

enriched genes DMI03

Entrez	Symbols	Name	TermID
170699	Atp2c1,MGC93231	ATPase, Ca ⁺⁺ transporting, type 2C, member 1	GO:0031532
25459	Ac2-008,Hmg1,Hmgb1	high mobility group box 1	GO:0031532
85385	P66shc,Shc1	SHC (Src homology 2 domain containing) transforming protein 1	GO:0031532
293526	Ate1	arginyltransferase 1	GO:0008415
60327	F13a,F13a1	coagulation factor XIII, A1 polypeptide	GO:0008415
299201	Dlst,MGC95077	dihydrolipoamide S-succinyltransferase (E2 component of 2-oxo-glutarate complex)	GO:0008415
296048	Agpat7,Lpcat4,RGD131	lysophosphatidylcholine acyltransferase 4	GO:0008415
64679	Dp11,Tgm4	transglutaminase 4 (prostate)	GO:0008415
363783	DHHC23,Zdhhc23,nidd	zinc finger, DHHC-type containing 23	GO:0008415
64185	Cap1,MGC108691,Mch	CAP, adenylate cyclase-associated protein 1 (yeast)	GO:0001667
24772	Cxcl12,Sdf1	chemokine (C-X-C motif) ligand 12 (stromal cell-derived factor 1)	GO:0001667
50558	Npepps,Psa	aminopeptidase puromycin sensitive	GO:0004177
295500	Metap1	methionyl aminopeptidase 1	GO:0004177
292808	MGC95081,Pepd	peptidase D	GO:0004177
366894	PAP-II,Trhde	thyrotropin-releasing hormone degrading enzyme	GO:0004177
84550	Nckx2,Slc24a2	solute carrier family 24 (sodium/potassium/calcium exchanger), member 2	GO:0015297
498185	Slc24a6	solute carrier family 24 (sodium/potassium/calcium exchanger), member 6	GO:0015297
170943	Dic,MGC93224,Slc25a1	solute carrier family 25 (mitochondrial carrier; dicarboxylate transporter), member 10	GO:0015297
24783	Nhe2,Slc9a2	solute carrier family 9 (sodium/hydrogen exchanger), member 2	GO:0015297
311651	Slc9a8	solute carrier family 9 (sodium/hydrogen exchanger), member 8	GO:0015297
56780	Acpp,Acpp11,Ppal,RNA	acid phosphatase, prostate	GO:0045177
29172	Aqp8,MGC93492	aquaporin 8	GO:0045177
26955	Af6,Mllt4	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to,	GO:0045177
362279	Pard6b	par-6 (partitioning defective 6) homolog beta (C. elegans)	GO:0045177
364786	RGD1564327	similar to integrin alpha 8	GO:0045177
25361	MGC108734,VCAM1B,	vascular cell adhesion molecule 1	GO:0045177
25696	Vldlr	very low density lipoprotein receptor	GO:0045177
25275	CNPF,CNPI,CNPII,Cnp,C	2',3'-cyclic nucleotide 3' phosphodiesterase	GO:0007409
25718	IGFIRC,Igf1r,JTK13	insulin-like growth factor 1 receptor	GO:0007409
29456	Map1b,Mtap1b	microtubule-associated protein 1B	GO:0007409
295382	Ntng1,RGD1563465	netrin G1	GO:0007409
306152	Slitrk5	SLIT and NTRK-like family, member 5	GO:0007409

enriched genes DMI03

29545	Uchl1	ubiquitin carboxyl-terminal esterase L1 (ubiquitin thiolesterase)	GO:0007409
298079	Aldh1b1	aldehyde dehydrogenase 1 family, member B1	00410
29651	Aldh1a4,Aldh1a7,Aldh1a1	aldehyde dehydrogenase family 1, subfamily A7	00410
81656	Dpyd	dihydropyrimidine dehydrogenase	00410
24379	Gad1,Gad67	glutamate decarboxylase 1	00410
297910	Slc26a7	solute carrier family 26, member 7	GO:0015701
24779	MGC93554,Slc4a1	solute carrier family 4 (anion exchanger), member 1	GO:0015701
25439	F2r,MGC93622,Par1,TF	coagulation factor II (thrombin) receptor	GO:0007596
25584	F31,MGC93621	coagulation factor III (thromboplastin, tissue factor)	GO:0007596
60327	F13a,F13a1	coagulation factor XIII, A1 polypeptide	GO:0007596
288264	Ifnar1	interferon (alpha, beta and omega) receptor 1	GO:0007596
360697	Ifngr2	interferon gamma receptor 2	GO:0007596
29436	Tfpi	tissue factor pathway inhibitor (lipoprotein-associated coagulation inhibitor)	GO:0007596
25584	F31,MGC93621	coagulation factor III (thromboplastin, tissue factor)	GO:0007598
29436	Tfpi	tissue factor pathway inhibitor (lipoprotein-associated coagulation inhibitor)	GO:0007598
24215	Atp2b2,PMCA2	ATPase, Ca ⁺⁺ transporting, plasma membrane 2	GO:0006816
170699	Atp2c1,MGC93231	ATPase, Ca ⁺⁺ transporting, type 2C, member 1	GO:0006816
25297	CACH3B,Cacnb3	calcium channel, voltage-dependent, beta 3 subunit	GO:0006816
29717	Cacna1g	calcium channel, voltage-dependent, T type, alpha 1G subunit	GO:0006816
315435	Panx1,px1	Pannexin 1	GO:0006816
84550	Nckx2,Slc24a2	solute carrier family 24 (sodium/potassium/calcium exchanger), member 2	GO:0006816
498185	Slc24a6	solute carrier family 24 (sodium/potassium/calcium exchanger), member 6	GO:0006816
24215	Atp2b2,PMCA2	ATPase, Ca ⁺⁺ transporting, plasma membrane 2	GO:0021707
360243	Top2a	topoisomerase (DNA) II alpha	GO:0021707
29440	Pds,Slc26a4	solute carrier family 26, member 4	GO:0015108
24779	MGC93554,Slc4a1	solute carrier family 4 (anion exchanger), member 1	GO:0015108
362293	Dnajb6	DnaJ (Hsp40) homolog, subfamily B, member 6	GO:0060710
25361	MGC108734,VCAM1B,	vascular cell adhesion molecule 1	GO:0060710
25230	Add3	adducin 3 (gamma)	GO:0000794
365024	Chmp1a,Pcoln3	chromatin modifying protein 1A	GO:0000794
246042	MGC105693,Mki67ip	Mki67 (FHA domain) interacting nucleolar phosphoprotein	GO:0000794
245920	Cxcl10,IP-10,Scyb10	chemokine (C-X-C motif) ligand 10	GO:0005125
25459	Ac2-008,Hmg1,Hmgb1	high mobility group box 1	GO:0005125

