

Table S1. Microarray analysis of genes regulated in metatarsal explants exposed to hypoxia for 8 h.

Fold induction	Gene symbol	Gene name	Alternative name
8.4			sequence 1 from Patent WO0198497
4.9	2900006K08Rik		RIKEN cDNA 2900006K08 gene
4.5	Slc16a3	solute carrier family 16, member 3; monocarboxylate transporter 4	solute carrier family 16 (monocarboxylic acid transporters), member 3 (Slc16a3)
4.2	Hig1-pending	hypoxia induced gene 1	hypoxia induced gene 1 (Hig1)
4.0	2900016B01Rik		RIKEN cDNA 2900016B01 gene
4.0	Bnip3	BCL2/adenovirus E1B 19 kD-interacting protein 1, NIP3; BCL2/adenovirus E1B 19 kD-interacting protein 1, NIP3	BCL2/adenovirus E1B 19 kD-interacting protein 1, NIP3 (Bnip3)
3.8	Egln3	EGL nine homologue 3 ( <i>C. elegans</i> ) - data source:MGD, source key:MGI:1932288, evidence:ISS - putative	EGL nine homologue 3 ( <i>C. elegans</i> )
3.8	Slc2a1	glucose transporter 1	solute carrier family 2 (facilitated glucose transporter), member 1
3.8	Pfkp	phosphofructokinase, platelet; ATP:D-fructose 6-phosphate 1-phosphotransferase	phosphofructokinase, platelet (Pfkp)
3.8	2410006N06Rik	Zinc finger, C3HC4 type (RING finger) containing protein - data source:Pfam, source key:PF00097, evidence:ISS - putative	RIKEN cDNA 2410006N06 gene
3.7	2310056P07Rik	homologue to RAT GROWTH AND TRANSFORMATION-DEPENDENT (FRAGMENT) - putative - data source:SPTR, source key:Q63571, evidence:ISS	RIKEN cDNA 2310056P07 gene
3.6	Clybl	putative - related to PUTATIVE LYASE - data source:SPTR, source key:Q9ZBK3, evidence:ISS	citrate lyase β like
3.6	C630002M10Rik	Mouse 19.5 mRNA; hypothetical protein 19.5	RIKEN cDNA C630002M10 gene (C630002M10Rik)
3.5	Pgam1	phosphoglycerate mutase 1	phosphoglycerate mutase 1 (Pgam1)
3.5	Rora	RAR-related orphan receptor α	RAR-related orphan receptor α
3.4	Pygl	glycogen phosphorylase	liver glycogen phosphorylase
3.4	Pfkp	phosphofructokinase, platelet	phosphofructokinase, platelet
3.4	Arhgap5	Rho GTPase activating protein 5	Rho GTPase activating protein 5 (Arhgap5)

3.3	4921505C17Rik	putative - related to CG8002 PROTEIN - data source:SPTR, source key:Q9VWJ6, evidence:ISS	RIKEN cDNA 4921505C17 gene
3.3	Aldoc	aldolase 3, C isoform - data source:MGD, source key:MGI:101863, evidence:ISS - putative	aldolase 3, C isoform
3.3			env gene ORF starts at base 65; first start codon is found at 218.; putative; Mouse endogenous murine leukemia virus polytropic provirus DNA, complete cds
3.3	Zfp292	zinc finger protein 292	zinc finger protein 292 (Zfp292)
3.2	P4ha2	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), $\alpha$ II polypeptide	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), $\alpha$ II polypeptide (P4ha2)
3.2	P4ha1	prolyl 4-hydroxylase $\alpha$ (I)-subunit	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), $\alpha$ I polypeptide
3.2	C330008K14Rik	putative - related to MSF1 PROTEIN - data source:SPTR, source key:P35200, evidence:ISS	RIKEN cDNA C330008K14 gene
3.1	Selenbp1	selenium binding protein 1	selenium binding protein 1 (Selenbp1)
3	3110057O12Rik	Unknown (protein for IMAGE:4007705)	RIKEN cDNA 3110057O12 gene
2.9	Fmo2	flavin-containing monooxygenase 2	flavin containing monooxygenase 2 (Fmo2)
2.8	Sgcd	sarcoglycan, delta (dystrophin-associated glycoprotein); sarcoglycan, delta (35kD dystrophin-associated glycoprotein)	sarcoglycan, delta (dystrophin-associated glycoprotein) (Sgcd)
2.8	Gbe1	glucan (1,4- $\alpha$ -), branching enzyme 1	glucan (1,4- $\alpha$ -), branching enzyme 1 (Gbe1)
2.8	P4ha2		procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), $\alpha$ II polypeptide
2.8	Erol1	ERO1-like	ERO1-like ( <i>S. cerevisiae</i> ) (Erol1)
2.7	9230110M18Rik	Similar to rearranged L-myc fusion sequence	RIKEN cDNA 9230110M18 gene
2.7	Pilra	cell surface receptor FDF03	paired immunoglobulin-like type 2 receptor $\alpha$
2.7	Ppp1r3c	protein phosphatase 1 binding protein PTG	protein phosphatase 1, regulatory (inhibitor) subunit 3C
2.7	Colec12	collectin sub-family member 12	collectin sub-family member 12 (Colec12)

2.7	Dnchc2	cytoplasmic dynein heavy chain	dynein, cytoplasmic, heavy chain 2
2.7	Ndrl	N-myc downstream regulated-like	N-myc downstream regulated-like (Ndrl)
2.7	Ncoa1	nuclear receptor coactivator 1; SRC-a/NCoA-1; steroid receptor coactivator-1	nuclear receptor coactivator 1 (Ncoa1)
2.7	Tra1	tumor rejection antigen gp96; tumor rejection antigen (gp96) 1	tumor rejection antigen gp96 (Tra1)
2.6	P4ha1	Unknown (protein for MGC:6332)	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), $\alpha$ 1 polypeptide
2.6	Scgb1a1	secretoglobin, family 1A, member 1 (uteroglobin); uteroglobin; Blastokinin; clara cell secretory protein	secretoglobin, family 1A, member 1 (uteroglobin) (Scgb1a1)
2.6	Mif	macrophage migration inhibitory factor	macrophage migration inhibitory factor (Mif)
2.6	Egln3	EGL nine homologue 3	EGL nine homologue 3 ( <i>C. elegans</i> ) (Egln3)
2.5	Ly6g6e	putative - putative Ly-6 superfamily member - data source:MDG, source key:MGD:1917524, evidence:ISS	lymphocyte antigen 6 complex, locus G6E
2.5	Pfkfb3	inducible 6-phosphofructo-2-kinase	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3
2.5	Pbef1	pre-B-cell colony-enhancing factor 1	pre-B-cell colony-enhancing factor 1 (Pbef1)
2.5	Rev3l	REV3-like, catalytic subunit of DNA polymerase zeta RAD54 like	REV3-like, catalytic subunit of DNA polymerase zeta RAD54 like ( <i>S. cerevisiae</i> )
2.5	Tpi	triosephosphate isomerase	triosephosphate isomerase (Tpi)
2.5	Diap3	diaphanous homologue 3; diaphanous-related formin	diaphanous homologue 3 ( <i>Drosophila</i> ) (Diap3)
2.5	Mt2	metallothionein 2	metallothionein 2
2.5	Seh1l	homologue to SEC13-LIKE PROTEIN - putative - data source:SPTR, source key:Q9C069, evidence:ISS	SEH1-like ( <i>S. cerevisiae</i> )
2.5	Vegfa	vascular endothelial growth factor	vascular endothelial growth factor A (Vegfa)
2.5	1700126L10Rik	homologue to CLG01 (DJ453C12.5) (P53 RESPONSE ELEMENT) - putative - data source:S PTR, source key:Q9Y2B4, evidence:ISS	RIKEN cDNA 1700126L10 gene
2.5	Smc111	SMC1 structural maintenance of chromosomes 1-like 1; chromosome segregation protein SmcB; segregation of mitotic chromosomes b; SMC (segregation of mitotic chromosomes 1)-like 1 (yeast)	SMC (structural maintenance of chromosomes 1)-like 1 ( <i>S. cerevisiae</i> ) (Smc111)

2.5	Hk1	hexokinase 1	hexokinase 1
2.5	Akap9	AKAP450	A kinase (PRKA) anchor protein (yotiao) 9
2.4	Bcl2l1	Bcl2-like	Bcl2-like 1
2.4	Cwf19l2		CWF19-like 2, cell cycle control (S. pombe)
2.4	2610101N10Rik	RNA recognition motif. (a.k.a. RRM, RBD, or RNP domain) containing protein - data source:Pfam, source key:PF00076, evidence:ISS - putative	RIKEN cDNA 2610101N10 gene
2.4	Osmr	oncostatin M receptor; oncostatin receptor	oncostatin M receptor (Osmr)
2.4			
2.4	4930583H14Rik	RIKEN cDNA 4930583H14	RIKEN cDNA 4930583H14 gene (4930583H14Rik)
2.3	Cspg6	bamacan	chondroitin sulfate proteoglycan 6
2.3	Tfrc	transferrin receptor; mammary tumor virus receptor 1	transferrin receptor (Tfrc)
2.3	Xrcc4	XRCC4	X-ray repair complementing defective repair in Chinese hamster cells 4
2.3	Slc2a3	solute carrier family 2 (facilitated glucose transporter), member 3	solute carrier family 2 (facilitated glucose transporter), member 3 (Slc2a3)
2.3	Zfp71-rs1	Zfp73p	zinc finger protein 71, related sequence 1
2.3	Bhlhb3	basic helix-loop-helix domain containing, class B3; basic helix-loop-helix domain containing, class B, 2-like; basic helix-loop-helix domain containing, class B, 3	basic helix-loop-helix domain containing, class B3 (Bhlhb3)
2.3	Ccng2	cyclin G2	cyclin G2 (Ccng2)
2.3	Pgk1	phosphoglycerate kinase 1	phosphoglycerate kinase 1 (Pgk1)
2.3	L1Md-A1		L1 repeat, A subfamily, member 1
2.3	Pfkl	phosphofructokinase, liver, B-type	phosphofructokinase, liver, B-type (Pfkl)
2.3	Tloc1	homologue to TRANSLOCATIONAL PROTEIN-1 - putative - data source:SPTR, source key:Q99442, evidence:ISS	translocation protein 1
2.3	6720475J19Rik		RIKEN cDNA 6720475J19 gene
2.3	Egln1	EGLN1 protein	EGL nine homologue 1 ( <i>C. elegans</i> )
2.3	Pcm1	pericentriolar material 1	pericentriolar material 1 (Pcm1)
2.3	Zfml	zinc finger, matrin-like; nuclear protein 220	zinc finger, matrin-like (Zfml)

2.3	Usp15	deubiquitinating enzyme Usp15	ubiquitin specific protease 15
2.2	Opa1	large GTP binding protein	optic atrophy 1 homologue (human)
2.2	Vldlr	very low density lipoprotein receptor	very low density lipoprotein receptor
2.2	Cdv1	carnitine deficiency-associated gene expressed in ventricle 1	carnitine deficiency-associated gene expressed in ventricle 1 (Cdv1)
2.2	Tcf2	transcription factor 2; hepatocyte nuclear factor-1 β	transcription factor 2 (Tcf2)
2.2	5730592L21Rik	homologue to chinese hamster HT PROTEIN - putative - data source:SPTR, source key:Q60438, evidence:ISS	RIKEN cDNA 5730592L21 gene
2.2	4833435D08Rik	RIKEN cDNA 4833435D08	RIKEN cDNA 4833435D08 gene (4833435D08Rik)
2.2	Ifi30	interferon γ inducible protein 30; lysosomal thiol reductase IP30 precursor; lysosomal thio reductase IP30 precursor	interferon γ inducible protein 30 (Ifi30)
2.2	Plod2	procollagen lysine, 2-oxoglutarate 5-dioxygenase 2; lysyl hydroxylase 2	procollagen lysine, 2-oxoglutarate 5-dioxygenase 2 (Plod2)
2.2	BC016423	Similar to hypothetical protein FLJ20360	cDNA sequence BC016423
2.2	Ldh1	lactate dehydrogenase 1, A chain; lactate dehydrogenase-A	lactate dehydrogenase 1, A chain (Ldh1)
2.2	1200009K13Rik	PAI-1 mRNA-binding protein	RIKEN cDNA 1200009K13 gene (1200009K13Rik)
2.2	Bbx	HMG-BOX transcription factor BBX	bobby sox homologue ( <i>D. melanogaster</i> )
2.2	1200016B10Rik	homologue to CDNA FLJ20121 FIS, CLONE COL05942 - putative - data source:SPTR, source key:Q9NXQ0, evidence:ISS	RIKEN cDNA 1200016B10 gene
2.2	Zfp97	zinc finger protein 97	zinc finger protein 97 (Zfp97)
2.2	Gmnn	geminin	geminin (Gmnn)
2.2	Hk2	hexokinase 2	hexokinase 2 (Hk2)
2.2	Zfp386	Similar to Kruppel associated box (KRAB) zinc finger 1	zinc finger protein 386 (Kruppel-like)
2.2	Mkln1	muskelin 1, intracellular mediator containing kelch motifs	muskelin 1, intracellular mediator containing kelch motifs (Mkln1)
2.2	Ddit4	homologue to HYPOTHETICAL 25.4 KD PROTEIN - putative - data source:SPTR, source key:Q9H0S3, evidence:ISS	DNA-damage-inducible transcript 4
2.2	2310005N01Rik	homologue to CDNA FLJ11730 FIS, CLONE HEMBA1005403 - putative - data source:SPTR, source key:Q9HAF1, evidence:ISS	RIKEN cDNA 2310005N01 gene

2.2	Edil3	Dell minor splice variant	EGF-like repeats and discoidin I-like domains 3
2.2	Clcn3	chloride channel protein 3	chloride channel 3
2.2	Mt1	metallothionein 1	metallothionein 1 (Mt1)
2.2	Tgfb1	transforming growth factor, β induced; transforming growth factor, β induced, 68 kD	transforming growth factor, β induced (Tgfb1)
2.2	Rgs2	regulator of G-protein signaling 2	regulator of G-protein signaling 2 (Rgs2)
2.2	Sh3bgrl	SH3-binding domain glutamic acid-rich protein like	SH3-binding domain glutamic acid-rich protein like (Sh3bgrl)
2.2	Zfp40	zinc finger protein 40	zinc finger protein 40 (Zfp40)
2.2	Gpi1	glucose phosphate isomerase 1; glucose phosphate isomerase 1 complex; glucose phosphate isomerase 1, temporal; glucose phosphate isomerase 1, regulatory; glucose phosphate isomerase 1, structural; autocrine motility factor	glucose phosphate isomerase 1 (Gpi1)
2.2	1110020G09Rik		RIKEN cDNA 1110020G09 gene
2.2	Top2a	topoisomerase (DNA) II α; DNA Topoisomerase II α	topoisomerase (DNA) II α (Top2a)
2.2	9330161L09Rik		RIKEN cDNA 9330161L09 gene
2.2	2610101J03Rik	homologue to BA526K24.1 (A NOVEL PROTEIN) - putative - data source:SPTR, source key:Q9H501, evidence:ISS	RIKEN cDNA 2610101J03 gene
2.2	mszf33	mszf33	mRNA for mszf33, partial cds
2.2	2810468K05Rik	Unknown (protein for MGC:29021)	RIKEN cDNA 2810468K05 gene
2.2	Fgf2	fibroblast growth factor 2	fibroblast growth factor 2
2.2	Gadd45b	growth arrest and DNA-damage-inducible 45 β; myeloid differentiation primary response gene 118	growth arrest and DNA-damage-inducible 45 β (Gadd45b)
2.2	Dhx40	homologue to DJ616B8.1 (SIMILAR TO PRE-MRNA SPLICING RNA HELICASE) (FRAGMENT) - - data source:SPTR, source key:Q9H4H7, evidence:ISS	DEAH (Asp-Glu-Ala-His) box polypeptide 40
2.2	Piga	Pig-a precursor	phosphatidylinositol glycan, class A
2.1	Adn	adipsin; D component (adipsin) of complement	adipsin (Adn)
2.1	A930028L21Rik	homologue to HYPOTHETICAL 19.6 KD PROTEIN - putative - data source:S PTR, source key:Q9NW65, evidence:ISS	RIKEN cDNA A930028L21 gene
2.1		RIKEN cDNA 2810408B13	
2.1	Tnfsf9	tumor necrosis factor (ligand) superfamily, member 9; 4-1BB ligand	tumor necrosis factor (ligand) superfamily, member 9 (Tnfsf9)

2.1	Insm1	insulinoma-associated 1; insulinoma-associated protein (IA-1)	insulinoma-associated 1 (Insm1)
2.1	Pap20	peripheral benzodiazepine receptor associated protein; PBR associated protein; PAP20	PBR associated protein; PAP20; peripheral benzodiazepine receptor associated protein (Pap20) mRNA, partial cds
2.1	Ggt1	glycoprotein galactosyltransferase $\alpha$ 1, 3	glycoprotein galactosyltransferase $\alpha$ 1, 3
2.1	Fgf11	fibroblast growth factor 11	fibroblast growth factor 11 (Fgf11)
2.1	Zim1	zinc finger, imprinted 1	zinc finger, imprinted 1 (Zim1)
2.1	Zfp101	zinc finger protein 101	zinc finger protein 101 (Zfp101)
2.1	Zfp292	zinc finger protein 292	zinc finger protein 292
2.1	Atp7a	ATPase, Cu <sup>++</sup> transporting, $\alpha$ polypeptide; Menkes protein; DNA segment, Chr X, 1608 expressed	ATPase, Cu <sup>++</sup> transporting, $\alpha$ polypeptide (Atp7a)
2.1	1810063P04Rik	RIKEN cDNA 1810063P04	RIKEN cDNA 1810063P04 gene
2.1	Polk	polymerase (DNA directed), kappa; DinB homologue 1 (E. coli); DNA damage-inducible protein b; DNA damage-inducible protein b; polymerase (DNA directed) kappa	polymerase (DNA directed), kappa (Polk)
2.1	Hmg20a	high mobility group 20A	high mobility group 20A (Hmg20a)
2.1	Trps1	zinc finger transcription factor TRPS1	trichorhinophalangeal syndrome I (human) (Trps1)
2.1	1600021C16Rik	homologue to CDNA FLJ10997 FIS, CLONE PLACE1002438, WEAKLY SIMILAR TO ZINC FINGER - data source:SPTR, source key:Q9NV14, evidence:ISS	RIKEN cDNA 1600021C16 gene
2.1	Acbd5	homologue to ENDOZEPINE-RELATED PROTEIN PRECURSOR (MEMBRANE-ASSOCIATED DIAZEPAM - data source:SPTR, source key:P07106, evidence:ISS	acyl-Coenzyme A binding domain containing 5
2.1	Epn3	Unknown (protein for MGC:25634)	epsin 3
2.1	Zfp265	ZFP265	zinc finger protein 265
2.1	Stag2	stromal antigen 2; nuclear protein SA2	stromal antigen 2 (Stag2)
2.1	Luc7l2	Unknown (protein for IMAGE:3593038)	LUC7-like 2 ( <i>S. cerevisiae</i> )
2.1	Atp11b	putative amphipath transporter	ATPase, Class VI, type 11B
2.1	Skil	SKI-like	SKI-like
2.1	Eno2	enolase 2, $\gamma$ neuronal	enolase 2, $\gamma$ neuronal (Eno2)
2.1	Epm2a	laforin	epilepsy, progressive myoclonic epilepsy, type 2 gene $\alpha$ (Epm2a)

2.1	Cox7a1	cytochrome c oxidase, subunit VIIa 1; cytochrome c oxidase subunit VIIa 1	cytochrome c oxidase, subunit VIIa 1 (Cox7a1)
2.1	Bnip3l	BCL2/adenovirus E1B 19 kD-interacting protein 3-like	BCL2/adenovirus E1B 19 kD-interacting protein 3-like
2.1	Gapd	similar to glyceraldehyde-3-phosphate dehydrogenase	similar to glyceraldehyde-3-phosphate dehydrogenase (LOC14433)
2.1	Cox4i2	cytochrome c oxidase subunit IV isoform 2 precursor; Cox IV-2; cytochrome c oxidase, subunit IVb	cytochrome c oxidase subunit IV isoform 2 (Cox4i2)
2	Jmy	junction-mediating and regulatory protein	junction-mediating and regulatory protein
2	Pptrz1	protein tyrosine phosphate, receptor type, Z	protein tyrosine phosphatase, receptor type, Z polypeptide 1
2	Rabep1	rabaptin, RAB GTPase binding effector protein 1; rabaptin 5; neurocrescin; RAB5 effector protein	rabaptin, RAB GTPase binding effector protein 1 (Rabep1)
2		RIKEN cDNA 6720475J19	
2	Ssty1	spermiogenesis gene	spermiogenesis specific transcript on the Y 1 (Ssty1)
2	Sgol2	DNA segment, Chr 1, ERATO Doi 8, expressed	shugoshin-like 2 ( <i>S. pombe</i> )
2	Mbtd1	Similar to hypothetical protein FLJ20055	mbt domain containing 1
2	C530009C10Rik	ADP-ribosylation factor family containing protein - data source:Pfam, source key:PF00025, evidence:ISS - putative	RIKEN cDNA C530009C10 gene
2	C430039G02Rik	KRAB box containing protein - data source:Pfam, source key:PF01352, evidence:ISS - putative	zinc finger protein 422, related sequence 1
2	Srp54	putative - signal recognition particle 54 kD - data source:MGD, source key:MGI:1346087, evidence:ISS	signal recognition particle 54
2	4921513D11Rik		RIKEN cDNA 4921513D11 gene
2	1110020G09Rik		RIKEN cDNA 1110020G09 gene
2	B230342M21Rik; AI428195	dM417G6.5 (novel protein (ortholog of human androgen-induced prostate proliferative shutoff associated protein AS3 (KIAA0979)))	Mouse DNA sequence from clone RP21-417G6 on chromosome 5, complete sequence
2	D2Ertd145e	homologue to CDNA FLJ10599 FIS, CLONE NT2RP2004959 (FRAGMENT) - putative - data source:SPTR, source key:Q9NVP5, evidence:ISS	DNA segment, Chr 2, ERATO Doi 145, expressed
2	6720487G11Rik	mszf89	RIKEN cDNA 6720487G11 gene

2	Adam4	ADAM 4 protein precursor	a disintegrin and metalloprotease domain 4
2	Pou2f1	POU domain, class 2, transcription factor 1 isoform A; POU domain, class 2, transcription factor 1 isoform Z; POU domain, class 2, transcription factor 1 isoform L; POU domain, class 2, transcription factor 1 isoform ra	POU domain, class 2, transcription factor 1
2	Fabp5	fatty acid binding protein 5, epidermal; keratinocyte lipid binding protein; Fabpe E-FABP; Unknown Klbp, keratinocyte lipid binding protein	fatty acid binding protein 5, epidermal (Fabp5)
2	Abhd4	Similar to hypothetical protein FLJ12816	abhydrolase domain containing 4
2	Zfp260	zinc finger protein 260	zinc finger protein 260 (Zfp260)
2	1700030E05Rik	D3Mm3e protein	RIKEN cDNA 1700030E05 gene (1700030E05Rik)
2	Jmjd2c	Similar to gene amplified in squamous cell carcinoma 1	jumonji domain containing 2C
2	Nucb2	nucleobindin 2; DNA-binding protein NEFA precursor	nucleobindin 2 (Nucb2)
2	Chm	choroideremia; choroideremia	choroideremia (Chm)
2	Ubr1	ubiquitin protein ligase E3 component n-recognition 1; ubiquitin-protein ligase e3 component n-recognition; E3 $\alpha$	ubiquitin protein ligase E3 component n-recognition 1 (Ubr1)
2	Nktr	natural killer tumor recognition	natural killer tumor recognition sequence (Nktr)
2	Clk	CDC-like kinase	CDC-like kinase (Clk)
2	4933426L22Rik	homologue to KARP-1-BINDING PROTEIN 1 (KAB1) - putative - data source:SPTR, source key:Q9UQ09, evidence:ISS	RIKEN cDNA 4933426L22 gene
2	B930025B03	soluble guanylyl cyclase $\beta$ 2 subunit	hypothetical protein B930025B03
2	Esm1	endothelial cell-specific molecule 1	endothelial cell-specific molecule 1 (Esm1)
2	Zfp397	RIKEN cDNA 2810411K16 gene	zinc finger protein 397
2	Slc1a2	solute carrier family 1, member 2	solute carrier family 1 (glial high affinity glutamate transporter), member 2
2	Zfx	zinc finger protein X-linked; zinc finger protein X-linked 5; zinc finger protein X-linked 6	zinc finger protein X-linked (Zfx)
2	Ednrb	endothelin receptor type B; piebald	endothelin receptor type B (Ednrb)
2	5830426I05Rik	Unknown (protein for MGC:7644)	RIKEN cDNA 5830426I05 gene

