane
619374	Jam2	junctional adhesion molecule 2	GO:0005886	plasma membrane
65180	Kcnd2,Kv4.2,RK5,Shal1	potassium voltage-gated channel, Shal-related subfamily, member 2	GO:0005886	plasma membrane
29719	Kcnj16,Kir5.1	potassium inwardly-rectifying channel, subfamily J, member 16	GO:0005886	plasma membrane
29553	Kcnk3,Task-1,rTASK	potassium channel, subfamily K, member 3	GO:0005886	plasma membrane
362303	Klhl7	kelch-like 7 (<i>Drosophila</i>)	GO:0005886	plasma membrane
300228	Lima1,eplin	LIM domain and actin binding 1	GO:0005886	plasma membrane
498222	LOC498222,Sarg	similar to specifically androgen-regulated protein	GO:0005886	plasma membrane
24539	Lpl,MGC93586	lipoprotein lipase	GO:0005886	plasma membrane
29216	Lrp2	low density lipoprotein-related protein 2	GO:0005886	plasma membrane
312781	Lrp6	low density lipoprotein receptor-related protein 6	GO:0005886	plasma membrane
641521	Lrrc4	leucine rich repeat containing 4	GO:0005886	plasma membrane
171143	LTrpC-4,MIs2s,Trpm4	transient receptor potential cation channel, subfamily M, member 4	GO:0005886	plasma membrane
360838	Lypd1,Lypdc1,MGC95169	Ly6/Plaur domain containing 1	GO:0005886	plasma membrane
293186	Lyve1,Xlkd1	lymphatic vessel endothelial hyaluronan receptor 1	GO:0005886	plasma membrane
314180	Mamdc1,Mdga2	MAM domain containing glycosylphosphatidylinositol anchor 2	GO:0005886	plasma membrane
29456	Map1b,Mtap1b	microtubule-associated protein 1B	GO:0005886	plasma membrane
170851	Map2k1,Mek1	mitogen activated protein kinase kinase 1	GO:0005886	plasma membrane
296648	Mapkap1	mitogen-activated protein kinase associated protein 1	GO:0005886	plasma membrane
24547	Mbp,Mbps	myelin basic protein	GO:0005886	plasma membrane
288371	Mcoln1	mucoilin 1	GO:0005886	plasma membrane
25012	MGC105414,SNAP-25B,Snaq	synaptosomal-associated protein 25	GO:0005886	plasma membrane
29219	MGC105443,Snca	synuclein, alpha (non A4 component of amyloid precursor)	GO:0005886	plasma membrane
450224	MGC105782,Omg	oligodendrocyte-myelin glycoprotein	GO:0005886	plasma membrane
311791	MGC108530,Zmynd19,mizif	zinc finger, MYND-type containing 19	GO:0005886	plasma membrane
366518	MGC108903,Tnfrsf14	tumor necrosis factor receptor superfamily, member 14 (herpesvirus entry mediator)	GO:0005886	plasma membrane
294715	MGC109386,R7bp,RGD1309	regulator of G-protein signaling 7 binding protein	GO:0005886	plasma membrane
291713	MGC109463,Rin,Rit11,Rit2	Ras-like without CAAX 2	GO:0005886	plasma membrane
58813	MGC112615,Nt5,Nt5e	5' nucleotidase, ecto	GO:0005886	plasma membrane
363071	MGC114408,RGD1307551,S	stimulated by retinoic acid gene 6	GO:0005886	plasma membrane

312694	MGC114570,Necap1,RGD13	NECAP endocytosis associated 1	GO:0005886	plasma membrane
362595	MGC116206,Oscp1,RGD130	organic solute carrier partner 1	GO:0005886	plasma membrane
289175	MGC124887,Slc19a2	solute carrier family 19 (thiamine transporter), member 2	GO:0005886	plasma membrane
498075	MGC125004,Trat1	T cell receptor associated transmembrane adaptor 1	GO:0005886	plasma membrane
311405	MGC156781,RGD1309744,T	transmembrane protein 127	GO:0005886	plasma membrane
81749	MGC93383,Prkch	protein kinase C, eta	GO:0005886	plasma membrane
24779	MGC93554,Slc4a1	solute carrier family 4 (anion exchanger), member 1	GO:0005886	plasma membrane
303214	MGC93671,Trim16	tripartite motif-containing 16	GO:0005886	plasma membrane
298982	MGC93683,Maea	macrophage erythroblast attacher	GO:0005886	plasma membrane
303882	MGC94214,Tnk2	tyrosine kinase, non-receptor, 2	GO:0005886	plasma membrane
303306	MGC94291,Srr	serine racemase	GO:0005886	plasma membrane
362087	MGC94349,Ubac1,Ubadc1	UBA domain containing 1	GO:0005886	plasma membrane
362211	MGC95101,Mall,RGD131081	mal, T-cell differentiation protein-like	GO:0005886	plasma membrane
300886	MGC95139,Mthfs	5,10-methylenetetrahydrofolate synthetase (5-formyltetrahydrofolate cyclo-ligase)	GO:0005886	plasma membrane
315655	MGC95168,Rdx	radixin	GO:0005886	plasma membrane
81686	Mmp2	matrix metalloproteinase 2	GO:0005886	plasma membrane
25601	MORA,Oprm,Oprm1,Oprmm	opioid receptor, mu 1	GO:0005886	plasma membrane
29365	Mpdz	multiple PDZ domain protein	GO:0005886	plasma membrane
288271	Mrap,RGD1310648	melanocortin 2 receptor accessory protein	GO:0005886	plasma membrane
25482	Mras	muscle RAS oncogene homolog	GO:0005886	plasma membrane
266762	MrgF,Mrgprf	MAS-related GPR, member F	GO:0005886	plasma membrane
192253	Myo16,Myr8	myosin XVI	GO:0005886	plasma membrane
65261	Myo1c2,Myr22	myosin IC	GO:0005886	plasma membrane
64824	Nab1	Ngfi-A binding protein 1	GO:0005886	plasma membrane
29701	NaN,Scn11a	sodium channel, voltage-gated, type XI, alpha	GO:0005886	plasma membrane
140448	Ncx3,Slc8a3	solute carrier family 8 (sodium/calcium exchanger), member 3	GO:0005886	plasma membrane
116690	NF,Nfasc	neurofascin	GO:0005886	plasma membrane
24785	Nhe4,Slc9a4	solute carrier family 9 (sodium/hydrogen exchanger), member 4	GO:0005886	plasma membrane
308668	Nipa1,Sp6	non imprinted in Prader-Willi/Angelman syndrome 1 homolog (human)	GO:0005886	plasma membrane
308667	Nipa2,RGD1306051	non imprinted in Prader-Willi/Angelman syndrome 2 homolog (human)	GO:0005886	plasma membrane
25496	NOTCH,Notch1,TAN1	Notch homolog 1, translocation-associated (Drosophila)	GO:0005886	plasma membrane
497815	Nrcam	neuronal cell adhesion molecule	GO:0005886	plasma membrane
116508	Nrxn3	neurexin 3	GO:0005886	plasma membrane
295382	Ntng1,RGD1563465	netrin G1	GO:0005886	plasma membrane
311836	Ntng2	netrin G2	GO:0005886	plasma membrane
25054	Ntrk2,RATTRKB1,TRKB1,Tkrl	neurotrophic tyrosine kinase, receptor, type 2	GO:0005886	plasma membrane
282712	Ntt73,Slc6a15	solute carrier family 6 (neutral amino acid transporter), member 15	GO:0005886	plasma membrane
304103	Olig2	oligodendrocyte lineage transcription factor 2	GO:0005886	plasma membrane
116597	Opcml	opioid binding protein/cell adhesion molecule-like	GO:0005886	plasma membrane
66026	Otrpc4,Trpv4,Vroac	transient receptor potential cation channel, subfamily V, member 4	GO:0005886	plasma membrane
29659	P2rx4	purinergic receptor P2X, ligand-gated ion channel 4	GO:0005886	plasma membrane
114115	P2X2,P2rx2	purinergic receptor P2X, ligand-gated ion channel, 2	GO:0005886	plasma membrane
25505	P2XMR,P2rx1	purinergic receptor P2X, ligand-gated ion channel, 1	GO:0005886	plasma membrane
25716	P65,Syt1	synaptotagmin I	GO:0005886	plasma membrane
170673	Palm	paralemmin	GO:0005886	plasma membrane
315435	Panx1,px1	Pannexin 1	GO:0005886	plasma membrane
362979	Panx2	pannexin 2	GO:0005886	plasma membrane
362279	Pard6b	par-6 (partitioning defective 6) homolog beta (C. elegans)	GO:0005886	plasma membrane
303903	Parp14,RGD1310490	poly (ADP-ribose) polymerase family, member 14	GO:0005886	plasma membrane
246235	Pat2,Slc36a2,Tramd1	solute carrier family 36 (proton/amino acid symporter), member 2	GO:0005886	plasma membrane
192181	PC,PCLP-1,Podxl,podocalyxi	podocalyxin-like	GO:0005886	plasma membrane
306091	Pcdh9	protocadherin 9	GO:0005886	plasma membrane
393085	Pcdha1,rCNRv01	protocadherin alpha 1	GO:0005886	plasma membrane
393086	Pcdha2,rCNRv02	protocadherin alpha 2	GO:0005886	plasma membrane
393087	Pcdha5,rCNRv05	protocadherin alpha 5	GO:0005886	plasma membrane
393088	Pcdha6,rCNRv06	protocadherin alpha 6	GO:0005886	plasma membrane

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393089	Pcdha7,rCNRv07	protocadherin alpha 7	GO:0005886	plasma membrane
393090	Pcdha9,rCNRv09	protocadherin alpha 9	GO:0005886	plasma membrane
94202	Pcptp1,Ptpr	protein tyrosine phosphatase, receptor type, R	GO:0005886	plasma membrane
24629	Pdgfrb	platelet derived growth factor receptor, beta polypeptide	GO:0005886	plasma membrane
292949	Perp	PERP, TP53 apoptosis effector	GO:0005886	plasma membrane
192259	Phlpp,Plb1	phospholipase B1	GO:0005886	plasma membrane
502782	Pigy,Prey	phosphatidylinositol glycan anchor biosynthesis, class Y	GO:0005886	plasma membrane
116720	Pik3c2g	phosphoinositide-3-kinase, class 2, gamma polypeptide	GO:0005886	plasma membrane
366508	Pik3cd	phosphoinositide-3-kinase, catalytic, delta polypeptide	GO:0005886	plasma membrane
89812	Pip4k2b,Pip5k2b	phosphatidylinositol-5-phosphate 4-kinase, type II, beta	GO:0005886	plasma membrane
25023	Pkcb,Prkcb,Prkcb1	protein kinase C, beta	GO:0005886	plasma membrane
293937	Pkd2l1	polycystic kidney disease 2-like 1	GO:0005886	plasma membrane
25097	Pld2,Pldc	phospholipase D2	GO:0005886	plasma membrane
289392	Plxna2	plexin A2	GO:0005886	plasma membrane
296851	Pon2	paraoxonase 2	GO:0005886	plasma membrane
24672	Pp2a1,Ppp2ca	protein phosphatase 2, catalytic subunit, alpha isoform	GO:0005886	plasma membrane
64369	Ppap2a	phosphatidic acid phosphatase type 2A	GO:0005886	plasma membrane
25738	PPLCA,Plcg1	phospholipase C, gamma 1	GO:0005886	plasma membrane
59312	Prosap2,Shank3	SH3 and multiple ankyrin repeat domains 3	GO:0005886	plasma membrane
117100	Prot,Slc6a7	solute carrier family 6 (neurotransmitter transporter, L-proline), member 7	GO:0005886	plasma membrane
24686	PrP,Prn,Prnp	prion protein	GO:0005886	plasma membrane
287106	Prss30,Tmprss8,tmsp-1	transmembrane protease, serine 8 (intestinal)	GO:0005886	plasma membrane
192107	Prss8	protease, serine, 8	GO:0005886	plasma membrane
63889	Ptgdr1,Ptgdr2,Ptgdr1	prostaglandin D receptor-like	GO:0005886	plasma membrane
499300	Ptprcap	protein tyrosine phosphatase, receptor type, C-associated protein	GO:0005886	plasma membrane
360417	Ptprq,rPTP-GMC1	protein tyrosine phosphatase, receptor type, Q	GO:0005886	plasma membrane
498281	Pvrl4,RGD1559826	poliovirus receptor-related 4	GO:0005886	plasma membrane
360820	Pxn	paxillin	GO:0005886	plasma membrane
171111	Rab26	RAB26, member RAS oncogene family	GO:0005886	plasma membrane
24703	Raf1	v-raf-leukemia viral oncogene 1	GO:0005886	plasma membrane
171099	Rasd2,Rhes	RASD family, member 2	GO:0005886	plasma membrane
29434	Rasgrp,Rasgrp1	RAS guanyl releasing protein 1 (calcium and DAG-regulated)	GO:0005886	plasma membrane
24771	RATRYUDOCA,RYUDOCA,Sdi	syndecan 4	GO:0005886	plasma membrane
24805	RATSYNII,SYNII,Syt2	synaptotagmin II	GO:0005886	plasma membrane
287532	RGD1305819,Slc43a2	solute carrier family 43, member 2	GO:0005886	plasma membrane
361954	RGD1308217,Vep1	ventricular zone expressed PH domain homolog 1 (zebrafish)	GO:0005886	plasma membrane
304547	RGD1310813,Tchp	trichoplein, keratin filament binding	GO:0005886	plasma membrane
65207	Rh50,Rhag	Rh-associated glycoprotein	GO:0005886	plasma membrane
85428	Rhoq,Tc10	ras homolog gene family, member Q	GO:0005886	plasma membrane
306886	Ripk1	receptor (TNFRSF)-interacting serine-threonine kinase 1	GO:0005886	plasma membrane
81574	Scn1a	sodium channel, voltage-gated, type I, alpha	GO:0005886	plasma membrane
25122	Scnn1a	sodium channel, nonvoltage-gated 1 alpha	GO:0005886	plasma membrane
116693	Sec73,Cyth3,MGC124579,Psi	cytohesin 3	GO:0005886	plasma membrane
306790	Sema4d	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain	GO:0005886	plasma membrane
310207	Sema5a	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cytoplasmic domain	GO:0005886	plasma membrane
311384	Sema6d	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6D	GO:0005886	plasma membrane
363103	Slc17a5	solute carrier family 17 (anion/sugar transporter), member 5	GO:0005886	plasma membrane
361986	Slc39a12	solute carrier family 39 (zinc transporter), member 1	GO:0005886	plasma membrane
306009	Slc39a14	solute carrier family 39 (zinc transporter), member 14	GO:0005886	plasma membrane
310392	Slc7a11	solute carrier family 7 (cationic amino acid transporter, y+ system), member 11	GO:0005886	plasma membrane
59114	Slc9a3r1	solute carrier family 9 (sodium/hydrogen exchanger), member 3 regulator 1	GO:0005886	plasma membrane
360272	Slit2	slit homolog 2 (Drosophila)	GO:0005886	plasma membrane
94338	Smpd3,cca1	sphingomyelin phosphodiesterase 3, neutral membrane	GO:0005886	plasma membrane
54305	Smstr2,Sstr2	somatostatin receptor 2	GO:0005886	plasma membrane
64630	Snap23	synaptosomal-associated protein 23	GO:0005886	plasma membrane
498351	Srp722	signal recognition particle 72	GO:0005886	plasma membrane