enriched genes DMI03

499744	Il1f9,RGD1563019	interleukin 1 family, member 9	GO:0005125
25647	Il7	interleukin 7	GO:0005125
25608	Lep,OB,obese	leptin	GO:0005125
89814	Ox40l,Tnfsf4	tumor necrosis factor (ligand) superfamily, member 4	GO:0005125
155918	Lcp2,Slp76	lymphocyte cytosolic protein 2	GO:0050663
25316	FCIGA,Fcer1b,Ms4a11,	membrane-spanning 4-domains, subfamily A, member 2 (Fc fragment of IgE, high affinity I, rece	GO:0050663
298288	C8a	complement component 8, alpha polypeptide	GO:0019835
171528	Gzmb,MGC156565,RNI	granzyme B	GO:0019835
303439	Maf2,MGC94095,Mmd	monocyte to macrophage differentiation-associated	GO:0019835
305000	Exo1	exonuclease 1	GO:0006310
293489	Giyd1,Giyd2,LRRGT000	GIY-YIG domain containing 2	GO:0006310
300891	Morf4l1	mortality factor 4 like 1	GO:0006310
287834	Recq15	RecQ protein-like 5	GO:0006310
294408	Asf1a	ASF1 anti-silencing function 1 homolog A (<i>S. cerevisiae</i>)	GO:0006281
140583	Chek1	CHK1 checkpoint homolog (<i>S. pombe</i>)	GO:0006281
306274	Ercc6	excision repair cross-complementing rodent repair deficiency, complementation group 6	GO:0006281
293489	Giyd1,Giyd2,LRRGT000	GIY-YIG domain containing 2	GO:0006281
300891	Morf4l1	mortality factor 4 like 1	GO:0006281
171525	Dinb1,Polk	polymerase (DNA directed) kappa	GO:0006281
288079	Polq	polymerase (DNA directed), theta	GO:0006281
81816	HR6B,Ube2b	ubiquitin-conjugating enzyme E2B (RAD6 homolog, <i>S. cerevisiae</i>)	GO:0006281
116725	MGC93937,Ube2n	ubiquitin-conjugating enzyme E2N (UBC13 homolog, yeast)	GO:0006281
171525	Dinb1,Polk	polymerase (DNA directed) kappa	GO:0003887
316235	Polh	polymerase (DNA directed), eta	GO:0003887
288079	Polq	polymerase (DNA directed), theta	GO:0003887
293489	Giyd1,Giyd2,LRRGT000	GIY-YIG domain containing 2	GO:0000724
300891	Morf4l1	mortality factor 4 like 1	GO:0000724
116725	MGC93937,Ube2n	ubiquitin-conjugating enzyme E2N (UBC13 homolog, yeast)	GO:0000724
304666	Klf1	Kruppel-like factor 1 (erythroid)	GO:0035162
306571	Moz,Myst3,Runx2,Zi	MYST histone acetyltransferase (monocytic leukemia) 3	GO:0035162
58838	Lnk,Sh2b3	SH2B adaptor protein 3	GO:0035162
25608	Lep,OB,obese	leptin	GO:0006112
25635	Mc4r	melanocortin 4 receptor	GO:0006112

enriched genes DMI03

85385	P66shc,Shc1	SHC (Src homology 2 domain containing) transforming protein 1	GO:0005154
500616	RGD1564914,Socs5	suppressor of cytokine signaling 5	GO:0005154
295378	RGD1565941,Vav3	vav 3 guanine nucleotide exchange factor	GO:0005154
26759	Acot7,Bach,MGC10526	acyl-CoA thioesterase 7	GO:0009062
25608	Lep,OB,obese	leptin	GO:0009062
310903	Adh6	alcohol dehydrogenase 6 (class V)	00071
171178	Adh7	alcohol dehydrogenase 7 (class IV), mu or sigma polypeptide	00071
298079	Aldh1b1	aldehyde dehydrogenase 1 family, member B1	00071
29651	Aldh1a4,Aldh1a7,Aldh1a7	aldehyde dehydrogenase family 1, subfamily A7	00071
266674	Cyp4a12,Cyp4a8,MGC5	cytochrome P450, family 4, subfamily a, polypeptide 8	00071
155918	Lcp2,Slp76	lymphocyte cytosolic protein 2	04664
25316	FCIGA,Fcer1b,Ms4a11,	membrane-spanning 4-domains, subfamily A, member 2 (Fc fragment of IgE, high affinity I, receptor 2B)	04664
81649	CRK1,CSBP,CSPB1,Csbp	mitogen activated protein kinase 14	04664
360426	MGC93880,Pla2g6,iPla2	phospholipase A2, group VI (cytosolic, calcium-independent)	04664
24680	Pkca,Prkca	protein kinase C, alpha	04664
24681	MGC105487,PKC,PKCI,	protein kinase C, gamma	04664
295378	RGD1565941,Vav3	vav 3 guanine nucleotide exchange factor	04664
311901	Lhx6	LIM homeobox 6	GO:0021884
365963	Lhx7,Lhx8,MGC109530	LIM homeobox 8	GO:0021884
315435	Panx1,px1	Pannexin 1	GO:0055077
315567	Panx3	pannexin 3	GO:0055077
24242	CaMI,CaMII,Calm11,Ca	calmodulin 1	05214
25718	IGFIRC,Igf1r,JTK13	insulin-like growth factor 1 receptor	05214
24680	Pkca,Prkca	protein kinase C, alpha	05214
24681	MGC105487,PKC,PKCI,	protein kinase C, gamma	05214
24708	Rb1	retinoblastoma 1	05214
85385	P66shc,Shc1	SHC (Src homology 2 domain containing) transforming protein 1	05214
404783	Hyal4	hyaluronoglucosaminidase 4	GO:0006027
293186	Lyve1,Xlkd1	lymphatic vessel endothelial hyaluronan receptor 1	GO:0006027
690961	Cog2	component of oligomeric golgi complex 2	GO:0017119
312077	Golga3	golgi autoantigen, golgin subfamily a, 3	GO:0017119
313121	Map3k7,Tak1	mitogen activated protein kinase kinase kinase 7	GO:0008385
64371	Prdx3,Prx3	peroxiredoxin 3	GO:0008385