2	3110009E22Rik	putative - related to GAG PROTEIN - data source:SPTR, source key:Q9WLL1, evidence:ISS	RIKEN cDNA 3110009E22 gene
2	Rpl4	homologue to 60S RIBOSOMAL PROTEIN L4 (L1) - putative - data source:SPTR, source key:P50878, evidence:ISS	ribosomal protein L4
2	Prc1	Similar to protein regulator of cytokinesis 1	protein regulator of cytokinesis 1
2	2500001H09Rik	homologue to PRE-MRNA CLEAVAGE COMPLEX II PROTEIN PCF11 (FRAGMENT) - putative - data source:SPTR, source key:O94913, evidence:ISS	RIKEN cDNA 2500001H09 gene
2	6330411I15Rik		RIKEN cDNA 6330411I15 gene
2	3110002L15Rik	homologue to KIAA0092 PROTEIN - putative - data source:SPTR, source key:Q14704, evidence:ISS	RIKEN cDNA 3110002L15 gene
2	Tde2	tumor differentially expressed 2; membrane protein TMS-2; tumor differentially expressed 1, like	tumor differentially expressed 2 (Tde2)
2	Rock2	Rho-associated coiled-coil forming kinase 2; Rho-associated coiled-coil forming kinase 2	Rho-associated coiled-coil forming kinase 2 (Rock2)
2	2900057D21Rik	homologue to ADAPTOR PROTEIN APPL - putative - data source:SPTR, source key:Q9UKG1, evidence:ISS	RIKEN cDNA 2900057D21 gene
2	Tax1bp1	Tax1 binding protein 1 homologue; TRAF6-binding protein homologue	Tax1 (human T-cell leukemia virus type I) binding protein 1 (Tax1bp1)
2	Cyct	cytochrome c, testis	cytochrome c, testis (Cyct)
2	Ogn	osteoglycin	osteoglycin (Ogn)
2	Pign	phosphatidylinositol glycan, class N	phosphatidylinositol glycan, class N (Pign)
1.9	Ccdc2	homologue to CDNA FLJ13645 FIS, CLONE PLACE1011310, WEAKLY SIMILAR TO MYOSIN HEAVY - data source:SPTR, source key:Q9H8G7, evidence:ISS	coiled-coil domain containing 2
1.9	Birc2	baculoviral IAP repeat-containing 2; apoptosis inhibitor 2; baculoviral IAP repeat-containing 3	baculoviral IAP repeat-containing 2 (Birc2)
1.9	Ttk	Ttk protein kinase	Ttk protein kinase (Ttk)
1.9	Nt5e	5' nucleotidase, ecto; ecto-5'-nucleotidase	5' nucleotidase, ecto (Nt5e)
1.9	Col25a1	collagen-like Alzheimer amyloid plaque component precursor	procollagen, type XXV, $\alpha$ 1 (Col25a1), transcript variant 1
1.9	Sec63	Similar to SEC63 protein	SEC63-like ( <i>S. cerevisiae</i> )
1.9	Phf3		PHD finger protein 3

1.9	Prps1	phosphoribosyl pyrophosphate synthetase 1 - putative - data source:MGD, source key:MGI:97775, evidence:ISS	phosphoribosyl pyrophosphate synthetase 1
1.9	Top2b	topoisomerase (DNA) II β	topoisomerase (DNA) II β (Top2b)
1.9	Prh1	proline rich protein HaeIII subfamily 1	proline rich protein HaeIII subfamily 1 (Prh1)
1.9	Orc3l	origin of replication 3 homologue ( <i>S. cerevisiae</i> )	origin recognition complex, subunit 3-like ( <i>S. cerevisiae</i> ) (Orc3l)
1.9	Ube1c	ubiquitin-activating enzyme E1C; ubiquitin activating enzyme 3; EST AI256736	ubiquitin-activating enzyme E1C (Ube1c)
1.9	Hk1	hexokinase 1	hexokinase 1
1.9	2810413I22Rik	RIKEN cDNA 2810413I22	RIKEN cDNA 2810413I22 gene
1.9	Map1lc3b	microtubule-associated protein 1 light chain 3 β	microtubule-associated protein 1 light chain 3 β (Map1lc3b)
1.9	Zbtb33	kaiso protein; zinc finger transcription factor Kaiso	zinc finger and BTB domain containing 33 (Zbtb33)
1.9	Ogt	UDP-N-acetylglucosaminyltransferase	O-linked N-acetylglucosamine (GlcNAc) transferase (UDP-N-acetylglucosamine:polypeptide-N-acetylglucosaminyl transferase)
1.9	Vbp1	putative - von Hippel-Lindau binding protein 1 - data source:MGD, source key:MGI:1333804, evidence:ISS	von Hippel-Lindau binding protein 1
1.9	Dmtf1	cyclin D binding myb-like transcription factor 1D-interacting myb-like protein; D-interacting myb-like protein	cyclin D binding myb-like transcription factor 1 (Dmtf1)
1.9	Asph	aspartyl β-hydroxylase	aspartate-β-hydroxylase
1.9	BC003331	Similar to hypothetical protein FLJ20505	cDNA sequence BC003331
1.9	Cenpf	LEK1	centromere autoantigen F
1.9	Gfpt1	glutamine fructose-6-phosphate transaminase	glutamine fructose-6-phosphate transaminase 1
1.9	Cpne3	homologue to COPINE III - putative - data source:SPTR, source key:O75131, evidence:ISS	copine III
1.9	Kif20b	kinesin superfamily protein 20B	kinesin family member 20B
1.9	Clk4	cdc2/CDC28-like kinase 4	CDC like kinase 4
1.9	Rbm5	RNA binding motif protein 5	RNA binding motif protein 5
1.9	3830421F13Rik	putative 40-2-3 protein	RIKEN cDNA 3830421F13 gene
1.9	Zcchc11	developmental control protein	zinc finger, CCHC domain containing 11
1.9	Spnb2	spectrin β 2 isoform 2; spectrin β 2 isoform 1	spectrin β 2

1.9	Bmpr2	bone morphogenic protein receptor, type II (serine/threonine kinase)	bone morphogenic protein receptor, type II (serine/threonine kinase) (Bmpr2)
1.9	Rock1	Rho-associated coiled-coil forming kinase 1	Rho-associated coiled-coil forming kinase 1 (Rock1)
1.9	Wdr35	WD domain, G- $\beta$ repeat containing protein - data source:Pfam, source key:PF00400, evidence:ISS - putative	WD repeat domain 35
1.9	Fgfl	fibroblast growth factor 1	fibroblast growth factor 1
1.9	Grhpr	glyoxylate reductase/hydroxypyruvate reductase	glyoxylate reductase/hydroxypyruvate reductase (Grhpr)
1.9	Akap9	homologue to CENTROSOME-AND GOLGI-LOCALIZED PKN-ASSOCIATED PROTEIN (CG-NAP) - pu - data source:SPTR, source key:Q9Y6Y2, evidence:ISS	A kinase (PRKA) anchor protein (yotiao) 9
1.9	Ttn	homologue to TITIN, HEART ISOFORM N2-B (EC 2.7.1.-) (CONNECTIN) - putative - data source:SPTR, source key:Q10466, evidence:ISS	titin
1.9	Smc211	homologue to CHROMOSOME-ASSOCIATED PROTEIN-E - putative - data source:SPTR, source key:O95347, evidence:ISS	SMC2 structural maintenance of chromosomes 2-like 1 (yeast)
1.9	Hk1	hexokinase 1; downeast anemia	hexokinase 1 (Hk1)
1.9	Dst	bullous pemphigoid antigen 1-b	dystonin
1.9	Usp53	Unknown (protein for IMAGE:4236151)	ubiquitin specific protease 53
1.9	Cpne8	copine family member	copine VIII
1.9	Fmr1	fragile X mental retardation protein 1	fragile X mental retardation syndrome 1 homologue
1.9	Eno2	Similar to enolase 2, $\gamma$ neuronal	enolase 2, $\gamma$ neuronal
1.9	Psmb8	proteosome (prosome, macropain) subunit, $\beta$ type 8 (large multifunctional protease 7); large multifunctional protease 7	proteosome (prosome, macropain) subunit, $\beta$ type 8 (large multifunctional protease 7) (Psmb8)
1.9	Lman1	homologue to P58 - putative - data source:SPTR, source key:Q62902, evidence:ISS	lectin, mannose-binding, 1
1.9	Rdx	radixin	radixin (Rdx)
1.9	Spnb2	spectrin $\beta$ 2 isoform 2; $\beta$ -spectrin 2, non-erythrocytic; $\beta$ fodrin; spectrin G; brain spectrin; non-erythrocytic	spectrin $\beta$ 2 (Spnb2), transcript variant 2

1.9	Ppil4	homologue to DJ12G14.1 (NOVEL CYCLOPHILIN TYPE PEPTIDYL-PROLYL CIS-TRANS ISOME - data source:SPTR, source key:Q9NU54, evidence:ISS	peptidylprolyl isomerase (cyclophilin)-like 4
1.9	Sf3b1	splicing factor 3b, subunit 1; splicing factor 3b, subunit 1, 155 kD; transforming growth factor $\alpha$ regulated gene 4	splicing factor 3b, subunit 1 (Sf3b1)
1.9	2600014C01Rik	homologue to KIAA0336, GRIP domain and Spectrin motif containing protein - putat - data source:SPTR, source key:O15045, evidence:ISS	RIKEN cDNA 2600014C01 gene
1.9	D14Ab1e	homologue to RETINOBLASTOMA-ASSOCIATED PROTEIN RAP140 - putative - data source:SPTR, source key:Q9UK61, evidence:ISS	DNA segment, Chr 14, Abbott 1 expressed
1.9	Asb3	ANKYRIN REPEAT-CONTAINING PROTEIN ASB-3 (FRAGMENT) - data source:SPTR, source key:Q9WV72, evidence:ISS - putative	ankyrin repeat and SOCS box-containing protein 3
1.9	2900055J20Rik		RIKEN cDNA 2900055J20 gene
1.9			eukaryotic translation initiation factor 2, subunit 3, structural gene Y-linked (MGD MGI:1349430, GB NM_012011, evidence: BLASTN, 99%, match=1759) putative; 10 days embryo whole body cDNA, RIKEN full-length enriched library, clone:2610529D04 product:eukar
1.9	Tpr		translocated promoter region
1.9	AF155546	Similar to DKFZP564C186 protein	cDNA sequence AF155546
1.9	mszf88	mszf88	mRNA for mszf88, partial cds
1.9	Zfa	zinc finger autosomal protein	zinc finger protein, autosomal (Zfa)
1.9	2310032M22Rik	homologue to POLYBROMO-1 - putative - data source:SPTR, source key:Q9H2T5, evidence:ISS	RIKEN cDNA 2310032M22 gene
1.9	2610204L23Rik	adipocyte-specific protein 4	RIKEN cDNA 2610204L23 gene
1.9	Mmab	Protein of unknown function DUF80 containing protein - data source:Pfam, source key:PF01923, evidence:ISS - putative	methylmalonic aciduria (cobalamin deficiency) type B homologue (human)
1.8	Hspea	heat shock protein 1, $\alpha$	heat shock protein 1, $\alpha$

1.8	Eif1a	eukaryotic translation initiation factor 1A - putative - data source:MGD, source key:MGI:95298, evidence:ISS	eukaryotic translation initiation factor 1A
1.8	4833425H18Rik	RIKEN cDNA 4833425H18	RIKEN cDNA 4833425H18 gene
1.8	4930461P20Rik		RIKEN cDNA 4930461P20 gene
1.8	Apaf1l	apoptotic protease activating factor 1; forebrain overgrowth	apoptotic protease activating factor 1 (Apaf1)
1.8	2310043D08Rik	homologue to AF15Q14 PROTEIN - putative - data source:SPTR, source key:Q9NR92, evidence:ISS	RIKEN cDNA 2310043D08 gene
1.8	Bnip3l	BCL2/adenovirus E1B 19 kD-interacting protein 3-like; BCL2/adenovirus E1B 19 kD-interacting protein 3-like	BCL2/adenovirus E1B 19 kD-interacting protein 3-like (Bnip3l)
1.8	Zfp260	zinc finger protein	zinc finger protein 260
1.8	1200006O19Rik	intracellular membrane-associated calcium-independent phospholipase A2 $\gamma$	RIKEN cDNA 1200006O19 gene (1200006O19Rik)
1.8	Mef2a	myocyte enhancer factor 2A	myocyte enhancer factor 2A (Mef2a), transcript variant 1
1.8	Prkr	protein kinase, interferon-inducible double stranded RNA dependent; protein kinase, interferon inducible double stranded RNA dependent; T-cell viral integration site; eukaryotic translation initiation factor 2 $\alpha$ kinase 2; eIF-2 $\alpha$ ; dsRNA-activated	protein kinase, interferon-inducible double stranded RNA dependent (Prkr)
1.8	Clk4	CDC like kinase 4	CDC like kinase 4 (Clk4)
1.8	Soat1	sterol O-acyltransferase 1; adrenocortical lipid depletion	sterol O-acyltransferase 1 (Soat1)
1.8	Ddx10	homologue to PROBABLE ATP-DEPENDENT RNA HELICASE DDX10 (DEAD-BOX PROTEIN 10) - p - data source:SPTR, source key:Q13206, evidence:ISS	DEAD (Asp-Glu-Ala-Asp) box polypeptide 10
1.8	Rnf7	putative - ring finger protein 7 - data source:MGD, source key:MGI:1337096, evidence:ISS	ring finger protein 7
1.8	Zfp62	zinc finger protein	zinc finger protein 62
1.8	Shprh	Unknown (protein for IMAGE:3596125)	SNF2 histone linker PHD RING helicase
1.8	9630005B12Rik	hematopoietic, heart, liver	RIKEN cDNA 9630005B12 gene (9630005B12Rik)
1.8	Art5	NAD(P)(+)--arginine ADP-ribosyltransferase	ADP-ribosyltransferase 5

1.8	Atp11b	homologue to POTENTIAL PHOSPHOLIPID-TRANSPORTING ATPASE IR (EC 3.6.3.13) (FRAG - data source:SPTR, source key:Q9Y2G3, evidence:ISS	ATPase, Class VI, type 11B
1.8	2700017M01Rik	Similar to protein phosphatase methylesterase-1	RIKEN cDNA 2700017M01 gene
1.8	Lin7c	lin 7 homologue c; vertebrate homologue of <i>C. elegans</i> Lin-7 type 3	lin 7 homologue c ( <i>C. elegans</i> ) (Lin7c)
1.8	4930500N14Rik	CUB domain containing protein - data source:Pfam, source key:PF00431, evidence:ISS - putative	RIKEN cDNA 4930500N14 gene
1.8	3110018I06Rik		RIKEN cDNA 3110018I06 gene
1.8	Sema3a	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3A; sema III; collapsin-1; semaphorin III	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3A (Sema3a)
1.8	Cach-pending	cytosolic acetyl-CoA hydrolase	cytosolic acetyl-CoA hydrolase (Cach)
1.8	Dek	DEK oncogene (DNA binding)	DEK oncogene (DNA binding)
1.8	Gmfb	glia maturation factor, β	glia maturation factor, β (Gmfb)
1.8	Psip1	lens epithelium-derived growth factor	PC4 and SFRS1 interacting protein 1
1.8	2410005K20Rik	homologue to PBK1 PROTEIN - putative - data source:SPTR, source key:O76021, evidence:ISS	RIKEN cDNA 2410005K20 gene
1.8	LOC224598	Unknown (protein for MGC:29357)	similar to zinc finger protein 40
1.8	4931417G12Rik		RIKEN cDNA 4931417G12 gene
1.8	Mlh1	MutL homologue 1 protein	mutL homologue 1 ( <i>E. coli</i> )
1.8	Cflar	CASP8 and FADD-like apoptosis regulator isoform 2; caspase homologue	CASP8 and FADD-like apoptosis regulator (Cflar), transcript variant 2
1.8	Ank3	ankyrin 3, epithelial isoform g; ankyrin 3, epithelial isoform b; ankyrin 3, epithelial isoform f; ankyrin 3, epithelial isoform c; ankyrin 3, epithelial isoform d; ankyrin 3, epithelial isoform e; ankyrin 3, epithelial isoform a; ankyrin 3, epithelial is	ankyrin 3, epithelial
1.8	A230052E19Rik	sodium channel	RIKEN cDNA A230052E19 gene
1.8	Armcx1	homologue to ALEX1 (ALEX1 PROTEIN) - putative - data source:SPTR, source key:Q9P291, evidence:ISS	armadillo repeat containing, X-linked 1
1.8	Mpp5	membrane protein, palmitoylated 3 (MAGUK p55 subfamily member 5); protein associated with Lin-7	membrane protein, palmitoylated 5 (MAGUK p55 subfamily member 5) (Mpp5)

1.8	2600006K01Rik		RIKEN cDNA 2600006K01 gene
1.8	Decr1	2,4-dienoyl CoA reductase 1, mitochondrial	2,4-dienoyl CoA reductase 1, mitochondrial (Decr1)
1.8	A430107J06Rik	putative - related to PUTATIVE VESICULAR TRANSPORT PROTEIN - data source:SPTR, source key:Q9P6P8, evidence:ISS	RIKEN cDNA A430107J06 gene
1.8	Akap9	A kinase (PRKA) anchor protein (yotiao) 9	A kinase (PRKA) anchor protein (yotiao) 9
1.8	Peg3	paternally expressed 3	paternally expressed 3
1.8	Pou2f2	POU domain, class 2, transcription factor 2	POU domain, class 2, transcription factor 2
1.8	AW610627	mszf50	expressed sequence AW610627
1.8	mszf90	mszf90	mRNA for mszf90, partial cds
1.8	Xpo1	Similar to exportin 1 (CRM1, yeast, homologue)	exportin 1, CRM1 homologue (yeast)
1.8	Kif18a	Similar to hypothetical protein DKFZp434G2226	kinesin family member 18A
1.8	9130002C22Rik	very large inducible GTPase 1	RIKEN cDNA 9130002C22 gene
1.8			
1.8	Taf15	TATA box binding protein (TBP)-associated factor, RNA polymerase II, N, 68kD (RNA binding protein 56) - data source:MGD, source	TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor
1.8	Tcrg-V2	γ-subunit	T-cell receptor γ, variable 2
1.8	2610036F08Rik	2610036F08Rik protein	RIKEN cDNA 2610036F08 gene
1.8	Mfap1	microfibrillar-associated protein 1	microfibrillar-associated protein 1 (Mfap1)
1.8	Zfp9	KRAB box containing protein - data source:Pfam, source key:PF01352, evidence:ISS - putative	zinc finger protein 9
1.8	Pla2g7	phospholipase A2 group VII (platelet-activating factor acetylhydrolase, plasma); PAF acetylhydrolase	phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma) (Pla2g7)
1.8	Cdh1	cadherin 1	cadherin 1 (Cdh1)
1.8	Bcor	homologue to BCL-6 COREPRESSOR - putative - data source:SPTR, source key:Q9H233, evidence:ISS	Bcl6 interacting corepressor
1.8	B230342M21Rik; AI428195	dM417G6.4 (novel protein)	Mouse DNA sequence from clone RP21-417G6 on chromosome 5, complete sequence
1.8	3000004N20Rik	homologue to KIAA0765 PROTEIN (HRIHFB2091 PROTEIN) (FRAGMENT) - putative - data source:SPTR, source key:O94865, evidence:ISS	RIKEN cDNA 3000004N20 gene

1.8	Dnajc7	DnaJ (Hsp40) homologue, subfamily C, member 7; tetratricopeptide repeat domain 2; DnaJ homologue	DnaJ (Hsp40) homologue, subfamily C, member 7 (Dnajc7)
1.8	AA175286		EST AA175286
1.8	4933414I06Rik	Early Protein (E6) containing protein - data source:Pfam, source key:PF00518, evidence:ISS - putative	RIKEN cDNA 4933414I06 gene
1.8	L1Md-A3		L1 repeat, A subfamily, member 3
1.8	2610529H08Rik	RIKEN cDNA 2610529H08	RIKEN cDNA 2610529H08 gene (2610529H08Rik)
1.8	Vldlr	very low density lipoprotein receptor	very low density lipoprotein receptor (Vldlr)
1.8	Postn	osteoblast specific factor 2 (fasciclin I-like)	periostin, osteoblast specific factor (Postn)
1.8	Mgea5	meningioma expressed antigen 5 (hyaluronidase)	meningioma expressed antigen 5 (hyaluronidase) (Mgea5)
1.8	Mll3	MLL3-like protein	myeloid/lymphoid or mixed-lineage leukemia 3
1.8	Serpine2	serine (or cysteine) proteinase inhibitor, clade E, member 2; serine protease inhibitor 4; protease nexin 1; serine (or cysteine) proteinase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 2	serine (or cysteine) proteinase inhibitor, clade E, member 2 (Serpine2)
1.8	Scfd1	homologue to VESICLE TRANSPORT-RELATED PROTEIN - putative - data source:SPTR, source key:Q9BZI3, evidence:ISS	sec1 family domain containing 1
1.8	2810458H16Rik		RIKEN cDNA 2810458H16 gene
1.8	Wdr4	WD repeat domain 4; WD40 repeat protein 4	WD repeat domain 4 (Wdr4)
1.8	Usp9x	ubiquitin specific protease 9, X chromosome; fats facets protein related, X; EST AA407302	ubiquitin specific protease 9, X chromosome (Usp9x)
1.8		cytochrome b	cytochrome b gene, partial cds; mitochondrial gene for mitochondrial product
1.8	Itpr1	inositol 1,4,5-triphosphate receptor 1; InsP3R type I; Purkinje cell protein 1; opisthotonus; InsP>3<R type I	inositol 1,4,5-triphosphate receptor 1 (Itpr1)
1.8	Cope	epsilon subunit of coatomer protein complex; nonclathrin coat protein epsilon-COP	coatomer protein complex, subunit epsilon (Cope)
1.8	2610529C04Rik	implantation-associated protein; RIKEN cDNA 2410001C15 gene	RIKEN cDNA 2610529C04 gene (2610529C04Rik)

1.8	Psg30	putative - similar to CARCINOEMBRYONIC ANTIGEN 2 (PREGNANCY-SPECIFIC GLYCOPROTEIN) - data source:SPTR, source key:Q62056, evidence:ISS	pregnancy-specific glycoprotein 30
1.8	Zhx1	zinc fingers and homeoboxes protein 1	zinc fingers and homeoboxes protein 1 (Zhx1)
1.8	Rabep1	rabaptin, RAB GTPase binding effector protein 1	rabaptin, RAB GTPase binding effector protein 1
1.8	4921505C17Rik	Unknown (protein for IMAGE:4012732)	RIKEN cDNA 4921505C17 gene
1.8	Zfp120	zinc finger protein 120 isoform 2; zinc finger protein 120 isoform 1; zinc finger protein 120 isoform 3	zinc finger protein 120
1.8	Zfp131	homologue to ZINC FINGER PROTEIN 131 (FRAGMENT) - putative - data source:SPTR, source key:P52739, evidence:ISS	zinc finger protein 131
1.8		axonemal dynein heavy chain	region surrounding P-loop 1; mRNA for axonemal dynein heavy chain (partial, ID mdhc2)
1.8	3230402G14Rik	homologue to LINE-1 ELEMENT ORF2 - putative - data source:SPTR, source key:O62658, evidence:ISS	RIKEN cDNA 3230402G14 gene
1.8	2810423G08Rik	homologue to HYPOTHETICAL PROTEIN KIAA1218 (FRAGMENT) - putative - data source:SPTR, source key:Q9ULK2, evidence:ISS	RIKEN cDNA 2810423G08 gene
1.8	2900057D21Rik	Similar to adaptor protein containing pH domain, PTB domain and leucine zipper motif	RIKEN cDNA 2900057D21 gene
1.7	Gabre	$\gamma$ -aminobutyric acid (GABA-A) receptor, subunit epsilon	$\gamma$ -aminobutyric acid (GABA-A) receptor, subunit epsilon (Gabre)
1.7	1700013H19Rik	RIKEN cDNA 1700013H19	RIKEN cDNA 1700013H19 gene
1.7	Asph	aspartyl $\beta$ -hydroxylase	aspartate- $\beta$ -hydroxylase
1.7	Lrp12	suppression of tumorigenicity 7	low density lipoprotein-related protein 12
1.7	Smc511	Similar to CG7783 gene product	SMC5 structural maintenance of chromosomes 5-like 1 (yeast)
1.7	Cipp	channel-interacting PDZ domain protein	channel-interacting PDZ domain protein
1.7	Mtmr6	Unknown (protein for MGC:27983)	myotubularin related protein 6
1.7	Jarid1b	homologue to PLU-1 PROTEIN - putative - data source:SPTR, source key:Q9Y3Q5, evidence:ISS	jumonji, AT rich interactive domain 1B (Rbp2 like)
1.7	Sdc4	syndecan 4	syndecan 4 (Sdc4)