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25556	St22,FIT1,Fit-1,Il1rl1	interleukin 1 receptor-like 1	GO:0005886	plasma membrane
312052	Steap2	six transmembrane epithelial antigen of the prostate 2	GO:0005886	plasma membrane
499991	Steap4	STEAP family member 4	GO:0005886	plasma membrane
361618	Stim1	stromal interaction molecule 1	GO:0005886	plasma membrane
117087	Stim2	stromal interaction molecule 2	GO:0005886	plasma membrane
116470	Stx1a	syntaxin 1A (brain)	GO:0005886	plasma membrane
84018	Synj2	synaptojanin 2	GO:0005886	plasma membrane
89804	Tek,Tie-2,Tie2	TEK tyrosine kinase, endothelial	GO:0005886	plasma membrane
500040	Tes2	testis derived transcript	GO:0005886	plasma membrane
288562	Tfr2,Trfr2	transferrin receptor 2	GO:0005886	plasma membrane
56083	Tgasell,Tgm2	transglutaminase 2, C polypeptide	GO:0005886	plasma membrane
83580	Thbd	thrombomodulin	GO:0005886	plasma membrane
292994	Tjp1,ZO-1	tight junction protein 1	GO:0005886	plasma membrane
29260	Tlr4	toll-like receptor 4	GO:0005886	plasma membrane
245966	Tm6p1,Tmem150,Tmem150	transmembrane protein 150A	GO:0005886	plasma membrane
313067	Tmem67,Wpk	transmembrane protein 67	GO:0005886	plasma membrane
311245	Traf6	Tnf receptor-associated factor 6	GO:0005886	plasma membrane
25570	Trhr	thyrotropin releasing hormone receptor	GO:0005886	plasma membrane
304315	Ttyh3	tweety homolog 3 (Drosophila)	GO:0005886	plasma membrane
362049	Unc5c	unc-5 homolog C (C. elegans)	GO:0005886	plasma membrane
25600	Utrn	utrophin	GO:0005886	plasma membrane
297439	V1ra12,Vn3,Vnr3,Vom1r100	vomer nasal 1 receptor 100	GO:0005886	plasma membrane
266771	V1ra16,Vom1r90	vomer nasal 1 receptor 90	GO:0005886	plasma membrane
58857	Vapa	VAMP (vesicle-associated membrane protein)-associated protein A	GO:0005886	plasma membrane
296603	Vav2	vav 2 guanine nucleotide exchange factor	GO:0005886	plasma membrane
305679	Vcl	vinculin	GO:0005886	plasma membrane
83529	Vdac1	voltage-dependent anion channel 1	GO:0005886	plasma membrane
81818	Vim	vimentin	GO:0005886	plasma membrane
286981	Vom2r32	vomer nasal 2 receptor, 32	GO:0005886	plasma membrane
286986	Vom2r75	vomer nasal 2 receptor, 75	GO:0005886	plasma membrane
301086	Xcr1	chemokine (C motif) receptor 1	GO:0005886	plasma membrane
114856	3CH134,CL100,Dusp1,MKP-	dual specificity phosphatase 1	GO:0045768	positive regulation of anti-apoptosis
25404	Cav,Cav1,MGC187299	caveolin 1, caveolae protein	GO:0045768	positive regulation of anti-apoptosis
24482	Igf1	insulin-like growth factor 1	GO:0045768	positive regulation of anti-apoptosis
25718	IGFIRC,Igf1r,JTK13	insulin-like growth factor 1 receptor	GO:0045768	positive regulation of anti-apoptosis
24499	IL6R1,Il6r,Il6ra	interleukin 6 receptor	GO:0045768	positive regulation of anti-apoptosis
24498	ILg6,fnb2,Il6	interleukin 6	GO:0045768	positive regulation of anti-apoptosis
299858	Lrp1	low density lipoprotein-related protein 1 (alpha-2-macroglobulin receptor)	GO:0045768	positive regulation of anti-apoptosis
25671	Madh1,Smad1	SMAD family member 1	GO:0045768	positive regulation of anti-apoptosis
24629	Pdgfrb	platelet derived growth factor receptor, beta polypeptide	GO:0045768	positive regulation of anti-apoptosis
361749	Il33,RGD1311155	interleukin 33	GO:0090197	positive regulation of chemokine secretion
25084	Il4r,Il4ra	interleukin 4 receptor, alpha	GO:0090197	positive regulation of chemokine secretion
25556	St22,FIT1,Fit-1,Il1rl1	interleukin 1 receptor-like 1	GO:0090197	positive regulation of chemokine secretion
29184	Cd36,Fat1,MGC108510,MGC	CD36 molecule (thrombospondin receptor)	GO:0010886	positive regulation of cholesterol storage
25073	Cd36i1,SR-B1,Scarb1,Srb1	scavenger receptor class B, member 1	GO:0010886	positive regulation of cholesterol storage
293692	Ehd1,RGD1306960	EH-domain containing 1	GO:0010886	positive regulation of cholesterol storage
24539	Lpl,MGC93586	lipoprotein lipase	GO:0010886	positive regulation of cholesterol storage
65218	Agap2,Centg1,Pike	ArfGAP with GTPase domain, ankyrin repeat and PH domain 3	GO:0033601	positive regulation of mammary gland epithelial cell proliferation
58919	Ccnd1	cyclin D1	GO:0033601	positive regulation of mammary gland epithelial cell proliferation
497991	Med1,RGD1559552	mediator complex subunit 1	GO:0033601	positive regulation of mammary gland epithelial cell proliferation
171075	CD23,Fcer2,Fcer2a,MGC932	Fc fragment of IgE, low affinity II, receptor for (CD23)	GO:0051000	positive regulation of nitric-oxide synthase activity
25073	Cd36i1,SR-B1,Scarb1,Srb1	scavenger receptor class B, member 1	GO:0051000	positive regulation of nitric-oxide synthase activity
29581	Htr2b	5-hydroxytryptamine (serotonin) receptor 2B	GO:0051000	positive regulation of nitric-oxide synthase activity
25584	F31,MGC93621	coagulation factor III (thromboplastin, tissue factor)	GO:0051897	positive regulation of protein kinase B signaling cascade
56718	Frap1,Mtor,RAFT1	mechanistic target of rapamycin (serine/threonine kinase)	GO:0051897	positive regulation of protein kinase B signaling cascade
24482	Igf1	insulin-like growth factor 1	GO:0051897	positive regulation of protein kinase B signaling cascade

24483	IGFII,Igf2,RNIGF2	insulin-like growth factor 2	GO:0051897	positive regulation of protein kinase B signaling cascade
25718	IGFIRC,Igf1r,JTK13	insulin-like growth factor 1 receptor	GO:0051897	positive regulation of protein kinase B signaling cascade
24954	Insr	insulin receptor	GO:0051897	positive regulation of protein kinase B signaling cascade
171099	Rasd2,Rhes	RASD family, member 2	GO:0051897	positive regulation of protein kinase B signaling cascade
679869	Tcf7l2	transcription factor 7-like 2 (T-cell specific, HMG-box)	GO:0051897	positive regulation of protein kinase B signaling cascade
89804	Tek,Tie-2,Tie2	TEK tyrosine kinase, endothelial	GO:0051897	positive regulation of protein kinase B signaling cascade
24318	Drd2	dopamine receptor D2	GO:0002092	positive regulation of receptor internalization
298296	NARC-1,Narc1,PC9,Pcsk9	proprotein convertase subtilisin/kexin type 9	GO:0002092	positive regulation of receptor internalization
314717	RGD1305665,Scyl2	SCY1-like 2 (<i>S. cerevisiae</i>)	GO:0002092	positive regulation of receptor internalization
89803	Sfrp4	secreted frizzled-related protein 4	GO:0002092	positive regulation of receptor internalization
81639	12-LOX,Alox121,Alox12l,Alo	arachidonate 15-lipoxygenase	GO:0019870	potassium channel inhibitor activity
116477	Hsn2,Prkwnk1,Wnk1	WNK lysine deficient protein kinase 1	GO:0019870	potassium channel inhibitor activity
171552	Pprf18,Prpf18	PRP18 pre-mRNA processing factor 18 homolog (<i>S. cerevisiae</i>)	GO:0019870	potassium channel inhibitor activity
24224	Bcl-2,Bcl2	B-cell CLL/lymphoma 2	05215	Prostate cancer
58919	Ccnd1	cyclin D1	05215	Prostate cancer
362485	Ccne2	cyclin E2	05215	Prostate cancer
362817	Cdk2	cyclin dependent kinase 2	05215	Prostate cancer
314638	Creb3l3,MGC109013	cAMP responsive element binding protein 3-like 3	05215	Prostate cancer
399489	E2f1	E2F transcription factor 1	05215	Prostate cancer
56718	Frap1,Mtor,RAFT1	mechanistic target of rapamycin (serine/threonine kinase)	05215	Prostate cancer
81504	Grb2,MGC108668	growth factor receptor bound protein 2	05215	Prostate cancer
362862	Grp94,Hsp90b1,Tra1	heat shock protein 90kDa beta (Grp94), member 1	05215	Prostate cancer
24482	Igf1	insulin-like growth factor 1	05215	Prostate cancer
25718	IGFIRC,Igf1r,JTK13	insulin-like growth factor 1 receptor	05215	Prostate cancer
170851	Map2k1,Mek1	mitogen activated protein kinase kinase 1	05215	Prostate cancer
170911	MGC116320,Pik3ca	phosphoinositide-3-kinase, catalytic, alpha polypeptide	05215	Prostate cancer
305999	MGC124859,Nkx3-1	NK3 homeobox 1	05215	Prostate cancer
50557	MMAC1,Mmac,Pten,TEP1	phosphatase and tensin homolog	05215	Prostate cancer
309165	NFkB,Rela	v-rel reticuloendotheliosis viral oncogene homolog A (avian)	05215	Prostate cancer
24629	Pdgfrb	platelet derived growth factor receptor, beta polypeptide	05215	Prostate cancer
366508	Pik3cd	phosphoinositide-3-kinase, catalytic, delta polypeptide	05215	Prostate cancer
24703	Raf1	v-raf-leukemia viral oncogene 1	05215	Prostate cancer
24708	Rb1	retinoblastoma 1	05215	Prostate cancer
54244	RTS2,CBP,Crebbp,RSTS	CREB binding protein	05215	Prostate cancer
85384	Sos11,Sos2	son of sevenless homolog 2 (<i>Drosophila</i>)	05215	Prostate cancer
312451	Tcf32	transcription factor 3	05215	Prostate cancer
679869	Tcf7l2	transcription factor 7-like 2 (T-cell specific, HMG-box)	05215	Prostate cancer
314850	Frs2	fibroblast growth factor receptor substrate 2	GO:0060527	prostate epithelial cord arborization involved in prostate glandular acinus morphogenesis
303480	Hoxb13	homeo box B13	GO:0060527	prostate epithelial cord arborization involved in prostate glandular acinus morphogenesis
288154	Hoxd13	homeo box D13	GO:0060527	prostate epithelial cord arborization involved in prostate glandular acinus morphogenesis
24482	Igf1	insulin-like growth factor 1	GO:0060527	prostate epithelial cord arborization involved in prostate glandular acinus morphogenesis
24482	Igf1	insulin-like growth factor 1	GO:0060740	prostate gland epithelium morphogenesis
25718	IGFIRC,Igf1r,JTK13	insulin-like growth factor 1 receptor	GO:0060740	prostate gland epithelium morphogenesis
81686	Mmp2	matrix metalloproteinase 2	GO:0060740	prostate gland epithelium morphogenesis
25496	NOTCH,Notch1,TAN1	Notch homolog 1, translocation-associated (<i>Drosophila</i>)	GO:0060740	prostate gland epithelium morphogenesis
685072	Rarg	retinoic acid receptor, gamma	GO:0060740	prostate gland epithelium morphogenesis
311562	Apha2bp,Necab3	N-terminal EF-hand calcium binding protein 3	GO:0019538	protein metabolic process
690038	Bag2,MGC187837	Bcl2-associated athanogene 2	GO:0019538	protein metabolic process
83502	Cdh1	cadherin 1	GO:0019538	protein metabolic process
24952	GLP-1,Gcg	glucagon	GO:0019538	protein metabolic process
293705	Otub1	OTU domain, ubiquitin aldehyde binding 1	GO:0019538	protein metabolic process
79237	Hex,Hhex	hematopoietically expressed homeobox	GO:0032993	protein-DNA complex
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
64025	2B4,Cd244,Nmrk	Cd244 molecule, natural killer cell receptor 2B4	GO:0004872	receptor activity
79246	5-HT3,5-HT3A,5HT3,Htr3,Ht	5-hydroxytryptamine (serotonin) receptor 3a	GO:0004872	receptor activity