enriched genes DMI03

171528	Gzmb,MGC156565,RNI	granzyme B	GO:0060555
306886	Ripk1	receptor (TNFRSF)-interacting serine-threonine kinase 1	GO:0060555
24772	Cxcl12,Sdf1	chemokine (C-X-C motif) ligand 12 (stromal cell-derived factor 1)	GO:0050930
25459	Ac2-008,Hmg1,Hmgb1	high mobility group box 1	GO:0050930
24680	Pkca,Prkca	protein kinase C, alpha	GO:0050930
25466	IL-1RAcp,Il1racpb,Il1ra	interleukin 1 receptor accessory protein	GO:0005149
300177	Irak4	interleukin-1 receptor-associated kinase 4	GO:0005149
25334	Bhlha15,Bhlhb8,Mist1,	basic helix-loop-helix family, member a15	GO:0048312
64531	Omp25,Synj2bp	synaptojanin 2 binding protein	GO:0048312
289994	Cnih	cornichon homolog (Drosophila)	GO:0035556
291130	Dcdc2	doublecortin domain containing 2	GO:0035556
58844	Grb14	growth factor receptor bound protein 14	GO:0035556
25608	Lep,OB,obese	leptin	GO:0035556
25486	Myo9b	myosin IXb	GO:0035556
24680	Pkca,Prkca	protein kinase C, alpha	GO:0035556
24681	MGC105487,PKC,PKCI,	protein kinase C, gamma	GO:0035556
58838	Lnk,Sh2b3	SH2B adaptor protein 3	GO:0035556
85385	P66shc,Shc1	SHC (Src homology 2 domain containing) transforming protein 1	GO:0035556
310358	RGD1308448	similar to RIKEN cDNA B130016O10 gene	GO:0035556
29357	MGC156656,Madh2,Sn	SMAD family member 2	GO:0035556
500616	RGD1564914,Socs5	suppressor of cytokine signaling 5	GO:0035556
170908	Tesk2	testis-specific kinase 2	GO:0035556
295378	RGD1565941,Vav3	vav 3 guanine nucleotide exchange factor	GO:0035556
288692	MGC93822,Wsb2	WD repeat and SOCS box-containing 2	GO:0035556
25275	CNPF,CNPI,CNPII,Cnp,C	2',3'-cyclic nucleotide 3' phosphodiesterase	GO:0031224
364867	Ticam2	toll-like receptor adaptor molecule 2	GO:0031224
116465	Ifngr,Ifngr1	interferon gamma receptor 1	05140
360697	Ifngr2	interferon gamma receptor 2	05140
300177	Irak4	interleukin-1 receptor-associated kinase 4	05140
81649	CRK1,CSBP,CSPB1,Csbp	mitogen activated protein kinase 14	05140
313121	Map3k7,Tak1	mitogen activated protein kinase kinase kinase 7	05140
114553	Ncf-1,Ncf1,p47phox	neutrophil cytosolic factor 1	05140
24772	Cxcl12,Sdf1	chemokine (C-X-C motif) ligand 12 (stromal cell-derived factor 1)	04670

enriched genes DMI03

84588	Cldn11	claudin 11	04670
81649	CRK1,CSPB1,CSPB1,Csbp	mitogen activated protein kinase 14	04670
26955	Af6,Mllt4	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to,	04670
114553	Ncf-1,Ncf1,p47phox	neutrophil cytosolic factor 1	04670
24680	Pkca,Prkca	protein kinase C, alpha	04670
24681	MGC105487,PKC,PKCI,	protein kinase C, gamma	04670
25361	MGC108734,VCAM1B,	vascular cell adhesion molecule 1	04670
295378	RGD1565941,Vav3	vav 3 guanine nucleotide exchange factor	04670
315508	Ncapd3	non-SMC condensin II complex, subunit D3	GO:0035064
308911	MGC105831,RGD1308:	ribosomal RNA processing 8, methyltransferase, homolog (yeast)	GO:0035064
362093	MGC114572,Wdr5	WD repeat domain 5	GO:0035064
365024	Chmp1a,Pcoln3	chromatin modifying protein 1A	GO:0007076
315508	Ncapd3	non-SMC condensin II complex, subunit D3	GO:0007076
300177	Irak4	interleukin-1 receptor-associated kinase 4	GO:0002755
81649	CRK1,CSPB1,CSPB1,Csbp	mitogen activated protein kinase 14	GO:0002755
313121	Map3k7,Tak1	mitogen activated protein kinase kinase kinase 7	GO:0002755
305549	Peli1	pellino 1	GO:0002755
364867	Ticam2	toll-like receptor adaptor molecule 2	GO:0002755
116725	MGC93937,Ube2n	ubiquitin-conjugating enzyme E2N (UBC13 homolog, yeast)	GO:0002755
25300	Cd247,Cd3z,TCRzeta	Cd247 molecule	04650
171528	Gzmb,MGC156565,RNI	granzyme B	04650
288264	Ifnar1	interferon (alpha, beta and omega) receptor 1	04650
116465	Ifngr,Ifngr1	interferon gamma receptor 1	04650
360697	Ifngr2	interferon gamma receptor 2	04650
155918	Lcp2,Slp76	lymphocyte cytosolic protein 2	04650
24680	Pkca,Prkca	protein kinase C, alpha	04650
24681	MGC105487,PKC,PKCI,	protein kinase C, gamma	04650
292461	Raet1l	retinoic acid early transcript 1L	04650
85385	P66shc,Shc1	SHC (Src homology 2 domain containing) transforming protein 1	04650
364420	Tnfrsf10b	tumor necrosis factor receptor superfamily, member 10b	04650
295378	RGD1565941,Vav3	vav 3 guanine nucleotide exchange factor	04650
29376	4PS,IRS-2,Irs2	insulin receptor substrate 2	GO:0033673
64371	Prdx3,Prx3	peroxiredoxin 3	GO:0033673