1.7	Birc4	baculoviral IAP repeat-containing 4; apoptosis inhibitor 3; X-linked inhibitor of apoptosis	baculoviral IAP repeat-containing 4 (Birc4)
1.7		procollagen, type V, $\alpha$ 1 - putative - data source:MGD, source key:MGI:88457, evidence:ISS	10, 11 days embryo whole body cDNA, RIKEN full-length enriched library, clone:2810430I11 product:procollagen, type V, $\alpha$ 1, full insert sequence
1.7	1300006M19Rik	homologue to INSULIN RECEPTOR TYROSINE KINASE SUBSTRATE - putative - data source:SPTR, source key:Q9UHR4, evidence:ISS	RIKEN cDNA 1300006M19 gene
1.7	6530403M18Rik		RIKEN cDNA 6530403M18 gene
1.7	Epha4	Eph receptor A4	Eph receptor A4 (Epha4)
1.7	Cdc27	Similar to cell division cycle 27	cell division cycle 27 homologue ( <i>S. cerevisiae</i> )
1.7	3830421F13Rik	putative 40-2-3 protein	RIKEN cDNA 3830421F13 gene
1.7	Per2	period homologue 2; period 2	period homologue 2 ( <i>D. melanogaster</i> ) (Per2)
1.7	Cdc40	homologue to PRE-MRNA SPLICING FACTOR - putative - data source:S PTR, source key:O60508, evidence:ISS	cell division cycle 40 homologue (yeast)
1.7	Runx1	CBFA2	runt related transcription factor 1
1.7	Dst	bullous pemphigoid antigen 1-e	dystonin
1.7	Smpd13a	acid sphingomyelinase-like phosphodiesterase 3a	sphingomyelin phosphodiesterase, acid-like 3A (Smpd13a)
1.7	Catna1	catenin $\alpha$ 1; $\alpha$ E catenin; $\alpha$ (E)-catenin	catenin $\alpha$ 1 (Catna1)
1.7	Prpf4b	PRP4 pre-mRNA processing factor 4 homologue B	PRP4 pre-mRNA processing factor 4 homologue B (yeast)
1.7	Cebpz	CCAAT/enhancer binding protein zeta; CCAAT/enhancer binding protein $\alpha$ (C/EBP), related sequence 1	CCAAT/enhancer binding protein zeta (Cebpz)
1.7	Trpc1	transient receptor potential cation channel, subfamily C, member 1; transient receptor protein 1	transient receptor potential cation channel, subfamily C, member 1 (Trpc1)
1.7	Copb1	coatomer protein complex, subunit $\beta$ 1	coatomer protein complex, subunit $\beta$ 1 (Copb1)
1.7	Zfp125	zinc finger protein 125	zinc finger protein 125
1.7	5830411E10Rik	homologue to CDNA: FLJ22833 FIS, CLONE KAIA4266 - putative - data source:S PTR, source key:Q9H5X6, evidence:ISS	RIKEN cDNA 5830411E10 gene

1.7	2610510E10Rik	homologue to NOVEL MEMBER OF SERINE-ARGININE DOMAIN PROTEIN, SR129 - putative - data source:SPTR, source key:Q99590, evidence:ISS	RIKEN cDNA 2610510E10 gene
1.7	Strn	striatin, calmodulin binding protein	striatin, calmodulin binding protein (Strn)
1.7	Rbm6	RNA binding motif protein 6	RNA binding motif protein 6 (Rbm6)
1.7	Trpm7	transient receptor potential cation channel, subfamily M, member 7; transient receptor potential-related protein, ChaK; transient receptor potential M7	transient receptor potential cation channel, subfamily M, member 7 (Trpm7)
1.7	Nol8	homologue to BA62C3.4 (NOVEL PROTEIN) (FRAGMENT) - putative - data source:SPTR, source key:Q9H586, evidence:ISS	nucleolar protein 8
1.7	Ube2v2	RIKEN cDNA 5730524P06; RIKEN cDNA 5730524P06 gene	ubiquitin-conjugating enzyme E2 variant 2 (Ube2v2)
1.7	Pls3	Unknown (protein for MGC:6362)	plastin 3 (T-isoform)
1.7	Eif3s10	p162 protein	eukaryotic translation initiation factor 3, subunit 10 (theta)
1.7	Usp33	Similar to ubiquitin specific protease 20	ubiquitin specific protease 33
1.7	Tceb3	transcription elongation factor B (SIII), polypeptide 3 (110kD); Elongin A	transcription elongation factor B (SIII), polypeptide 3 (Tceb3)
1.7	Jarid1b	Unknown (protein for IMAGE:4023951)	jumonji, AT rich interactive domain 1B (Rbp2 like)
1.7	Cyp39a1	cytochrome P450, family 39, subfamily a, polypeptide 1; oxysterol 7 $\alpha$ -hydroxylase; cytochrome P450, 39a1 (oxysterol 7 $\alpha$ -hydroxylase); oxysterol 7- $\alpha$ -hydroxylase	cytochrome P450, family 39, subfamily a, polypeptide 1 (Cyp39a1)
1.7	Glmn	Similar to FKBP-associated protein	glomulin, FKBP associated protein
1.7	4930544G11Rik	RIKEN cDNA 4930544G11	RIKEN cDNA 4930544G11 gene (4930544G11Rik)
1.7	V2r14	vomeronasal 2, receptor, 14; vomeronasal organ family 2, receptor, 14	vomeronasal 2, receptor, 14 (V2r14)
1.7	4933427D14Rik	homologue to KIAA0753 PROTEIN - putative - data source:SPTR, source key:O94853, evidence:ISS	RIKEN cDNA 4933427D14 gene
1.7	Plekha2	pleckstrin homology domain-containing, family A (phosphoinositide binding specific) member 2; pleckstrin homology domain-containing, family A (phosphoinositide binding specific) member 2andem PH Domain containing protein 2	pleckstrin homology domain-containing, family A (phosphoinositide binding specific) member 2 (Plekha2)

1.7	Eprs	homologue to BIFUNCTIONAL AMINOACYL-TRNA SYNTHETASE [INCLUDES: GLUTAMYL-TRNA S - data source:SPTR, source key:P07814, evidence:ISS	glutamyl-prolyl-tRNA synthetase
1.7	Capn7	calpain 7	calpain 7 (Capn7)
1.7	mszf23-1	mszf23-1	mRNA for mszf23-1, partial cds
1.7	Sybl1	putative - synaptobrevin like 1 - data source:MGD, source key:MGI:1096399, evidence:ISS	synaptobrevin like 1
1.7	4921524E03Rik	RIKEN cDNA 4921524E03 gene	FRUCTOSE-BISPHOSPHATE ALDOLASE A (EC 4.1.2.13) (MUSCLE-TYPE ALDOLASE) homologue [Rattus norvegicus] (SWISSPROT P05065, evidence: FASTY, 95.3%ID, 100%length, match=1089) putative; adult male testis cDNA, RIKEN full-length enriched library, clone:4921524E03 p
1.7	4930485D02Rik	Unknown (protein for MGC:12010)	RIKEN cDNA 4930485D02 gene
1.7	Nup160	nucleoporin 160; gene trap locus-13; cDNA sequence AF104415; gene trap locus 1-13; nucleoporin 160 kD	nucleoporin 160 (Nup160)
1.7	9230117N10Rik	Similar to glycogenin 2	RIKEN cDNA 9230117N10 gene
1.7	2810474O19Rik		RIKEN cDNA 2810474O19 gene
1.7	Casp8ap2	caspase 8 associated protein 2	caspase 8 associated protein 2 (Casp8ap2)
1.7	1810074P20Rik	homologue to human KIAA0776 PROTEIN (FRAGMENT) - putative - data source:SPTR, source key:O94874, evidence:ISS	RIKEN cDNA 1810074P20 gene
1.7	D11Ertd730e	Similar to step II splicing factor SLU7	DNA segment, Chr 11, ERATO Doi 730, expressed
1.7	2610016F04Rik	RIKEN cDNA 2610016F04	RIKEN cDNA 2610016F04 gene
1.7	5730419I09Rik	C2 domain containing protein - data source:Pfam, source key:PF00168, evidence:ISS - putative	RIKEN cDNA 5730419I09 gene
1.7	Mll5	homologue to WUGSC:H_RG114B19.1 PROTEIN - putative - data source:SPTR, source key:O95038, evidence:ISS	myeloid/lymphoid or mixed-lineage leukemia 5
1.7	Nrg4	neuregulin 4	neuregulin 4 (Nrg4)
1.7	V1rh6	vomeronasal receptor V1RH6	vomeronasal 1 receptor, H6

1.7	Dmd	dystrophin, muscular dystrophy; Duchenne muscular dystrophy; X-linked muscular dystrophy	dystrophin, muscular dystrophy (Dmd)
1.7	Fbxo30	homologue to KIAA1195 PROTEIN (FRAGMENT) - putative - data source:SPTR, source key:Q9ULM5, evidence:ISS	F-box protein 30
1.7	Agpt2	angiopoietin 2	angiopoietin 2 (Agpt2)
1.7	2410017P07Rik	RIKEN cDNA 2410017P07	RIKEN cDNA 2410017P07 gene
1.7	Ppp1r12a	myosin phosphatase, target subunit 1 - putative - data source:MGD, source key:MGI:1309528, evidence:ISS	protein phosphatase 1, regulatory (inhibitor) subunit 12A
1.7	Fbxo36	F-box only protein 36	F-box only protein 36 (Fbxo36)
1.7	Asph	aspartyl β-hydroxylase	aspartate-β-hydroxylase
1.7	0610011N22Rik	RIKEN cDNA 0610011N22	RIKEN cDNA 0610011N22 gene (0610011N22Rik)
1.7	3200001K10Rik		RIKEN cDNA 3200001K10 gene
1.7	Pcm1	pericentriolar material gene 1 protein	pericentriolar material 1
1.7	Irf7	interferon regulatory factor 7	interferon regulatory factor 7 (Irf7)
1.7	Ier3	Similar to immediate early response 3	immediate early response 3
1.7	Ptpn4	protein tyrosine phosphatase, non-receptor type 4; testis-enriched protein tyrosine phosphatase; TEP/mPTPMEG; testis-enriched phosphatase; protein tyrosine phosphatase, non-receptor type 4 (megakaryocyte)	protein tyrosine phosphatase, non-receptor type 4 (Ptpn4)
1.7	2700049A03Rik	homologue to KIAA0586 PROTEIN - putative - data source:SPTR, source key:O60328, evidence:ISS	RIKEN cDNA 2700049A03 gene
1.7	Capn6	calpain 6	calpain 6 (Capn6)
1.7	4930429H24Rik	BTB/POZ domain containing protein - data source:Pfam, source key:PF00651, evidence:ISS - putative	RIKEN cDNA 4930429H24 gene
1.7	2410116I05Rik	RIKEN cDNA 2410116I05	RIKEN cDNA 2410116I05 gene (2410116I05Rik)
1.7	Tpd52	tumor protein D52	tumor protein D52 (Tpd52)
1.7	Polr3f	homologue to BA189K21.3 (NOVEL PROTEIN SIMILAR TO AN RNA POLYMERASE III SUBUNI - data source:SPTR, source key:Q9H1D9, evidence:ISS	polymerase (RNA) III (DNA directed) polypeptide F
1.7	Asph	aspartyl β-hydroxylase	aspartate-β-hydroxylase
1.7	AW610627	mszf29	expressed sequence AW610627
1.7	Pcm1	pericentriolar material 1	pericentriolar material 1

1.7	Strbp	spermatid perinuclear RNA-binding protein	spermatid perinuclear RNA binding protein (Strbp)
1.7	Zfp37	putative nucleic acid-binding protein	zinc finger protein 37
1.7	Grem1	gremlin 1; down-regulated in v-mos-transformed cells; Gremlin1; cysteine knot superfamily 1, BMP antagonist 1	gremlin 1 (Grem1)
1.7	1110021J02Rik	homologue to HSPC265 (FRAGMENT) - putative - data source:SPTR, source key:Q9P0B6, evidence:ISS	RIKEN cDNA 1110021J02 gene
1.7	BC011426	Similar to zinc finger protein 97	cDNA sequence BC011426
1.7	2610020C11Rik	homologue to ZINC FINGER PROTEIN 84 (ZINC FINGER PROTEIN HPF2) - putative - data source:SPTR, source key:P51523, evidence:ISS	RIKEN cDNA 2610020C11 gene
1.7	Akr1e1	aldo-keto reductase family 1, member E1	aldo-keto reductase family 1, member E1 (Akr1e1)
1.7	Snapc3	homologue to SNRNA ACTIVATING PROTEIN COMPLEX 50 KD SUBUNIT (SNAPC 50 KD SUBUNIT) - data source:SPTR, source key:Q92966, evidence:ISS	small nuclear RNA activating complex, polypeptide 3
1.7		dM117J5.1 (novel protein similar to anonymous human, fly, worm and yeast proteins)	Mouse DNA sequence from clone RP21-117J5 on chromosome 5, complete sequence
1.7		Gag polyprotein	endogenous retroviral sequence 4 (with leucine t-RNA primer)
1.7	Lpxn	leupaxin	leupaxin
1.7	Cdkn1a	cyclin-dependent kinase inhibitor 1A (P21)	cyclin-dependent kinase inhibitor 1A (P21) (Cdkn1a)
1.7	Foxj2	forkhead box J2	forkhead box J2 (Foxj2)
1.7	Tmlhe	Similar to hypothetical protein FLJ10727	trimethyllysine hydroxylase, epsilon
1.7	Macf1	ACF7 neural isoform 1	microtubule-actin crosslinking factor 1
1.7	Insig2	Unknown (protein for MGC:18904)	insulin induced gene 2
1.7	Uty	tetratricopeptide repeat protein	ubiquitously transcribed tetratricopeptide repeat gene, Y chromosome (Uty)
1.7	Lrp12	suppression of tumorigenicity 7	low density lipoprotein-related protein 12
1.7	Pik3c2a	phosphoinositide 3-kinase	phosphatidylinositol 3-kinase, C2 domain containing, $\alpha$ polypeptide
1.7	Gys3	glycogen synthase 3, brain	glycogen synthase 3, brain (Gys3)
1.7	Cfh	complement component factor h	complement component factor h

1.7	3110001I22Rik	homologue to HSPC232 - putative - data source:SPTR, source key:Q9P0P6, evidence:ISS	RIKEN cDNA 3110001I22 gene
1.7	Kifc3	kinesin family member C3	kinesin family member C3 (Kifc3)
1.7	Asph	aspartate-β-hydroxylase - data source:MGD, source key:MGI:1914186, evidence:ISS - putative	aspartate-β-hydroxylase
1.7	Bhlhb2	basic helix-loop-helix domain containing, class B2; eip1 (E47 interaction protein 1); cytokine response gene 8	basic helix-loop-helix domain containing, class B2 (Bhlhb2)
1.7	Cbx8	chromobox homologue 8 ( <i>D. melanogaster</i> Pc class); polycomb 3	chromobox homologue 8 ( <i>D. melanogaster</i> Pc class) (Cbx8)
1.7	Armcx3	homologue to HYPOTHETICAL 42.5 KD PROTEIN (ALEX3) (ALEX3 PROTEIN) - putative - data source:SPTR, source key:Q9UH62, evidence:ISS	armadillo repeat containing, X-linked 3
1.7	Cxadr	coxsackievirus and adenovirus receptor - data source:MGD, source key:MGI:1201679, evidence:ISS - putative	coxsackievirus and adenovirus receptor
1.7	Golgai	homologue to GOLGI COMPLEX AUTOANTIGEN GOLGIN-97 (GOLGI AUTOANTIGEN, GOLGIN SUBFAMILY - data source:SPTR, source key:Q92805, evidence:ISS	golgi autoantigen, golgin subfamily a, 1
1.7	Ptk2		PTK2 protein tyrosine kinase 2
1.7	Plod1	procollagen-lysine, 2-oxoglutarate 5-dioxygenase 1; lysyl hydroxylase 1	procollagen-lysine, 2-oxoglutarate 5-dioxygenase 1 (Plod1)
1.7	Grb10	growth factor receptor bound protein 10; maternally expressed gene 1	growth factor receptor bound protein 10 (Grb10)
1.7	Myh2	Similar to myosin, heavy polypeptide 2, skeletal muscle, adult	myosin, heavy polypeptide 2, skeletal muscle, adult
1.7	2810051F02Rik	RIKEN cDNA 2810051F02	RIKEN cDNA 2810051F02 gene
1.7	Daf1	decay accelerating factor 1; complement-glycosylphosphatidylinositol	decay accelerating factor 1 (Daf1)
1.7	Scube1	signal peptide, CUB domain, EGF-like 1	signal peptide, CUB domain, EGF-like 1 (Scube1)
1.7	3110057O12Rik	RIKEN cDNA 3110057O12	RIKEN cDNA 3110057O12 gene
1.7	Mr1	histocompatibility-2 complex class 1-like; histocompatibility-2 complex class 1-like sequence	major histocompatibility complex, class I-related (Mr1)
1.7	4930548G07Rik	RIKEN cDNA 4930548G07	RIKEN cDNA 4930548G07 gene (4930548G07Rik)
1.7	Rad50	RAD50 homologue	RAD50 homologue ( <i>S. cerevisiae</i> ) (Rad50)

1.7	Herc1	Similar to hect (homologous to the E6-AP (UBE3A) carboxyl terminus) domain and RCC1 (CHC1)-like domain (RLD) 1	hect (homologous to the E6-AP (UBE3A) carboxyl terminus) domain and RCC1 (CHC1)-like domain (RLD) 1
1.7	Usp16	ubiquitin specific protease 16	ubiquitin specific protease 16 (Usp16)
1.7	Pja2	Unknown (protein for MGC:27629)	praja 2, RING-H2 motif containing
1.7	Mllt3	myeloid/lymphoid or mixed lineage-leukemia translocation to 3 homologue	myeloid/lymphoid or mixed lineage-leukemia translocation to 3 homologue ( <i>D. melanogaster</i> )
1.7	Arcn1	archain 1	archain 1
1.7	2400010G15Rik	homologue to C360B4.1 (PUTATIVE NOVEL PROTEIN SIMILAR TO PREDICTED BACTERIAL AND - data source:SPTR, source key:Q9UJI2, evidence:ISS	RIKEN cDNA 2400010G15 gene
1.7	Zfp62	Unknown (protein for MGC:30580)	zinc finger protein 62
1.7	Trpc1	transient receptor potential cation channel, subfamily C, member 1	transient receptor potential cation channel, subfamily C, member 1
1.7	Stc2	stanniocalcin 2	stanniocalcin 2 (Stc2)
1.7	BC016548	Similar to RIKEN cDNA B430319H21 gene	cDNA sequence BC016548
1.7	2900005P22Rik		RIKEN cDNA 2900005P22 gene
1.7	2310043J07Rik		RIKEN cDNA 2310043J07 gene
1.7	Pex19	peroxisomal farnesylated protein	peroxisome biogenesis factor 19 (Pex19)
1.7	2900075B16Rik	EF hand containing protein - data source:Pfam, source key:PF00036, evidence:ISS - putative	RIKEN cDNA 2900075B16 gene
1.7	Ugdh	UDP-glucose dehydrogenase	UDP-glucose dehydrogenase (Ugdh)
1.7	1810073E21Rik	RIKEN cDNA 1810073E21	RIKEN cDNA 1810073E21 gene (1810073E21Rik)
1.7	Supt16h	suppressor of Ty 16 homologue; suppressor of Ty 16 homologue ( <i>S. cerevisiae</i> )	suppressor of Ty 16 homologue ( <i>S. cerevisiae</i> ) (Supt16h)
1.7	1810011O10Rik	homologue to C8ORF4 PROTEIN - putative - data source:SPTR, source key:Q9NR00, evidence:ISS	RIKEN cDNA 1810011O10 gene
1.7	2700019D07Rik	Zinc finger, C2H2 type containing protein - data source:Pfam, source key:PF00096, evidence:ISS - putative	RIKEN cDNA 2700019D07 gene
1.7		itchy	
1.7	Mds1	myelodysplasia syndrome 1 protein homologue	myelodysplasia syndrome 1 homologue (human) (Mds1)
1.7	Hnrpr	heterogeneous nuclear ribonucleoprotein R	heterogeneous nuclear ribonucleoprotein R

1.7		protease; reverse transcriptase; RNaseH; integrase; dUTPase; Pro-Pol-dUTPase polyprotein	endogenous retroviral sequence 4 (with leucine t-RNA primer)
1.7	Trim33	tripartite motif protein TRIM33	tripartite motif protein 33
1.6	2610529H08Rik	RIKEN cDNA 2610529H08	RIKEN cDNA 2610529H08 gene
1.6	Syne1	Syne-1B	synaptic nuclear envelope 1
1.6	Ascc1	homologue to CGI-18 PROTEIN (ASC-1 COMPLEX SUBUNIT P50) - putative - data source:SPTR, source key:Q9Y307, evidence:ISS	activating signal cointegrator 1 complex subunit 1
1.6	8430422M09Rik	homologue to KIAA1407 PROTEIN (FRAGMENT) - putative - data source:SPTR, source key:Q9P2E0, evidence:ISS	RIKEN cDNA 8430422M09 gene
1.6	Npas3	neuronal PAS domain protein 3	neuronal PAS domain protein 3 (Npas3)
1.6	Mtf2	polycomblike 2	metal response element binding transcription factor 2
1.6	Map2k4	SEK1	mitogen activated protein kinase kinase 4
1.6	Sparcl1	extracellular matrix protein 2	SPARC-like 1 (mast9, hevin) (Sparcl1)
1.6	Usp8	ubiquitin specific protease 8; putative deubiquitinating enzyme	ubiquitin specific protease 8 (Usp8)
1.6	Rasd1	RAS, dexamethasone-induced 1	RAS, dexamethasone-induced 1 (Rasd1)
1.6	Dnchc2	homologue to CDNA FLJ11756 FIS, CLONE HEMBA1005595, WEAKLY SIMILAR TO DYNEIN HEAVY - data source:SPTR, source key:Q9HAE4, evidence:ISS	dynein, cytoplasmic, heavy chain 2
1.6	1700008J08Rik		RIKEN cDNA 1700008J08 gene
1.6	Ahi1	homologue to DJ71N10.1.1 (NOVEL PROTEIN (CONTAINS TRANSLATION OF CDNA COL01816 - data source:SPTR, source key:Q9NQN4, evidence:ISS	Abelson helper integration site
1.6		RAD21 homologue ( <i>S. pombe</i> ) - data source:MGD, source key:MGD:108016, evidence:ISS - putative	putative ribosomal protein S11 (MGD MGD:1351329); 10 days embryo whole body cDNA, RIKEN full-length enriched library, clone:2600014C13 product:ribosomal protein S11, full insert sequence
1.6	Pdzk3	homologue to PAPIN - putative - data source:SPTR, source key:Q9QZR8, evidence:ISS	PDZ domain containing 3
1.6	Sec23a	SEC23A	SEC23A ( <i>S. cerevisiae</i> ) (Sec23a)
1.6	Rgs4	regulator of G-protein signaling 4	regulator of G-protein signaling 4 (Rgs4)