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25560	Abcc9,Sur2	ATP-binding cassette, subfamily C (CFTR/MRP), member 9	GO:0004872	receptor activity
81645	Acm2,Chrm2	cholinergic receptor, muscarinic 2	GO:0004872	receptor activity
245921	Acvr1c,Alk-7,Alk7,habrec1	activin A receptor, type IC	GO:0004872	receptor activity
24174	Adra2b	adrenergic, alpha-2B-, receptor	GO:0004872	receptor activity
499264	Apob48r,RGD1565169	apolipoprotein B48 receptor	GO:0004872	receptor activity
80897	Appils,Arts1,Erap1,MGC112	endoplasmic reticulum aminopeptidase 1	GO:0004872	receptor activity
29657	Arntl	aryl hydrocarbon receptor nuclear translocator-like	GO:0004872	receptor activity
25648	Atrc1,CAT1,Cat-1,Slc7a1	solute carrier family 7 (cationic amino acid transporter, y+ system), member 1	GO:0004872	receptor activity
83526	Atrn	attractin	GO:0004872	receptor activity
81507	Bmpr1a	bone morphogenetic protein receptor, type IA	GO:0004872	receptor activity
84398	C1qRp,C1qr1,Cd93,Ly68	CD93 molecule	GO:0004872	receptor activity
84007	C3ar1	complement component 3a receptor 1	GO:0004872	receptor activity
140473	Ccbp2,D6,MGC105345	chemokine binding protein 2	GO:0004872	receptor activity
25706	Cck2r,Cckbr,Cholrec	cholecystokinin B receptor	GO:0004872	receptor activity
117029	Ccr5,Ckr5,Cmkbr5	chemokine (C-C motif) receptor 5	GO:0004872	receptor activity
29184	Cd36,Fat1,MGC108510,MGC108511	CD36 molecule (thrombospondin receptor)	GO:0004872	receptor activity
25073	Cd36l1,SR-B1,Scarb1,Srb1	scavenger receptor class B, member 1	GO:0004872	receptor activity
25406	CD44A,Cd44,METAA,MGC108510	CD44 molecule	GO:0004872	receptor activity
79557	Chrna1	cholinergic receptor, nicotinic, alpha 1 (muscle)	GO:0004872	receptor activity
25102	Chrna5	cholinergic receptor, nicotinic, alpha 5	GO:0004872	receptor activity
116742	Cnr5,Pcdha13	protocadherin alpha 13	GO:0004872	receptor activity
60628	Cxcr4,MGC108696	chemokine (C-X-C motif) receptor 4	GO:0004872	receptor activity
24318	Drd2	dopamine receptor D2	GO:0004872	receptor activity
314649	Edg6,S1pr4	sphingosine-1-phosphate receptor 4	GO:0004872	receptor activity
117549	Ednrb1,Gpr37,MGC105347	G protein-coupled receptor 37	GO:0004872	receptor activity
313270	Egfl5,Megf9	multiple EGF-like-domains 9	GO:0004872	receptor activity
24326	ENDOR,Ednra1,Eta,RATENDI	endothelin receptor type A	GO:0004872	receptor activity
287989	Ephb3	Eph receptor B3	GO:0004872	receptor activity
25439	F2r,MGC93622,Par1,TRGPC	coagulation factor II (thrombin) receptor	GO:0004872	receptor activity
295279	FcgammaRI,Fcgr1,Fcgr1a,Fcgr2	Fc fragment of IgG, high affinity Ia, receptor (CD64)	GO:0004872	receptor activity
84489	Fgfr3	fibroblast growth factor receptor 3	GO:0004872	receptor activity
360903	Fgfr5,Fgfr1	fibroblast growth factor receptor-like 1	GO:0004872	receptor activity
54251	Flt1,VEGFR-1	fms-related tyrosine kinase 1	GO:0004872	receptor activity
314850	Frs2	fibroblast growth factor receptor substrate 2	GO:0004872	receptor activity
361388	Gab1	GRB2-associated binding protein 1	GO:0004872	receptor activity
29705	Gabra1	gamma-aminobutyric acid (GABA) A receptor, alpha 1	GO:0004872	receptor activity
50577	Galnr1,Galr1	galanin receptor 1	GO:0004872	receptor activity
116564	GC-B,NPR-B,Npr2	natriuretic peptide receptor B/guanylate cyclase B (atrionatriuretic peptide receptor B)	GO:0004872	receptor activity
140595	Gir,Gpr83	G protein-coupled receptor 83	GO:0004872	receptor activity
304546	Git2,MGC94099	G protein-coupled receptor kinase interacting ArfGAP 2	GO:0004872	receptor activity
29629	GluA4,GluR-D,GluR4,Gria4	glutamate receptor, ionotropic, AMPA 4	GO:0004872	receptor activity
298521	GluR7,Grik3,gluR-7	glutamate receptor, ionotropic, kainate 3	GO:0004872	receptor activity
64154	Gosr2	golgi SNAP receptor complex member 2	GO:0004872	receptor activity
25033	Gpcrrna,Sstr1	somatostatin receptor 1	GO:0004872	receptor activity
311857	Gpr107	G protein-coupled receptor 107	GO:0004872	receptor activity
192251	Gpr149,leda	G protein-coupled receptor 149	GO:0004872	receptor activity
311730	Gpr155	G protein-coupled receptor 155	GO:0004872	receptor activity
688737	Gpr171	G protein-coupled receptor 171	GO:0004872	receptor activity
311911	Gpr211,Rabgap1	RAB GTPase activating protein 1	GO:0004872	receptor activity
301372	Gpr45	G protein-coupled receptor 45	GO:0004872	receptor activity
286994	Gpr48,Lgr4	leucine-rich repeat-containing G protein-coupled receptor 4	GO:0004872	receptor activity
299802	Gpr49,Lgr5	leucine rich repeat containing G protein coupled receptor 5	GO:0004872	receptor activity
498434	Gpr75,RGD1566385	G protein-coupled receptor 75	GO:0004872	receptor activity
24413	GR,Gcr,Grl,Nr3c1	nuclear receptor subfamily 3, group C, member 1	GO:0004872	receptor activity
79220	Grid2	glutamate receptor, ionotropic, delta 2	GO:0004872	receptor activity
24412	Grin2d	glutamate receptor, ionotropic, N-methyl D-aspartate 2D	GO:0004872	receptor activity

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24415	Grm2	glutamate receptor, metabotropic 2	GO:0004872	receptor activity
24416	Grm3,mGluR3	glutamate receptor, metabotropic 3	GO:0004872	receptor activity
24417	Grm4	glutamate receptor, metabotropic 4	GO:0004872	receptor activity
25593	Hcrtr1,Hctr1	hypocretin (orexin) receptor 1	GO:0004872	receptor activity
29581	Htr2b	5-hydroxytryptamine (serotonin) receptor 2B	GO:0004872	receptor activity
288264	Ifnar1	interferon (alpha, beta and omega) receptor 1	GO:0004872	receptor activity
360697	Ifngr2	interferon gamma receptor 2	GO:0004872	receptor activity
25151	Igf2r	insulin-like growth factor 2 receptor	GO:0004872	receptor activity
25718	IGFIRC,Igf1r,JTK13	insulin-like growth factor 1 receptor	GO:0004872	receptor activity
303926	Igsf11,MGC94879	immunoglobulin superfamily, member 11	GO:0004872	receptor activity
25466	IL-1RAcp,Il1racpb,Il1rap,MG	interleukin 1 receptor accessory protein	GO:0004872	receptor activity
315461	Il1rl1,MGC108769,Tmed1	transmembrane emp24 protein transport domain containing 1	GO:0004872	receptor activity
25704	IL2RAC,Il2ra	interleukin 2 receptor, alpha	GO:0004872	receptor activity
25084	Il4r,Il4ra	interleukin 4 receptor, alpha	GO:0004872	receptor activity
24499	IL6R1,Il6r,Il6ra	interleukin 6 receptor	GO:0004872	receptor activity
294797	Il7r	interleukin 7 receptor	GO:0004872	receptor activity
24500	Il9r	interleukin 9 receptor	GO:0004872	receptor activity
66014	Impg1,Mlgapc	interphotoreceptor matrix proteoglycan 1	GO:0004872	receptor activity
24954	Insr	insulin receptor	GO:0004872	receptor activity
311144	Itga4	integrin, alpha 4	GO:0004872	receptor activity
257645	Itgb5,RGD1563276	integrin, beta 5	GO:0004872	receptor activity
498222	LOC498222,Sarg	similar to specifically androgen-regulated protein	GO:0004872	receptor activity
305880	Lrp10,MGC124814	low-density lipoprotein receptor-related protein 10	GO:0004872	receptor activity
29216	Lrp2	low density lipoprotein-related protein 2	GO:0004872	receptor activity
312781	Lrp6	low density lipoprotein receptor-related protein 6	GO:0004872	receptor activity
494204	Ly49i4	Ly49 inhibitory receptor 4	GO:0004872	receptor activity
312689	M6pr,MGC94300	mannose-6-phosphate receptor, cation dependent	GO:0004872	receptor activity
303439	Maf2,MGC94095,Mmd	monocyte to macrophage differentiation-associated	GO:0004872	receptor activity
25672	MCR,Mlr,Nr3c2	nuclear receptor subfamily 3, group C, member 2	GO:0004872	receptor activity
497991	Med1,RGD1559552	mediator complex subunit 1	GO:0004872	receptor activity
303403	Med13,Thrap1	mediator complex subunit 13	GO:0004872	receptor activity
619436	Med24,Thrap4	mediator complex subunit 24	GO:0004872	receptor activity
306030	Med4,Vdrip	mediator complex subunit 4	GO:0004872	receptor activity
366518	MGC108903,Tnfrsf14	tumor necrosis factor receptor superfamily, member 14 (herpesvirus entry mediator)	GO:0004872	receptor activity
363071	MGC114408,RGD1307551,S	stimulated by retinoic acid gene 6	GO:0004872	receptor activity
498075	MGC125004,Trat1	T cell receptor associated transmembrane adaptor 1	GO:0004872	receptor activity
296787	MGC189535,Sema3c	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C	GO:0004872	receptor activity
619385	MGC72479,Ncoa4	nuclear receptor coactivator 4	GO:0004872	receptor activity
25341	MGC93568,Opg,Tnfrsf11b	tumor necrosis factor receptor superfamily, member 11b	GO:0004872	receptor activity
29591	MGC93659,Tgfr1	transforming growth factor, beta receptor 1	GO:0004872	receptor activity
361940	MGC93874,Pgrmc2	progesterone receptor membrane component 2	GO:0004872	receptor activity
25601	MORA,Oprm,Oprm1,Oprm	opioid receptor, mu 1	GO:0004872	receptor activity
266762	MrgF,Mrgprf	MAS-related GPR, member F	GO:0004872	receptor activity
296372	Ncoa5	nuclear receptor coactivator 5	GO:0004872	receptor activity
360801	Ncor2	nuclear receptor co-repressor 2	GO:0004872	receptor activity
25496	NOTCH,Notch1,TAN1	Notch homolog 1, translocation-associated (Drosophila)	GO:0004872	receptor activity
304157	Nrip1,RIP140	nuclear receptor interacting protein 1	GO:0004872	receptor activity
292537	Oscar,RGD1559897	osteoclast associated, immunoglobulin-like receptor	GO:0004872	receptor activity
29659	P2rx4	purinergic receptor P2X, ligand-gated ion channel 4	GO:0004872	receptor activity
25041	P2rx6,P2rx1,P2x6,Rnap2x6	purinergic receptor P2X, ligand-gated ion channel, 6	GO:0004872	receptor activity
114115	P2X2,P2rx2	purinergic receptor P2X, ligand-gated ion channel, 2	GO:0004872	receptor activity
25505	P2XMR,P2rx1	purinergic receptor P2X, ligand-gated ion channel, 1	GO:0004872	receptor activity
393085	Pcdha1,rCNRv01	protocadherin alpha 1	GO:0004872	receptor activity
393086	Pcdha2,rCNRv02	protocadherin alpha 2	GO:0004872	receptor activity
393087	Pcdha5,rCNRv05	protocadherin alpha 5	GO:0004872	receptor activity
393088	Pcdha6,rCNRv06	protocadherin alpha 6	GO:0004872	receptor activity

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393089	Pcdha7,rCNRv07	protocadherin alpha 7	GO:0004872	receptor activity
393090	Pcdha9,rCNRv09	protocadherin alpha 9	GO:0004872	receptor activity
94202	Pcptp1,Ptpr	protein tyrosine phosphatase, receptor type, R	GO:0004872	receptor activity
24629	Pdgfrb	platelet derived growth factor receptor, beta polypeptide	GO:0004872	receptor activity
289392	Plexna2	plexin A2	GO:0004872	receptor activity
25747	PPAR,Ppara	peroxisome proliferator activated receptor alpha	GO:0004872	receptor activity
63889	Ptgdr1,Ptgdr2,Ptgdr1	prostaglandin D receptor-like	GO:0004872	receptor activity
246116	Ptpn4	protein tyrosine phosphatase, non-receptor type 4	GO:0004872	receptor activity
499300	Ptprcap	protein tyrosine phosphatase, receptor type, C-associated protein	GO:0004872	receptor activity
360417	Ptprq,rPTP-GMC1	protein tyrosine phosphatase, receptor type, Q	GO:0004872	receptor activity
362384	RGD1305230,Reep1	receptor accessory protein 1	GO:0004872	receptor activity
363013	RGD1305625,Tmem123	transmembrane protein 123	GO:0004872	receptor activity
365755	RGD1560053,Tbl1xr1	transducin (beta)-like 1 X-linked receptor 1	GO:0004872	receptor activity
300950	RGD1562307,Spsb4	splA/ryanodine receptor domain and SOCS box containing 4	GO:0004872	receptor activity
301346	RGD1562837,Sema4c	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain	GO:0004872	receptor activity
364786	RGD1564327	similar to integrin alpha 8	GO:0004872	receptor activity
306886	Ripk1	receptor (TNFRSF)-interacting serine-threonine kinase 1	GO:0004872	receptor activity
306790	Sema4d	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain	GO:0004872	receptor activity
310207	Sema5a	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) and short cytoplasmic domain	GO:0004872	receptor activity
311384	Sema6d	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6D	GO:0004872	receptor activity
54305	Smstr2,Sstr2	somatostatin receptor 2	GO:0004872	receptor activity
294043	Sorcs3	sortilin-related VPS10 domain containing receptor 3	GO:0004872	receptor activity
252891	Sra1	steroid receptor RNA activator 1	GO:0004872	receptor activity
361233	Ssr1	signal sequence receptor, alpha	GO:0004872	receptor activity
117556	Sv2b	synaptic vesicle glycoprotein 2b	GO:0004872	receptor activity
89804	Tek,Tie-2,Tie2	TEK tyrosine kinase, endothelial	GO:0004872	receptor activity
288562	Tfr2,Tfr2	transferrin receptor 2	GO:0004872	receptor activity
29260	Tlr4	toll-like receptor 4	GO:0004872	receptor activity
25570	Trhr	thyrotropin releasing hormone receptor	GO:0004872	receptor activity
362049	Unc5c	unc-5 homolog C (C. elegans)	GO:0004872	receptor activity
297439	V1ra12,Vn3,Vnr3,Vom1r100	vomeronasal 1 receptor 100	GO:0004872	receptor activity
266771	V1ra16,Vom1r90	vomeronasal 1 receptor 90	GO:0004872	receptor activity
286981	Vom2r32	vomeronasal 2 receptor, 32	GO:0004872	receptor activity
286986	Vom2r75	vomeronasal 2 receptor, 75	GO:0004872	receptor activity
314879	Xpot	exportin, tRNA (nuclear export receptor for tRNAs)	GO:0004872	receptor activity
54251	Flt1,VEGFR-1	fms-related tyrosine kinase 1	GO:0004716	receptor signaling protein tyrosine kinase activity
24954	Insr	insulin receptor	GO:0004716	receptor signaling protein tyrosine kinase activity
25155	Syk,p72syk	spleen tyrosine kinase	GO:0004716	receptor signaling protein tyrosine kinase activity
89804	Tek,Tie-2,Tie2	TEK tyrosine kinase, endothelial	GO:0004716	receptor signaling protein tyrosine kinase activity
286928	Abi2	abl-interactor 2	04810	Regulation of actin cytoskeleton
81645	Acm2,Chrm2	cholinergic receptor, muscarinic 2	04810	Regulation of actin cytoskeleton
63836	Actn4	actinin alpha 4	04810	Regulation of actin cytoskeleton
301511	Arpc2	actin related protein 2/3 complex, subunit 2	04810	Regulation of actin cytoskeleton
297518	Arpc4	actin related protein 2/3 complex, subunit 4	04810	Regulation of actin cytoskeleton
360854	Arpc5,MGC116419	actin related protein 2/3 complex, subunit 5	04810	Regulation of actin cytoskeleton
54319	Ezr,MGC94076,Vil2	ezrin	04810	Regulation of actin cytoskeleton
25439	F2r,MGC93622,Par1,TRGPC	coagulation factor II (thrombin) receptor	04810	Regulation of actin cytoskeleton
25614	FAK,FRNK,Ptk2	PTK2 protein tyrosine kinase 2	04810	Regulation of actin cytoskeleton
361223	Fgd3	FYVE, RhoGEF and PH domain containing 3	04810	Regulation of actin cytoskeleton
84489	Fgfr3	fibroblast growth factor receptor 3	04810	Regulation of actin cytoskeleton
81663	Gna12	guanine nucleotide binding protein (G protein) alpha 12	04810	Regulation of actin cytoskeleton
361598	Iggap1	IQ motif containing GTPase activating protein 1	04810	Regulation of actin cytoskeleton
311144	Itga4	integrin, alpha 4	04810	Regulation of actin cytoskeleton
308995	Itgal	integrin, alpha L	04810	Regulation of actin cytoskeleton
257645	Itgb5,RGD1563276	integrin, beta 5	04810	Regulation of actin cytoskeleton
29524	Limk2,Limk2b,Link2	LIM domain kinase 2	04810	Regulation of actin cytoskeleton