enriched genes DMI03

171458	Impk,lpk2,lpmk	inositol polyphosphate multikinase	GO:0001841
313121	Map3k7,Tak1	mitogen activated protein kinase kinase kinase 7	GO:0001841
116658	Axcam,Big-2,Cntn4	contactin 4	GO:0031175
25459	Ac2-008,Hmg1,Hmgb1	high mobility group box 1	GO:0031175
25718	IGFIRC,Igf1r,JTK13	insulin-like growth factor 1 receptor	GO:0031175
312563	Prickle2	prickle homolog 2 (Drosophila)	GO:0031175
24708	Rb1	retinoblastoma 1	GO:0031175
85385	P66shc,Shc1	SHC (Src homology 2 domain containing) transforming protein 1	GO:0031175
288264	lfnar1	interferon (alpha, beta and omega) receptor 1	04380
116465	lfngr,lfngr1	interferon gamma receptor 1	04380
360697	lfngr2	interferon gamma receptor 2	04380
155918	Lcp2,Slp76	lymphocyte cytosolic protein 2	04380
81649	CRK1,CSBP,CSPB1,Csbp	mitogen activated protein kinase 14	04380
313121	Map3k7,Tak1	mitogen activated protein kinase kinase kinase 7	04380
114553	Ncf-1,Ncf1,p47phox	neutrophil cytosolic factor 1	04380
292537	Oscar,RGD1559897	osteoclast associated, immunoglobulin-like receptor	04380
113894	Osi,Sqstm1,ZIP,ZIP3	sequestosome 1	04380
79247	5Ht5b,Htr5b,REC17	5-hydroxytryptamine (serotonin) receptor 5B	GO:0005886
25230	Add3	adducin 3 (gamma)	GO:0005886
63866	Accn5,Blinac,lnac	amiloride-sensitive cation channel 5, intestinal	GO:0005886
83518	Agtrl1,Apj,Aplnr	apelin receptor	GO:0005886
29172	Aqp8,MGC93492	aquaporin 8	GO:0005886
24215	Atp2b2,PMCA2	ATPase, Ca ⁺⁺ transporting, plasma membrane 2	GO:0005886
170699	Atp2c1,MGC93231	ATPase, Ca ⁺⁺ transporting, type 2C, member 1	GO:0005886
365266	Atp10a	ATPase, class V, type 10A	GO:0005886
298189	Bnc2	basonuclin 2	GO:0005886
25297	CACH3B,Cacnb3	calcium channel, voltage-dependent, beta 3 subunit	GO:0005886
29717	Cacna1g	calcium channel, voltage-dependent, T type, alpha 1G subunit	GO:0005886
24242	CaMl,CaMII,Calmodulin11,Ca	calmodulin 1	GO:0005886
64185	Cap1,MGC108691,Mch	CAP, adenylate cyclase-associated protein 1 (yeast)	GO:0005886
314855	Cpm	carboxypeptidase M	GO:0005886
25300	Cd247,Cd3z,TCRzeta	Cd247 molecule	GO:0005886
24772	Cxcl12,Sdf1	chemokine (C-X-C motif) ligand 12 (stromal cell-derived factor 1)	GO:0005886

enriched genes DMI03

84588	Cldn11	claudin 11	GO:0005886
25439	F2r,MGC93622,Par1,TF	coagulation factor II (thrombin) receptor	GO:0005886
25584	F31,MGC93621	coagulation factor III (thromboplastin, tissue factor)	GO:0005886
494320	Ccdc8,MGC72567	coiled-coil domain containing 8	GO:0005886
54279	BIG-1,Cntn3,Pang	contactin 3 (plasmacytoma associated)	GO:0005886
116658	Axcam,Big-2,Cntn4	contactin 4	GO:0005886
83835	Chic2	cysteine-rich hydrophobic domain 2	GO:0005886
25311	Dcc	deleted in colorectal carcinoma	GO:0005886
25113	Ddn,Den	dendrin	GO:0005886
299201	Dl1st,MGC95077	dihydrolipoamide S-succinyltransferase (E2 component of 2-oxo-glutarate complex)	GO:0005886
314212	Daam1	dishevelled associated activator of morphogenesis 1	GO:0005886
114214	Dffa,ICAD-S	DNA fragmentation factor, alpha subunit	GO:0005886
58945	8kDLC,Dlc8,Dncl1,Dyn	dynein light chain LC8-type 1	GO:0005886
306460	E-NPP 6,Enpp6	ectonucleotide pyrophosphatase/phosphodiesterase 6	GO:0005886
50672	Ednra2,Ednrb,Etb	endothelin receptor type B	GO:0005886
79209	Frk	fyn-related kinase	GO:0005886
58844	Grb14	growth factor receptor bound protein 14	GO:0005886
114117	Gng3	guanine nucleotide binding protein (G protein), gamma 3	GO:0005886
25605	Hcrtr2	hypocretin (orexin) receptor 2	GO:0005886
303926	Igsf11,MGC94879	immunoglobulin superfamily, member 11	GO:0005886
29376	4PS,IRS-2,Irs2	insulin receptor substrate 2	GO:0005886
25718	IGFIRC,Igf1r,JTK13	insulin-like growth factor 1 receptor	GO:0005886
288264	Ifnar1	interferon (alpha, beta and omega) receptor 1	GO:0005886
116465	Ifngr,Ifngr1	interferon gamma receptor 1	GO:0005886
360697	Ifngr2	interferon gamma receptor 2	GO:0005886
25466	IL-1RAcp,Il1racpb,Il1ra	interleukin 1 receptor accessory protein	GO:0005886
300177	Irak4	interleukin-1 receptor-associated kinase 4	GO:0005886
362375	Lancl2	LanC lantibiotic synthetase component C-like 2 (bacterial)	GO:0005886
293186	Lyve1,Xlkd1	lymphatic vessel endothelial hyaluronan receptor 1	GO:0005886
116744	Edg22,Lpar1,MGC1052	lysophosphatidic acid receptor 1	GO:0005886
117020	Mcf2l,Ost,mcf 2l	MCF.2 cell line derived transforming sequence-like	GO:0005886
25635	Mc4r	melanocortin 4 receptor	GO:0005886
287299	MGC94011,Mfap3	microfibrillar-associated protein 3	GO:0005886