1.6	Myef2	myelin gene expression factor	myelin basic protein expression factor 2, repressor
1.6	Plag1	pleiomorphic adenoma gene 1; C2H2 zinc finger protein PLAG1	pleiomorphic adenoma gene 1 (Plag1)
1.6	Polk	Unknown (protein for MGC:7112)	polymerase (DNA directed), kappa
1.6	Il6st	interleukin 6 signal transducer	interleukin 6 signal transducer (Il6st)
1.6	Elp3	Acetyltransferase (GNAT) family containing protein - data source:Pfam, source key:PF00583, evidence:ISS - putative	elongation protein 3 homologue ( <i>S. cerevisiae</i> )
1.6	2600011C06Rik	PWI domain containing protein - data source:Pfam, source key:PF01480, evidence:ISS - putative	RIKEN cDNA 2600011C06 gene
1.6	Pdk4	pyruvate dehydrogenase kinase, isoenzyme 4; pyruvate dehydrogenase kinase 4	pyruvate dehydrogenase kinase, isoenzyme 4 (Pdk4)
1.6	Rb1cc1	RB1-inducible coiled-coil 1; coiled coil forming protein 1	RB1-inducible coiled-coil 1 (Rb1cc1)
1.6	Mrgprh	MAS-related GPR, member H; G-protein coupled receptor GPR90; G protein-coupled receptor 90	MAS-related GPR, member H (Mrgprh)
1.6	Edil3	De11 major splice variant	EGF-like repeats and discoidin I-like domains 3
1.6	Vps4b	vacuolar protein sorting 4b; suppressor of K+ transport defect 1	vacuolar protein sorting 4b (yeast) (Vps4b)
1.6	Lztf1l	leucine zipper transcription factor-like 1	leucine zipper transcription factor-like 1 (Lztf1l)
1.6	Mtmr1	myotubularin-related protein 1	myotubularin related protein 1 (Mtmm1)
1.6	Ankfy1	ankyrin repeat hooked to zinc finger motif	ankyrin repeat and FYVE domain containing 1 (Ankfy1)
1.6	Zfp119	zinc finger protein 119	zinc finger protein 119
1.6	Scrn2	Unknown (protein for MGC:29406)	secernin 2
1.6	5430413I02Rik	Unknown (protein for MGC:7063)	RIKEN cDNA 5430413I02 gene
1.6	Slc37a3	Unknown (protein for MGC:11925)	solute carrier family 37 (glycerol-3-phosphate transporter), member 3
1.6	4930435F18Rik		RIKEN cDNA 4930435F18 gene
1.6			
1.6	Narg1	RIKEN cDNA 5730450D16; RIKEN cDNA 5730450D16 gene	NMDA receptor-regulated gene 1 (Narg1)
1.6	Cyp2c29	cytochrome P450, family 2, subfamily c, polypeptide 29	cytochrome P450, family 2, subfamily c, polypeptide 29 (Cyp2c29)
1.6	Wnt5b	wingless-related MMTV integration site 5B	wingless-related MMTV integration site 5B (Wnt5b)
1.6	Cdh13	cadherin 13	cadherin 13 (Cdh13)
1.6	Psme4	Similar to TEMO	proteasome (prosome, macropain) activator subunit 4

1.6	Epha3	Eph receptor A3	Eph receptor A3
1.6	Krt1-24	keratin, hair, acidic, 5; hair keratin acidic 5; keratin complex 1, gene 24	keratin complex 1, acidic, gene 24 (Krt1-24)
1.6	Hist1h1a	Histone H1.1	histone 1, H1a
1.6	Zfp75	Zfp67p	zinc finger protein 75
1.6	Cops4	COP9 signalosome subunit 4; COP9 (constitutive photomorphogenic), subunit 4 (Arabidopsis); COP9 complex S4	COP9 (constitutive photomorphogenic) homologue, subunit 4 (Arabidopsis thaliana) (Cops4)
1.6	Rb1	retinoblastoma 1	retinoblastoma 1 (Rb1)
1.6	Asph	aspartyl β-hydroxylase	aspartate-β-hydroxylase
1.6	1110001A23Rik	homologue to UNCHARACTERIZED HYPOTHALAMUS PROTEIN HT007 - putative - data source:SPTR, source key:Q9NZ29, evidence:ISS	RIKEN cDNA 1110001A23 gene
1.6	Hook2	Unknown (protein for MGC:28586)	hook homologue 2 ( <i>D. melanogaster</i> )
1.6	Nfl	neurofibromin	neurofibromatosis 1
1.6	Ddx50	DEAD (Asp-Glu-Ala-Asp) box polypeptide 50; nucleolar protein GU2; DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 50; Guβ; RH-II/Guβ	DEAD (Asp-Glu-Ala-Asp) box polypeptide 50 (Ddx50)
1.6	Cspg2	chondroitin sulfate proteoglycan 2	chondroitin sulfate proteoglycan 2
1.6	Crk7	homologue to CELL DIVISION CYCLE 2-RELATED PROTEIN KINASE 7 (EC 2.7.1.-) (CDC2- - data source:SPTR, source key:Q9NYV4, evidence:ISS	CDC2-related kinase 7
1.6	Spp1	secreted phosphoprotein 1; osteopontin; bone sialoprotein; 44 kD bone phosphoprotein; 44 kD bone phosphoprotein	secreted phosphoprotein 1 (Spp1)
1.6			Sequence 3 from Patent WO0177323
1.6	D14Ertd581e	homologue to PIBF1 PROTEIN - putative - data source:SPTR, source key:O95664, evidence:ISS	DNA segment, Chr 14, ERATO Doi 581, expressed
1.6	Eif3s8	homologue to EUKARYOTIC TRANSLATION INITIATION FACTOR 3 SUBUNIT 8 (EIF3 P110) - - data source:SPTR, source key:Q99613, evidence:ISS	eukaryotic translation initiation factor 3, subunit 8
1.6	Adam8	a disintegrin and metalloprotease domain 8; a disintegrin and metalloprotease domain (ADAM) 8	a disintegrin and metalloprotease domain 8 (Adam8)
1.6	Nfl	neurofibromin	neurofibromatosis 1
1.6	Fbxo15	F-box protein FBX15	F-box only protein 15

1.6	Slc7a2	solute carrier family 7 (cationic amino acid transporter, y <sup>+</sup> system), member 2; amino acid transporter, cationic 2 (low affinity)	solute carrier family 7 (cationic amino acid transporter, y <sup>+</sup> system), member 2 (Slc7a2)
1.6	Trim23	tripartite motif protein TRIM23	tripartite motif protein 23
1.6	5430417C01Rik		RIKEN cDNA 5430417C01 gene
1.6	Smc6l1	SMC6 protein	SMC6 structural maintenance of chromosomes 6-like 1 (yeast)
1.6	Pcdhb18	protocadherin β 18	protocadherin β 18 (Pcdhb18)
1.6	1110008L16Rik	homologue to HYPOTHETICAL PROTEIN KIAA0391 - putative - data source:SPTR, source key:O15091, evidence:ISS	RIKEN cDNA 1110008L16 gene
1.6	Anapc4	Unknown (protein for MGC:28819)	anaphase promoting complex subunit 4
1.6	1700034P14Rik	Unknown (protein for MGC:27589)	RIKEN cDNA 1700034P14 gene
1.6	Tcf4	transcription factor 4	transcription factor 4
1.6	Bbx	HMG-BOX transcription factor BBX	bobby sox homologue ( <i>D. melanogaster</i> )
1.6	Serpine1	serine (or cysteine) proteinase inhibitor, clade E, member 1; plasminogen activator inhibitor, type I; serine (or cysteine) proteinase inhibitor, clade E (nexin, plasminogen activator inhibitor type 1), member 1	serine (or cysteine) proteinase inhibitor, clade E, member 1 (Serpine1)
1.6	Serac1	putative - synaptjanin 2 - data source:MGD, source key:MGI:1201671, evidence:ISS	serine active site containing 1
1.6	Nlgn1	Similar to neuroligin 1	neuroligin 1
1.6	4933421G18Rik	putative - related to ADHERIN NIPPED-B - data source:SPTR, source key:Q9XYM2, evidence:ISS	RIKEN cDNA 4933421G18 gene
1.6	Kif21a	kinesin family member 21A; N-5 kinesin	kinesin family member 21A (Kif21a)
1.6	Adam10	a disintegrin and metalloprotease domain 10; a disintegrin and metalloprotease domain (ADAM) 10	a disintegrin and metalloprotease domain 10 (Adam10)
1.6	Zfp198	homologue to ZINC FINGER PROTEIN - putative - data source:SPTR, source key:O43434, evidence:ISS	zinc finger protein 198
1.6	Creb1	c-AMP-responsive-element binding protein psi	cAMP responsive element binding protein 1
1.6	Phactr2	Unknown (protein for IMAGE:3482264)	phosphatase and actin regulator 2

1.6	2610041B18Rik	homologue to ZINC FINGER PROTEIN (FRAGMENT) - putative - data source:SPTR, source key:Q9UMV5, evidence:ISS	RIKEN cDNA 2610041B18 gene
1.6	Zfp146	zinc finger protein 146	zinc finger protein 146 (Zfp146)
1.6	Serpini1	serine (or cysteine) proteinase inhibitor, clade I, member 1; serine protease inhibitor 17; Neuroserpin; serine (or cysteine) proteinase inhibitor, clade I (neuroserpin), member 1	serine (or cysteine) proteinase inhibitor, clade I, member 1 (Serpini1)
1.6	2810426N06Rik	Zinc finger, C2H2 type containing protein - data source:Pfam, source key:PF00096, evidence:ISS - putative	RIKEN cDNA 2810426N06 gene
1.6	Copg2	coatomer protein complex, subunit $\gamma$ 2	coatomer protein complex, subunit $\gamma$ 2 (Copg2)
1.6	Nedd1	neural precursor cell expressed, developmentally down-regulated gene 1	neural precursor cell expressed, developmentally down-regulated gene 1 (Nedd1)
1.6	Gulp1	homologue to CED-6 PROTEIN - putative - data source:SPTR, source key:Q9UBP9, evidence:ISS	GULP, engulfment adaptor PTB domain containing 1
1.6	Ddx52	homologue to PUTATIVE ATP-DEPENDENT RNA HELICASE ROK1 - putative - data source:SPTR, source key:Q9Y2R4, evidence:ISS	DEAD (Asp-Glu-Ala-Asp) box polypeptide 52
1.6	Slc1a1	antisense product of high-affinity glutamate transporter EAAC1 and EAAC2	solute carrier family 1, member 1
1.6	Lnp	putative - related to CG8735 PROTEIN - data source:SPTR, source key:Q9V4V4, evidence:ISS	limb and neural patterns
1.6	Nsd1	nuclear receptor-binding SET-domain protein 1	nuclear receptor-binding SET-domain protein 1 (Nsd1)
1.6	Atad1	putative - related to MSP1 PROTEIN (TAT-BINDING HOMOLOGUE 4) - data source:SPTR, source key:P28737, evidence:ISS	ATPase family, AAA domain containing 1
1.6	9830124H08Rik	Unknown (protein for MGC:38922)	RIKEN cDNA 9830124H08 gene
1.6	Jmy-pending	junction-mediating and regulatory protein; p300 transcriptional cofactor JMY	junction-mediating and regulatory protein (Jmy)
1.6	Ap1gl	adaptor protein complex AP-1, $\gamma$ 1 subunit; adaptor-related protein complex AP-1, $\gamma$ 1 subunit; $\gamma$ -adaptin	adaptor protein complex AP-1, $\gamma$ 1 subunit (Ap1gl)
1.6	Hprt	hypoxanthine guanine phosphoribosyl transferase	hypoxanthine guanine phosphoribosyl transferase (Hprt)

1.6	2810426N06Rik	Zinc finger, C2H2 type containing protein - data source:Pfam, source key:PF00096, evidence:ISS - putative	RIKEN cDNA 2810426N06 gene
1.6	Mme	membrane metallo endopeptidase	membrane metallo endopeptidase (Mme)
1.6	3632451O06Rik	RIKEN cDNA 3632451O06	RIKEN cDNA 3632451O06 gene (3632451O06Rik)
1.6	Ndrg2	N-myc downstream regulated gene 2; N-myc downstream regulated 2	N-myc downstream regulated gene 2 (Ndrg2)
1.6	Tpp2	tripeptidyl peptidase II	tripeptidyl peptidase II
1.6	Ate1	arginine-tRNA-protein transferase 1	arginine-tRNA-protein transferase 1 (Ate1)
1.6	Fndc3	Unknown (protein for IMAGE:5101040)	fibronectin type III domain containing 3
1.6	1700027M21Rik	homologue to CDNA FLJ20003 FIS, CLONE ADKA01794 - putative - data source:SPTR, source key:Q9NXX6, evidence:ISS	RIKEN cDNA 1700027M21 gene
1.6	D4Wsu132e	DNA segment, Chr 4, Wayne State University 132, expressed - data source:MGD, source key:MGD:107328, evidence:ISS - putative	DNA segment, Chr 4, Wayne State University 132, expressed
1.6	Ophn1	oligophrenin 1	oligophrenin 1 (Ophn1)
1.6	Suv420h1	Unknown (protein for MGC:18702)	suppressor of variegation 4-20 homologue 1 ( <i>D. melanogaster</i> )
1.6	Ttn	titin	titin
1.6	Pik3ca	phosphatidylinositol 3-kinase, catalytic, $\alpha$ polypeptide	phosphatidylinositol 3-kinase, catalytic, $\alpha$ polypeptide (Pik3ca)
1.6	Olfir325	olfactory receptor MOR275-5	olfactory receptor 325
1.6	2610312B22Rik	homologue to HSPC303 (FRAGMENT) - putative - data source:SPTR, source key:Q9P079, evidence:ISS	RIKEN cDNA 2610312B22 gene
1.6	Sdccag1	homologue to ANTIGEN NY-CO-1 - putative - data source:SPTR, source key:O60524, evidence:ISS	serologically defined colon cancer antigen 1
1.6	Hbb-b1	hemoglobin, $\beta$ adult major chain	hemoglobin, $\beta$ adult major chain (Hbb-b1)
1.6	4932416A11Rik	von Willebrand factor A-related protein	RIKEN cDNA 4932416A11 gene
1.6	Phip	WD repeat domain 11 protein	pleckstrin homology domain interacting protein
1.6	AW538212		expressed sequence AW538212
1.6	Pfkfb2		6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 2
1.6	Fin14	fibroblast growth factor inducible 14	fibroblast growth factor inducible 14

1.6	Map3k2	mitogen activated protein kinase kinase kinase 2; MEK kinase 2; MAP/ERK kinase kinase 2; MAPK/ERK kinase kinase 2	mitogen activated protein kinase kinase 2 (Map3k2)
1.6	Hectd1	Unknown (protein for MGC:12070)	HECT domain containing 1
1.6	Papd4	Unknown (protein for MGC:11800)	PAP associated domain containing 4
1.6	Casp14	caspase 14	caspase 14 (Casp14)
1.6	5830411G16Rik	homologue to MYELOBLAST KIAA0241 (FRAGMENT) - putative - data source:SPTR, source key:Q92573, evidence:ISS	RIKEN cDNA 5830411G16 gene
1.6	Ash1-pending	putative chromatin remodeling factor	absent, small, or homeotic discs 1 ( <i>D. melanogaster</i> )
1.6	Qars	homologue to GLUTAMINYL-TRNA SYNTHETASE (EC 6.1.1.18) (GLUTAMINE--TRNA LIGASE) - data source:SPTR, source key:P47897, evidence:ISS	glutaminyl-tRNA synthetase
1.6	Garnl1	tuberin-like protein 1; tulip 1 protein	GTPase activating RANGAP domain-like 1 (Garnl1), transcript variant 2
1.6	Nfl	neurofibromin	neurofibromatosis 1
1.6	Lars	homologue to LEUCYL TRNA SYNTHETASE - putative - data source:SPTR, source key:Q9NSE1, evidence:ISS	leucyl-tRNA synthetase
1.6	1200008A14Rik	Leucine-rich repeat containing protein - data source:InterPro, source key:IPR001611, evidence:ISS - putative	RIKEN cDNA 1200008A14 gene
1.6	Aco1	aconitase 1	aconitase 1
1.6	Ndufb2	NADH dehydrogenase (ubiquinone) 1 β subcomplex, 2	NADH dehydrogenase (ubiquinone) 1 β subcomplex, 2 (Ndufb2)
1.6	5730454B08Rik	Similar to KIAA0663 gene product	RIKEN cDNA 5730454B08 gene
1.6	Per1	period homologue 1	period homologue 1 ( <i>D. melanogaster</i> ) (Per1)
1.6	2210012G02Rik	RIKEN cDNA 2210012G02	RIKEN cDNA 2210012G02 gene (2210012G02Rik)
1.6	Ncor1	nuclear receptor co-repressor 1; retinoid X receptor interacting protein 13	nuclear receptor co-repressor 1 (Ncor1)
1.6	Mertk	c-mer proto-oncogene tyrosine kinase; Tyro 12	c-mer proto-oncogene tyrosine kinase (Mertk)
1.6	Fhl	Similar to Fumarate hydratase	fumarate hydratase 1
1.6	Asph	aspartyl β-hydroxylase	aspartate-β-hydroxylase
1.6	Zfp96	zinc finger protein 96	zinc finger protein 96
1.6	Il1rl2	IL-1Rrp2	interleukin 1 receptor-like 2

1.6	2310022A04Rik	putative - related to CG12746 PROTEIN - data source:SPTR, source key:Q9VND5, evidence:ISS	RIKEN cDNA 2310022A04 gene
1.6	Mtm1	myotubularin	X-linked myotubular myopathy gene 1 (Mtm1)
1.6	Atp8a1	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1; ATPase, class I; ATPase 8A1, p type; Class I; ATPase 8A1, aminophospholipid transporter (APLT), class I	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1 (Atp8a1)
1.6	2810426N06Rik	RIKEN cDNA 2810426N06	RIKEN cDNA 2810426N06 gene
1.6	Msh3	Citations 2 and 3 contain revisions to the original sequence in Citation 1. The name of the gene was changed after Citation 1 from	mutS homologue 3 (E. coli)
1.6	Dach2	dachshund 2	dachshund 2 ( <i>D. melanogaster</i> ) (Dach2)
1.6	Sdhd	homologue to SUCCINATE DEHYDROGENASE [UBIQUINONE] CYTOCHROME B SMALL SUBUNIT, - data source:SPTR, source key:O14521, evidence:ISS	succinate dehydrogenase complex, subunit D, integral membrane protein
1.6	Cxxc6		CXXC finger 6
1.6	1700029J11Rik	homologue to DJ1153D9.4 (A NOVEL PROTEIN) (FRAGMENT) - putative - data source:SPTR, source key:Q9HCV6, evidence:ISS	RIKEN cDNA 1700029J11 gene
1.6	BC021921	Similar to zinc finger protein 14 (KOX 6)	cDNA sequence BC021921
1.6	Rapgef6	Similar to PDZ domain containing guanine nucleotide exchange factor(GEF)1	Rap guanine nucleotide exchange factor (GEF) 6
1.6	Mospd2	MSP (Major sperm protein) domain containing protein - data source:Pfam, source key:PF00635, evidence:ISS - putative	motile sperm domain containing 2
1.6	Capza1	capping protein $\alpha$ 1 subunit	capping protein (actin filament) muscle Z-line, $\alpha$ 1
1.6	Pdlim4	reversion induced LIM gene; RIL protein	PDZ and LIM domain 4 (Pdlim4)
1.6	Cobl1l1		Cobl-like 1
1.6	Cecr6	cat eye syndrome chromosome region, candidate 6 homologue	cat eye syndrome chromosome region, candidate 6 homologue (human) (Cecr6)
1.6	5730538E15Rik	homologue to CDNA: FLJ23132 FIS, CLONE LNG08559 - putative - data source:SPTR, source key:Q9H5R8, evidence:ISS	RIKEN cDNA 5730538E15 gene

1.6	2810489J07Rik		RIKEN cDNA 2810489J07 gene
1.6	Caena2d1	calcium channel, voltage-dependent, $\alpha$ 2/delta subunit 1	calcium channel, voltage-dependent, $\alpha$ 2/delta subunit 1
1.6	Cdh6	cadherin 6	cadherin 6 (Cdh6)
1.6	Map4k5	homologue to KHS1 - putative - data source:SPTR, source key:Q9Y4K4, evidence:ISS	mitogen-activated protein kinase kinase 5
1.6	Cp	ceruloplasmin	ceruloplasmin (Cp)
1.6	Myom1	myomesin 1; skelemin	myomesin 1 (Myom1)
1.6	4931408D14Rik		RIKEN cDNA 4931408D14 gene
1.6	Atm	ataxia telangiectasia mutated homologue; ataxia telangiectasia gene mutated in human beings	ataxia telangiectasia mutated homologue (human) (Atm)
1.6		Similar to hypothetical protein FLJ12644	, Similar to hypothetical protein FLJ12644, clone MGC:7438 IMAGE:3489445, mRNA, complete cds
1.6	Rnpc2	transcription coactivator CAPER	RNA-binding region (RNP1, RRM) containing 2
1.6	Cutl1	CCAAT displacement protein isoform a	cut-like 1 ( <i>D. melanogaster</i> )
1.6	1200013I08Rik	homologue to RING FINGER PROTEIN 6 - putative - data source:SPTR, source key:Q9Y252, evidence:ISS	RIKEN cDNA 1200013I08 gene
1.6	Cav	caveolin, caveolae protein; caveolin, caveolae protein, 22 kD; 22 kD	caveolin, caveolae protein (Cav)
1.6	Smarca3	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 3; helicase-like transcription factor-like protein	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 3 (Smarca3)
1.6	Fusip1	TLS-associated protein TASR-2	FUS interacting protein (serine-arginine rich) 1
1.6	Cdadcl	Similar to protein kinase NYD-SP15	cytidine and dCMP deaminase domain containing 1
1.6	Dkk2	dickkopf 2; mRNA for dickkopf-2 (dkk-2 gene)	dickkopf homologue 2 ( <i>Xenopus laevis</i> ) (Dkk2)
1.6	mszf81	mszf81	mRNA for mszf81, partial cds
1.6	5730555F13Rik	Similar to hypothetical protein FLJ13213	RIKEN cDNA 5730555F13 gene
1.6	Vcl	vinculin	vinculin
1.6	Glxr1	glutaredoxin 1 (thioltransferase); glutaredoxin (thioltransferase)	glutaredoxin 1 (thioltransferase) (Glxr1)
1.6	4930451A13Rik	homologue to CDNA FLJ10888 FIS, CLONE NT2RP4002052 - putative - data source:SPTR, source key:Q9NV75, evidence:ISS	RIKEN cDNA 4930451A13 gene

1.6	Mmp12	matrix metalloproteinase 12; macrophage metalloelastase; macrophage elastase	matrix metalloproteinase 12 (Mmp12)
1.6	Aire	autoimmune regulator (autoimmune polyendocrinopathy candidiasis ectodermal dystrophy)	autoimmune regulator (autoimmune polyendocrinopathy candidiasis ectodermal dystrophy)
1.6	Kif1b	Kif1b	kinesin family member 1B
1.6	Siat7c	sialyltransferase 7 (( $\alpha$ -N-acetylneuraminy1 2,3- $\beta$ galactosyl-1,3)-N-acetyl galactosaminide $\alpha$ -2,6-sialyltransferase) C; ST6GalNAc III	sialyltransferase 7 (( $\alpha$ -N-acetylneuraminy1 2,3- $\beta$ galactosyl-1,3)-N-acetyl galactosaminide $\alpha$ -2,6-sialyltransferase) C (Siat7c)
1.6	Zfp451	RIKEN cDNA 4930515K21 gene	zinc finger protein 451
1.6	BC003993	hypothetical protein MGC7531; clone MGC:7531	cDNA sequence BC003993 (BC003993)
1.6	Garnl1	tuberin-like protein 1	GTPase activating RANGAP domain-like 1
1.6	5330431K02Rik	RIKEN cDNA 5330431K02	RIKEN cDNA 5330431K02 gene
1.6		homologue to SPERM SPECIFIC PROTEIN (fragment) - putative - data source:SPTR, source key:O60905, evidence:ISS	10 days neonate skin cDNA, RIKEN full-length enriched library, clone:4733401I23 product:similar to sperm surface protein [Homo sapiens], full insert sequence
1.6	AML1	AML1	DNA provirus integration site in tumor induced by Murine leukemia virus SL3-3, isolate GTT tumor04-1
1.6	Utrn	utrophin	utrophin
1.6	2810426N06Rik	RIKEN cDNA 2810426N06	RIKEN cDNA 2810426N06 gene
1.6	Chka	choline kinase	choline kinase $\alpha$
1.6	Peg3	zinc finger protein	paternally expressed 3
1.6	Cenpc	centromere autoantigen C	centromere autoantigen C (Cenpc)
1.6	Acadsb	acyl-Coenzyme A dehydrogenase, short/branched chain	acyl-Coenzyme A dehydrogenase, short/branched chain (Acadsb)
1.6	Skil	SKI-like; ski/sno related	SKI-like (Skil)
1.6	Stk4	serine/threonine kinase 4	serine/threonine kinase 4
1.6	Hnrpr	heterogeneous nuclear ribonucleoprotein R	heterogeneous nuclear ribonucleoprotein R
1.5	Mrpl9	mitochondrial ribosomal protein L9	mitochondrial ribosomal protein L9
1.5	Utrn	cytoskeletal protein	utrophin
1.5	D11Ert530e	Unknown (protein for IMAGE:3485208)	DNA segment, Chr 11, ERATO Doi 530, expressed
1.5	3200001I04Rik	homologue to BG115M3.1 (NOVEL PROTEIN) - putative - data source:SPTR, source key:Q9H156, evidence:ISS	RIKEN cDNA 3200001I04 gene