679934	LOC679934	similar to chromosome 3 open reading frame 10	04810	Regulation of actin cytoskeleton
170851	Map2k1,Mek1	mitogen activated protein kinase kinase 1	04810	Regulation of actin cytoskeleton
170911	MGC116320,Pik3ca	phosphoinositide-3-kinase, catalytic, alpha polypeptide	04810	Regulation of actin cytoskeleton
297173	MGC94489,RSA-14-44	RSA-14-44 protein	04810	Regulation of actin cytoskeleton
315655	MGC95168,Rdx	radixin	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
311450	Pak7	p21 protein (Cdc42/Rac)-activated kinase 7	04810	Regulation of actin cytoskeleton
24629	Pdgfrb	platelet derived growth factor receptor, beta polypeptide	04810	Regulation of actin cytoskeleton
81531	Pfn2	profilin 2	04810	Regulation of actin cytoskeleton
366508	Pik3cd	phosphoinositide-3-kinase, catalytic, delta polypeptide	04810	Regulation of actin cytoskeleton
116723	Pip4k2a,Pip5k2a	phosphatidylinositol-5-phosphate 4-kinase, type II, alpha	04810	Regulation of actin cytoskeleton
89812	Pip4k2b,Pip5k2b	phosphatidylinositol-5-phosphate 4-kinase, type II, beta	04810	Regulation of actin cytoskeleton
365865	Pip5k1a2,Pip5k1b2	phosphatidylinositol-4-phosphate 5-kinase, type 1, alpha	04810	Regulation of actin cytoskeleton
360820	Pxn	paxillin	04810	Regulation of actin cytoskeleton
24703	Raf1	v-raf-leukemia viral oncogene 1	04810	Regulation of actin cytoskeleton
501203	RGD1309537,Rlc-a	similar to Myosin regulatory light chain 2-A, smooth muscle isoform (Myosin RLC-A)	04810	Regulation of actin cytoskeleton
364786	RGD1564327	similar to integrin alpha 8	04810	Regulation of actin cytoskeleton
361568	Rras	Harvey rat sarcoma virus oncogene, subgroup R	04810	Regulation of actin cytoskeleton
85384	Sos11,Sos2	son of sevenless homolog 2 (Drosophila)	04810	Regulation of actin cytoskeleton
296603	Vav2	vav 2 guanine nucleotide exchange factor	04810	Regulation of actin cytoskeleton
305679	Vcl	vinculin	04810	Regulation of actin cytoskeleton
306257	Bap1	BRCA1 associated protein-1 (ubiquitin carboxy-terminal hydrolase)	GO:0051726	regulation of cell cycle
24224	Bcl-2,Bcl2	B-cell CLL/lymphoma 2	GO:0051726	regulation of cell cycle
300050	Bop1,MGC109114	block of proliferation 1	GO:0051726	regulation of cell cycle
58919	Ccnd1	cyclin D1	GO:0051726	regulation of cell cycle
362485	Ccne2	cyclin E2	GO:0051726	regulation of cell cycle
29157	Ccng2	cyclin G2	GO:0051726	regulation of cell cycle
24699	CD45,L-CA,Lca,Ptprc,RT7,T2	protein tyrosine phosphatase, receptor type, C	GO:0051726	regulation of cell cycle
94201	Cdk4	cyclin-dependent kinase 4	GO:0051726	regulation of cell cycle
25112	Ddit1,Gadd45,Gadd45a	growth arrest and DNA-damage-inducible, alpha	GO:0051726	regulation of cell cycle
399489	E2f1	E2F transcription factor 1	GO:0051726	regulation of cell cycle
291005	Gadd45g	growth arrest and DNA-damage-inducible, gamma	GO:0051726	regulation of cell cycle
50557	MMAC1,Mmac,Pten,TEP1	phosphatase and tensin homolog	GO:0051726	regulation of cell cycle
287521	Mnt	max binding protein	GO:0051726	regulation of cell cycle
64709	Nucks,Nucks1	nuclear casein kinase and cyclin-dependent kinase substrate 1	GO:0051726	regulation of cell cycle
24708	Rb1	retinoblastoma 1	GO:0051726	regulation of cell cycle
81758	Rb2,Rbl2	retinoblastoma-like 2	GO:0051726	regulation of cell cycle
294790	RGD1562456,Skp2	S-phase kinase-associated protein 2 (p45)	GO:0051726	regulation of cell cycle
29517	Sgk,Sgk1	serum/glucocorticoid regulated kinase 1	GO:0051726	regulation of cell cycle
117553	Uba3,Ube1c	ubiquitin-like modifier activating enzyme 3	GO:0051726	regulation of cell cycle
114514	Clasp2	cytoplasmic linker associated protein 2	GO:0031110	regulation of microtubule polymerization or depolymerization
287598	Fam33a,MGC109093,RGD1	spindle and kinetochore associated complex subunit 2	GO:0031110	regulation of microtubule polymerization or depolymerization
291441	RGD1310784,Ska1	spindle and kinetochore associated complex subunit 1	GO:0031110	regulation of microtubule polymerization or depolymerization
25393	ALPBRE,Bcan	brevican	GO:0048168	regulation of neuronal synaptic plasticity
79431	Bhlhb2,Bhlhe40,Dec1,SHAR	basic helix-loop-helix family, member e40	GO:0048168	regulation of neuronal synaptic plasticity
25356	Cntn2,TAG-1,TAG-564,TAG1	contactin 2 (axonal)	GO:0048168	regulation of neuronal synaptic plasticity
293056	Cpeb1	cytoplasmic polyadenylation element binding protein 1	GO:0048168	regulation of neuronal synaptic plasticity
114090	Egr2,Krox20	early growth response 2	GO:0048168	regulation of neuronal synaptic plasticity
171387	Hzfw1,Lirf,Rnf39	ring finger protein 39	GO:0048168	regulation of neuronal synaptic plasticity
29219	MGC105443,Snca	synuclein, alpha (non A4 component of amyloid precursor)	GO:0048168	regulation of neuronal synaptic plasticity
29461	Vgf	VEGF nerve growth factor inducible	GO:0048168	regulation of neuronal synaptic plasticity
24318	Drd2	dopamine receptor D2	GO:0043666	regulation of phosphoprotein phosphatase activity
266766	Dscr1,Mcip1,Rcan1	regulator of calcineurin 1	GO:0043666	regulation of phosphoprotein phosphatase activity
362862	Grp94,Hsp90b1,Tra1	heat shock protein 90kDa beta (Grp94), member 1	GO:0043666	regulation of phosphoprotein phosphatase activity
192361	IPP-2,MGC105260,Ppp1r2	protein phosphatase 1, regulatory (inhibitor) subunit 2	GO:0043666	regulation of phosphoprotein phosphatase activity

81645	Acm2,Chrm2	cholinergic receptor, muscarinic 2	GO:0006940	regulation of smooth muscle contraction
24212	Atp1a2,RATATPA2	ATPase, Na ⁺ /K ⁺ transporting, alpha 2 polypeptide	GO:0006940	regulation of smooth muscle contraction
25404	Cav,Cav1,MGC187299	caveolin 1, caveolae protein	GO:0006940	regulation of smooth muscle contraction
54251	Flt1,VEGFR-1	fms-related tyrosine kinase 1	GO:0006940	regulation of smooth muscle contraction
25505	P2XMR,P2rx1	purinergic receptor P2X, ligand-gated ion channel, 1	GO:0006940	regulation of smooth muscle contraction
24224	Bcl-2,Bcl2	B-cell CLL/lymphoma 2	GO:0045069	regulation of viral genome replication
25518	CYCA,MGC72881,Ppia	peptidylprolyl isomerase A (cyclophilin A)	GO:0045069	regulation of viral genome replication
287765	Ddx5	DEAD (Asp-Glu-Ala-Asp) box polypeptide 5	GO:0045069	regulation of viral genome replication
50662	Aml1,Cbfa2,Runx1	runt-related transcription factor 1	GO:0070491	repressing transcription factor binding
25336	CBF-B,CBFB,MGC108654,Nf	nuclear transcription factor-Y beta	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
117526	MGC93994,TFIID,Tbp	TATA box binding protein	GO:0070491	repressing transcription factor binding
309165	NFKB,Rela	v-rel reticuloendotheliosis viral oncogene homolog A (avian)	GO:0070491	repressing transcription factor binding
362817	Cdk2	cyclin dependent kinase 2	GO:0046686	response to cadmium ion
64001	Cyb5,Cyb5a,MGC108694	cytochrome b5 type A (microsomal)	GO:0046686	response to cadmium ion
25715	Dmt1,Nramp2,Slc11a2	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2	GO:0046686	response to cadmium ion
25458	Gss	glutathione synthetase	GO:0046686	response to cadmium ion
56823	Haao	3-hydroxyanthranilate 3,4-dioxygenase	GO:0046686	response to cadmium ion
29632	Hsd3b11,Hsd3b6,MGC1092	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 6	GO:0046686	response to cadmium ion
50658	Mapk9,SAPK	mitogen-activated protein kinase 9	GO:0046686	response to cadmium ion
362591	Mtf1	metal-regulatory transcription factor 1	GO:0046686	response to cadmium ion
25737	PCNAR,Pcna,Pcna/cyclin	proliferating cell nuclear antigen	GO:0046686	response to cadmium ion
24686	PrP,Prn,Prnp	prion protein	GO:0046686	response to cadmium ion
24791	Sparc	secreted protein, acidic, cysteine-rich (osteonectin)	GO:0046686	response to cadmium ion
114856	3CH134,CL100,Dusp1,MKP-	dual specificity phosphatase 1	GO:0051591	response to cAMP
25375	AHDC,Ahd-c,Aldh,Aldh3,Ald	aldehyde dehydrogenase 3 family, member A1	GO:0051591	response to cAMP
24224	Bcl-2,Bcl2	B-cell CLL/lymphoma 2	GO:0051591	response to cAMP
363026	Carm1,Prmt4	coactivator-associated arginine methyltransferase 1	GO:0051591	response to cAMP
362817	Cdk2	cyclin dependent kinase 2	GO:0051591	response to cAMP
29393	COL1A1,Col1a1	collagen, type I, alpha 1	GO:0051591	response to cAMP
79107	Duox2,Thox2	dual oxidase 2	GO:0051591	response to cAMP
314322	Fos,c-fos	FBJ osteosarcoma oncogene	GO:0051591	response to cAMP
58921	Foxm1	forkhead box M1	GO:0051591	response to cAMP
29542	HCNP,Pbp,Pebp1,Rkip	phosphatidylethanolamine binding protein 1	GO:0051591	response to cAMP
25216	HSPG1,SYNDECA,Sdc1,Synd	syndecan 1	GO:0051591	response to cAMP
24499	IL6R1,IL6r,IL6ra	interleukin 6 receptor	GO:0051591	response to cAMP
309165	NFKB,Rela	v-rel reticuloendotheliosis viral oncogene homolog A (avian)	GO:0051591	response to cAMP
25692	PATISS,Plat,tPA	plasminogen activator, tissue	GO:0051591	response to cAMP
291567	PGC1beta,Perc,Ppargc1b	peroxisome proliferator-activated receptor gamma, coactivator 1 beta	GO:0051591	response to cAMP
24791	Sparc	secreted protein, acidic, cysteine-rich (osteonectin)	GO:0051591	response to cAMP
89804	Tek,Tie-2,Tie2	TEK tyrosine kinase, endothelial	GO:0051591	response to cAMP
83580	Thbd	thrombomodulin	GO:0051591	response to cAMP
29461	Vgf	VEGF nerve growth factor inducible	GO:0051591	response to cAMP
289560	Igfbp7	insulin-like growth factor binding protein 7	GO:0051414	response to cortisol stimulus
83467	Megf5,Slit3	slit homolog 3 (Drosophila)	GO:0051414	response to cortisol stimulus
360272	Slit2	slit homolog 2 (Drosophila)	GO:0051414	response to cortisol stimulus
89805	Agpt2,Ang-2,Angpt2	angiopoietin 2	GO:0009612	response to mechanical stimulus
25404	Cav,Cav1,MGC187299	caveolin 1, caveolae protein	GO:0009612	response to mechanical stimulus
29184	Cd36,Fat1,MGC108510,MG	CD36 molecule (thrombospondin receptor)	GO:0009612	response to mechanical stimulus
29393	COL1A1,Col1a1	collagen, type I, alpha 1	GO:0009612	response to mechanical stimulus
64529	Ctsb	cathepsin B	GO:0009612	response to mechanical stimulus
24772	Cxcl12,Sdf1	chemokine (C-X-C motif) ligand 12 (stromal cell-derived factor 1)	GO:0009612	response to mechanical stimulus
29139	Dcn,MGC94682	decorin	GO:0009612	response to mechanical stimulus
266766	Dscr1,Mcip1,Rcan1	regulator of calcineurin 1	GO:0009612	response to mechanical stimulus
24356	Ets-11,Ets1,Etsonc, MGC12	v-ets erythroblastosis virus E26 oncogene homolog 1 (avian)	GO:0009612	response to mechanical stimulus