enriched genes DMI03

306424	Mfap3l	microfibrillar-associated protein 3-like	GO:0005886
29456	Map1b,Mtap1b	microtubule-associated protein 1B	GO:0005886
25482	Mras	muscle RAS oncogene homolog	GO:0005886
26955	Af6,Mllt4	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to,	GO:0005886
295382	Ntng1,RGD1563465	netrin G1	GO:0005886
25264	NMB-R,Nmbr	neuromedin B receptor	GO:0005886
114553	Ncf-1,Ncf1,p47phox	neutrophil cytosolic factor 1	GO:0005886
304103	Olig2	oligodendrocyte lineage transcription factor 2	GO:0005886
315435	Panx1,px1	Pannexin 1	GO:0005886
315567	Panx3	pannexin 3	GO:0005886
362279	Pard6b	par-6 (partitioning defective 6) homolog beta (C. elegans)	GO:0005886
116720	Pik3c2g	phosphoinositide-3-kinase, class 2, gamma polypeptide	GO:0005886
24680	Pkca,Prkca	protein kinase C, alpha	GO:0005886
24681	MGC105487,PKC,PKCI,	protein kinase C, gamma	GO:0005886
306091	Pcdh9	protocadherin 9	GO:0005886
306886	Ripk1	receptor (TNFRSF)-interacting serine-threonine kinase 1	GO:0005886
303311	Ngrh2,Rtn4rl1	reticulon 4 receptor-like 1	GO:0005886
310207	Sema5a	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain	GO:0005886
311384	Sema6d	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6D	GO:0005886
116728	5-Sep,CDCrel-1A,Pnutl1	septin 5	GO:0005886
85385	P66shc,Shc1	SHC (Src homology 2 domain containing) transforming protein 1	GO:0005886
315611	Scn4b	sodium channel, voltage-gated, type IV, beta	GO:0005886
501925	Slc2a9	solute carrier family 2 (facilitated glucose transporter), member 9	GO:0005886
498185	Slc24a6	solute carrier family 24 (sodium/potassium/calcium exchanger), member 6	GO:0005886
29642	Ata2,Atrc2,Sat21,Slc38	solute carrier family 38, member 2	GO:0005886
170840	Fpn1,Slc11a3,Slc39a11,	solute carrier family 39 (iron-regulated transporter), member 1	GO:0005886
24779	MGC93554,Slc4a1	solute carrier family 4 (anion exchanger), member 1	GO:0005886
94338	Smpd3,cca1	sphingomyelin phosphodiesterase 3, neutral membrane	GO:0005886
117087	Stim2	stromal interaction molecule 2	GO:0005886
24805	RATSYNII,SYNII,Syt2	synaptotagmin II	GO:0005886
29436	Tfpi	tissue factor pathway inhibitor (lipoprotein-associated coagulation inhibitor)	GO:0005886
364867	Ticam2	toll-like receptor adaptor molecule 2	GO:0005886
64679	Dp11,Tgm4	transglutaminase 4 (prostate)	GO:0005886

enriched genes DMI03

313067	Tmem67,Wpk	transmembrane protein 67	GO:0005886
362235	RGD1310753,Tmem90l	transmembrane protein 90B	GO:0005886
303330	MGC105541,RGD13074	transmembrane protein 97	GO:0005886
364420	Tnfrsf10b	tumor necrosis factor receptor superfamily, member 10b	GO:0005886
29545	Uchl1	ubiquitin carboxyl-terminal esterase L1 (ubiquitin thiolesterase)	GO:0005886
81816	HR6B,Ube2b	ubiquitin-conjugating enzyme E2B (RAD6 homolog, <i>S. cerevisiae</i>)	GO:0005886
25361	MGC108734,VCAM1B,	vascular cell adhesion molecule 1	GO:0005886
295378	RGD1565941,Vav3	vav 3 guanine nucleotide exchange factor	GO:0005886
361954	RGD1308217,Veph1	ventricular zone expressed PH domain homolog 1 (zebrafish)	GO:0005886
286981	Vom2r32	vomer nasal 2 receptor, 32	GO:0005886
360389	Kox15,Krox-25,MGC101	zinc finger protein 422	GO:0005886
29376	4PS,IRS-2,Irs2	insulin receptor substrate 2	GO:0030890
25647	Il7	interleukin 7	GO:0030890
305549	Peli1	pellino 1	GO:0030890
295378	RGD1565941,Vav3	vav 3 guanine nucleotide exchange factor	GO:0030890
24215	Atp2b2,PMCA2	ATPase, Ca ⁺⁺ transporting, plasma membrane 2	GO:0051928
25439	F2r,MGC93622,Par1,TF	coagulation factor II (thrombin) receptor	GO:0051928
117087	Stim2	stromal interaction molecule 2	GO:0051928
171528	Gzmb,MGC156565,RNI	granzyme B	GO:0010942
25459	Ac2-008,Hmg1,Hmgb1	high mobility group box 1	GO:0010942
116744	Edg22,Lpar1,MGC1052	lysophosphatidic acid receptor 1	GO:0010942
24680	Pkca,Prkca	protein kinase C, alpha	GO:0045921
116728	5-Sep,CDCre1-1A,Pnut1	septin 5	GO:0045921
25459	Ac2-008,Hmg1,Hmgb1	high mobility group box 1	GO:0045639
25608	Lep,OB,obese	leptin	GO:0045639
29618	Btg1	B-cell translocation gene 1, anti-proliferative	GO:0045663
25459	Ac2-008,Hmg1,Hmgb1	high mobility group box 1	GO:0045663
316235	Polh	polymerase (DNA directed), eta	GO:0006301
81816	HR6B,Ube2b	ubiquitin-conjugating enzyme E2B (RAD6 homolog, <i>S. cerevisiae</i>)	GO:0006301
116725	MGC93937,Ube2n	ubiquitin-conjugating enzyme E2N (UBC13 homolog, yeast)	GO:0006301
315435	Panx1,px1	Pannexin 1	GO:0034214
315567	Panx3	pannexin 3	GO:0034214
309804	Cdk112,Cdc2l6	cell division cycle 2-like 6 (CDK8-like)	GO:0004674

enriched genes DMI03

140583	Chek1	CHK1 checkpoint homolog (<i>S. pombe</i>)	GO:0004674
313087	Cpne3	copine III	GO:0004674
300177	Irak4	interleukin-1 receptor-associated kinase 4	GO:0004674
305922	Lats2	large tumor suppressor 2	GO:0004674
304286	Lmtk2	lemur tyrosine kinase 2	GO:0004674
81649	CRK1,CSPB,CSPB1,Csbp	mitogen activated protein kinase 14	GO:0004674
313121	Map3k7,Tak1	mitogen activated protein kinase kinase kinase 7	GO:0004674
288057	Mylk	myosin light chain kinase	GO:0004674
299204	Nek9	NIMA (never in mitosis gene a)- related kinase 9	GO:0004674
311450	Pak7	p21 protein (Cdc42/Rac)-activated kinase 7	GO:0004674
290326	Pbk	PDZ binding kinase	GO:0004674
24680	Pkca,Prkca	protein kinase C, alpha	GO:0004674
306886	Ripk1	receptor (TNFRSF)-interacting serine-threonine kinase 1	GO:0004674
65189	MST2,Stk3	serine/threonine kinase 3 (STE20 homolog, yeast)	GO:0004674
54348	Spak,Stk39	serine/threonine kinase 39, STE20/SPS1 homolog (yeast)	GO:0004674
170837	Snrk	SNF related kinase	GO:0004674
170908	Tesk2	testis-specific kinase 2	GO:0004674
60327	F13a,F13a1	coagulation factor XIII, A1 polypeptide	GO:0003810
64679	Dp11,Tgm4	transglutaminase 4 (prostate)	GO:0003810
306274	Erc6	excision repair cross-complementing rodent repair deficiency, complementation group 6	GO:0006290
316235	Polh	polymerase (DNA directed), eta	GO:0006290
24242	CaMI,CaMII,Calm11,Ca	calmodulin 1	GO:0032465
361634	Cp110,RGD1310509	CP110 protein	GO:0032465
25608	Lep,OB,obese	leptin	GO:0006111
24413	GR,Gcr,Grl,Nr3c1	nuclear receptor subfamily 3, group C, member 1	GO:0006111
303926	Igsf11,MGC94879	immunoglobulin superfamily, member 11	GO:0040008
300891	Morf4l1	mortality factor 4 like 1	GO:0040008
81734	Nell2	NEL-like 2 (chicken)	GO:0040008
85385	P66shc,Shc1	SHC (Src homology 2 domain containing) transforming protein 1	GO:0040008
25608	Lep,OB,obese	leptin	GO:0019222
25635	Mc4r	melanocortin 4 receptor	GO:0019222
299347	Brf12	BRF1 homolog, subunit of RNA polymerase III transcription initiation factor IIIB (<i>S. cerevisiae</i>)	GO:0043488
29344	Berg36,Brf11,ERF1,TIS1	zinc finger protein 36, C3H type-like 1	GO:0043488