1.5	1700012F17Rik	RIKEN cDNA 1700012F17	RIKEN cDNA 1700012F17 gene (1700012F17Rik)
1.5	Narg2	Similar to hypothetical protein FLJ11896	NMDA receptor-regulated gene 2
1.5	Evi5	ecotropic viral integration site 5	ecotropic viral integration site 5 (Evi5)
1.5	Pum2	pumilio 2	pumilio 2 ( <i>D. melanogaster</i> ) (Pum2)
1.5	2010003K11Rik		RIKEN cDNA 2010003K11 gene
1.5	Papd1	homologue to CDNA FLJ10486 FIS, CLONE NT2RP2000205 - putative - data source:SPTR, source key:Q9NVV4, evidence:ISS	PAP associated domain containing 1
1.5	4930405J24Rik	homologue to DJ889N15.1 (NOVEL PROTEIN SIMILAR TO X. LAEVIS CORTICAL THYMOCYTE - data source:SPTR, source key:O95532, evidence:ISS	RIKEN cDNA 4930405J24 gene
1.5	2310039E09Rik	putative - similar to SERUM DEPRIVATION RESPONSE (SDR=SERUM DEPRIVATION RESPONSE) - data source:SPTR, source key:Q63918, evidence:ISS	RIKEN cDNA 2310039E09 gene
1.5	6530403A03Rik	RIKEN cDNA 6530403A03	RIKEN cDNA 6530403A03 gene
1.5	1700022C21Rik	RIKEN cDNA 1700022C21	RIKEN cDNA 1700022C21 gene
1.5	Mtf2	metal response element binding transcription factor 2; metal response element DNA-binding protein M96	metal response element binding transcription factor 2 (Mtf2)
1.5	Trip4	thyroid hormone receptor interactor 4; transcription coactivator ASC-1	thyroid hormone receptor interactor 4 (Trip4)
1.5	Adam9	a disintegrin and metalloprotease domain 9 (meltrin $\gamma$ ); meltrin $\gamma$	a disintegrin and metalloproteinase domain 9 (meltrin $\gamma$ ) (Adam9)
1.5	Rarb	retinoic acid receptor- $\beta$ 2 isoform	retinoic acid receptor, $\beta$
1.5	Jak2	Janus kinase 2	Janus kinase 2 (Jak2)
1.5	Sdccag1	serologically defined colon cancer antigen 1 isoform a; serologically defined colon cancer antigen 1 isoform b	serologically defined colon cancer antigen 1
1.5	A330104H05Rik	homologue to KIAA1189 PROTEIN (FRAGMENT) - putative - data source:SPTR, source key:Q9ULN1, evidence:ISS	RIKEN cDNA A330104H05 gene
1.5	Ezh1	enhancer of zeste homologue 1	enhancer of zeste homologue 1 ( <i>D. melanogaster</i> ) (Ezh1)
1.5	6720480D16Rik	Similar to zinc finger protein 347	RIKEN cDNA 6720480D16 gene
1.5	Bzw1	basic leucine zipper and W2 domains 1	basic leucine zipper and W2 domains 1 (Bzw1)

1.5	Stam	signal transducing adaptor molecule (SH3 domain and ITAM motif) 1	signal transducing adaptor molecule (SH3 domain and ITAM motif) 1 (Stam)
1.5	Mlycd	malonyl-CoA decarboxylase	malonyl-CoA decarboxylase (Mlycd)
1.5	Zfp26	mkr3	zinc finger protein 26
1.5	4933403H06Rik	RIKEN cDNA 4933403H06	RIKEN cDNA 4933403H06 gene
1.5		$\alpha$ chain precursor	3 days neonate thymus cDNA, RIKEN full-length enriched library, clone:A630081G21 product:T-cell receptor $\alpha$ chain precursor V-J region (TA72) (fragment) homologue , full insert sequence
1.5	Amy2	amylase 2, pancreatic	amylase 2, pancreatic (Amy2)
1.5	Ssbp2	single-stranded DNA binding protein 2	single-stranded DNA binding protein 2
1.5	6030460N08Rik	homologue to GOLGI-ASSOCIATED MICROTUBULE-BINDING PROTEIN - putative - data source:SPTR, source key:O95949, evidence:ISS	RIKEN cDNA 6030460N08 gene
1.5	Rpl24	ribosomal protein L24	ribosomal protein L24 (Rpl24)
1.5	Cald1	h-caldesmon	caldesmon 1
1.5	A730098D12Rik	Unknown (protein for IMAGEx4460274)	RIKEN cDNA A730098D12 gene
1.5	Atp6v1c1	ATPase, H <sup>+</sup> transporting, V1 subunit C, isoform 1	ATPase, H <sup>+</sup> transporting, V1 subunit C, isoform 1 (Atp6v1c1)
1.5	Mesdc2	mesoderm development candidate 2; RIKEN cDNA 2210015O11 gene	mesoderm development candidate 2 (Mesdc2)
1.5	D7Wsu87e	sr528 protein	DNA segment, Chr 7, Wayne State University 87, expressed
1.5	Myo6	myosin VI; Snell's waltzer	myosin VI (Myo6)
1.5	8030431D03Rik	RNA recognition motif. (a.k.a. RRM, RBD, or RNP domain) containing protein - data source:Pfam, source key:PF00076, evidence:ISS - putative	RIKEN cDNA 8030431D03 gene
1.5	Trip10	Similar to thyroid hormone receptor interactor 10	thyroid hormone receptor interactor 10
1.5	Ube2e2	Similar to ubiquitin-conjugating enzyme E2E 3 (homologous to yeast UBC4/5)	ubiquitin-conjugating enzyme E2E 2 (UBC4/5 homologue, yeast)
1.5	2810013M15Rik	putative - related to HYPOTHETICAL 55.5 KD PROTEIN ZK1128.2 IN CHROMOSOME III - data source:SPTR, source key:Q09357, evidence:ISS	RIKEN cDNA 2810013M15 gene
1.5	37505	CDC10	septin 7

1.5	Adamdec1	disintegrin metalloprotease (decysin); decysin	ADAM-like, decysin 1 (Adamdec1)
1.5	Fvt1	homologue to FOLLICULAR VARIANT TRANSLOCATION PROTEIN 1 PRECURSOR (FVT-1) - puta - data source:SPTR, source key:Q06136, evidence:ISS	follicular lymphoma variant translocation 1
1.5	Nedd4	possible ubiquitin protein ligase	neural precursor cell expressed, developmentally down-regulated gene 4
1.5	Vav3	vav 3 oncogene	vav 3 oncogene (Vav3)
1.5	Ddx3x	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 3, X-linked; D-E-A-D (aspartate-glutamate-alanine-aspartate) box polypeptide 3; DEAD (aspartate-glutamate-alanine-aspartate) box polypeptide 3; embryonic RNA helicase	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 3, X-linked (Ddx3x)
1.5	Fbxo32	F-box only protein 32; muscle atrophy F-box protein	F-box only protein 32 (Fbxo32)
1.5	Phax-pending	phosphorylated adaptor for RNA export	phosphorylated adaptor for RNA export (Phax)
1.5	2700038I16Rik	Zinc finger, C2H2 type containing protein - data source:Pfam, source key:PF00096, evidence:ISS - putative	RIKEN cDNA 2700038I16 gene
1.5	Zfp60	zinc finger protein 60	zinc finger protein 60 (Zfp60)
1.5	D19Ertd703e	homologue to SPORULATION-INDUCED TRANSCRIPT 4-ASSOCIATED PROTEIN SAPLB - putative - data source:SPTR, source key:Q9H2K5, evidence:ISS	DNA segment, Chr 19, ERATO Doi 703, expressed
1.5	4921533L14Rik	homologue to DJ198I9.1.1 (KIAA1411 (CONTAINS TRANSLATION OF CDNA PLACE1007843 - data source:SPTR, source key:Q9NU48, evidence:ISS	RIKEN cDNA 4921533L14 gene
1.5	Ccar1	homologue to CDNA FLJ10839 FIS, CLONE NT2RP4001276 (FRAGMENT) - putative - data source:SPTR, source key:Q9NVA7, evidence:ISS	cell division cycle and apoptosis regulator 1
1.5	Iap11-1	put. gag and pol gene product (aa 1-814)	intracisternal A particles, II3 linked
1.5	D9Ertd662e		DNA segment, Chr 9, ERATO Doi 662, expressed
1.5	Il6ra	interleukin 6 receptor, $\alpha$ ; IL-6 receptor $\alpha$ chain	interleukin 6 receptor, $\alpha$ (Il6ra)
1.5	Wdr9	WDR protein, form B	WD repeat domain 9
1.5	Aldoa	aldolase 1, A isoform	aldolase 1, A isoform (Aldoa)
1.5	Sdf2	stromal cell derived factor 2	stromal cell derived factor 2 (Sdf2)

1.5	Bbx	HMG-BOX transcription factor BBX	bobby sox homologue ( <i>D. melanogaster</i> ) (Bbx)
1.5	Slmap	sarcolemma associated protein	sarcolemma associated protein (Slmap)
1.5	Zfp68	Zinc finger protein 68	zinc finger protein 68 (Zfp68)
1.5	Crbn	cereblon; novel lethal gene; cDNA sequence AF229032	cereblon (Crbn)
1.5	4930511A21Rik	phosphatase subunit gene g4-1	RIKEN cDNA 4930511A21 gene (4930511A21Rik)
1.5	Nfl	neurofibromin	neurofibromatosis 1
1.5	2810431N21Rik	Similar to phosphoinositol 3-phosphate-binding protein-2	RIKEN cDNA 2810431N21 gene
1.5	Dhx36	DEAD/H box polypeptide 36 protein	DEAH (Asp-Glu-Ala-His) box polypeptide 36
1.5	Dld	dihydrolipoamide dehydrogenase	dihydrolipoamide dehydrogenase (Dld)
1.5	Snx6	sorting nexin 6	sorting nexin 6
1.5	Stam2	signal transducing adaptor molecule (SH3 domain and ITAM motif) 2; Hrs binding protein	signal transducing adaptor molecule (SH3 domain and ITAM motif) 2 (Stam2)
1.5	Ktn1	kinectin 1	kinectin 1 (Ktn1)
1.5	2410018L13Rik		RIKEN cDNA 2410018L13 gene
1.5	Ipmk		inositol polyphosphate multikinase
1.5	Cd2bp2	CD2 antigen (cytoplasmic tail) binding protein 2	CD2 antigen (cytoplasmic tail) binding protein 2 (Cd2bp2)
1.5	D8Ert69e	homologue to KIAA1046 PROTEIN - putative - data source:SPTR, source key:Q9UPV6, evidence:ISS	DNA segment, Chr 8, ERATO Doi 69, expressed
1.5	Maff	v-maf musculoaponeurotic fibrosarcoma oncogene family, protein F; avian musculoaponeurotic fibrosarcoma virus (v-maf) AS42 oncogene, protein F	v-maf musculoaponeurotic fibrosarcoma oncogene family, protein F (avian) (Maff)
1.5	2810002D13Rik	RIKEN cDNA 2810002D13	RIKEN cDNA 2810002D13 gene
1.5	4833412N02Rik	ATP-binding cassette, sub-family B (MDR/TAP), member 8 - data source:MGD, source key:MGI:1351667, evidence:ISS - putative	RIKEN cDNA 4833412N02 gene
1.5	Ube3a	ubiquitin protein ligase E3A isoform 2; ubiquitin protein ligase E3A isoform 1	ubiquitin protein ligase E3A
1.5	AF078112	hypothetical protein	hypothetical protein, AAC33939
1.5	D1Ert251e	Unknown (protein for MGC:8251)	DNA segment, Chr 1, ERATO Doi 251, expressed
1.5	Fbxo3	f-box only protein 3 - putative - data source:MGD, source key:MGI:1929084, evidence:ISS	F-box only protein 3

1.5	4930431B11Rik	RIKEN cDNA 4930431B11	RIKEN cDNA 4930431B11 gene
1.5	Rpa3	replication protein A3	replication protein A3 (Rpa3)
1.5	Blzf1	RIKEN cDNA 1700030G05	basic leucine zipper nuclear factor 1 (Blzf1)
1.5	Aqr	aquarius - data source:MGD, source key:MGId:1276102, evidence:ISS - putative	aquarius
1.5	Wsb1	WSB-1	WD repeat and SOCS box-containing 1 (Wsb1)
1.5	Taf7	TAF7 RNA polymerase II, TATA box binding protein (TBP)-associated factor; TATA box binding protein (TBP) associated factor, RNA polymerase II, F, 55 kD; TAF7 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 55 kD	TAF7 RNA polymerase II, TATA box binding protein (TBP)-associated factor (Taf7)
1.5	Vegfa	VEGF115	vascular endothelial growth factor A
1.5	Creb1	cAMP responsive element binding protein 1 isoform B; cAMP responsive element binding protein 1 isoform A	cAMP responsive element binding protein 1
1.5	Smad5	MAD homologue 5 ( <i>D. melanogaster</i> ) - data source:MGD, source key:MGId:1328787, evidence:ISS - putative	MAD homologue 5 ( <i>D. melanogaster</i> )
1.5	Dlgh1	discs, large homologue 1 ( <i>D. melanogaster</i> )	discs, large homologue 1 ( <i>D. melanogaster</i> ) (Dlgh1)
1.5	Ctbs	homologue to DI-N-ACETYLCHITOBIASE PRECURSOR (EC 3.2.1.-) - putative - data source:SPTR, source key:Q01460, evidence:ISS	chitobiase, di-N-acetyl-
1.5	Snx5	sorting nexin 5	sorting nexin 5 (Snx5)
1.5	Cul4a	Similar to L1 repeat, Tf subfamily, member 30	cullin 4A
1.5	Wrn	Werner syndrome protein	Werner syndrome homologue (human) (Wrn)
1.5	9030416H16Rik		RIKEN cDNA 9030416H16 gene
1.5	2010316F05Rik	putative - related to PUTATIVE DNA-BINDING PROTEIN - data source:SPTR, source key:Q9L4Q7, evidence:ISS	RIKEN cDNA 2010316F05 gene
1.5	4930471O16Rik	RIKEN cDNA 4930471O16	RIKEN cDNA 4930471O16 gene (4930471O16Rik)
1.5	6330407A06Rik	homologue to GIANTIN (GOLGI COMPLEX-ASSOCIATED PROTEIN OF 364 KD) (GCP364) - pu - data source:SPTR, source key:Q63714, evidence:ISS	RIKEN cDNA 6330407A06 gene

1.5	4921517B04Rik	homologue to CDNA: FLJ23033 FIS, CLONE LNG02005 - putative - data source:SPTR, source key:Q9H5U4, evidence:ISS	RIKEN cDNA 4921517B04 gene
1.5	Zfp330	Similar to nucleolar cysteine-rich protein	zinc finger protein 330
1.5	9130002K18Rik	putative - related to PRO-POL-DUTPASE POLYPROTEIN (FRAGMENT) (reverse) - data source:SPTR, source key:O02711, evidence:ISS	RIKEN cDNA 9130002K18 gene
1.5	Ugp2	uridindiphosphoglucosepyrophosphorylase 2	UDP-glucose pyrophosphorylase 2
Fold repression	Gene symbol	Gene name	Alternative gene name
-1.50	Cdh5	cadherin 5; VE-cadherin	cadherin 5 (Cdh5)
-1.50	Anapc5	anaphase-promoting complex subunit 5 - data source:MGD, source key:MGI:1929722, evidence:ISS - putative	anaphase-promoting complex subunit 5
-1.50	2410195B05Rik	Unknown (protein for MGC:6873)	RIKEN cDNA 2410195B05 gene
-1.50	Mrpl34	mitochondrial ribosomal protein L34	mitochondrial ribosomal protein L34 (Mrpl34)
-1.50	0610006I08Rik	RIKEN cDNA 0610006I08	RIKEN cDNA 0610006I08 gene (0610006I08Rik)
-1.50	Mg29	mitsugumin 29	mitsugumin 29 (Mg29)
-1.50	Abcf1	ATP-binding cassette protein	ATP-binding cassette, sub-family F (GCN20), member 1
-1.50	Tapbp	TAP binding protein	TAP binding protein (Tapbp)
-1.50	Ptdss2	phosphatidylserine synthase 2	phosphatidylserine synthase 2 (Ptdss2)
-1.50	Psmd3	Similar to proteasome (prosome, macropain) 26S subunit, non-ATPase, 3	proteasome (prosome, macropain) 26S subunit, non-ATPase, 3
-1.50	C330018L13Rik	ubiquitin conjugating enzyme 7 interacting protein 5	RIKEN cDNA C330018L13 gene (C330018L13Rik)
-1.51	Flna	Unknown (protein for IMAGE:3590270)	filamin, $\alpha$
-1.51	Stmn1	stathmin 1; leukemia-associated gene; leukemia associated phosphoprotein p18; metablastin; oncoprotein18; prosolin	stathmin 1 (Stmn1)
-1.51	Muc4	mucin	mucin 4
-1.51	Stoml1	homologue to SLP-1 (FRAGMENT) - putative - data source:SPTR, source key:Q9UMB9, evidence:ISS	stomatin-like 1
-1.51	Glycam1	GlyCAM-1	glycosylation dependent cell adhesion molecule 1
-1.51	Grb2	growth factor receptor bound protein 2	growth factor receptor bound protein 2 (Grb2)
-1.51	1700021C14Rik		RIKEN cDNA 1700021C14 gene

-1.51	2210016F16Rik	putative - related to CG9752 PROTEIN - data source:SPTR, source key:Q9W2I2, evidence:ISS	RIKEN cDNA 2210016F16 gene
-1.51	Nfic	nuclear factor I/C	nuclear factor I/C
-1.51	Trpc4ap	transient receptor potential cation channel, subfamily C, member 4 associated protein	transient receptor potential cation channel, subfamily C, member 4 associated protein
-1.51	Hist1h2ab	histone 1, H2ab	histone 1, H2ab
-1.51	H2afy	Similar to H2A histone family, member Y	H2A histone family, member Y
-1.51	Sf3b2	homologue to SPLICING FACTOR 3B PROTEIN, SUBUNIT 2 (SF3B150) (SPLICOSOME ASSO - data source:SPTR, source key:Q13435, evidence:ISS	splicing factor 3b, subunit 2
-1.51	Tm4sf8	transmembrane 4 superfamily member 8; tetraspanin; tetraspanin TM4-A homologue	transmembrane 4 superfamily member 8 (Tm4sf8)
-1.51	Tomm40	translocase of outer mitochondrial membrane 40 homologue; mitochondrial outer membrane protein; mitochondrial outer membrane protein 35	translocase of outer mitochondrial membrane 40 homologue (yeast) (Tomm40)
-1.51	Wdr5	WD repeat domain 5; Bmp2-induced gene	WD repeat domain 5 (Wdr5)
-1.51	Bcl2l1	Bcl2-like	Bcl2-like 1 (Bcl2l1)
-1.51	Fath	mouse fat 1 cadherin	fat tumor suppressor homologue ( <i>D. melanogaster</i> )
-1.51	Ube2s	Similar to ubiquitin carrier protein	ubiquitin-conjugating enzyme E2S
-1.51	Rhot2	Unknown (protein for IMAGE:4953782)	ras homologue gene family, member T2
-1.51	Flna	actin binding protein ABP-280	filamin, $\alpha$
-1.51	1110007C09Rik	RIKEN cDNA 1110007C09	RIKEN cDNA 1110007C09 gene
-1.51	2810443J12Rik	WD domain, G- $\beta$ repeat containing protein - data source:Pfam, source key:PF00400, evidence:ISS - putative	RIKEN cDNA 2810443J12 gene
-1.51	Rga	recombination activating gene 1 gene activation	recombination activating gene 1 gene activation (Rga)
-1.51	Slc27a4	fatty acid transport protein 4	solute carrier family 27 (fatty acid transporter), member 4
-1.51	Acp5	acid phosphatase 5, tartrate resistant	acid phosphatase 5, tartrate resistant (Acp5)
-1.51	Dab2		disabled homologue 2 ( <i>D. melanogaster</i> )
-1.51	Psmc3	proteasome (prosome, macropain) 26S subunit, ATPase 3; Tat binding protein 1	proteasome (prosome, macropain) 26S subunit, ATPase 3 (Psmc3)
-1.52	Wbscr1		Williams-Beuren syndrome chromosome region 1 homologue (human)
-1.52	2900055D14Rik	homologue to HSPC198 (HSPC196) (HYPOTHETICAL 19.3 KD PROTEIN) - putative - data source:SPTR, source key:Q9NPI0, evidence:ISS	RIKEN cDNA 2900055D14 gene
-1.52	1110002H13Rik	RIKEN cDNA 1110002H13	RIKEN cDNA 1110002H13 gene (1110002H13Rik)

-1.52	Cxcr4	chemokine (C-X-C motif) receptor 4; chemokine (C-X-C) receptor 4; leukocyte-expressed seven-transmembrane-domain; fusin	chemokine (C-X-C motif) receptor 4 (Cxcr4)
-1.52	Mad2l2	homologue to MITOTIC SPINDLE ASSEMBLY CHECKPOINT PROTEIN MAD2B (MAD2-LIKE 2) ( - data source:SPTR, source key:Q9UI95, evidence:ISS	MAD2 mitotic arrest deficient-like 2 (yeast)
-1.52	4122402O22Rik	homologue to KIAA1418 PROTEIN (FRAGMENT) - putative - data source:SPTR, source key:Q9P2C9, evidence:ISS	RIKEN cDNA 4122402O22 gene
-1.52	Tmem8	transmembrane protein 8 (five membrane-spanning domains); transmembrane protein 6; type I transmembrane protein	transmembrane protein 8 (five membrane-spanning domains) (Tmem8)
-1.52	Plec1	plectin isoform plectin 1b	plectin 1
-1.52	Dhcr24	24-dehydrocholesterol reductase; 3-β-hydroxysterol delta-24 reductase; seladin-1	24-dehydrocholesterol reductase (Dhcr24)
-1.52	9130413I22Rik	RIKEN cDNA 9130413I22	RIKEN cDNA 9130413I22 gene (9130413I22Rik)
-1.52	D11Bwg0280e	DNA segment, Chr 11, Brigham & Women's Genetics 0280e expressed	DNA segment, Chr 11, Brigham & Women's Genetics 0280e expressed
-1.52	Scand1	SCAN domain-containing 1 - data source:MGD, source key:MGD:1343132, evidence:ISS - putative	SCAN domain-containing 1
-1.52	Dlx5	distal-less homeobox 5 isoform 1; distal-less homeobox 5 isoform 2	distal-less homeobox 5
-1.52	Ube2l6	E2 ubiquitin conjugating enzyme; ubiquitin-conjugating enzyme 8	ubiquitin-conjugating enzyme E2L 6 (Ube2l6)
-1.52	1500003O03Rik	calcium binding protein P22	RIKEN cDNA 1500003O03 gene (1500003O03Rik)
-1.52	Nfe2l1	nuclear factor, erythroid derived 2,-like 1	nuclear factor, erythroid derived 2,-like 1 (Nfe2l1)
-1.52	Eif3s9	Unknown (protein for IMAGE:3493441)	eukaryotic translation initiation factor 3, subunit 9 (eta)
-1.52	Eif3s5	homologue to EUKARYOTIC TRANSLATION INITIATION FACTOR 3 SUBUNIT 5 (EIF-3 EPSIL - data source:SPTR, source key:O00303, evidence:ISS	eukaryotic translation initiation factor 3, subunit 5 (epsilon)
-1.52	Csnk1g2	expressed sequence AI463719	casein kinase 1, γ 2
-1.52	Ncbp2	nuclear cap binding protein subunit 2; nuclear cap binding protein subunit 2, 20 kD	nuclear cap binding protein subunit 2 (Ncbp2)
-1.52	BC002199	Similar to hypothetical protein PRO0971	cDNA sequence BC002199
-1.52	Grasp	GRP1-associated scaffold protein	GRP1 (general receptor for phosphoinositides 1)-associated scaffold protein (Grasp)
-1.52	Gna-rs1	Unknown (protein for MGC:11530)	guanine nucleotide binding protein, related sequence 1
-1.52	Sqle	squalene epoxidase; squalene monooxygenase	squalene epoxidase (Sqle)
-1.52	Ifrd2	interferon-related developmental regulator 2	interferon-related developmental regulator 2 (Ifrd2)
-1.52	Scrib	PDZ-domain protein scribble	scribbled homologue ( <i>D. melanogaster</i> )
-1.52	Cd68	CD68 antigen; macrosialin	CD68 antigen (Cd68)