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25584	F31,MGC93621	coagulation factor III (thromboplastin, tissue factor)	GO:0009612	response to mechanical stimulus
25614	FAK,FRNK,Ptk2	PTK2 protein tyrosine kinase 2	GO:0009612	response to mechanical stimulus
314322	Fos,c-fos	FBJ osteosarcoma oncogene	GO:0009612	response to mechanical stimulus
24482	Igf1	insulin-like growth factor 1	GO:0009612	response to mechanical stimulus
24498	ILg6,fnb2,Il6	interleukin 6	GO:0009612	response to mechanical stimulus
29456	Map1b,Mtap1b	microtubule-associated protein 1B	GO:0009612	response to mechanical stimulus
50658	Mapk9,SAPK	mitogen-activated protein kinase 9	GO:0009612	response to mechanical stimulus
311311	Meis2	Meis homeobox 2	GO:0009612	response to mechanical stimulus
117514	MGC94673,Txnip,Vdup1	thioredoxin interacting protein	GO:0009612	response to mechanical stimulus
25333	Mglap,Mgp	matrix Gla protein	GO:0009612	response to mechanical stimulus
81686	Mmp2	matrix metalloproteinase 2	GO:0009612	response to mechanical stimulus
81687	Mmp9	matrix metalloproteinase 9	GO:0009612	response to mechanical stimulus
309165	NFkB,Rela	v-rel reticuloendotheliosis viral oncogene homolog A (avian)	GO:0009612	response to mechanical stimulus
24718	Reelin,Reln,Rl,reeler	reelin	GO:0009612	response to mechanical stimulus
24189	Aldo1,Aldoa,RNALDOG5	aldolase A, fructose-bisphosphate	GO:0035094	response to nicotine
24224	Bcl-2,Bcl2	B-cell CLL/lymphoma 2	GO:0035094	response to nicotine
25402	Casp3,Lice,MGC93645	caspase 3	GO:0035094	response to nicotine
25102	Chrna5	cholinergic receptor, nicotinic, alpha 5	GO:0035094	response to nicotine
24318	Drd2	dopamine receptor D2	GO:0035094	response to nicotine
24323	Edn1,Et1	endothelin 1	GO:0035094	response to nicotine
286924	Gnat3,gnat-3	guanine nucleotide binding protein, alpha transducing 3	GO:0035094	response to nicotine
24483	IGFII,Igf2,RNIGF2	insulin-like growth factor 2	GO:0035094	response to nicotine
81686	Mmp2	matrix metalloproteinase 2	GO:0035094	response to nicotine
81687	Mmp9	matrix metalloproteinase 9	GO:0035094	response to nicotine
310392	Slc7a11	solute carrier family 7 (cationic amino acid transporter, y+ system), member 11	GO:0035094	response to nicotine
290567	Chat	choline acetyltransferase	GO:0043179	rhythmic excitation
24323	Edn1,Et1	endothelin 1	GO:0043179	rhythmic excitation
78956	Nav1.7,PN1,Scn2a1,Scn9a	sodium channel, voltage-gated, type IX, alpha	GO:0043179	rhythmic excitation
306347	Ell	elongation factor RNA polymerase II	GO:0016944	RNA polymerase II transcription elongation factor activity
296102	Ell3	elongation factor RNA polymerase II-like 3	GO:0016944	RNA polymerase II transcription elongation factor activity
140934	Ikbkap	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase complex-associated protein	GO:0016944	RNA polymerase II transcription elongation factor activity
29575	Tcea2	transcription elongation factor A (SII), 2	GO:0016944	RNA polymerase II transcription elongation factor activity
497991	Med1,RGD1559552	mediator complex subunit 1	GO:0016455	RNA polymerase II transcription mediator activity
303403	Med13,Thrap1	mediator complex subunit 13	GO:0016455	RNA polymerase II transcription mediator activity
360743	Med15,Pcqap	mediator complex subunit 15	GO:0016455	RNA polymerase II transcription mediator activity
311165	Med19,RGD1311926	mediator complex subunit 19	GO:0016455	RNA polymerase II transcription mediator activity
499762	Med22,RGD1564893,Surf5	mediator complex subunit 22	GO:0016455	RNA polymerase II transcription mediator activity
619436	Med24,Thrap4	mediator complex subunit 24	GO:0016455	RNA polymerase II transcription mediator activity
306328	Med26,Slc35e11	mediator complex subunit 26	GO:0016455	RNA polymerase II transcription mediator activity
306030	Med4,Vdrip	mediator complex subunit 4	GO:0016455	RNA polymerase II transcription mediator activity
299180	Med6	mediator complex subunit 6	GO:0016455	RNA polymerase II transcription mediator activity
291567	PGC1beta,Perc,Ppargc1b	peroxisome proliferator-activated receptor gamma, coactivator 1 beta	GO:0016455	RNA polymerase II transcription mediator activity
114090	Egr2,Krox20	early growth response 2	GO:0014037	Schwann cell differentiation
64824	Nab1	Ngfi-A binding protein 1	GO:0014037	Schwann cell differentiation
314910	Nab2	Ngfi-A binding protein 2	GO:0014037	Schwann cell differentiation
307845	Abba-1,Mtss1,RGD1309731	metastasis suppressor 1-like	GO:0017124	SH3 domain binding
286928	Abi2	abl-interactor 2	GO:0017124	SH3 domain binding
57025	Adam15,MDC15,tMDCVI	a disintegrin and metalloproteinase domain 15 (metargidin)	GO:0017124	SH3 domain binding
57027	Adam17,TACE	ADAM metalloproteinase domain 17	GO:0017124	SH3 domain binding
290834	Adam9,MDC9	ADAM metalloproteinase domain 9 (meltrin gamma)	GO:0017124	SH3 domain binding
84008	Caspr,Cntnap1	contactin associated protein 1	GO:0017124	SH3 domain binding
171093	CortBP1,ProSAP1,Shank2,Sf	SH3 and multiple ankyrin repeat domains 2	GO:0017124	SH3 domain binding
259242	Cr16,Wipf3	WAS/WASL interacting protein family, member 3	GO:0017124	SH3 domain binding
24392	Cx43,Gja1,MGC93610	gap junction protein, alpha 1	GO:0017124	SH3 domain binding
311913	Denn1a,RGD1307927	DENN/MADD domain containing 1A	GO:0017124	SH3 domain binding
361251	Elmo1	engulfment and cell motility 1	GO:0017124	SH3 domain binding

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79115	Evl	Enah/Vasp-like	GO:0017124	SH3 domain binding
65038	Inpp1,Ship2	inositol polyphosphate phosphatase-like 1	GO:0017124	SH3 domain binding
117268	Khdrbs1,P62,Sam68	KH domain containing, RNA binding, signal transduction associated 1	GO:0017124	SH3 domain binding
29216	Lrp2	low density lipoprotein-related protein 2	GO:0017124	SH3 domain binding
311848	MGC105723,Sh3gIb2	SH3-domain GRB2-like endophilin B2	GO:0017124	SH3 domain binding
362918	Mtss1	metastasis suppressor 1	GO:0017124	SH3 domain binding
360549	Pls32,Plscr3	phospholipid scramblase 3	GO:0017124	SH3 domain binding
59312	Prosap2,Shank3	SH3 and multiple ankyrin repeat domains 3	GO:0017124	SH3 domain binding
300067	Sh3bp1	SH3-domain binding protein 1	GO:0017124	SH3 domain binding
305450	Sh3bp2	SH3-domain binding protein 2	GO:0017124	SH3 domain binding
84018	Synj2	synaptojanin 2	GO:0017124	SH3 domain binding
308846	Uvrag	UV radiation resistance associated gene	GO:0017124	SH3 domain binding
499356	Blnk,MGC112831	B-cell linker	GO:0005070	SH3/SH2 adaptor activity
498416	Grb10,RGD1566234	growth factor receptor bound protein 10	GO:0005070	SH3/SH2 adaptor activity
58844	Grb14	growth factor receptor bound protein 14	GO:0005070	SH3/SH2 adaptor activity
81504	Grb2,MGC108668	growth factor receptor bound protein 2	GO:0005070	SH3/SH2 adaptor activity
117268	Khdrbs1,P62,Sam68	KH domain containing, RNA binding, signal transduction associated 1	GO:0005070	SH3/SH2 adaptor activity
305269	MGC109040,RGD1311584,S	signal transducing adaptor family member 1	GO:0005070	SH3/SH2 adaptor activity
310688	Sh2d2a	SH2 domain protein 2A	GO:0005070	SH3/SH2 adaptor activity
81654	Dlat	dihydroliipoamide S-acetyltransferase	GO:0030431	sleep
314322	Fos,c-fos	FBJ osteosarcoma oncogene	GO:0030431	sleep
25012	MGC105414,SNAP-25B,Sna	synaptosomal-associated protein 25	GO:0030431	sleep
63889	Ptgdr1,Ptgdr2,Ptgdr1	prostaglandin D receptor-like	GO:0030431	sleep
170567	Ata1,GlnT,Sat11,Slc38a1	solute carrier family 38, member 1	GO:0006814	sodium ion transport
29642	Ata2,Atrc2,Sat21,Slc38a2,Sn	solute carrier family 38, member 2	GO:0006814	sodium ion transport
24211	Atp1a1,Nkaa1b	ATPase, Na+/K+ transporting, alpha 1 polypeptide	GO:0006814	sodium ion transport
24212	Atp1a2,RATATPA2	ATPase, Na+/K+ transporting, alpha 2 polypeptide	GO:0006814	sodium ion transport
24213	Atp1a3,Atpa1a3	ATPase, Na+/K+ transporting, alpha 3 polypeptide	GO:0006814	sodium ion transport
25390	Atp1b3,NKAB3S	ATPase, Na+/K+ transporting, beta 3 polypeptide	GO:0006814	sodium ion transport
24214	ATPB2,ATPB2S,Amog,Atp1b	ATPase, Na+/K+ transporting, beta 2 polypeptide	GO:0006814	sodium ion transport
116638	BNPI,Slc17a7,Vglut1	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 7	GO:0006814	sodium ion transport
83629	Bsc2,Nkcc1,Slc12a2	solute carrier family 12 (sodium/potassium/chloride transporters), member 2	GO:0006814	sodium ion transport
85426	Cht1,Slc5a7	solute carrier family 5 (choline transporter), member 7	GO:0006814	sodium ion transport
29726	CT1,OCTN2,Slc22a5,UST2r	solute carrier family 22 (organic cation/carnitine transporter), member 5	GO:0006814	sodium ion transport
24768	ENaC,Scnn1g	sodium channel, nonvoltage-gated 1, gamma	GO:0006814	sodium ion transport
64155	Na-G,Scn6a,Scn7a	sodium channel, voltage-gated, type VII, alpha	GO:0006814	sodium ion transport
29701	NaN,Scn11a	sodium channel, voltage-gated, type XI, alpha	GO:0006814	sodium ion transport
78956	Nav1.7,PN1,Scn2a1,Scn9a	sodium channel, voltage-gated, type IX, alpha	GO:0006814	sodium ion transport
84550	Nckx2,Slc24a2	solute carrier family 24 (sodium/potassium/calcium exchanger), member 2	GO:0006814	sodium ion transport
85267	Nckx3,Slc24a3	solute carrier family 24 (sodium/potassium/calcium exchanger), member 3	GO:0006814	sodium ion transport
140448	Ncx3,Slc8a3	solute carrier family 8 (sodium/calcium exchanger), member 3	GO:0006814	sodium ion transport
24783	Nhe2,Slc9a2	solute carrier family 9 (sodium/hydrogen exchanger), member 2	GO:0006814	sodium ion transport
24785	Nhe4,Slc9a4	solute carrier family 9 (sodium/hydrogen exchanger), member 4	GO:0006814	sodium ion transport
287106	Prss30,Tmprss8,tmsp-1	transmembrane protease, serine 8 (intestinal)	GO:0006814	sodium ion transport
81574	Scn1a	sodium channel, voltage-gated, type I, alpha	GO:0006814	sodium ion transport
25122	Scnn1a	sodium channel, nonvoltage-gated 1 alpha	GO:0006814	sodium ion transport
266767	Slc17a8,Vglut3	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 8	GO:0006814	sodium ion transport
311651	Slc9a8	solute carrier family 9 (sodium/hydrogen exchanger), member 8	GO:0006814	sodium ion transport
286970	Abca5	ATP-binding cassette, subfamily A (ABC1), member 5	GO:0015918	sterol transport
114628	Abcg5	ATP-binding cassette, subfamily G (WHITE), member 5	GO:0015918	sterol transport
155192	Abcg8	ATP-binding cassette, subfamily G (WHITE), member 8	GO:0015918	sterol transport
59317	4.1N,Epb4.111,Epb4111	erythrocyte membrane protein band 4.1-like 1	GO:0005198	structural molecule activity
25230	Add3	adducin 3 (gamma)	GO:0005198	structural molecule activity
307505	Catna1,Ctnna1,MGC93767	catenin (cadherin associated protein), alpha 1	GO:0005198	structural molecule activity
297357	Catna2,Ctnna2	catenin (cadherin associated protein), alpha 2	GO:0005198	structural molecule activity
298019	Catnal1,Ctnnal1	catenin (cadherin associated protein), alpha-like 1	GO:0005198	structural molecule activity