enriched genes DMI03

50672	Ednra2,Ednrb,Etb	endothelin receptor type B	GO:0006885
29440	Pds,Slc26a4	solute carrier family 26, member 4	GO:0006885
24783	Nhe2,Slc9a2	solute carrier family 9 (sodium/hydrogen exchanger), member 2	GO:0006885
311651	Slc9a8	solute carrier family 9 (sodium/hydrogen exchanger), member 8	GO:0006885
292071	Cdt1,Ris2	chromatin licensing and DNA replication factor 1	GO:0007090
24708	Rb1	retinoblastoma 1	GO:0007090
24783	Nhe2,Slc9a2	solute carrier family 9 (sodium/hydrogen exchanger), member 2	GO:0015385
311651	Slc9a8	solute carrier family 9 (sodium/hydrogen exchanger), member 8	GO:0015385
305000	Exo1	exonuclease 1	GO:0043566
360243	Top2a	topoisomerase (DNA) II alpha	GO:0043566
170943	Dic,MGC93224,Slc25a1	solute carrier family 25 (mitochondrial carrier; dicarboxylate transporter), member 10	GO:0015116
297910	Slc26a7	solute carrier family 26, member 7	GO:0015116
170943	Dic,MGC93224,Slc25a1	solute carrier family 25 (mitochondrial carrier; dicarboxylate transporter), member 10	GO:0008272
29440	Pds,Slc26a4	solute carrier family 26, member 4	GO:0008272
297910	Slc26a7	solute carrier family 26, member 7	GO:0008272
245920	Cxcl10,IP-10,Scyb10	chemokine (C-X-C motif) ligand 10	04620
288264	Ifnar1	interferon (alpha, beta and omega) receptor 1	04620
300177	Irak4	interleukin-1 receptor-associated kinase 4	04620
81649	CRK1,CSBP,CSPB1,Csbp	mitogen activated protein kinase 14	04620
313121	Map3k7,Tak1	mitogen activated protein kinase kinase kinase 7	04620
306886	Ripk1	receptor (TNFRSF)-interacting serine-threonine kinase 1	04620
364867	Ticam2	toll-like receptor adaptor molecule 2	04620
297968	Akirin2,FBI1,RGD13077	akirin 2	GO:0017053
314205	Arid4a	AT rich interactive domain 4A (Rbp1 like)	GO:0017053
25459	Ac2-008,Hmg1,Hmgb1	high mobility group box 1	GO:0017053
365755	RGD1560053,Tbl1xr1	transducin (beta)-like 1 X-linked receptor 1	GO:0017053
50672	Ednra2,Ednrb,Etb	endothelin receptor type B	GO:0031702
114117	Gng3	guanine nucleotide binding protein (G protein), gamma 3	GO:0031702
29309	Coq3,MGC156658	coenzyme Q3 homolog, methyltransferase (S. cerevisiae)	GO:0006744
498909	Coq9	coenzyme Q9 homolog (S. cerevisiae)	GO:0006744
365592	Pdss2	prenyl (decaprenyl) diphosphate synthase, subunit 2	GO:0006744
113894	Osi,Sqstm1,ZIP,ZIP3	sequestosome 1	GO:0043130
360243	Top2a	topoisomerase (DNA) II alpha	GO:0043130

enriched genes DMI03

29545	Uchl1	ubiquitin carboxyl-terminal esterase L1 (ubiquitin thiolesterase)	GO:0043130
116725	MGC93937,Ube2n	ubiquitin-conjugating enzyme E2N (UBC13 homolog, yeast)	GO:0043130
366064	B3galt1	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 1	GO:0008499
686081	B3galt2	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 2	GO:0008499
362356	Cul1	cullin 1	04310
64033	Ccnd2	cyclin D2	04310
314212	Daam1	dishevelled associated activator of morphogenesis 1	04310
313121	Map3k7,Tak1	mitogen activated protein kinase kinase kinase 7	04310
312563	Prickle2	prickle homolog 2 (Drosophila)	04310
24680	Pkca,Prkca	protein kinase C, alpha	04310
24681	MGC105487,PKC,PKCI,	protein kinase C, gamma	04310
29357	MGC156656,Madh2,Sn	SMAD family member 2	04310
365755	RGD1560053,Tbl1xr1	transducin (beta)-like 1 X-linked receptor 1	04310
303586	Wnt9b	wingless-type MMTV integration site family, member 9B	04310
362229	Xrn2	5'-3' exoribonuclease 2	GO:0008270
310903	Adh6	alcohol dehydrogenase 6 (class V)	GO:0008270
171178	Adh7	alcohol dehydrogenase 7 (class IV), mu or sigma polypeptide	GO:0008270
50558	Npepps,Psa	aminopeptidase puromycin sensitive	GO:0008270
300756	Arih1	ariadne ubiquitin-conjugating enzyme E2 binding protein homolog 1 (Drosophila)	GO:0008270
298189	Bnc2	basoenuclin 2	GO:0008270
299347	Brf12	BRF1 homolog, subunit of RNA polymerase III transcription initiation factor IIIB (S. cerevisiae)	GO:0008270
314855	Cpm	carboxypeptidase M	GO:0008270
312227	Cnot4,MGC114505	CCR4-NOT transcription complex, subunit 4	GO:0008270
362061	Cryz	crystallin, zeta	GO:0008270
290741	Dctd	dCMP deaminase	GO:0008270
314336	Ddx41	DEAD (Asp-Glu-Ala-Asp) box polypeptide 41	GO:0008270
311508	Gzf1,RGD1562321,Zfp3	GDNF-inducible zinc finger protein 1	GO:0008270
100188984	LOC100188984,MGC18	hypothetical protein LOC100188984	GO:0008270
304666	Klf1	Kruppel-like factor 1 (erythroid)	GO:0008270
84410	Bteb2,IKLF,Klf5,bteb2	Kruppel-like factor 5	GO:0008270
311901	Lhx6	LIM homeobox 6	GO:0008270
289201	Lmx1a	LIM homeobox transcription factor 1 alpha	GO:0008270
361700	Fbxl11,Kdm2a	lysine (K)-specific demethylase 2A	GO:0008270