-1.52	Runx2	runt related transcription factor 2	runt related transcription factor 2
-1.53	Cuedc2	RIKEN cDNA 3010002G01	CUE domain containing 2
-1.53	Oprm	opioid receptor, mu	opioid receptor, mu
-1.53	Exosc5	DNA segment, Chr 7, Wayne State University 180, expressed - data source:MGD, source key:MGD:107889, evidence:ISS - putative	exosome component 5
-1.53	Nlk	nemo like kinase	nemo like kinase (Nlk)
-1.53	Znrd1	nuclear RNA polymerase I small specific subunit	zinc ribbon domain containing, 1 (Znrd1)
-1.53	Asf1a	ASF1 anti-silencing function 1 homologue A	ASF1 anti-silencing function 1 homologue A ( <i>S. cerevisiae</i> ) (Asf1a)
-1.53	2610017G09Rik	homologue to HYPOTHETICAL 24.1 KD PROTEIN - putative - data source:SPTR, source key:Q9H0A7, evidence:ISS	RIKEN cDNA 2610017G09 gene
-1.53	Nif3l1	Ngg1 interacting factor 3-like 1 ( <i>S. pombe</i> ); Ngg1 interacting factor 3 homologue ( <i>S. pombe</i> )-like 1	Ngg1 interacting factor 3-like 1 ( <i>S. pombe</i> ) (Nif3l1)
-1.53	Fxc1	fractured callus expressed transcript 1; Fracture Callus 1; small zinc finger-like protein	fractured callus expressed transcript 1 (Fxc1)
-1.53	Itgb5	integrin β 5	integrin β 5
-1.53	Dad1	defender against cell death 1	defender against cell death 1 (Dad1)
-1.53	Atp2a2	ATPase, Ca++ transporting, cardiac muscle, slow twitch 2; sarco/endoplasmic reticulum Ca2+-ATPase 2	ATPase, Ca++ transporting, cardiac muscle, slow twitch 2 (Atp2a2)
-1.53	Snrp1c	U1 small nuclear ribonucleoprotein 1C	U1 small nuclear ribonucleoprotein 1C (Snrp1c)
-1.53	9530020D24Rik	Similar to Rab9 effector p40	RIKEN cDNA 9530020D24 gene
-1.53	Aldh3a2	aldehyde dehydrogenase family 3, subfamily A2; aldehyde dehydrogenase 4, liver microsomal (class 3); alcohol dehydrogenase family 3, subfamily A2; aldehyde dehydrogenase 4, liver microsomal (class 3) regulator	aldehyde dehydrogenase family 3, subfamily A2 (Aldh3a2)
-1.53	4833427B12Rik	homologue to HSPC037 PROTEIN - putative - data source:SPTR, source key:Q9Y248, evidence:ISS	RIKEN cDNA 4833427B12 gene
-1.53	Smarca4	N-terminal region of the protein	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 4
-1.53	Nfia	nuclear factor I/A	nuclear factor I/A
-1.53	Otub1	Unknown (protein for MGC:31052)	OTU domain, ubiquitin aldehyde binding 1
-1.53	Ace	angiotensin-converting enzyme	angiotensin converting enzyme
-1.53	Gpsn2	synaptic glycoprotein SC2	glycoprotein, synaptic 2
-1.53	Psme3	proteasome activator subunit 3	proteasome (prosome, macropain) 28 subunit, 3 (Psme3)
-1.53	Sgpp1	sphingosine-1-phosphate phosphatase 1	sphingosine-1-phosphate phosphatase 1 (Sgpp1)

-1.53	Cops7a	COP9 (constitutive photomorphogenic) homologue, subunit 7a	COP9 (constitutive photomorphogenic) homologue, subunit 7a ( <i>Arabidopsis thaliana</i> )
-1.53	Kbtbd3	homologue to DA22D12.1 - putative - data source:SPTR, source key:Q9Y3J5, evidence:ISS	kelch repeat and BTB (POZ) domain containing 3
-1.53	Hnrpd	heterogeneous nuclear ribonucleoprotein D	heterogeneous nuclear ribonucleoprotein D
-1.53	1110014C03Rik	Unknown (protein for MGC:7365)	RIKEN cDNA 1110014C03 gene
-1.53	p53	p53-variant	p53-variant (p53) mRNA, partial cds
-1.53	Ndufb8	NADH dehydrogenase (ubiquinone) 1 β subcomplex 8	NADH dehydrogenase (ubiquinone) 1 β subcomplex 8 (Ndufb8)
-1.53	D15Wsu75e	D15Wsu75e protein	DNA segment, Chr 15, Wayne State University 75, expressed
-1.53	Mrpl11	mitochondrial ribosomal protein L11	mitochondrial ribosomal protein L11 (Mrpl11)
-1.53	Fcgr3	Fc receptor, IgG, low affinity III; Fcg receptor III; Fc $\gamma$ RIII	Fc receptor, IgG, low affinity III (Fcgr3)
-1.53			
-1.53	Mrpl28	RIKEN cDNA 1110015G04	mitochondrial ribosomal protein L28 (Mrpl28), nuclear gene encoding mitochondrial protein
-1.53	Glx2	glutaredoxin 2	glutaredoxin 2 (thioltransferase)
-1.54	Dbi	diazepam binding inhibitor; acyl-CoA binding protein; diazepam-binding inhibitor	diazepam binding inhibitor (Dbi)
-1.54	Uble1a	ubiquitin-like 1 (sentrin) activating enzyme subunit 1	ubiquitin-like 1 (sentrin) activating enzyme E1A
-1.54	Gdi-1	RhoGDI-1	Gdi-1 mRNA for RhoGDI-1, complete cds
-1.54	1110001F24Rik	glycolipid transfer protein	glycolipid transfer protein (Gltp)
-1.54	Rpn1	Similar to Ribophorin I	ribophorin I
-1.54	Cst3	cystatin 3	cystatin C (Cst3)
-1.54	Tmem9	transmembrane protein 9	transmembrane protein 9 (Tmem9)
-1.54	Edg2	endothelial differentiation, lysophosphatidic acid G-protein-coupled receptor, 2; G-protein coupled receptor 26; clone 4.9	endothelial differentiation, lysophosphatidic acid G-protein-coupled receptor, 2 (Edg2)
-1.54	Runx2	runt related transcription factor 2	runt related transcription factor 2
-1.54	Tbx2	T-box 2	T-box 2 (Tbx2)
-1.54	Nasp	nuclear autoantigenic sperm protein	nuclear autoantigenic sperm protein (histone-binding)
-1.54	D11Wsu68e	DNA segment, Chr 11, Wayne State University 68, expressed	DNA segment, Chr 11, Wayne State University 68, expressed (D11Wsu68e)
-1.54	Mest	mesoderm specific transcript; EST AI256745	mesoderm specific transcript (Mest)
-1.54	Rab11b	RAB11B, member RAS oncogene family	RAB11B, member RAS oncogene family (Rab11b)

-1.54	D4st1	putative - similar to CHONDROITIN 4-O-SULFOTRANSFERASE - data source:SPTR, source key:Q9JJS2, evidence:ISS	dermatan 4 sulfotransferase 1
-1.54	Mad1l1	mitotic checkpoint protein isoform MAD1a	mitotic arrest deficient 1-like 1
-1.54	Ndst2	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 2; mastocytoma N-deacetylase/N-sulfotransferase; glucosaminyl N-deacetylase/N-sulphotransferase 2; HEPARAN N-SULFOTRANSFERASE 2; glucosaminyl N-deacetylase/N-sulphotransferase-2; HEPARAN SULFATE N-DE	N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 2 (Ndst2)
-1.54	Laptm4b	lysosomal-associated protein transmembrane 4B; lysosomal-associated transmembrane protein 4	lysosomal-associated protein transmembrane 4B (Laptm4b)
-1.54	Mrps18b	mitochondrial ribosomal protein S18B	mitochondrial ribosomal protein S18B
-1.54	AI837181	Similar to hypothetical protein p5326	expressed sequence AI837181
-1.54	Anapc11	anaphase promoting complex subunit 11 homologue	anaphase promoting complex subunit 11 homologue (yeast) (Anapc11)
-1.54	Sepn1		selenoprotein N, 1
-1.54	Pcbp2	poly(rC) binding protein 2	poly(rC) binding protein 2
-1.55	Mdk-ps1		midkine pseudogene 1
-1.55	Pcdh8	protocadherin 8 - putative - data source:MGD, source key:MGI:1306800, evidence:ISS	protocadherin 8
-1.55	3732413I11Rik	homologue to MULTIPLE MEMBRANE SPANNING RECEPTOR TRC8 (PATCHED RELATED PROTEIN - data source:SPTR, source key:O75485, evidence:ISS	RIKEN cDNA 3732413I11 gene
-1.55	4921524J17Rik	DNA binding domain with preference for A/T rich regions containing protein - data source:Pfam, source key:PF02178, evidence:ISS - putative	RIKEN cDNA 4921524J17 gene
-1.55	Pabpc4	similar to poly(A)-binding protein, cytoplasmic 4 (inducible form)	poly A binding protein, cytoplasmic 4 (Pabpc4), transcript variant 1
-1.55	Mapk14	mitogen activated protein kinase 14; cytokine suppressive anti-inflammatory drug binding protein 1; p38 MAP Kinase	mitogen activated protein kinase 14 (Mapk14)
-1.55	1300001I01Rik	homologue to PUTATIVE EUKARYOTIC TRANSLATION INITIATION FACTOR 3 SUBUNIT (EIF-3) - data source:SPTR, source key:O75153, evidence:ISS	RIKEN cDNA 1300001I01 gene
-1.55	1700093E07Rik	Unknown (protein for MGC:6924)	RIKEN cDNA 1700093E07 gene
-1.55	Prom1	prominin 1; prominin-like 1	prominin 1 (Prom1)
-1.55	Uchl1	ubiquitin carboxy-terminal hydrolase L1; gracile axonal dystrophy; protein gene product 9.5	ubiquitin carboxy-terminal hydrolase L1 (Uchl1)
-1.55	BC003324	cDNA sequence BC003324	cDNA sequence BC003324 (BC003324)
-1.55	Zfp13	zinc finger protein 13	zinc finger protein 13
-1.55	Il1rl11	interleukin 1 receptor-like 1 ligand	interleukin 1 receptor-like 1 ligand

-1.55	Mrpl20	mitochondrial ribosomal protein L20	mitochondrial ribosomal protein L20
-1.55	Fxr1h		fragile X mental retardation gene 1, autosomal homologue
-1.55	Il2rg	interleukin 2 receptor, $\gamma$ chain; $\gamma$ C receptor; common $\gamma$ chain; common cytokine receptor $\gamma$ chain	interleukin 2 receptor, $\gamma$ chain (Il2rg)
-1.55		Similar to polymerase I and transcript release factor	mRNA similar to polymerase I and transcript release factor (cDNA clone MGC:13867 IMAGE:4206082), complete cds
-1.55	Birc5		baculoviral IAP repeat-containing 5
-1.55	1200003O06Rik	homologue to CDNA FLJ14153 FIS, CLONE NT2RM1000092, WEAKLY SIMILAR TO MULTIDRUG - data source:SPTR, source key:Q9H7X1, evidence:ISS	RIKEN cDNA 1200003O06 gene
-1.55	Entpd4	lysosomal apyrase-like 1	ectonucleoside triphosphate diphosphohydrolase 4
-1.55	Pitpn	phosphatidylinositol transfer protein; Pitp $\alpha$	phosphatidylinositol transfer protein (Pitpn)
-1.55			envelope polyprotein; Mouse endogenous mammary tumor virus (MMTV) RNA, env gene and right LTR
-1.55	Nrbf1	nuclear receptor-binding factor 1	nuclear receptor binding factor 1 (Nrbf1)
-1.55	Slc6a8	sodium and chloride dependent creatine transporter	solute carrier family 6 (neurotransmitter transporter, creatine), member 8
-1.55	Dab1	disabled homologue 1	disabled homologue 1 ( <i>D. melanogaster</i> )
-1.56	E430021N18Rik	Unknown (protein for MGC:30368)	RIKEN cDNA E430021N18 gene
-1.56	Tm4sf7	transmembrane 4 superfamily member 7; tetraspanin 4; novel antigen 2; tetraspan TM4SF	transmembrane 4 superfamily member 7 (Tm4sf7)
-1.56	Runx2	runt related transcription factor 2	runt related transcription factor 2
-1.56	Ovca2-pending	candidate tumor suppressor OVCA2	candidate tumor suppressor OVCA2 (Ovca2)
-1.56	AW548124	Unknown (protein for IMAGE:5134400)	expressed sequence AW548124
-1.56	Rhbdf1	C16ORF8	rhomboid family 1 ( <i>D. melanogaster</i> )
-1.56	Ormdl3	ORM1-like 3	ORM1-like 3 ( <i>S. cerevisiae</i> ) (Ormdl3)
-1.56	Nptxr	chromobox homologue 6	neuronal pentraxin receptor
-1.56	Coro1c	coronin, actin binding protein 1C; coronin 3; coronin 1c	coronin, actin binding protein 1C (Coro1c)
-1.56	Il1rl11	putative T1/ST2 receptor binding protein precursor	interleukin 1 receptor-like 1 ligand
-1.56	1810031K02Rik	MMAN-7	RIKEN cDNA 1810031K02 gene
-1.56	Gpx4	glutathione peroxidase 4	glutathione peroxidase 4

-1.56	Nf2	neurofibromatosis 2	neurofibromatosis 2
-1.56	Tmem14c	transmembrane protein 14C	transmembrane protein 14C (Tmem14c)
-1.56	Pigq	glycosylphosphatidylinositol 1 homologue	phosphatidylinositol glycan, class Q
-1.56	Map2k7	mitogen activated protein kinase kinase 7	mitogen activated protein kinase kinase 7
-1.56	Bat1a	HLA-B-associated transcript 1A; nuclear RNA helicase Bat1	HLA-B-associated transcript 1A (Bat1a)
-1.56	Rent1	regulator of nonsense transcripts 1; nonsense mRNA reducing factor 1	regulator of nonsense transcripts 1 (Rent1)
-1.56	4933424M23Rik	homologue to PHOSPHATIDYLGLYCEROPHOSPHATE SYNTHASE - putative - data source:SPTR, source key:Q9Z2Z7, evidence:ISS	RIKEN cDNA 4933424M23 gene
-1.56	Baiap2	brain-specific angiogenesis inhibitor 1-associated protein 2	brain-specific angiogenesis inhibitor 1-associated protein 2
-1.56	1110049F12Rik	homologue to AD039 (HYPOTHETICAL 24.2 KD PROTEIN) - putative - data source:SPTR, source key:Q9GZP4, evidence:ISS	RIKEN cDNA 1110049F12 gene
-1.56	Phgdh	A10	3-phosphoglycerate dehydrogenase
-1.56	C030002N13Rik	Similar to hypothetical protein	RIKEN cDNA C030002N13 gene
-1.56	Whrn	homologue to CDNA FLJ12792 FIS, CLONE NT2RP2002032 - putative - data source:SPTR, source key:Q9H9F4, evidence:ISS	whirlin
-1.56	1500004O14Rik	RIKEN cDNA 1500004O14	RIKEN cDNA 1500004O14 gene (1500004O14Rik)
-1.57	4833439L19Rik	guanylate kinase membrane-associated inverted 1 - putative - data source:MGD, source key:MGD:1203522, evidence:ISS	RIKEN cDNA 4833439L19 gene
-1.57	Rgs3	regulator of G-protein signaling 3	regulator of G-protein signaling 3
-1.57	Sparc	secreted acidic cysteine rich glycoprotein; osteonectin	secreted acidic cysteine rich glycoprotein (Sparc)
-1.57	Phgdhl1		phosphoglycerate dehydrogenase like 1
-1.57	Tsc2		tuberous sclerosis 2
-1.57	Actr1a	ARP1 actin-related protein 1 homologue A	ARP1 actin-related protein 1 homologue A (yeast)
-1.57	4632417N05Rik	putative - related to PUTATIVE NAD(P)-DEPENDENT CHOLESTEROL DEHYDROGENASE - data source:SPTR, source key:O22813, evidence:ISS	RIKEN cDNA 4632417N05 gene
-1.57	Ube2v1	ubiquitin-conjugating enzyme E2	ubiquitin-conjugating enzyme E2 variant 1
-1.57	Ddx26	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 26; Notch2-like	DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide 26 (Ddx26)
-1.57	BC014685	Unknown (protein for MGC:25977)	cDNA sequence BC014685
-1.57	Tnfrsf1b	tumor necrosis factor receptor superfamily, member 1b	tumor necrosis factor receptor superfamily, member 1b

-1.57	Surf5	surfeit gene 5	surfeit gene 5 (Surf5)
-1.57	Myl9		myosin, light polypeptide 9, regulatory
-1.57	Hdac3	histone deacetylase 3	histone deacetylase 3 (Hdac3)
-1.57	2310004L02Rik	RIKEN cDNA 2310004L02	RIKEN cDNA 2310004L02 gene (2310004L02Rik)
-1.57	1110001F24Rik	glycolipid transfer protein	glycolipid transfer protein
-1.57	Oprs1	sigma 1 receptor $\beta$ variant	opioid receptor, sigma 1
-1.58	Rrbp1	ribosome binding protein 1 isoform mRRp61; ribosome binding protein 1 isoform mRRp47	ribosome binding protein 1
-1.58	Kcnk5	potassium channel, subfamily K, member 5; potassium inwardly-rectifying channel, subfamily K, member 5	potassium channel, subfamily K, member 5 (Kcnk5)
-1.58	Pld3	phospholipase D3	phospholipase D3 (Pld3)
-1.58	Ddx54	putative - related to SIMILAR ATP-DEPENDENT RNA HELICASE - data source:SPTR, source key:O49289, evidence:ISS	DEAD (Asp-Glu-Ala-Asp) box polypeptide 54
-1.58	1810034K20Rik	magnesium-dependent phosphatase-1	RIKEN cDNA 1810034K20 gene
-1.58	Timm23	translocase of inner mitochondrial membrane 23 homologue	translocase of inner mitochondrial membrane 23 homologue (yeast) (Timm23)
-1.58	Rab3il1	Unknown (protein for MGC:28059)	RAB3A interacting protein (rabin3)-like 1
-1.58	Tde1	tumor differentially expressed 1	tumor differentially expressed 1 (Tde1)
-1.58	1110061L23Rik	homologue to CDNA FLJ20643 FIS, CLONE KAT02633 - putative - data source:SPTR, source key:Q9NWS0, evidence:ISS	RIKEN cDNA 1110061L23 gene
-1.58	Psen2	presenilin 2	presenilin 2 (Psen2)
-1.58	Stx18	syntaxin 18	syntaxin 18
-1.58	Polr2i	homologue to DNA-DIRECTED RNA POLYMERASE II 14.5 KD POLYPEPTIDE (EC 2.7.7.6) - data source:SPTR, source key:P36954, evidence:ISS	polymerase (RNA) II (DNA directed) polypeptide I
-1.58	H2-D1	histocompatibility 2, D region locus 1	histocompatibility 2, D region locus 1
-1.58	Znhit1	homologue to PUTATIVE CYCLIN G1 INTERACTING PROTEIN - putative - data source:SPTR, source key:O43257, evidence:ISS	zinc finger, HIT domain containing 1
-1.58	Anxa6	annexin A6	annexin A6 (Anxa6)
-1.58	Crabp1	cellular retinoic acid binding protein I	cellular retinoic acid binding protein I (Crabp1)
-1.58	1500011L16Rik	RIKEN cDNA 1500011L16	RIKEN cDNA 1500011L16 gene
-1.58	Cd33	CD33 antigen	CD33 antigen (Cd33)
-1.58	Dbn1	drebrin 1	drebrin 1 (Dbn1)

-1.58	Elavl1	ELAV (embryonic lethal, abnormal vision, <i>D. melanogaster</i> )-like 1 (Hu antigen R)	ELAV (embryonic lethal, abnormal vision, <i>D. melanogaster</i> )-like 1 (Hu antigen R) (Elavl1)
-1.59	Mbc2	membrane bound C2 domain containing protein	membrane bound C2 domain containing protein
-1.59	Mospd3	homologue to ORF3, SPLICEVARIANTC - putative - data source:SPTR, source key:O75424, evidence:ISS	motile sperm domain containing 3
-1.59	Bat2	HLA-B associated transcript 2	HLA-B associated transcript 2 (Bat2)
-1.59	4930526H21Rik	MORN motif containing protein - data source:Pfam, source key:PF02493, evidence:ISS - putative	RIKEN cDNA 4930526H21 gene
-1.59	Cops7a	COP9 (constitutive photomorphogenic) homologue, subunit 7a; COP9 (constitutive photomorphogenic), subunit 7a ( <i>Arabidopsis thaliana</i> ) (Cops7a); COP9 complex S7a	COP9 (constitutive photomorphogenic) homologue, subunit 7a ( <i>Arabidopsis thaliana</i> ) (Cops7a)
-1.59		ADP-ribosylation factor 6 - data source:MDG, source key:MGI:99435, evidence:ISS - putative	adult male testis cDNA, RIKEN full-length enriched library, clone:4933417N04 product:hypothetical protein, full insert sequence
-1.59	Gprk6	G-protein coupled receptor kinase 6-B	G protein-coupled receptor kinase 6
-1.59	Calm3	calmodulin 3	calmodulin 3 (Calm3)
-1.59			adult male tongue cDNA, RIKEN full-length enriched library, clone:2310007G06 product:protein phosphatase 1, regulatory (inhibitor) subunit 2, full insert sequence
-1.59	Map2k7	mitogen activated protein kinase kinase 7	mitogen activated protein kinase kinase 7
-1.59	9930013L23Rik		RIKEN cDNA 9930013L23 gene
-1.59	Ap1m1	adaptor-related protein complex AP-1, mu subunit 1	adaptor-related protein complex AP-1, mu subunit 1 (Ap1m1)
-1.59	Ppp1r14b	protein phosphatase 1, regulatory (inhibitor) subunit 14B; phospholipase c neighboring	protein phosphatase 1, regulatory (inhibitor) subunit 14B (Ppp1r14b)
-1.59			Sequence 3 from Patent WO0181623
-1.59	Gus	β-glucuronidase	β-glucuronidase
-1.59	Matn1	matrilin 1, cartilage matrix protein 1	matrilin 1, cartilage matrix protein 1 (Matn1)
-1.59	Hras1	Harvey rat sarcoma virus oncogene 1	Harvey rat sarcoma virus oncogene 1 (Hras1)
-1.59	E130307M08Rik	homologue to R31167_1, PARTIAL PROTEIN (FRAGMENT) - putative - data source:SPTR, source key:Q9Y2P2, evidence:ISS	RIKEN cDNA E130307M08 gene
-1.59	Sdc1	syndecan 1	syndecan 1
-1.59	H2-K1		histocompatibility 2, K1, K region
-1.59	Crip1	cysteine-rich protein 1 (intestinal); cysteine rich intestinal protein	cysteine-rich protein 1 (intestinal) (Crip1)
-1.59	Tsc2		tuberous sclerosis 2