25404	Cav,Cav1,MGC187299	caveolin 1, caveolae protein	GO:0005198	structural molecule activity
84588	Cldn11	claudin 11	GO:0005198	structural molecule activity
304073	Cldn14,MGC109472	claudin 14	GO:0005198	structural molecule activity
315953	Cldn18	claudin 18	GO:0005198	structural molecule activity
290789	Cldn23,MGC124737	claudin 23	GO:0005198	structural molecule activity
304407	Cldn4	claudin 4	GO:0005198	structural molecule activity
287098	Cldn6	claudin 6	GO:0005198	structural molecule activity
65132	Cldn7,MGC124679	claudin 7	GO:0005198	structural molecule activity
287099	Cldn9	claudin 9	GO:0005198	structural molecule activity
83800	Clta,LCA1,LCA2,LCA3,MGC1	clathrin, light chain (Lca)	GO:0005198	structural molecule activity
116561	Cltb	clathrin, light chain (Lcb)	GO:0005198	structural molecule activity
314981	Col14a1	collagen, type XIV, alpha 1	GO:0005198	structural molecule activity
54319	Ezr,MGC94076,Vil2	ezrin	GO:0005198	structural molecule activity
24503	Ina,Inexa,Intlaa,Nf66	internexin neuronal intermediate filament protein, alpha	GO:0005198	structural molecule activity
317161	Mospd4	motile sperm domain containing 4	GO:0005198	structural molecule activity
292918	Otog	otogelin	GO:0005198	structural molecule activity
366990	RGD1305207	similar to RIKEN cDNA 1700011A15	GO:0005198	structural molecule activity
292406	TSP-2,Thbs2	thrombospondin 2	GO:0005198	structural molecule activity
58857	Vapa	VAMP (vesicle-associated membrane protein)-associated protein A	GO:0005198	structural molecule activity
305679	Vcl	vinculin	GO:0005198	structural molecule activity
81818	Vim	vimentin	GO:0005198	structural molecule activity
79246	5-HT3,5-HT3A,5HT3,Htr3,Ht	5-hydroxytryptamine (serotonin) receptor 3a	GO:0007268	synaptic transmission
81645	Acm2,Chrm2	cholinergic receptor, muscarinic 2	GO:0007268	synaptic transmission
116654	ALR2,Exoc4,Sec8,Sec8L1	exocyst complex component 4	GO:0007268	synaptic transmission
140670	Ap2b1	adaptor-related protein complex 2, beta 1 subunit	GO:0007268	synaptic transmission
116638	BNPI,Slc17a7,Vglut1	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 7	GO:0007268	synaptic transmission
24239	Cacna1c,RATIVS302	calcium channel, voltage-dependent, L type, alpha 1C subunit	GO:0007268	synaptic transmission
29717	Cacna1g	calcium channel, voltage-dependent, T type, alpha 1G subunit	GO:0007268	synaptic transmission
116600	Cacnb2,Cacn1b2	calcium channel, voltage-dependent, beta 2 subunit	GO:0007268	synaptic transmission
290567	Chat	choline acetyltransferase	GO:0007268	synaptic transmission
79130	Csp,Dnajc5	DnaJ (Hsp40) homolog, subfamily C, member 5	GO:0007268	synaptic transmission
24398	Gls,Glut,RATGLUT	glutaminase	GO:0007268	synaptic transmission
29629	GluA4,GluR-D,GluR4,Gria4	glutamate receptor, ionotropic, AMPA 4	GO:0007268	synaptic transmission
298521	GluR7,Grik3,gluR-7	glutamate receptor, ionotropic, kainate 3	GO:0007268	synaptic transmission
25033	Gpcrrna,Sstr1	somatostatin receptor 1	GO:0007268	synaptic transmission
24415	Grm2	glutamate receptor, metabotropic 2	GO:0007268	synaptic transmission
24417	Grm4	glutamate receptor, metabotropic 4	GO:0007268	synaptic transmission
83572	LIS1,Pafah1b1	platelet-activating factor acetylhydrolase, isoform 1b, subunit 1	GO:0007268	synaptic transmission
312781	Lrp6	low density lipoprotein receptor-related protein 6	GO:0007268	synaptic transmission
116595	Nrxn2	neurexin 2	GO:0007268	synaptic transmission
116508	Nrxn3	neurexin 3	GO:0007268	synaptic transmission
114115	P2X2,P2rx2	purinergic receptor P2X, ligand-gated ion channel, 2	GO:0007268	synaptic transmission
54305	Smstr2,Sstr2	somatostatin receptor 2	GO:0007268	synaptic transmission
116470	Stx1a	syntaxin 1A (brain)	GO:0007268	synaptic transmission
24923	Stx1b,Stx1b2,Stx21	syntaxin 1B	GO:0007268	synaptic transmission
83529	Vdac1	voltage-dependent anion channel 1	GO:0007268	synaptic transmission
116638	BNPI,Slc17a7,Vglut1	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 7	GO:0030672	synaptic vesicle membrane
24318	Drd2	dopamine receptor D2	GO:0030672	synaptic vesicle membrane
295217	MGC112927,Snapp,Snapi	SNAP-associated protein	GO:0030672	synaptic vesicle membrane
25716	P65,Syt1	synaptotagmin I	GO:0030672	synaptic vesicle membrane
24805	RATSYNII,SYNII,Syt2	synaptotagmin II	GO:0030672	synaptic vesicle membrane
301346	RGD1562837,Sema4c	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic domain	GO:0030672	synaptic vesicle membrane
266767	Slc17a8,Vglut3	solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 8	GO:0030672	synaptic vesicle membrane
366568	Slc30a3,ZnT3	solute carrier family 30 (zinc transporter), member 3	GO:0030672	synaptic vesicle membrane
116470	Stx1a	syntaxin 1A (brain)	GO:0030672	synaptic vesicle membrane
117556	Sv2b	synaptic vesicle glycoprotein 2b	GO:0030672	synaptic vesicle membrane

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25624	Syb1,Vamp1	vesicle-associated membrane protein 1	GO:0030672	synaptic vesicle membrane
66030	Synpr	synaptoporin	GO:0030672	synaptic vesicle membrane
64440	Syt4	synaptotagmin IV	GO:0030672	synaptic vesicle membrane
24224	Bcl-2,Bcl2	B-cell CLL/lymphoma 2	GO:0030217	T cell differentiation
24699	CD45,L-CA,Lca,Ptprc,RT7,T2l	protein tyrosine phosphatase, receptor type, C	GO:0030217	T cell differentiation
25033	Gpcrrna,Sstr1	somatostatin receptor 1	GO:0030217	T cell differentiation
294797	Il7r	interleukin 7 receptor	GO:0030217	T cell differentiation
54260	Itpkb	inositol 1,4,5-trisphosphate 3-kinase B	GO:0030217	T cell differentiation
363251	Nhej1	nonhomologous end-joining factor 1	GO:0030217	T cell differentiation
295953	Rag2	recombination activating gene 2	GO:0030217	T cell differentiation
245921	Acvr1c,Alk-7,Alk7,habrec1	activin A receptor, type IC	04350	TGF-beta signaling pathway
29263	Acvr2,Acvr2a,rActR-II	activin A receptor, type IIA	04350	TGF-beta signaling pathway
85272	BMP-7,Bmp7	bone morphogenetic protein 7	04350	TGF-beta signaling pathway
315824	Bmp5	bone morphogenetic protein 5	04350	TGF-beta signaling pathway
81507	Bmpr1a	bone morphogenetic protein receptor, type IA	04350	TGF-beta signaling pathway
29139	Dcn,MGC94682	decorin	04350	TGF-beta signaling pathway
64549	Inhbc,MGC108687	inhibin beta C	04350	TGF-beta signaling pathway
25671	Madh1,Smad1	SMAD family member 1	04350	TGF-beta signaling pathway
361178	MGC112830	similar to transcription factor	04350	TGF-beta signaling pathway
29591	MGC93659,Tgfr1	transforming growth factor, beta receptor 1	04350	TGF-beta signaling pathway
297173	MGC94489,RSA-14-44	RSA-14-44 protein	04350	TGF-beta signaling pathway
25495	Nog	noggin	04350	TGF-beta signaling pathway
24672	Pp2a1,Ppp2ca	protein phosphatase 2, catalytic subunit, alpha isoform	04350	TGF-beta signaling pathway
81758	Rb2,Rbl2	retinoblastoma-like 2	04350	TGF-beta signaling pathway
690516	RGD1309707,Smurf1	similar to RIKEN cDNA 4930431E10	04350	TGF-beta signaling pathway
303614	RGD1310067,Smurf2	SMAD specific E3 ubiquitin protein ligase 2	04350	TGF-beta signaling pathway
499508	RGD1564784,Zfyve16	zinc finger, FYVE domain containing 16	04350	TGF-beta signaling pathway
54244	RTS2,CBP,Crebbp,RSTS	CREB binding protein	04350	TGF-beta signaling pathway
24790	Sp1	Sp1 transcription factor	04350	TGF-beta signaling pathway
292406	TSP-2,Thbs2	thrombospondin 2	04350	TGF-beta signaling pathway
313477	Zfyve9	zinc finger, FYVE domain containing 9	04350	TGF-beta signaling pathway
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
305889	MGC94155,Thtpa	thiamine triphosphatase	GO:0042723	thiamine-containing compound metabolic process
29184	Cd36,Fat1,MGC108510,MG	CD36 molecule (thrombospondin receptor)	GO:0070053	thrombospondin receptor activity
29364	Cd47,ltgp,MGC93490	Cd47 molecule	GO:0070053	thrombospondin receptor activity
24771	RATRYUDOCA,RYUDOCA,Sd	syndecan 4	GO:0070053	thrombospondin receptor activity
58919	Ccnd1	cyclin D1	05216	Thyroid cancer
83502	Cdh1	cadherin 1	05216	Thyroid cancer
170851	Map2k1,Mek1	mitogen activated protein kinase kinase 1	05216	Thyroid cancer
83574	MGC109416,Rxrg	retinoid X receptor gamma	05216	Thyroid cancer
619385	MGC72479,Ncoa4	nuclear receptor coactivator 4	05216	Thyroid cancer
81819	MGC93376,Pax8	paired box 8	05216	Thyroid cancer
312451	Tcf32	transcription factor 3	05216	Thyroid cancer
679869	Tcf7l2	transcription factor 7-like 2 (T-cell specific, HMG-box)	05216	Thyroid cancer
117557	TM30nm,Tpm3,Tpm5	tropomyosin 3, gamma	05216	Thyroid cancer
59317	4.1N,Epb4.1l1,Epb4l1l	erythrocyte membrane protein band 4.1-like 1	04530	Tight junction
63836	Actn4	actinin alpha 4	04530	Tight junction
26955	Af6,Mllt4	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 4	04530	Tight junction
116654	ALR2,Exoc4,Sec8,Sec8l1	exocyst complex component 4	04530	Tight junction
307505	Catna1,Ctnna1,MGC93767	catenin (cadherin associated protein), alpha 1	04530	Tight junction
297357	Catna2,Ctnna2	catenin (cadherin associated protein), alpha 2	04530	Tight junction
94201	Cdk4	cyclin-dependent kinase 4	04530	Tight junction
84588	Cldn11	claudin 11	04530	Tight junction
304073	Cldn14,MGC109472	claudin 14	04530	Tight junction
315953	Cldn18	claudin 18	04530	Tight junction

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290789	Cldn23,MGC124737	claudin 23	04530	Tight junction
304407	Cldn4	claudin 4	04530	Tight junction
287098	Cldn6	claudin 6	04530	Tight junction
65132	Cldn7,MGC124679	claudin 7	04530	Tight junction
287099	Cldn9	claudin 9	04530	Tight junction
619374	Jam2	junctional adhesion molecule 2	04530	Tight junction
360661	Llgl2,RGD1560307	lethal giant larvae homolog 2 (Drosophila)	04530	Tight junction
81749	MGC93383,Prkch	protein kinase C, eta	04530	Tight junction
297173	MGC94489,RSA-14-44	RSA-14-44 protein	04530	Tight junction
50557	MMAC1,Mmac,Pten,TEP1	phosphatase and tensin homolog	04530	Tight junction
29365	Mpdz	multiple PDZ domain protein	04530	Tight junction
25482	Mras	muscle RAS oncogene homolog	04530	Tight junction
362279	Pard6b	par-6 (partitioning defective 6) homolog beta (C. elegans)	04530	Tight junction
25023	Pkcb,Prkcb,Prkcb1	protein kinase C, beta	04530	Tight junction
24672	Pp2a1,Ppp2ca	protein phosphatase 2, catalytic subunit, alpha isoform	04530	Tight junction
117104	Ppp2r2a	protein phosphatase 2 (formerly 2A), regulatory subunit B, alpha isoform	04530	Tight junction
84006	Prkci2,Pkci	protein kinase C, iota	04530	Tight junction
501203	RGD1309537,Rlc-a	similar to Myosin regulatory light chain 2-A, smooth muscle isoform (Myosin RLC-A)	04530	Tight junction
361568	Rras	Harvey rat sarcoma virus oncogene, subgroup R	04530	Tight junction
292994	Tjp1,ZO-1	tight junction protein 1	04530	Tight junction
58857	Vapa	VAMP (vesicle-associated membrane protein)-associated protein A	04530	Tight junction
25591	Adprt,MGC93658,Parp-1,Pa	poly (ADP-ribose) polymerase 1	GO:0005667	transcription factor complex
25243	Arnt2	aryl hydrocarbon receptor nuclear translocator 2	GO:0005667	transcription factor complex
29657	Arntl	aryl hydrocarbon receptor nuclear translocator-like	GO:0005667	transcription factor complex
367218	Cbfa1,Runx2	runt-related transcription factor 2	GO:0005667	transcription factor complex
362817	Cdk2	cyclin dependent kinase 2	GO:0005667	transcription factor complex
94201	Cdk4	cyclin-dependent kinase 4	GO:0005667	transcription factor complex
289185	Creg,Creg1	cellular repressor of E1A-stimulated genes 1	GO:0005667	transcription factor complex
25620	Crem,Icer	cAMP responsive element modulator	GO:0005667	transcription factor complex
313512	Dmbx1,Otx3	diencephalon/mesencephalon homeobox 1	GO:0005667	transcription factor complex
399489	E2f1	E2F transcription factor 1	GO:0005667	transcription factor complex
24356	Ets-11,Ets1,EtsnCb,MGC12	v-ets erythroblastosis virus E26 oncogene homolog 1 (avian)	GO:0005667	transcription factor complex
314322	Fos,c-fos	FBJ osteosarcoma oncogene	GO:0005667	transcription factor complex
25517	GHF1,GHF1A,PIT1Z,Pit1,Pou	POU class 1 homeobox 1	GO:0005667	transcription factor complex
368057	Hoxa10,MGC188427,RGD15	homeo box A10	GO:0005667	transcription factor complex
303480	Hoxb13	homeo box B13	GO:0005667	transcription factor complex
25671	Madh1,Smad1	SMAD family member 1	GO:0005667	transcription factor complex
192269	MGC109653,Rpo2tc1,Sub1	SUB1 homolog (S. cerevisiae)	GO:0005667	transcription factor complex
361178	MGC112830	similar to transcription factor	GO:0005667	transcription factor complex
309165	NFKB,Rela	v-rel reticuloendotheliosis viral oncogene homolog A (avian)	GO:0005667	transcription factor complex
25628	Nkx2-1,TTF1,Tif1	NK2 homeobox 1	GO:0005667	transcription factor complex
316351	Npas2	neuronal PAS domain protein 2	GO:0005667	transcription factor complex
304947	Pbx1	pre-B-cell leukemia homeobox 1	GO:0005667	transcription factor complex
406164	Pbx2	pre-B-cell leukemia homeobox 2	GO:0005667	transcription factor complex
311876	Pbx3	pre-B-cell leukemia homeobox 3	GO:0005667	transcription factor complex
685072	Rarg	retinoic acid receptor, gamma	GO:0005667	transcription factor complex
24708	Rb1	retinoblastoma 1	GO:0005667	transcription factor complex
81758	Rb2,Rbl2	retinoblastoma-like 2	GO:0005667	transcription factor complex
362268	Rbpjl,Rbpsuhl	recombination signal binding protein for immunoglobulin kappa J region-like	GO:0005667	transcription factor complex
501145	RGD1562369,Satb2	SATB homeobox 2	GO:0005667	transcription factor complex
54244	RTS2,CBP,Crebbp,RSTS	CREB binding protein	GO:0005667	transcription factor complex
114634	Six1	SIX homeobox 1	GO:0005667	transcription factor complex
312936	Sox17	SRY (sex determining region Y)-box 17	GO:0005667	transcription factor complex
252891	Sra1	steroid receptor RNA activator 1	GO:0005667	transcription factor complex
679869	Tcf7l2	transcription factor 7-like 2 (T-cell specific, HMG-box)	GO:0005667	transcription factor complex
25705	Tcf8,Zeb1,Zfhx1a,deltaEF1	zinc finger E-box binding homeobox 1	GO:0005667	transcription factor complex