enriched genes DMI03

362591	Mtf1	metal-regulatory transcription factor 1	GO:0008270
307271	Mex3c,Rkhd2	mex-3 homolog C (C. elegans)	GO:0008270
361508	Mzf1,Zfp98	myeloid zinc finger 1	GO:0008270
25486	Myo9b	myosin IXb	GO:0008270
306571	Moz,Myst3,Runxbp2,Zi	MYST histone acetyltransferase (monocytic leukemia) 3	GO:0008270
24413	GR,Gcr,Grl,Nr3c1	nuclear receptor subfamily 3, group C, member 1	GO:0008270
83826	Ad4BP/SF-1,Ad4bp,Ftzi	nuclear receptor subfamily 5, group A, member 1	GO:0008270
363210	Phf3	PHD finger protein 3	GO:0008270
296281	Plagl2	pleiomorphic adenoma gene-like 2	GO:0008270
312563	Prickle2	prickle homolog 2 (Drosophila)	GO:0008270
24680	Pkca,Prkca	protein kinase C, alpha	GO:0008270
24681	MGC105487,PKC,PKCI,	protein kinase C, gamma	GO:0008270
294429	RGD1560047,Ranbp2	RAN binding protein 2	GO:0008270
311909	Mnab,Rc3h2	ring finger and CCCH-type zinc finger domains 2	GO:0008270
304271	Rnf6	ring finger protein (C3H2C3 type) 6	GO:0008270
300813	Rnf111	ring finger protein 111	GO:0008270
365022	MGC2647,Rnf166	ring finger protein 166	GO:0008270
113894	Osi,Sqstm1,ZIP,ZIP3	sequestosome 1	GO:0008270
361888	MGC105985,P18srp,RC	SFRS12-interacting protein 1	GO:0008270
499900	LOC499900	similar to Zinc finger protein 133	GO:0008270
114901	Argbp2,Sorbs2	sorbin and SH3 domain containing 2	GO:0008270
362687	MGC116344,Sfrs7,Srsf7	splicing factor, arginine/serine-rich 7, 35kDa	GO:0008270
366894	PAP-II,Trhde	thyrotropin-releasing hormone degrading enzyme	GO:0008270
313236	Trim14	tripartite motif-containing 14	GO:0008270
316599	LRRGT00071,Usp40	ubiquitin specific peptidase 40	GO:0008270
690262	Yaf2	YY1 associated factor 2	GO:0008270
192359	MGC105318,Npuk68,Zi	zinc finger CCCH type containing 14	GO:0008270
311071	Zeb2,Zfhx1b	zinc finger E-box binding homeobox 2	GO:0008270
310250	RGD1563022,Zfhx4	zinc finger homeobox 4	GO:0008270
315798	RGD1560796,Suhw4,Zf	zinc finger protein 280D	GO:0008270
303212	Zfp287,Znf287	zinc finger protein 287	GO:0008270
306765	Zfp346	zinc finger protein 346	GO:0008270
307547	MGC108880,Zfp239,Zfj	zinc finger protein 35	GO:0008270

enriched genes DMI03

29344	Berg36,Brf11,ERF1,TIS1	zinc finger protein 36, C3H type-like 1	GO:0008270
306695	Zfp367,Znf367	zinc finger protein 367	GO:0008270
115768	Zfp37	zinc finger protein 37	GO:0008270
685474	Zfp385,Zfp385a	zinc finger protein 385A	GO:0008270
292548	RGD1311663,Zfp418	zinc finger protein 418	GO:0008270
360389	Kox15,Krox-25,MGC10	zinc finger protein 422	GO:0008270
499563	Zfp458	zinc finger protein 458	GO:0008270
308326	Mip1,Zfp667,Znf667	zinc finger protein 667	GO:0008270
304337	Zfp68	zinc finger protein 68	GO:0008270
498160	MGC116363,Zkscan1	zinc finger with KRAB and SCAN domains 1	GO:0008270
298184	Zdhhc21	zinc finger, DHHC-type containing 21	GO:0008270
363783	DHHC23,Zdhhc23,nidd	zinc finger, DHHC-type containing 23	GO:0008270
361771	MGC125041,Zdhhc6	zinc finger, DHHC-type containing 6	GO:0008270
499508	RGD1564784,Zfyve16	zinc finger, FYVE domain containing 16	GO:0008270
361103	Rai17,Zmiz1	zinc finger, MIZ-type containing 1	GO:0008270
291259	BS69,MGC72621,Zmyn	zinc finger, MYND domain containing 11	GO:0008270

TermDesc

actin cytoskeleton reorganization
actin cytoskeleton reorganization
actin cytoskeleton reorganization
acyltransferase activity
acyltransferase activity
acyltransferase activity
acyltransferase activity
acyltransferase activity
acyltransferase activity
ameboidal cell migration
ameboidal cell migration
aminopeptidase activity
aminopeptidase activity
aminopeptidase activity
aminopeptidase activity
antiporter activity
antiporter activity
antiporter activity
antiporter activity
antiporter activity
apical part of cell
apical part of cell
apical part of cell
apical part of cell
apical part of cell
apical part of cell
apical part of cell
axonogenesis
axonogenesis
axonogenesis
axonogenesis
axonogenesis

enriched genes DMI03

axonogenesis
beta-Alanine metabolism
beta-Alanine metabolism
beta-Alanine metabolism
beta-Alanine metabolism
bicarbonate transport
bicarbonate transport
blood coagulation
blood coagulation
blood coagulation
blood coagulation
blood coagulation
blood coagulation
blood coagulation extrinsic pathway
blood coagulation extrinsic pathway
calcium ion transport
calcium ion transport
calcium ion transport
calcium ion transport
calcium ion transport
calcium ion transport
calcium ion transport
cerebellar granule cell differentiation
cerebellar granule cell differentiation
chloride transmembrane transporter activity
chloride transmembrane transporter activity
chorio-allantoic fusion
chorio-allantoic fusion
condensed nuclear chromosome
condensed nuclear chromosome
condensed nuclear chromosome
cytokine activity
cytokine activity