-1.59	2010005A06Rik	Similar to protocadherin 1 (cadherin-like 1)	RIKEN cDNA 2010005A06 gene
-1.59	9930013L23Rik	KIAA1199-related protein	RIKEN cDNA 9930013L23 gene
-1.59	Ckap1	cytoskeleton-associated protein 1	cytoskeleton-associated protein 1 (Ckap1)
-1.59	1810057P16Rik		RIKEN cDNA 1810057P16 gene
-1.60	0610042I15Rik	prenylated SNARE protein	RIKEN cDNA 0610042I15 gene (0610042I15Rik)
-1.60	Ptbp1	Similar to polypyrimidine tract binding protein (heterogeneous nuclear ribonucleoprotein I)	polypyrimidine tract binding protein 1
-1.60	Prrx2	paired related homeobox 2	paired related homeobox 2
-1.60	Pxn	paxillin $\alpha$ ; paxillin $\beta$	paxillin
-1.60	Pgd	RIKEN cDNA 0610042A05 gene	phosphogluconate dehydrogenase
-1.60	Ppfibp2	protein tyrosine phosphatase, receptor-type, F interacting protein, binding protein 2	protein tyrosine phosphatase, receptor-type, F interacting protein, binding protein 2
-1.60	Col9a2	procollagen, type IX, $\alpha$ 2	procollagen, type IX, $\alpha$ 2
-1.60	Bmp2	bone morphogenetic protein 2	bone morphogenetic protein 2 (Bmp2)
-1.60	Rhoc	ras homologue gene family, member C; aplysia ras-related homologue 9 (RhoC); ras homologue 9 (RhoC)	ras homologue gene family, member C (Rhoc)
-1.60	Cox6b	cytochrome c oxidase, subunit VIb	cytochrome c oxidase, subunit VIb (Cox6b)
-1.60	Tnncc2	fast skeletal muscle troponin C; troponin C, fast skeletal	troponin C2, fast (Tnncc2)
-1.60	C330027I04Rik	RIKEN cDNA C330027I04	RIKEN cDNA C330027I04 gene
-1.60	Fbxo31	RIKEN cDNA 2310046N15	F-box only protein 31
-1.60	Fcgtr	Fc receptor, IgG, $\alpha$ chain transporter; neonatal Fc receptor	Fc receptor, IgG, $\alpha$ chain transporter (Fcgrt)
-1.60	Gtf3a	homologue to TRANSCRIPTION FACTOR IIIA (FACTOR A) (TFIIIA) - putative - data source:SPTR, source key:Q92664, evidence:ISS	general transcription factor III A
-1.60	Fbn1	fibrillin 1	fibrillin 1
-1.60	Pkig	cAMP-dependent protein kinase inhibitor $\gamma$	protein kinase inhibitor, $\gamma$ (Pkig)
-1.60	Atbf1	AT motif binding factor 1	AT motif binding factor 1 (Atbf1)
-1.60	Avil	advillin	advillin (Avil)
-1.60	Elov11	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 1	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 1
-1.61	2410016O06Rik	RIKEN cDNA 2410016O06	RIKEN cDNA 2410016O06 gene (2410016O06Rik)
-1.61	Sh2d3c	SH2 domain containing 3C	SH2 domain containing 3C

-1.61	Lmnb2	lamin B2	lamin B2 (Lmnb2)
-1.61	Ring1	ring finger protein 1	ring finger protein 1 (Ring1)
-1.61	Bicd2	bicaudal D homologue 2	bicaudal D homologue 2 ( <i>D. melanogaster</i> )
-1.61	Mcrs1	microspherule protein 1; nucleolar protein	microspherule protein 1 (Mcrs1)
-1.61	Actrla	ARP1 actin-related protein 1 homologue A; actin-related protein 1 $\alpha$ ; actin-related protein 1 homologue A (yeast); Arp1 contractin $\alpha$ ; Arp1 centracitin $\alpha$	ARP1 actin-related protein 1 homologue A (yeast) (Actrla)
-1.61	Tnnt3	troponin T3, skeletal, fast; skeletal muscle fast-twitch TnT	troponin T3, skeletal, fast (Tnnt3)
-1.61	Ssr2	signal sequence receptor, $\beta$	signal sequence receptor, $\beta$ (Ssr2)
-1.61	Arpc4	actin related protein 2/3 complex, subunit 4; actin related protein 2/3 complex, subunit 4 (20 kD)	actin related protein 2/3 complex, subunit 4 (Arpc4)
-1.61	Adam15	a disintegrin and metalloprotease domain 15 (metarginidin)	a disintegrin and metalloproteinase domain 15 (metarginidin) (Adam15)
-1.61	Aacs	homologue to rat ACETOACETYL-COA SYNTHETASE (EC 6.2.1.16) - putative - data source:SPTR, source key:Q9JMI1, evidence:ISS	acetoacetyl-CoA synthetase
-1.61	Hsd17b7	hydroxysteroid 17- $\beta$ dehydrogenase 7	hydroxysteroid (17- $\beta$ ) dehydrogenase 7 (Hsd17b7)
-1.61	Nsep1	nuclease sensitive element binding protein 1; Y box protein 1; DNA binding protein B; Y-box binding protein 1	nuclease sensitive element binding protein 1 (Nsep1)
-1.61	Olfm1	olfactomedin 1; olfactomedin related ER localized protein; Noelin 1; Noelin 2; Pancortin 1-4	olfactomedin 1 (Olfm1)
-1.61	Slc35b1	embryonic seven-span transmembrane protein-like protein	solute carrier family 35, member B1
-1.61	Sh3gl1	SH3-domain GRB2-like 1; SH3 domain protein 2B; endophilin II	SH3-domain GRB2-like 1 (Sh3gl1)
-1.61	Ctdp1	homologue to SERINE PHOSPHATASE FCP1A - putative - data source:SPTR, source key:Q9Y6F5, evidence:ISS	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) phosphatase, subunit 1
-1.61	4933415I03Rik		RIKEN cDNA 4933415I03 gene
-1.61	Ptpns1	protein tyrosine phosphatase, non-receptor type substrate; brain immunological-like with tyrosine-based motifs	protein tyrosine phosphatase, non-receptor type substrate 1 (Ptpns1)
-1.61	Trim28	tripartite motif protein 28	tripartite motif protein 28
-1.61	Mvk	mevalonate kinase	mevalonate kinase (Mvk)
-1.61	Fibp	FGF intracellular binding protein; aFGF intracellular binding protein	fibroblast growth factor (acidic) intracellular binding protein (Fibp)
-1.61	Ms4a6c	membrane-spanning 4-domains, subfamily A, member 6C	membrane-spanning 4-domains, subfamily A, member 6C (Ms4a6c)
-1.61	Nfia	nuclear factor I/A	nuclear factor I/A (Nfia)
-1.61	0610031J06Rik	kidney predominant protein NCU-G1	RIKEN cDNA 0610031J06 gene (0610031J06Rik)
-1.61	Tbrg4	Unknown (protein for MGC:7001)	transforming growth factor $\beta$ regulated gene 4

-1.61		UBE-1c2	
-1.62	Tubg1	Unknown (protein for MGC:8041)	tubulin, $\gamma$ 1
-1.62	Dsc1	desmocollin 1	desmocollin 1 (Dsc1)
-1.62	Slc25a3	Similar to solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 3	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 3
-1.62	Dlx5	distal-less homeobox 5 isoform 1; distal-less homeobox 5 isoform 2	distal-less homeobox 5 (Dlx5), transcript variant 1
-1.62		anti-estradiol monoclonal antibody 9D3 kappa light chain variable region	isolate G1-12 anti-GBM immunoglobulin kappa chain variable region mRNA, partial cds
-1.62	Hist1h2ai		histone 1, H2ai
-1.62	Apod	apolipoprotein D	apolipoprotein D (Apod)
-1.62	Slc10a3	Similar to Protein P3	solute carrier family 10 (sodium/bile acid cotransporter family), member 3
-1.62	Cenpb	centromere autoantigen B	centromere autoantigen B
-1.62	Cited2		Cbp/p300-interacting transactivator, with Glu/Asp-rich carboxy-terminal domain, 2
-1.62	Set	SET translocation	SET translocation (Set)
-1.62	BC010304	Unknown (protein for IMAGE:3597827)	cDNA sequence BC010304
-1.62	2400001E08Rik	RIKEN cDNA 2400001E08	RIKEN cDNA 2400001E08 gene (2400001E08Rik)
-1.62	1700037H04Rik	RIKEN cDNA 1700037H04	RIKEN cDNA 1700037H04 gene (1700037H04Rik)
-1.62	2410004N11Rik	RIKEN cDNA 2410004N11	RIKEN cDNA 2410004N11 gene (2410004N11Rik)
-1.62	Hira	histone cell cycle regulation defective homologue A	histone cell cycle regulation defective homologue A ( <i>S. cerevisiae</i> )
-1.62	Bak1	BCL2-antagonist/killer 1	BCL2-antagonist/killer 1
-1.62	Myl1	myosin, light polypeptide 1, alkali; atrial, embryonic	myosin, light polypeptide 1
-1.63	Smarcd2	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 2	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily d, member 2 (Smarcd2)
-1.63	Mrpl20	mitochondrial ribosomal protein L20	mitochondrial ribosomal protein L20
-1.63	Glb1	galactosidase, $\beta$ 1	galactosidase, $\beta$ 1
-1.63	Herc2	hect (homologous to the E6-AP (UBE3A) carboxyl terminus) domain and RCC1 (CHC1)-like domain (RLD) 2	hect (homologous to the E6-AP (UBE3A) carboxyl terminus) domain and RCC1 (CHC1)-like domain (RLD) 2
-1.63	Acat2	acetyl-Coenzyme A acetyltransferase 2	acetyl-Coenzyme A acetyltransferase 2
-1.63	Aqp4	aquaporin 4	aquaporin 4
-1.63	Tram2	TRAM2	translocating chain-associating membrane protein 2

-1.63	Parva	parvin, $\alpha$ ; actopaxin	parvin, $\alpha$ (Parva)
-1.63	Glb1l	Similar to galactosidase, $\beta$ 1	galactosidase, $\beta$ 1-like
-1.63	2310044P18Rik	Similar to hypothetical protein MGC2744	RIKEN cDNA 2310044P18 gene
-1.64	BC020108	Unknown (protein for IMAGE:3991175)	cDNA sequence BC020108
-1.64	3100002P13Rik	RIKEN cDNA 3100002P13	RIKEN cDNA 3100002P13 gene
-1.64	1500034J01Rik		RIKEN cDNA 1500034J01 gene
-1.64	Irf3	interferon regulatory factor 3	interferon regulatory factor 3 (Irf3)
-1.64	Uqcr	ubiquinol-cytochrome c reductase subunit	ubiquinol-cytochrome c reductase (6.4kD) subunit (Uqcr)
-1.64	2010110O04Rik	homologue to CARCINOEMBRYONIC ANTIGEN PRECURSOR (CEA) (MECONIUM ANTIGEN 100) ( - data source:SPTR, source key:P06731, evidence:ISS	RIKEN cDNA 2010110O04 gene
-1.64	Lsm7	LSM7 homologue, U6 small nuclear RNA associated	LSM7 homologue, U6 small nuclear RNA associated ( <i>S. cerevisiae</i> ) (Lsm7)
-1.64	Col15a1	procollagen, type XV	procollagen, type XV (Col15a1)
-1.64	Ube2j2	ubiquitin conjugating enzyme 6; Ubc6p homologue	ubiquitin-conjugating enzyme E2, J2 homologue (yeast) (Ube2j2)
-1.64	Arhgap1	Similar to Rho GTPase activating protein 1	Rho GTPase activating protein 1
-1.64	Pak4	homologue to SERINE/THREONINE-PROTEIN KINASE PAK 4 (EC 2.7.1.-) (P21-ACTIVATED - data source:SPTR, source key:O96013, evidence:ISS	p21 (CDKN1A)-activated kinase 4
-1.64	Itgb5	integrin $\beta$ 5; EST AA475909	integrin $\beta$ 5 (Itgb5)
-1.64	Tmem8	transmembrane protein 8 (five membrane-spanning domains)	transmembrane protein 8 (five membrane-spanning domains)
-1.64	Ran	RAN, member RAS oncogene family	RAN, member RAS oncogene family
-1.64	Abca2	ATP-binding cassette, sub-family A (ABC1), member 2; ATP-binding cassette 2	ATP-binding cassette, sub-family A (ABC1), member 2 (Abca2)
-1.64	Hrmt1l2	heterogeneous nuclear ribonucleoproteins methyltransferase-like 2	heterogeneous nuclear ribonucleoproteins methyltransferase-like 2 ( <i>S. cerevisiae</i> )
-1.64	Oaz3	ornithine decarboxylase antizyme 3	ornithine decarboxylase antizyme 3
-1.64	AB023957	ethanol induced gene product	cDNA sequence AB023957
-1.64	Ncdn-pending	neurochondrin; neurochondrin-1; neurochondrin-2; minisatellite 10ae detected by probe MMS10	neurochondrin (Ncdn)
-1.64	Scgf	stem cell growth factor precursor	stem cell growth factor (Scgf)
-1.65	U2af2	U2 small nuclear ribonucleoprotein auxiliary factor (U2AF) 2	U2 small nuclear ribonucleoprotein auxiliary factor (U2AF) 2
-1.65	Ranbp1	RAN binding protein 1	RAN binding protein 1 (Ranbp1)

-1.65	2610019A05Rik	homologue to SEROLOGICALLY DEFINED BREAST CANCER ANTIGEN NY-BR-96 - putative - data source:SPTR, source key:Q9H272, evidence:ISS	RIKEN cDNA 2610019A05 gene
-1.65	C5r1	complement component 5, receptor 1; C5a ligand	complement component 5, receptor 1 (C5r1)
-1.65	Mxd4	Max dimerization protein 4	Max dimerization protein 4 (Mxd4)
-1.65	Cpsf4	clipper/cleavage and polyadenylation specificity factor 30 kD subunit homologue	cleavage and polyadenylation specific factor 4
-1.65	1810037G04Rik	homologue to HYPOTHETICAL PROTEIN CGI-143 - putative - data source:SPTR, source key:Q9Y3E2, evidence:ISS	RIKEN cDNA 1810037G04 gene
-1.65	Ttc4	homologue to BRAIN MY044 PROTEIN (TETRATRICOPEPTIDE REPEAT DOMAIN 4) - putative - data source:SPTR, source key:Q9H3I2, evidence:ISS	tetratricopeptide repeat domain 4
-1.65	Dnchc1	cytoplasmic dynein heavy chain	dynein, cytoplasmic, heavy chain 1
-1.65	Fkbp4	FK506 binding protein 4	FK506 binding protein 4 (Fkbp4)
-1.65	Psmb3	proteasome $\beta$ 3 subunit; proteasome (prosome, macropain) subunit, $\beta$ type, 3	proteasome (prosome, macropain) subunit, $\beta$ type 3 (Psmb3)
-1.65	Fliih	flightless I homologue	flightless I homologue ( <i>D. melanogaster</i> ) (Fliih)
-1.66	Sf3a1	RIKEN cDNA 1200014H24	splicing factor 3a, subunit 1 (Sf3a1)
-1.66	Grina	NMDA receptor glutamate-binding chain	glutamate receptor, ionotropic, N-methyl D-aspartate-associated protein 1 (glutamate binding)
-1.66	Wars	tryptophanyl-tRNA synthetase	tryptophanyl-tRNA synthetase (Wars)
-1.66	Nckipsd	Wiskott-Aldrich syndrome homologue (human) binding protein	NCK interacting protein with SH3 domain (Nckipsd)
-1.66	Trex1	three prime repair exonuclease 1; trophoblast expressed 1; three prime exonuclease 1	three prime repair exonuclease 1 (Trex1)
-1.66	Ptp4a3	protein tyrosine phosphatase 4a3	protein tyrosine phosphatase 4a3 (Ptp4a3)
-1.66	Mrps23	mitochondrial ribosomal protein S23	mitochondrial ribosomal protein S23
-1.66	Ndufs8	Unknown (protein for MGC:37950)	NADH dehydrogenase (ubiquinone) Fe-S protein 8
-1.66	Prkaca	protein kinase, cAMP dependent, catalytic, $\alpha$	protein kinase, cAMP dependent, catalytic, $\alpha$
-1.66	B4galt3	UDP-Gal: $\beta$ GlcNAc $\beta$ 1,4-galactosyltransferase, polypeptide 3; $\beta$ -1,4-galactosyltransferase III; $\beta$ 4GalT-III	UDP-Gal: $\beta$ GlcNAc $\beta$ 1,4-galactosyltransferase, polypeptide 3 (B4galt3)
-1.66	2410011G03Rik	RIKEN cDNA 2410011G03	RIKEN cDNA 2410011G03 gene (2410011G03Rik)
-1.66	Pfdn5	prefoldin 5; EIG-1; c-myc binding protein MM-1	prefoldin 5 (Pfdn5)
-1.66	Zdhhc4	DHHC zinc finger domain containing protein - data source:Pfam, source key:PF01529, evidence:ISS - putative	zinc finger, DHHC domain containing 4
-1.66	Sars2	seryl-aminoacyl-tRNA synthetase 2	seryl-aminoacyl-tRNA synthetase 2 (Sars2)

-1.66	Drpla	dentatorubral pallidoluysian atrophy	dentatorubral pallidoluysian atrophy
-1.66	Ctsd	cathepsin D	cathepsin D
-1.67	Tagln2	transgelin	transgelin 2
-1.67	Akt1	thymoma viral proto-oncogene 1	thymoma viral proto-oncogene 1 (Akt1)
-1.67	Vars2	valyl-tRNA synthetase 2	valyl-tRNA synthetase 2 (Vars2)
-1.67	Furin	furin (paired basic amino acid cleaving enzyme); proprotein convertase subtilisin/kexin type 3	furin (paired basic amino acid cleaving enzyme) (Furin)
-1.67	Nfia	nuclear factor I/A	nuclear factor I/A
-1.67	Scn1b	sodium channel, voltage-gated, type I, β polypeptide	sodium channel, voltage-gated, type I, β polypeptide (Scn1b)
-1.67	Pscd2	pleckstrin homology, Sec7 and coiled-coil domains 2; pleckstrin homology, Sec7 and coiled/coil domains 2; cytohesin 2	pleckstrin homology, Sec7 and coiled-coil domains 2 (Pscd2)
-1.67	Ctbp1	C-terminal binding protein 1	C-terminal binding protein 1
-1.67	Tcf3	transcription factor 3; transcription factor 7-like 1	transcription factor 3 (Tcf3)
-1.67	1110017I16Rik	RIKEN cDNA 1110017I16	RIKEN cDNA 1110017I16 gene
-1.67	Trp53	transformation related protein 53	transformation related protein 53
-1.67	Tbp	TATA box binding protein	TATA box binding protein
-1.67	H2afy2	H2A histone family, member Y2; RIKEN cDNA 4933432H23	H2A histone family, member Y2 (H2afy2)
-1.67	Pycrl	pyrroline-5-carboxylate reductase-like	pyrroline-5-carboxylate reductase-like (Pycrl)
-1.67	Thoc4	RNA and export factor binding protein 1	THO complex 4
-1.67	Gps1	Similar to G protein pathway suppressor 1	G protein pathway suppressor 1
-1.67	Dhcr7	7-dehydrocholesterol reductase	7-dehydrocholesterol reductase (Dhcr7)
-1.68	Trappc3	trafficking protein particle complex 3; Bet3 homologue ( <i>S. cerevisiae</i> )	trafficking protein particle complex 3 (Trappc3)
-1.68	Rcn3	Similar to hypothetical protein LOC57333	reticulocalbin 3, EF-hand calcium binding domain
-1.68	Mfap2	microfibril-associated glycoprotein 2; microfibril-associated glycoprotein	microfibrillar-associated protein 2 (Mfap2)
-1.68	Nsdhl	NAD(P) dependent steroid dehydrogenase-like	NAD(P) dependent steroid dehydrogenase-like (Nsdhl)
-1.68	2610036F08Rik		RIKEN cDNA 2610036F08 gene
-1.68	Fgfr1	fibroblast growth factor receptor 1	fibroblast growth factor receptor 1
-1.68	6530402N02Rik	anterior pharynx defective 1A homologue	RIKEN cDNA 6530402N02 gene

-1.68	Wdfy3	RIKEN cDNA 2610509D04	WD repeat and FYVE domain containing 3
-1.68	Pxn	paxillin $\alpha$ ; paxillin $\beta$	paxillin
-1.69	2310021P13Rik	homologue to CDNA FLJ13680 FIS, CLONE PLACE2000007, HIGHLY SIMILAR TO HOMO SAPIENS - data source:SPTR, source key:Q9H8F3, evidence:ISS	RIKEN cDNA 2310021P13 gene
-1.69	Dtymk	putative - thymidylate kinase - data source:MGD, source key:MGI:108396, evidence:ISS	deoxythymidylate kinase
-1.69	Mrpl38	mitochondrial ribosomal protein L38; ribosomal protein, mitochondrial, L3	mitochondrial ribosomal protein L38 (Mrpl38)
-1.69	1500040F11Rik	homologue to UBIQUINOL-CYTOCHROME C REDUCTASE COMPLEX UBIQUINONE-BINDING PROTEIN - data source:SPTR, source key:P13271, evidence:ISS	RIKEN cDNA 1500040F11 gene
-1.69	Prp19	Unknown (protein for MGC:8213)	PRP19/PSO4 homologue ( <i>S. cerevisiae</i> )
-1.69	Thop1	thimet oligopeptidase 1	thimet oligopeptidase 1
-1.69	Banf1	barrier to autointegration factor 1; breakpoint cluster region protein 1	barrier to autointegration factor 1 (Banf1)
-1.69	Asna1	arsA (bacterial) arsenite transporter, ATP-binding, homologue 1; arsenite-translocating ATPase	arsA (bacterial) arsenite transporter, ATP-binding, homologue 1 (Asna1)
-1.69	1110011F09Rik	homologue to RAS-RELATED PROTEIN RAB-1B - putative - data source:SPTR, source key:P10536, evidence:ISS	RIKEN cDNA 1110011F09 gene
-1.69	Cd81	Similar to CD81 antigen (target of antiproliferative antibody 1)	CD 81 antigen
-1.69	Rbl1	retinoblastoma-like protein 1	retinoblastoma-like 1 (p107)
-1.69	2610005H11Rik	RIKEN cDNA 2610005H11	RIKEN cDNA 2610005H11 gene
-1.69	Twist1	twist gene homologue 1; twist gene homologue, ( <i>D. melanogaster</i> ); polydactyl EMS; twist gene homologue ( <i>D. melanogaster</i> ); Pluridigite	twist gene homologue 1 ( <i>D. melanogaster</i> ) (Twist1)
-1.69	Arf1	ADP-ribosylation factor 1	ADP-ribosylation factor 1 (Arf1)
-1.70	Hspa8	heat shock protein 8	heat shock protein 8
-1.70	Anxa6	annexin A6	annexin A6
-1.70	Trp53	transformation related protein 53	transformation related protein 53
-1.70	Cd97	CD97 antigen; EGF-TM7 receptor	CD97 antigen (Cd97)
-1.70	Nup93	Similar to KIAA0095 gene product	nucleoporin 93
-1.70	Olfm1	olfactomedin 1	olfactomedin 1
-1.70	Ivd	isovaleryl coenzyme A dehydrogenase; isovaleryl dehydrogenase precursor	isovaleryl coenzyme A dehydrogenase (Ivd)
-1.70			

-1.71	Tpst1	protein-tyrosine sulfotransferase 1	protein-tyrosine sulfotransferase 1 (Tpst1)
-1.71	5830457O10Rik	Similar to hypothetical protein FLJ20400	RIKEN cDNA 5830457O10 gene
-1.71	8-Sep	2-Sep	septin 8
-1.71	AA959742	Similar to hypothetical protein PRO1855	expressed sequence AA959742
-1.71	Sympk	homologue to SYMPLEKIN - putative - data source:SPTR, source key:Q92797, evidence:ISS	symplekin
-1.71	Mcam	melanoma cell adhesion molecule; l-gicerin protein	melanoma cell adhesion molecule (Mcam)
-1.71	Clcn7	chloride channel 7	chloride channel 7 (Clcn7)
-1.71	Psmd8	proteasome (prosome, macropain) 26S subunit, non-ATPase, 8	proteasome (prosome, macropain) 26S subunit, non-ATPase, 8 (Psmd8)
-1.71	Exosc1	homologue to human 3'-5' EXORIBONUCLEASE CSL4 HOMOLOGUE (EC 3.1.13.-) (CGI-108 P - data source:SPTR, source key:Q9Y3B2, evidence:ISS	exosome component 1
-1.71	4930507D05Rik	Unknown (protein for IMAGE:4189252)	RIKEN cDNA 4930507D05 gene
-1.72	Mare	C16ORF35	$\alpha$ globin regulatory element containing gene
-1.72	Taf10	TAF10 RNA polymerase II, TATA box binding protein (TBP)-associated factor, 30 kD; TATA box binding protein (TBP)-associated factor,	TAF10 RNA polymerase II, TATA box binding protein (TBP)-associated factor (Taf10)
-1.72	Hist2h2aa1	histone 2, H2aa1	histone 2, H2aa1
-1.72	Ebp1	emopamil binding related protein, delta8-delta7 sterol isomerase related protein	emopamil binding protein-like (Ebp1)
-1.72	5033425B17Rik	RIKEN cDNA 5033425B17	RIKEN cDNA 5033425B17 gene
-1.72	Cyggb	Globin containing protein - data source:Pfam, source key:PF00042, evidence:ISS - putative	cytoglobin
-1.72	Mcam	melanoma cell adhesion molecule	melanoma cell adhesion molecule
-1.72	Taldo1	Similar to transaldolase 1	transaldolase 1
-1.72	Psmd4	proteasome 26S non-ATPase subunit 4; multiubiquitin-chain-binding protein; anti secretory factor 1	proteasome (prosome, macropain) 26S subunit, non-ATPase, 4 (Psmd4)
-1.72	Nup62	nucleoporin 62; nuclear pore complex 1	nucleoporin 62 (Nup62)
-1.72	5033425B17Rik	RIKEN cDNA 5033425B17	RIKEN cDNA 5033425B17 gene
-1.72	Uhrf1	nuclear protein 95	ubiquitin-like, containing PHD and RING finger domains, 1 (Uhrf1)
-1.73	Snrpf	homologue to SMALL NUCLEAR RIBONUCLEOPROTEIN F (SNRNP-F) (SM PROTEIN F) (SM-F) - data source:SPTR, source key:Q15356, evidence:ISS	small nuclear ribonucleoprotein polypeptide F
-1.73	Smarcb1	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily b, member 1; integrase interactor 1	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily b, member 1 (Smarcb1)