308582	Tead2	TEA domain family member 2	GO:0005667	transcription factor complex
294299	Tead3	TEA domain family member 3	GO:0005667	transcription factor complex
85493	Abc50,Abcf1	ATP-binding cassette, subfamily F (GCN20), member 1	GO:0008494	translation activator activity
680486	Dazl	deleted in azoospermia-like	GO:0008494	translation activator activity
365684	Paip1	poly(A) binding protein interacting protein 1	GO:0008494	translation activator activity
25288	ACS,Acas,Acs1,COAA,Faci2	acyl-CoA synthetase long-chain family member 1	GO:0019432	triglyceride biosynthetic process
114024	Acs3,Acs13,Faci3	acyl-CoA synthetase long-chain family member 3	GO:0019432	triglyceride biosynthetic process
406165	Agpat1,MGC94573	1-acylglycerol-3-phosphate O-acyltransferase 1 (lysophosphatidic acid acyltransferase, alpha)	GO:0019432	triglyceride biosynthetic process
305166	Agpat9,MGC114395	1-acylglycerol-3-phosphate O-acyltransferase 9	GO:0019432	triglyceride biosynthetic process
29743	Cic1,Ctp,MGC93247,Slc20a3	solute carrier family 25 (mitochondrial carrier, citrate transporter), member 1	GO:0019432	triglyceride biosynthetic process
252900	Dgat2,MGC108863	diacylglycerol O-acyltransferase homolog 2 (mouse)	GO:0019432	triglyceride biosynthetic process
309449	Elov13	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 3	GO:0019432	triglyceride biosynthetic process
315851	Elov14	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 4	GO:0019432	triglyceride biosynthetic process
24539	Lpl,MGC93586	lipoprotein lipase	GO:0019432	triglyceride biosynthetic process
25404	Cav,Cav1,MGC187299	caveolin 1, caveolae protein	GO:0042310	vasoconstriction
24323	Edn1,Et1	endothelin 1	GO:0042310	vasoconstriction
24326	ENDOR,Ednra1,Eta,RATEND1	endothelin receptor type A	GO:0042310	vasoconstriction
29581	Htr2b	5-hydroxytryptamine (serotonin) receptor 2B	GO:0042310	vasoconstriction
25505	P2XMR,P2rx1	purinergic receptor P2X, ligand-gated ion channel, 1	GO:0042310	vasoconstriction
116477	Hsn2,Prkwnk1,Wnk1	WNK lysine deficient protein kinase 1	GO:0042598	vesicular fraction
83572	LI1,Pafah1b1	platelet-activating factor acetylhydrolase, isoform 1b, subunit 1	GO:0042598	vesicular fraction
252916	R,Rab38,Ruby	RAB38, member RAS oncogene family	GO:0042598	vesicular fraction
24805	RATSYNII,SYNII,Syt2	synaptotagmin II	GO:0042598	vesicular fraction
312052	Steap2	six transmembrane epithelial antigen of the prostate 2	GO:0042598	vesicular fraction
360958	Ablim2	actin binding LIM protein family, member 2	GO:0008270	zinc ion binding
83826	Ad4BP/SF-1,Ad4bp,Ftzf1,Nr1	nuclear receptor subfamily 5, group A, member 1	GO:0008270	zinc ion binding
289717	ADA2B,MGC189538,RGD1560118	transcriptional adaptor 2 (ADA2 homolog, yeast)-beta	GO:0008270	zinc ion binding
57025	Adam15,MDC15,tMDCVI	a disintegrin and metallopeptidase domain 15 (metargidin)	GO:0008270	zinc ion binding
57027	Adam17,TACE	ADAM metallopeptidase domain 17	GO:0008270	zinc ion binding
290834	Adam9,MDC9	ADAM metallopeptidase domain 9 (meltrin gamma)	GO:0008270	zinc ion binding
300474	Adamts15	ADAM metallopeptidase with thrombospondin type 1 motif, 15	GO:0008270	zinc ion binding
361412	Adamts18,RGD1560118	ADAM metallopeptidase with thrombospondin type 1 motif, 18	GO:0008270	zinc ion binding
25591	Adprt,MGC93658,Parp-1,Pa	poly (ADP-ribose) polymerase 1	GO:0008270	zinc ion binding
65218	Agap2,Centg1,Pike	ArfGAP with GTPase domain, ankyrin repeat and PH domain 2	GO:0008270	zinc ion binding
362300	Agap3,Centg3	ArfGAP with GTPase domain, ankyrin repeat and PH domain 3	GO:0008270	zinc ion binding
363266	Agfg1,MGC116375	ArfGAP with FG repeats 1	GO:0008270	zinc ion binding
116633	Akap8,Akap95	A kinase (PKA) anchor protein 8	GO:0008270	zinc ion binding
360650	Amz2,RGD1304846	archaealysin family metallopeptidase 2	GO:0008270	zinc ion binding
498030	Anapc11,RGD1561880	anaphase promoting complex subunit 11	GO:0008270	zinc ion binding
368062	Ankib1	ankyrin repeat and IBR domain containing 1	GO:0008270	zinc ion binding
80897	Appils,Arts1,Erap1,MGC112	endoplasmic reticulum aminopeptidase 1	GO:0008270	zinc ion binding
81002	Ard11,Arfd1,Trim23	tripartite motif-containing 23	GO:0008270	zinc ion binding
362162	Arfgap2,MGC124884,Zfp285	ADP-ribosylation factor GTPase activating protein 2	GO:0008270	zinc ion binding
296129	Astl,RGD1562279	astacin-like metalloendopeptidase (M12 family)	GO:0008270	zinc ion binding
29344	Berg36,Brf11,ERF1,TIS11b,Z	zinc finger protein 36, C3H type-like 1	GO:0008270	zinc ion binding
24916	BFP,Bfb,Rnf112,Zfp179,Znf1	ring finger protein 112	GO:0008270	zinc ion binding
81508	Bhmt	betaine-homocysteine methyltransferase	GO:0008270	zinc ion binding
365972	Bhmt2	betaine-homocysteine methyltransferase 2	GO:0008270	zinc ion binding
114845	Bklf,Klf3,Tef-2	Kruppel-like factor 3 (basic)	GO:0008270	zinc ion binding
365299	Bnc1	basonuclin 1	GO:0008270	zinc ion binding
298189	Bnc2	basonuclin 2	GO:0008270	zinc ion binding
315210	Brd1	bromodomain containing 1	GO:0008270	zinc ion binding
299347	Brf12	BRF1 homolog, subunit of RNA polymerase III transcription initiation factor IIIB (S. cerevisiae)	GO:0008270	zinc ion binding
64027	Bspry	B-box and SPRY domain containing	GO:0008270	zinc ion binding
311718	Btbd4	BTB (POZ) domain containing 4	GO:0008270	zinc ion binding
291819	Ca7,Car7	carbonic anhydrase 7	GO:0008270	zinc ion binding

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361788	Cat56,MGC156547,Prr3	proline rich 3	GO:0008270	zinc ion binding
296293	Cbfa2t2	core-binding factor, runt domain, alpha subunit 2; translocated to, 2	GO:0008270	zinc ion binding
314028	Cbll1	Cas-Br-M (murine) ecotropic retroviral transforming sequence-like 1	GO:0008270	zinc ion binding
288734	Chfr,MGC95316	checkpoint with forkhead and ring finger domains	GO:0008270	zinc ion binding
64530	Cnbp,Cnbp1,Znf9	CCHC-type zinc finger, nucleic acid binding protein	GO:0008270	zinc ion binding
314855	Cpm	carboxypeptidase M	GO:0008270	zinc ion binding
293566	Cpxm2,RGD1310955	carboxypeptidase X (M14 family), member 2	GO:0008270	zinc ion binding
288256	Cryz1	crystallin, zeta (quinone reductase)-like 1	GO:0008270	zinc ion binding
363783	DHHC23,Zdhhc23,nidd	zinc finger, DHHC-type containing 23	GO:0008270	zinc ion binding
25715	Dmt1,Nramp2,Slc11a2	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2	GO:0008270	zinc ion binding
309680	Dnmt3l	DNA (cytosine-5-)-methyltransferase 3-like	GO:0008270	zinc ion binding
361711	Dpf2	D4, zinc and double PHD fingers family 2	GO:0008270	zinc ion binding
498089	Dtx3l,RGD1565144	deltex 3-like (Drosophila)	GO:0008270	zinc ion binding
315952	Dzip1l,RGD1311430	DAZ interacting protein 1-like	GO:0008270	zinc ion binding
314764	Eea1	early endosome antigen 1	GO:0008270	zinc ion binding
494338	Efp,MGC72607,Trim25,Znf1	tripartite motif-containing 25	GO:0008270	zinc ion binding
114090	Egr2,Krox20	early growth response 2	GO:0008270	zinc ion binding
293701	ERRalpha,Errra,Esrra	estrogen related receptor, alpha	GO:0008270	zinc ion binding
360896	Esrrg,errg	estrogen-related receptor gamma	GO:0008270	zinc ion binding
308999	Fbxl19	F-box and leucine-rich repeat protein 19	GO:0008270	zinc ion binding
308283	Fbxo30,MGC94907	F-box protein 30	GO:0008270	zinc ion binding
500048	Fezf1,RGD1560480	Fez family zinc finger 1	GO:0008270	zinc ion binding
361223	Fgd3	FYVE, RhoGEF and PH domain containing 3	GO:0008270	zinc ion binding
299002	G2e3,RGD1310263	G2/M-phase specific E3 ubiquitin ligase	GO:0008270	zinc ion binding
54254	Gata4	GATA binding protein 4	GO:0008270	zinc ion binding
310614	Gata2b,RGD1308533	GATA zinc finger domain containing 2B	GO:0008270	zinc ion binding
304546	Git2,MGC94099	G protein-coupled receptor kinase interacting ArfGAP 2	GO:0008270	zinc ion binding
24413	GR,Gcr,Grl,Nr3c1	nuclear receptor subfamily 3, group C, member 1	GO:0008270	zinc ion binding
303918	Gtf2e1	general transcription factor IIE, polypeptide 1, alpha	GO:0008270	zinc ion binding
291936	Hhip,RGD1564108	Hedgehog-interacting protein	GO:0008270	zinc ion binding
286996	Hit39,Zfp689,Znf689	zinc finger protein 689	GO:0008270	zinc ion binding
171387	Hzfw1,Lirf,Rnf39	ring finger protein 39	GO:0008270	zinc ion binding
499801	Ifih1,RGD1560496	interferon induced with helicase C domain 1	GO:0008270	zinc ion binding
303511	Ikzf3,Zfpn1a3	IKAROS family zinc finger 3	GO:0008270	zinc ion binding
312154	Ing3,MGC112729	inhibitor of growth family, member 3	GO:0008270	zinc ion binding
297597	Ing4,MGC156688	inhibitor of growth family, member 4	GO:0008270	zinc ion binding
25700	INSDEGM,Idc	insulin degrading enzyme	GO:0008270	zinc ion binding
304809	Jarid1b,Kdm5b,RGD156560	lysine (K)-specific demethylase 5B	GO:0008270	zinc ion binding
313539	Jmjd2a,Kdm4a	lysine (K)-specific demethylase 4A	GO:0008270	zinc ion binding
81813	Klf10,Tieg	Kruppel-like factor 10	GO:0008270	zinc ion binding
306110	Klf12	Kruppel-like factor 12	GO:0008270	zinc ion binding
286979	Kzf-2,Kzf2,Zfp455	zinc finger protein 455	GO:0008270	zinc ion binding
300320	L3mbtl2,MGC124862	l(3)mbt-like 2 (Drosophila)	GO:0008270	zinc ion binding
311901	Lhx6	LIM homeobox 6	GO:0008270	zinc ion binding
305332	Limch1,RGD1305269	LIM and calponin homology domains 1	GO:0008270	zinc ion binding
316101	Limd1	LIM domains containing 1	GO:0008270	zinc ion binding
494021	LIMD1,Lmcd1	LIM and cysteine-rich domains 1	GO:0008270	zinc ion binding
360646	Limd2,MGC112915,RGD130	LIM domain containing 2	GO:0008270	zinc ion binding
29524	Limk2,Limk2b,Link2	LIM domain kinase 2	GO:0008270	zinc ion binding
316326	Lincr,Neurl3	neutralized homolog 3 (Drosophila)	GO:0008270	zinc ion binding
363795	Lmln	leishmanolysin-like (metallopeptidase M8 family)	GO:0008270	zinc ion binding
100188984	LOC100188984,MGC189422	hypothetical protein LOC100188984	GO:0008270	zinc ion binding
499124	LOC499124	mouse zinc finger protein 14-like	GO:0008270	zinc ion binding
499900	LOC499900	similar to Zinc finger protein 133	GO:0008270	zinc ion binding
117107	Lrf,OCZF,Zbtb7,Zbtb7a	zinc finger and BTB domain containing 7a	GO:0008270	zinc ion binding
25478	Man2a1,Mana2,Manno	mannosidase, alpha, class 2A, member 1	GO:0008270	zinc ion binding