enriched genes DMI03

epidermal growth factor receptor binding
epidermal growth factor receptor binding
epidermal growth factor receptor binding
fatty acid catabolic process
fatty acid catabolic process
Fatty acid metabolism
Fatty acid metabolism
Fatty acid metabolism
Fatty acid metabolism
Fatty acid metabolism
Fc epsilon RI signaling pathway
Fc epsilon RI signaling pathway
Fc epsilon RI signaling pathway
Fc epsilon RI signaling pathway
Fc epsilon RI signaling pathway
Fc epsilon RI signaling pathway
Fc epsilon RI signaling pathway
forebrain neuron development
forebrain neuron development
gap junction hemi-channel activity
gap junction hemi-channel activity
Glioma
Glioma
Glioma
Glioma
Glioma
Glioma
glycosaminoglycan catabolic process
glycosaminoglycan catabolic process
Golgi transport complex
Golgi transport complex
IkappaB kinase complex
IkappaB kinase complex

enriched genes DMI03

induction of necroptosis by extracellular signals
induction of necroptosis by extracellular signals
induction of positive chemotaxis
induction of positive chemotaxis
induction of positive chemotaxis
interleukin-1 receptor binding
interleukin-1 receptor binding
intracellular distribution of mitochondria
intracellular distribution of mitochondria
intracellular signal transduction
intracellular signal transduction
intracellular signal transduction
intracellular signal transduction
intracellular signal transduction
intracellular signal transduction
intracellular signal transduction
intracellular signal transduction
intracellular signal transduction
intracellular signal transduction
intracellular signal transduction
intracellular signal transduction
intracellular signal transduction
intracellular signal transduction
intracellular signal transduction
intracellular signal transduction
intracellular signal transduction
intracellular signal transduction
intrinsic to membrane
intrinsic to membrane
Leishmaniasis
Leishmaniasis
Leishmaniasis
Leishmaniasis
Leishmaniasis
Leishmaniasis
Leukocyte transendothelial migration

enriched genes DMI03

Leukocyte transendothelial migration
Leukocyte transendothelial migration
Leukocyte transendothelial migration
Leukocyte transendothelial migration
Leukocyte transendothelial migration
Leukocyte transendothelial migration
Leukocyte transendothelial migration
Leukocyte transendothelial migration
methylated histone residue binding
methylated histone residue binding
methylated histone residue binding
mitotic chromosome condensation
mitotic chromosome condensation
MyD88-dependent toll-like receptor signaling pathway
MyD88-dependent toll-like receptor signaling pathway
MyD88-dependent toll-like receptor signaling pathway
MyD88-dependent toll-like receptor signaling pathway
MyD88-dependent toll-like receptor signaling pathway
MyD88-dependent toll-like receptor signaling pathway
Natural killer cell mediated cytotoxicity
Natural killer cell mediated cytotoxicity
Natural killer cell mediated cytotoxicity
Natural killer cell mediated cytotoxicity
Natural killer cell mediated cytotoxicity
Natural killer cell mediated cytotoxicity
Natural killer cell mediated cytotoxicity
Natural killer cell mediated cytotoxicity
Natural killer cell mediated cytotoxicity
Natural killer cell mediated cytotoxicity
Natural killer cell mediated cytotoxicity
Natural killer cell mediated cytotoxicity
Natural killer cell mediated cytotoxicity
negative regulation of kinase activity
negative regulation of kinase activity

enriched genes DMI03

plasma membrane
plasma membrane
plasma membrane
plasma membrane
plasma membrane
plasma membrane
plasma membrane
plasma membrane
plasma membrane
plasma membrane
positive regulation of B cell proliferation
positive regulation of B cell proliferation
positive regulation of B cell proliferation
positive regulation of B cell proliferation
positive regulation of calcium ion transport
positive regulation of calcium ion transport
positive regulation of calcium ion transport
positive regulation of cell death
positive regulation of cell death
positive regulation of cell death
positive regulation of exocytosis
positive regulation of exocytosis
positive regulation of myeloid cell differentiation
positive regulation of myeloid cell differentiation
positive regulation of myoblast differentiation
positive regulation of myoblast differentiation
postreplication repair
postreplication repair
postreplication repair
protein hexamerization
protein hexamerization
protein serine/threonine kinase activity

enriched genes DMI03

protein serine/threonine kinase activity
protein serine/threonine kinase activity
protein serine/threonine kinase activity
protein serine/threonine kinase activity
protein serine/threonine kinase activity
protein serine/threonine kinase activity
protein serine/threonine kinase activity
protein serine/threonine kinase activity
protein serine/threonine kinase activity
protein serine/threonine kinase activity
protein serine/threonine kinase activity
protein serine/threonine kinase activity
protein serine/threonine kinase activity
protein serine/threonine kinase activity
protein serine/threonine kinase activity
protein serine/threonine kinase activity
protein-glutamine gamma-glutamyltransferase activity
protein-glutamine gamma-glutamyltransferase activity
pyrimidine dimer repair
pyrimidine dimer repair
regulation of cytokinesis
regulation of cytokinesis
regulation of gluconeogenesis
regulation of gluconeogenesis
regulation of growth
regulation of growth
regulation of growth
regulation of growth
regulation of metabolic process
regulation of metabolic process
regulation of mRNA stability
regulation of mRNA stability

enriched genes DMI03

regulation of pH
regulation of pH
regulation of pH
regulation of pH
regulation of S phase of mitotic cell cycle
regulation of S phase of mitotic cell cycle
sodium:hydrogen antiporter activity
sodium:hydrogen antiporter activity
structure-specific DNA binding
structure-specific DNA binding
sulfate transmembrane transporter activity
sulfate transmembrane transporter activity
sulfate transport
sulfate transport
sulfate transport
Toll-like receptor signaling pathway
Toll-like receptor signaling pathway
Toll-like receptor signaling pathway
Toll-like receptor signaling pathway
Toll-like receptor signaling pathway
Toll-like receptor signaling pathway
Toll-like receptor signaling pathway
transcriptional repressor complex
transcriptional repressor complex
transcriptional repressor complex
transcriptional repressor complex
type 1 angiotensin receptor binding
type 1 angiotensin receptor binding
ubiquinone biosynthetic process
ubiquinone biosynthetic process
ubiquinone biosynthetic process
ubiquitin binding
ubiquitin binding

enriched genes DMI03

zinc ion binding
zinc ion binding
zinc ion binding
zinc ion binding
zinc ion binding
zinc ion binding
zinc ion binding
zinc ion binding
zinc ion binding
zinc ion binding
zinc ion binding
zinc ion binding
zinc ion binding
zinc ion binding
zinc ion binding
zinc ion binding
zinc ion binding