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362849	MARCH-II, March2, RGD1306	membrane-associated ring finger (C3HC4) 2	GO:0008270	zinc ion binding
29150	Matr3, P130/MAT3	matrin 3	GO:0008270	zinc ion binding
25672	MCR, Mlr, Nr3c2	nuclear receptor subfamily 3, group C, member 2	GO:0008270	zinc ion binding
304798	Mdm4	Mdm4 p53 binding protein homolog (mouse)	GO:0008270	zinc ion binding
307271	Mex3c, Rkhd2	mex-3 homolog C (C. elegans)	GO:0008270	zinc ion binding
29219	MGC105443, Snca	synuclein, alpha (non A4 component of amyloid precursor)	GO:0008270	zinc ion binding
311791	MGC108530, Zmynd19, miziq	zinc finger, MYND-type containing 19	GO:0008270	zinc ion binding
83574	MGC109416, Rxrg	retinoid X receptor gamma	GO:0008270	zinc ion binding
313264	MGC109467, Trim32	tripartite motif-containing 32	GO:0008270	zinc ion binding
309626	MGC112563, Ring1	ring finger protein 1	GO:0008270	zinc ion binding
252860	MGC114256, Rlzf, Zfp99, Zks	zinc finger protein 394	GO:0008270	zinc ion binding
499095	MGC114501, Zfp94	zinc finger protein 94	GO:0008270	zinc ion binding
361815	MGC116114, Rnf8	ring finger protein 8	GO:0008270	zinc ion binding
140639	MGC124575, Npl4, Nploc4	nuclear protein localization 4 homolog (S. cerevisiae)	GO:0008270	zinc ion binding
304851	MGC124643, RGD1307890, T	similar to C1orf25	GO:0008270	zinc ion binding
309478	MGC124846, RGD1305314, Z	zinc finger protein 518A	GO:0008270	zinc ion binding
361771	MGC125041, zdhhc6	zinc finger, DHHC-type containing 6	GO:0008270	zinc ion binding
361783	MGC156546, Zfp57	zinc finger protein 57	GO:0008270	zinc ion binding
100125361	MGC1567902, LOC100125361	zinc finger protein LOC100125361	GO:0008270	zinc ion binding
303088	MGC188087, Trim41	tripartite motif-containing 41	GO:0008270	zinc ion binding
100158232	MGC188133, Zfp9	zinc finger protein 9	GO:0008270	zinc ion binding
684961	MGC188207, Zmat4	zinc finger, matrin type 4	GO:0008270	zinc ion binding
100188944	MGC188259, Pnkd	paroxysmal nonkinesinogenic dyskinesia	GO:0008270	zinc ion binding
363170	MGC189403, Zfp167, Znf167	zinc finger protein 167	GO:0008270	zinc ion binding
94196	MGC72355, Rnf138, Rsd4, Tril	ring finger protein 138	GO:0008270	zinc ion binding
303214	MGC93671, Trim16	tripartite motif-containing 16	GO:0008270	zinc ion binding
306840	MGC93823, Sirt5	sirtuin (silent mating type information regulation 2 homolog) 5 (S. cerevisiae)	GO:0008270	zinc ion binding
314399	MGC94098, RGD1359144, Ut	ubiquitin protein ligase E3 component n-recogin 7 (putative)	GO:0008270	zinc ion binding
282844	MGC94279, Rffl	ring finger and FYVE like domain containing protein	GO:0008270	zinc ion binding
297804	MGC94626, Plag1	pleiomorphic adenoma gene 1	GO:0008270	zinc ion binding
364878	MGC94648, March3	membrane-associated ring finger (C3HC4) 3	GO:0008270	zinc ion binding
360764	MGC95009, RGD1309158, Zfj	zinc finger protein 655	GO:0008270	zinc ion binding
361285	Mllt10	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 10	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
289736	Morc2, Morc2a, Zcwc1	MORC family CW-type zinc finger 2	GO:0008270	zinc ion binding
306571	Moz, Myst3, Runxpb2, Znf220	MYST histone acetyltransferase (monocytic leukemia) 3	GO:0008270	zinc ion binding
362591	Mtf1	metal-regulatory transcription factor 1	GO:0008270	zinc ion binding
305482	Mtmt3	myotubularin related protein 3	GO:0008270	zinc ion binding
81522	Mtr, methioninesynthase	5-methyltetrahydrofolate-homocysteine methyltransferase	GO:0008270	zinc ion binding
298576	Mul1, RGD1309944	mitochondrial ubiquitin ligase activator of NFKB 1	GO:0008270	zinc ion binding
365213	Nanos2, RGD1562436	nanos homolog 2 (Drosophila)	GO:0008270	zinc ion binding
289595	Nfxl1, RGD1359201	nuclear transcription factor, X-box binding-like 1	GO:0008270	zinc ion binding
116839	Nim22, Rim2, Rims2	regulating synaptic membrane exocytosis 2	GO:0008270	zinc ion binding
50558	Npepps, Psa	aminopeptidase puromycin sensitive	GO:0008270	zinc ion binding
252917	Nr1d1, REV-ERBAALPHA	nuclear receptor subfamily 1, group D, member 1	GO:0008270	zinc ion binding
252924	Nr2c1, Psg4, TR2-11, Tr21	nuclear receptor subfamily 2, group C, member 1	GO:0008270	zinc ion binding
25281	NUC2INK, Nup153	nucleoporin 153	GO:0008270	zinc ion binding
266680	Nzf3, St18, r-MyT3	suppression of tumorigenicity 18	GO:0008270	zinc ion binding
309164	Ovo1	ovo-like 1 (Drosophila)	GO:0008270	zinc ion binding
29659	P2rx4	purinergic receptor P2X, ligand-gated ion channel 4	GO:0008270	zinc ion binding
114115	P2X2, P2rx2	purinergic receptor P2X, ligand-gated ion channel, 2	GO:0008270	zinc ion binding
25505	P2XMR, P2rx1	purinergic receptor P2X, ligand-gated ion channel, 1	GO:0008270	zinc ion binding
361051	Phf11	PHD finger protein 11	GO:0008270	zinc ion binding
364393	Phf11l	PHD finger protein 11-like	GO:0008270	zinc ion binding
500030	Phf14, RGD1563764	PHD finger protein 14	GO:0008270	zinc ion binding

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310352	Phf17	PHD finger protein 17	GO:0008270	zinc ion binding
306814	Phf2	PHD finger protein 2	GO:0008270	zinc ion binding
25023	Pkcb,Prkcb,Prkcb1	protein kinase C, beta	GO:0008270	zinc ion binding
60383	Pkcbpb15,Rbck1	RanBP-type and C3HC4-type zinc finger containing 1	GO:0008270	zinc ion binding
296281	Plagl2	pleiomorphic adenoma gene-like 2	GO:0008270	zinc ion binding
362484	Plekhf2	pleckstrin homology domain containing, family F (with FYVE domain) member 2	GO:0008270	zinc ion binding
310658	Pogz	pogo transposable element with ZNF domain	GO:0008270	zinc ion binding
25747	PPAR,Ppara	peroxisome proliferator activated receptor alpha	GO:0008270	zinc ion binding
309871	Prdm1	PR domain containing 1, with ZNF domain	GO:0008270	zinc ion binding
312563	Prickle2	prickle homolog 2 (Drosophila)	GO:0008270	zinc ion binding
59312	Prosap2,Shank3	SH3 and multiple ankyrin repeat domains 3	GO:0008270	zinc ion binding
83801	Ptms,ZnBP	parathymosin	GO:0008270	zinc ion binding
360820	Pxn	paxillin	GO:0008270	zinc ion binding
64012	Rad50	RAD50 homolog (S. cerevisiae)	GO:0008270	zinc ion binding
295953	Rag2	recombination activating gene 2	GO:0008270	zinc ion binding
361103	Rai17,Zmiz1	zinc finger, MIZ-type containing 1	GO:0008270	zinc ion binding
685072	Rarg	retinoic acid receptor, gamma	GO:0008270	zinc ion binding
309544	Rbm20	RNA binding motif protein 20	GO:0008270	zinc ion binding
292583	Rfpl4,Rfpl4a	ret finger protein-like 4A	GO:0008270	zinc ion binding
308906	RGD1304579,Trim5	tripartite motif-containing 5	GO:0008270	zinc ion binding
312309	RGD1304910,Zfp775,Znf775	zinc finger protein 775	GO:0008270	zinc ion binding
289138	RGD1304982	similar to RIKEN cDNA 2810025M15	GO:0008270	zinc ion binding
299510	RGD1306532,Zbtb39	zinc finger and BTB domain containing 39	GO:0008270	zinc ion binding
305127	RGD1306805,Zfp644,Znf644	zinc finger protein 644	GO:0008270	zinc ion binding
313548	RGD1308150,Zfp691,Znf691	zinc finger protein 691	GO:0008270	zinc ion binding
309002	RGD1308623,Zfp668,Znf668	zinc finger protein 668	GO:0008270	zinc ion binding
361822	RGD1308722	similar to RIKEN cDNA A130042E20; open reading frame 57	GO:0008270	zinc ion binding
363627	RGD1310573,Rnf222	ring finger protein 222	GO:0008270	zinc ion binding
305478	RGD1310738,Rnf215	ring finger protein 215	GO:0008270	zinc ion binding
301076	RGD1559144,Zfp445	zinc finger protein 445	GO:0008270	zinc ion binding
294429	RGD1560047,Ranbp2	RAN binding protein 2	GO:0008270	zinc ion binding
499309	RGD1560108	similar to RIKEN cDNA 2700081O15	GO:0008270	zinc ion binding
288105	RGD1560387,Zbtb20	zinc finger and BTB domain containing 20	GO:0008270	zinc ion binding
307251	RGD1560744,Rnf165	ring finger protein 165	GO:0008270	zinc ion binding
500989	RGD1562173,Zfp259	zinc finger protein 259	GO:0008270	zinc ion binding
310250	RGD1563022,Zfhx4	zinc finger homeobox 4	GO:0008270	zinc ion binding
361088	RGD1564706,Rnf219	ring finger protein 219	GO:0008270	zinc ion binding
499508	RGD1564784,Zfyve16	zinc finger, FYVE domain containing 16	GO:0008270	zinc ion binding
308361	RGD1565029,Zfp329	zinc finger protein 329	GO:0008270	zinc ion binding
500950	RGD1565419,Zfp317	zinc finger protein 317	GO:0008270	zinc ion binding
294343	RGD1565460,Zfp280b	zinc finger protein 280b	GO:0008270	zinc ion binding
315259	Rilp2,Prickle1	prickle homolog 1 (Drosophila)	GO:0008270	zinc ion binding
80338	Rinzf,Zbtb10	zinc finger and BTB domain containing 10	GO:0008270	zinc ion binding
300813	Rnf111	ring finger protein 111	GO:0008270	zinc ion binding
308051	Rnf146	ring finger protein 146	GO:0008270	zinc ion binding
293561	Rnf152	ring finger protein 152	GO:0008270	zinc ion binding
288308	Rnf160,Zfp294,Znf294	ring finger protein 160	GO:0008270	zinc ion binding
300659	Rnf26	ring finger protein 26	GO:0008270	zinc ion binding
362814	Rnf41	ring finger protein 41	GO:0008270	zinc ion binding
306873	Rreb1	ras responsive element binding protein 1	GO:0008270	zinc ion binding
364910	Sall3	sal-like 3 (Drosophila)	GO:0008270	zinc ion binding
685144	Sec24c	SEC24 family, member C (S. cerevisiae)	GO:0008270	zinc ion binding
140941	SIAH,SIah1,SIah1a	seven in absentia 1A	GO:0008270	zinc ion binding
362791	Siva,Siva1	SIVA1, apoptosis-inducing factor	GO:0008270	zinc ion binding
297333	Smyd1	SET and MYND domain containing 1	GO:0008270	zinc ion binding
116490	Sna,Snai1	snail homolog 1 (Drosophila)	GO:0008270	zinc ion binding

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303000	Solh	small optic lobes homolog (Drosophila)	GO:0008270	zinc ion binding
24790	Sp1	Sp1 transcription factor	GO:0008270	zinc ion binding
353231	Spg7	spastic paraplegia 7 homolog (human)	GO:0008270	zinc ion binding
307348	Spire1	spire homolog 1 (Drosophila)	GO:0008270	zinc ion binding
252961	Tank	TRAF family member-associated NFKB activator	GO:0008270	zinc ion binding
29575	Tcea2	transcription elongation factor A (SII), 2	GO:0008270	zinc ion binding
25705	Tcf8,Zeb1,Zfhx1a,deltaEF1	zinc finger E-box binding homeobox 1	GO:0008270	zinc ion binding
500040	Tes2	testis derived transcript	GO:0008270	zinc ion binding
361816	Tex27,Zfand3	zinc finger, AN1-type domain 3	GO:0008270	zinc ion binding
678743	Tll,Tll1	tolloid-like 1	GO:0008270	zinc ion binding
311245	Traf6	Tnf receptor-associated factor 6	GO:0008270	zinc ion binding
313236	Trim14	tripartite motif-containing 14	GO:0008270	zinc ion binding
361970	Trim2	tripartite motif-containing 2	GO:0008270	zinc ion binding
294208	Trim31,Trim31l	tripartite motif-containing 31	GO:0008270	zinc ion binding
498538	Trim35	tripartite motif-containing 35	GO:0008270	zinc ion binding
291597	Trim36	tripartite motif-containing 36	GO:0008270	zinc ion binding
310641	Trim46	tripartite motif-containing 46	GO:0008270	zinc ion binding
293294	Trim6	tripartite motif-containing 6	GO:0008270	zinc ion binding
299897	Trps1	trichorhinophalangeal syndrome I homolog (human)	GO:0008270	zinc ion binding
310306	Usp13	ubiquitin specific protease 13 (isopeptidase T-3)	GO:0008270	zinc ion binding
310960	Usp33	ubiquitin specific peptidase 33	GO:0008270	zinc ion binding
24883	Wt1	Wilms tumor 1	GO:0008270	zinc ion binding
308126	Zbtb2	zinc finger and BTB domain containing 2	GO:0008270	zinc ion binding
311872	Zbtb43,Zfp297b	zinc finger and BTB domain containing 43	GO:0008270	zinc ion binding
366029	Zbtb6,Zfp482,Znf482	zinc finger and BTB domain containing 6	GO:0008270	zinc ion binding
500553	Zbtb82,RGD1562327,Zbtb8t	zinc finger and BTB domain containing 8b	GO:0008270	zinc ion binding
311415	Zc3h6,Zc3hdc6	zinc finger CCCH type containing 6	GO:0008270	zinc ion binding
298184	Zdhhc21	zinc finger, DHHC-type containing 21	GO:0008270	zinc ion binding
301081	Zdhhc3	zinc finger, DHHC-type containing 3	GO:0008270	zinc ion binding
311071	Zeb2,Zfhx1b	zinc finger E-box binding homeobox 2	GO:0008270	zinc ion binding
293960	Zfand5,Zfp216	zinc finger, AN1-type domain 5	GO:0008270	zinc ion binding
305888	ZFH,Zfhx2	zinc finger homeobox 2	GO:0008270	zinc ion binding
308420	Zfp112	zinc finger protein 112	GO:0008270	zinc ion binding
361627	Zfp143,Znf143	zinc finger protein 143	GO:0008270	zinc ion binding
246279	Zfp180,rKr1	zinc finger protein 180	GO:0008270	zinc ion binding
313219	Zfp189	zinc finger protein 189	GO:0008270	zinc ion binding
306974	Zfp192	zinc finger protein 192	GO:0008270	zinc ion binding
313598	Zfp262,Zmym4	zinc finger, MYM-type 4	GO:0008270	zinc ion binding
305083	Zfp281	zinc finger protein 281	GO:0008270	zinc ion binding
297065	Zfp282,Znf282	zinc finger protein 282	GO:0008270	zinc ion binding
303212	Zfp287,Znf287	zinc finger protein 287	GO:0008270	zinc ion binding
50552	Zfp292,Zn-15,Znf292	zinc finger protein 292	GO:0008270	zinc ion binding
680201	Zfp322a	zinc finger protein 322a	GO:0008270	zinc ion binding
306765	Zfp346	zinc finger protein 346	GO:0008270	zinc ion binding
303173	Zfp39	zinc finger protein 39	GO:0008270	zinc ion binding
690661	Zfp40	zinc finger protein 40	GO:0008270	zinc ion binding
314310	Zfp410,Znf410	zinc finger protein 410	GO:0008270	zinc ion binding
367034	Zfp4261,Zfp426l	zinc finger protein 426-like	GO:0008270	zinc ion binding
293038	Zfp592,Znf592	zinc finger protein 592	GO:0008270	zinc ion binding
307839	Zfp612,Znf23	zinc finger protein 23 (KOX 16)	GO:0008270	zinc ion binding
304337	Zfp68	zinc finger protein 68	GO:0008270	zinc ion binding
362845	Zfp709l2	zinc finger protein 709-like 2	GO:0008270	zinc ion binding
308482	Zfp84	zinc finger protein 84	GO:0008270	zinc ion binding
246282	Zfp91	zinc finger protein 91	GO:0008270	zinc ion binding
304275	Zfp95,Zkscan5	zinc finger with KRAB and SCAN domains 5	GO:0008270	zinc ion binding
299188	Zfyve1	zinc finger, FYVE domain containing 1	GO:0008270	zinc ion binding

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305454	Zfyve28	zinc finger, FYVE domain containing 28	GO:0008270	zinc ion binding
313477	Zfyve9	zinc finger, FYVE domain containing 9	GO:0008270	zinc ion binding
100302405	Zinki	Arg3.1/Arc mRNA-binding zinc finger protein	GO:0008270	zinc ion binding
314586	Znf124,Znf763	zinc finger protein 763	GO:0008270	zinc ion binding
292816	Znf507,zfp507	zinc finger protein 507	GO:0008270	zinc ion binding
307362	Znf532	zinc finger protein 532	GO:0008270	zinc ion binding
304655	Zswim4	zinc finger, SWIM-type containing 4	GO:0008270	zinc ion binding