-1.73	2700078K21Rik	ovary-specific MOB-like protein	RIKEN cDNA 2700078K21 gene
-1.73	Ppp1ca	protein phosphatase 1, catalytic subunit, $\alpha$	protein phosphatase 1, catalytic subunit, $\alpha$ isoform (Ppp1ca)
-1.73	Ptbp1	polypyrimidine tract binding protein 1; hnRNP I	polypyrimidine tract binding protein 1 (Ptbp1)
-1.73	Arhgef1	Rho guanine nucleotide exchange factor (GEF) 1; lymphoid blast crisis like 2	Rho guanine nucleotide exchange factor (GEF) 1 (Arhgef1)
-1.73	2700067D09Rik	RIKEN cDNA 2700067D09	RIKEN cDNA 2700067D09 gene
-1.73	Fads1	delta-5 desaturase	fatty acid desaturase 1
-1.73	SnRPd1	small nuclear ribonucleoprotein D1	small nuclear ribonucleoprotein D1 (SnRPd1)
-1.73	BC028768	DNA segment, Chr 9, Wayne State University 149, expressed - data source:MGD, source key:MGD:107281, evidence:ISS - putative	cDNA sequence BC028768
-1.73	Ptpre	protein tyrosine phosphatase, receptor type, E	protein tyrosine phosphatase, receptor type, E
-1.74	1500005K14Rik		RIKEN cDNA 1500005K14 gene
-1.74	Clptm1	Similar to cleft lip and palate associated transmembrane protein 1	cleft lip and palate associated transmembrane protein 1
-1.74	Prkaca	protein kinase, cAMP dependent, catalytic, $\alpha$ ; C $\alpha$	protein kinase, cAMP dependent, catalytic, $\alpha$ (Prkaca)
-1.74	Brd3	bromodomain-containing FSH-like protein	bromodomain containing 3 (Brd3)
-1.74	4930563C04Rik	H6 homeo box 3 - data source:MGD, source key:MGD:107160, evidence:ISS - putative	RIKEN cDNA 4930563C04 gene
-1.74	Bpnt1	bisphosphate 3'-nucleotidase 1	bisphosphate 3'-nucleotidase 1 (Bpnt1)
-1.74	1810060D16Rik	homologue to DNA-DIRECTED RNA POLYMERASE II 14.4 KD POLYPEPTIDE (EC 2.7.7.6) - data source:SPTR, source key:O88828, evidence:ISS	RIKEN cDNA 1810060D16 gene
-1.74	Sh3bp2	SH3-domain binding protein 2	SH3-domain binding protein 2 (Sh3bp2)
-1.74	Vps11	Vps11 protein	vacuolar protein sorting 11 (yeast)
-1.74	H2afy3	macroH2A2	H2A histone family, member Y3
-1.75	Crsp8	homologue to P37 TRAP/SMCC/PC2 SUBUNIT - putative - data source:SPTR, source key:Q9NYR4, evidence:ISS	cofactor required for Sp1 transcriptional activation, subunit 8
-1.75	Rab7	RAB7, member RAS oncogene family	RAB7, member RAS oncogene family (Rab7)
-1.75	Sart1	squamous cell carcinoma antigen recognized by T-cells	squamous cell carcinoma antigen recognized by T-cells 1 (Sart1)
-1.75	Pmf1	polyamine-modulated factor 1	polyamine-modulated factor 1 (Pmf1)
-1.75	Dullard	Dullard homologue	Dullard homologue (Xenopus laevis)
-1.75	Wfdc1	WAP four-disulfide core domain 1	WAP four-disulfide core domain 1 (Wfdc1)

-1.75	Ppp2r5d	testis expressed gene 271	protein phosphatase 2, regulatory subunit B (B56), delta isoform (Ppp2r5d)
-1.75	Capns1	calpain, small subunit 1; calpain 4	calpain, small subunit 1 (Capns1)
-1.76	Glxr2	glutaredoxin 2	glutaredoxin 2 (thioltransferase) (Glxr2)
-1.76	Krt1-13	keratin complex 1, acidic, gene 13	keratin complex 1, acidic, gene 13
-1.76	Csda	cold shock domain protein A short isoform; cold shock domain protein A isoform 1; cold shock domain protein A long isoform	cold shock domain protein A
-1.76	Centd2	centaurin, delta 2	centaurin, delta 2
-1.76	Tomm40	translocase of outer mitochondrial membrane 40 homologue	translocase of outer mitochondrial membrane 40 homologue (yeast)
-1.76	Capzb	capping protein (actin filament) muscle Z-line, β; capping protein β 1; [b]1 cDNA; [b]2 cDNA	capping protein (actin filament) muscle Z-line, β (Capzb)
-1.76	4921537P18Rik	Ank repeat containing protein - data source:Pfam, source key:PF00023, evidence:ISS - putative	RIKEN cDNA 4921537P18 gene
-1.76	Lrp10	low-density lipoprotein receptor-related protein 10	low-density lipoprotein receptor-related protein 10 (Lrp10)
-1.76	Mrps5	mitochondrial ribosomal protein S5	mitochondrial ribosomal protein S5 (Mrps5)
-1.76	BC023957	Similar to hypothetical protein FLJ20174	cDNA sequence BC023957
-1.76	Hspa5bp1	Unknown (protein for MGC:11927)	heat shock 70 kD protein 5 binding protein 1
-1.76	Coro1a	coronin, actin binding protein 1A; coronin-like actin binding protein; coronin 1a; coronin 1	coronin, actin binding protein 1A (Coro1a)
-1.76	Rad23b	RAD23b homologue	RAD23b homologue ( <i>S. cerevisiae</i> ) (Rad23b)
-1.76	Csk	c-src tyrosine kinase	c-src tyrosine kinase (Csk)
-1.77	Gorasp2	Golgi reassembly stacking protein 2	golgi reassembly stacking protein 2
-1.77	Hdgf	hepatoma-derived growth factor	hepatoma-derived growth factor (Hdgf)
-1.77	Ttyh2	tweety homologue 2	tweety homologue 2 ( <i>D. melanogaster</i> ) (Ttyh2)
-1.77	Adra2a	adrenergic receptor, α 2a; subtype α2-C10; α2A-adrenergic receptor	adrenergic receptor, α 2a (Adra2a)
-1.77	Snrp116	U5 small nuclear ribonucleoprotein	U5 small nuclear ribonucleoprotein
-1.77	0610009C03Rik	homologue to U5 SNRNP-SPECIFIC 40 KD PROTEIN - putative - data source:SPTR, source key:O95320, evidence:ISS	RIKEN cDNA 0610009C03 gene
-1.77	Nmur2	neuromedin U receptor type 2	neuromedin U receptor 2
-1.77	Gna11	guanine nucleotide binding protein, α 11	guanine nucleotide binding protein, α 11 (Gna11)
-1.78	Hmg20b	high mobility group 20 B; high mobility group protein 20 B; BRCA2-associated factor 35	high mobility group 20 B (Hmg20b)
-1.78	Atp9a	ATPase, class II, type 9A	ATPase, class II, type 9A (Atp9a)

-1.78	Gfra2	glial cell line derived neurotrophic factor family receptor $\alpha$ 2	glial cell line derived neurotrophic factor family receptor $\alpha$ 2
-1.78	Arrb2	Arrestin, $\beta$ 2	arrestin, $\beta$ 2
-1.78	Serpinf1	serine (or cysteine) proteinase inhibitor, clade F), member 1	serine (or cysteine) proteinase inhibitor, clade F, member 1
-1.78	Tub	tubby; retinal degeneration 5	tubby candidate gene (Tub)
-1.78	Adrm1	glycoprotein 110; adhesion regulating molecule; adhesion regulating molecule 1; 2510006J17Rik	adhesion regulating molecule 1 (Adrm1)
-1.78	Laptm5	ORFB	lysosomal-associated protein transmembrane 5
-1.78	BC003940	Unknown (protein for IMAGE:3488009)	cDNA sequence BC003940
-1.79	Ndufa4	NADH dehydrogenase (ubiquinone) 1 $\alpha$ subcomplex, 4 - data source:MGD, source key:MGID:107686, evidence:ISS - putative	NADH dehydrogenase (ubiquinone) 1 $\alpha$ subcomplex, 4
-1.79	Cad	homologue to CAD PROTEIN [INCLUDES: GLUTAMINE-DEPENDENT CARBAMOYL-PHOSPHATE SYNTHASE - data source:SPTR, source key:P08955, evidence:ISS	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotate
-1.79	Ramp2	receptor (calcitonin) activity modifying protein 2; receptor activity modifying protein 2; receptor-activity modifying protein 2	receptor (calcitonin) activity modifying protein 2 (Ramp2)
-1.79	Csnk2b	casein kinase II, $\beta$ subunit	casein kinase II, $\beta$ subunit (Csnk2b)
-1.79	Cacna1d	neuroendocrine L-type calcium channel	calcium channel, voltage-dependent, L type, $\alpha$ 1D subunit
-1.79	Hist1h2bc	histone 1, H2bc	histone 1, H2bc
-1.80	2810402K13Rik		RIKEN cDNA 2810402K13 gene
-1.80	Hnrbpab	heterogeneous nuclear ribonucleoprotein A/B	heterogeneous nuclear ribonucleoprotein A/B (Hnrbpab)
-1.80	Usp10	ubiquitin specific protease 10; ubiquitin c-terminal hydrolase related polypeptide	ubiquitin specific protease 10 (Usp10)
-1.80	Traf4	Tnf receptor associated factor 4	Tnf receptor associated factor 4 (Traf4)
-1.80	Kcns2	K $+$ voltage-gated channel, subfamily S, 2	K $+$ voltage-gated channel, subfamily S, 2 (Kcns2)
-1.80	2410026K10Rik	RIKEN cDNA 2410026K10	RIKEN cDNA 2410026K10 gene
-1.80	Aes	N-terminal enhancer of split	N-terminal enhancer of split
-1.80	Tbl3	Unknown (protein for MGC:28734)	transducin ( $\beta$ )-like 3
-1.80	Ifnar2	interferon ( $\alpha$ and $\beta$ ) receptor 2	interferon ( $\alpha$ and $\beta$ ) receptor 2 (Ifnar2)
-1.80	Wbp1	WW domain binding protein 1	WW domain binding protein 1 (Wbp1)
-1.80	Hdgfrp2	hepatoma-derived growth factor-related protein 2	hepatoma-derived growth factor, related protein 2
-1.81	Enc1	ectodermal-neural cortex 1	ectodermal-neural cortex 1 (Enc1)

-1.81	2900010M23Rik	RIKEN cDNA 2900010M23	RIKEN cDNA 2900010M23 gene (2900010M23Rik)
-1.81	Ndph	Norrie disease homologue	Norrie disease homologue (Ndph)
-1.81	Gtf2i	general transcription factor II I	general transcription factor II I (Gtf2i)
-1.81	Pigq	glycosylphosphatidylinositol 1 homologue	phosphatidylinositol glycan, class Q (Pigq)
-1.81	P2rx4	purinergic receptor P2X, ligand-gated ion channel 4	purinergic receptor P2X, ligand-gated ion channel 4 (P2rx4)
-1.81	C330027I04Rik	Similar to hypothetical protein MGC20781	RIKEN cDNA C330027I04 gene
-1.81	Slc25a10	solute carrier family 25 (mitochondrial carrier, dicarboxylate transporter), member 10; dicarboxylate ion carrier; solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 10; solute carrier family 25 (mitochondrial carrie	solute carrier family 25 (mitochondrial carrier, dicarboxylate transporter), member 10 (Slc25a10)
-1.81	2210021A15Rik	RIKEN cDNA 2210021A15	RIKEN cDNA 2210021A15 gene
-1.81	Mtch1		mitochondrial carrier homologue 1 ( <i>C. elegans</i> )
-1.81	1810012H11Rik	RIKEN cDNA 1810012H11	RIKEN cDNA 1810012H11 gene
-1.82	BC022224	Similar to hypothetical protein MGC4172	cDNA sequence BC022224
-1.82	Hnrpab	heterogeneous nuclear ribonucleoprotein A/B	heterogeneous nuclear ribonucleoprotein A/B
-1.82	Tnnt3	troponin T3, skeletal, fast	troponin T3, skeletal, fast
-1.82	Limk1	LIM-domain containing, protein kinase	LIM-domain containing, protein kinase (Limk1)
-1.82	2700094L05Rik	putative - related to CG15525 PROTEIN - data source:SPTR, source key:Q9VAC7, evidence:ISS	RIKEN cDNA 2700094L05 gene
-1.82	Srm	spermidine synthase	spermidine synthase (Srm)
-1.82	Sepn1	Unknown (protein for IMAGE:4036667)	selenoprotein N, 1
-1.82	Loxl1	Loxl protein	lysyl oxidase-like 1
-1.82	3010027G13Rik	similar to human CGI-69 protein	RIKEN cDNA 3010027G13 gene (3010027G13Rik)
-1.82	Grin1la	DNA segment, Chr 9, Wayne State University 138, expressed - data source:MGD, source key:MGD:107282, evidence:ISS - putative	glutamate receptor, ionotropic, N-methyl D-aspartate-like 1A
-1.82	Hfc1r1	putative - type I transmembrane protein Fn14 - data source:MGD, source key:MGD:1351484, evidence:ISS	host cell factor C1 regulator 1 (XPO1-dependent)
-1.82	Ly6e	lymphocyte antigen 6 complex, locus E	lymphocyte antigen 6 complex, locus E (Ly6e)
-1.82	1110020C13Rik	homologue to UNCHARACTERIZED BONE MARROW PROTEIN BM041 - putative - data source:SPTR, source key:Q9NZ81, evidence:ISS	RIKEN cDNA 1110020C13 gene
-1.83	Zfp162	zinc finger protein 162	zinc finger protein 162

-1.83	Arl10b	Unknown (protein for MGC:28025)	ADP-ribosylation factor-like 10B
-1.83	Nfatsc2	preexisting nuclear factor of activated T-cells 2	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 2
-1.83	Zdhhc8	Unknown (protein for MGC:7847)	zinc finger, DHHC domain containing 8
-1.84	Smtn	smoothelin	smoothelin (Smtn)
-1.84	Col1a1	procollagen, type I, $\alpha$ 1	procollagen, type I, $\alpha$ 1
-1.84	Mtx1	metaxin 1	metaxin 1 (Mtx1)
-1.84	4930455C21Rik	hypothetical protein MGC7537	RIKEN cDNA 4930455C21 gene (4930455C21Rik)
-1.84	Oaz1	ornithine decarboxylase antizyme 1; antizyme 1	ornithine decarboxylase antizyme (Oaz1)
-1.84	Cdk4	cyclin-dependent kinase 4; p34<PSK-J3>/cdk4	cyclin-dependent kinase 4 (Cdk4)
-1.84	Sbf1	homologue to DJ579N16.2 (SET BINDING FACTOR 1) (FRAGMENT) - putative - data source:SPTR, source key:Q9UGB8, evidence:ISS	SET binding factor 1
-1.84	Stip1	stress-induced phosphoprotein 1; stress-inducible protein; IEF SSP 3521; Hsp70/Hsp90 organizing protein	stress-induced phosphoprotein 1 (Stip1)
-1.85	ORF19	hypothetical protein	open reading frame 19
-1.85	Mrpl15	mitochondrial ribosomal protein L15	mitochondrial ribosomal protein L15
-1.85	Sec31l1	homologue to VESICLE ASSOCIATED PROTEIN - putative - data source:SPTR, source key:Q9Z2Q1, evidence:ISS	SEC31-like 1 ( <i>S. cerevisiae</i> )
-1.85	Krt1-4	keratin complex 1, acidic, gene 4	keratin complex 1, acidic, gene 4 (Krt1-4)
-1.85	Arl2bp	ADP-ribosylation factor-like 2 binding protein	ADP-ribosylation factor-like 2 binding protein
-1.85	2010012C16Rik	RIKEN cDNA 2010012C16	RIKEN cDNA 2010012C16 gene (2010012C16Rik)
-1.85	Arl2bp	ADP-ribosylation factor-like 2 binding protein	ADP-ribosylation factor-like 2 binding protein
-1.86	Eef1b2	L115	eukaryotic translation elongation factor 1 $\beta$ 2
-1.86	Sec14l1	SEC14-like 1	SEC14-like 1 ( <i>S. cerevisiae</i> )
-1.86	Eif5a	eukaryotic translation initiation factor 5a - putative - data source:MGD, source key:MGI:106248, evidence:ISS	eukaryotic translation initiation factor 5A
-1.86	Bak1	BCL2-antagonist/killer 1; Bcl2 homologous antagonist/killer	BCL2-antagonist/killer 1 (Bak1)
-1.86	Csad	deoxyribonuclease II $\alpha$ - putative - data source:MGD, source key:MGI:1329019, evidence:ISS	cysteine sulfenic acid decarboxylase
-1.86	Psmd3	putative - tissue specific transplantation antigen P91A - data source:MGD, source key:MGI:98858, evidence:ISS	proteasome (prosome, macropain) 26S subunit, non-ATPase, 3
-1.86	2610012O22Rik	muscle protein684	RIKEN cDNA 2610012O22 gene

-1.87	Edfl	endothelial differentiation-related factor 1; hypothetical protein 1-9	endothelial differentiation-related factor 1 (Edfl)
-1.87	Sfn	stratifin	stratifin
-1.87	Lsm2	snRNP core protein SMX5; dystrophia myotonica-protein kinase associated protein; DM associated protein-like	LSM2 homologue, U6 small nuclear RNA associated ( <i>S. cerevisiae</i> ) (Lsm2)
-1.87	Dusp7	Unknown (protein for MGC:11703)	dual specificity phosphatase 7
-1.88	Dgkz	Similar to diacylglycerol kinase	diacylglycerol kinase zeta
-1.88	Capn1	calpain 1; mu-calpain	calpain 1 (Capn1)
-1.88	1700010L04Rik		RIKEN cDNA 1700010L04 gene
-1.88	Tm9sf1	transmembrane 9 superfamily member 1	transmembrane 9 superfamily member 1 (Tm9sf1)
-1.88	BC011210	Unknown (protein for MGC:19083)	cDNA sequence BC011210
-1.89	Actb	actin, $\beta$ , cytoplasmic; A-X actin-like protein; melanoma X-actin	actin, $\beta$ , cytoplasmic (Actb)
-1.89	Hist2h2ac		histone 2, H2ac
-1.89	Dlk1	delta-like 1 homologue	delta-like 1 homologue ( <i>D. melanogaster</i> )
-1.89	6720485C15Rik	RIKEN cDNA 6720485C15	RIKEN cDNA 6720485C15 gene (6720485C15Rik)
-1.89	Tcfe2a		transcription factor E2a
-1.90	Actrlb	Similar to ARP1 actin-related protein 1 homologue B, centractin $\beta$ (yeast)	ARP1 actin-related protein 1 homologue B (yeast)
-1.90	Hist1h4i		histone 1, H4i
-1.90	Tnnt3	troponin T3, skeletal, fast	troponin T3, skeletal, fast
-1.91	Psma7	proteasome (prosome, macropain) subunit, $\alpha$ type 7	proteasome (prosome, macropain) subunit, $\alpha$ type 7 (Psma7)
-1.91	Mybbp1a	MYB binding protein (P160) 1a; nuclear protein P160	MYB binding protein (P160) 1a (Mybbp1a)
-1.91	Lsm2	snRNP core protein SMX5	LSM2 homologue, U6 small nuclear RNA associated ( <i>S. cerevisiae</i> )
-1.91	Trp53	transformation related protein 53	transformation related protein 53
-1.91	2610036N15Rik	homologue to CDNA: FLJ22833 FIS, CLONE KAIA4266 - putative - data source:SPTR, source key:Q9H5X6, evidence:ISS	RIKEN cDNA 2610036N15 gene
-1.91	Elac2	elaC homologue 2	elaC homologue 2 ( <i>E. coli</i> ) (Elac2)
-1.92	Csf1	colony stimulating factor 1; colony-stimulating factor-1; osteopetrosis	colony stimulating factor 1 (macrophage) (Csf1)
-1.92	1700017I11Rik	Sushi domain (SCR repeat) containing protein - data source:Pfam, source key:PF00084, evidence:ISS - putative	RIKEN cDNA 1700017I11 gene
-1.92	Trp53	transformation related protein 53	transformation related protein 53 (Trp53)

-1.92	Agpat2	homologue to 1-ACYL-SN-GLYCEROL-3-PHOSPHATE ACYLTRANSFERASE B (EC 2.3.1.51) - data source:SPTR, source key:O15120, evidence:ISS	1-acylglycerol-3-phosphate O-acyltransferase 2 (lysophosphatidic acid acyltransferase, $\beta$ )
-1.93	Ccnd1	cyclin D1	cyclin D1 (Ccnd1)
-1.93	Pcbp4	poly(rC)-binding protein 4	poly(rC) binding protein 4 (Pcbp4)
-1.93	Edg5	lysophospholipid receptor B2	endothelial differentiation, sphingolipid G-protein-coupled receptor, 5
-1.94	Snrp116-pending	U5 small nuclear ribonucleoprotein; U5 small nuclear ribonucleoprotein 116 kD	U5 small nuclear ribonucleoprotein (Snrp116)
-1.94	Cklfsf6	chemokine-like factor superfamily 6	chemokine-like factor super family 6
-1.95	Elf2	ets family transcription factor ELF2A2	E74-like factor 2
-1.95	Serpib9f	serine (or cysteine) proteinase inhibitor, clade B, member 9f	serine (or cysteine) proteinase inhibitor, clade B, member 9f
-1.95	Hrmt1l2	heterogeneous nuclear ribonucleoproteins methyltransferase-like 2	heterogeneous nuclear ribonucleoproteins methyltransferase-like 2 ( <i>S. cerevisiae</i> )
-1.95	Cav3	caveolin 3	caveolin 3 (Cav3)
-1.95	Cd97	CD97 antigen	CD97 antigen
-1.95	Nubp2	nucleotide binding protein 2	nucleotide binding protein 2 (Nubp2)
-1.95	Ndrg3	N-myc downstream regulated 3	N-myc downstream regulated gene 3
-1.96	Myll	myosin, light polypeptide 1, alkali; atrial, embryonic	myosin, light polypeptide 1
-1.96	Tnnt3	troponin T3, skeletal, fast	troponin T3, skeletal, fast
-1.96	Ak1	adenylate kinase 1	adenylate kinase 1
-1.96	Bcl2l12	BCL2-like 12 (proline rich)	BCL2-like 12 (proline rich)
-1.97	3110045G13Rik	MEGF12	RIKEN cDNA 3110045G13 gene
-1.97	4432412D15Rik	homologue to HYPOTHETICAL PROTEIN CGI-100 PRECURSOR - putative - data source:SPTR, source key:Q9Y3A6, evidence:ISS	RIKEN cDNA 4432412D15 gene
-1.97	2610104C07Rik		RIKEN cDNA 2610104C07 gene
-1.97	1700001C14Rik	RIKEN cDNA 1700001C14	RIKEN cDNA 1700001C14 gene
-1.97	Smarca4	Similar to SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 4	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 4
-1.97	Lamb2	laminin, $\beta$ 2	laminin, $\beta$ 2
-1.98	Fmod	fibromodulin	fibromodulin (Fmod)
-1.98	Pde1c	phosphodiesterase 1C	phosphodiesterase 1C

-1.99	Nola2	nucleolar protein family A, member 2; H/ACA small nucleolar RNPs	nucleolar protein family A, member 2 (Nola2)
-1.99	Smn	survival motor neuron	survival motor neuron (Smn)
-2.01	Cyp2a5	cytochrome P450, family 2, subfamily a, polypeptide 5; cytochrome P450, 2a5	cytochrome P450, family 2, subfamily a, polypeptide 5 (Cyp2a5)
-2.01	Hnrpl	protein L	heterogeneous nuclear ribonucleoprotein L
-2.01	Bmp1	BMP-1	bone morphogenetic protein 1
-2.01	Nubp1	nucleotide binding protein 1	nucleotide binding protein 1 (Nubp1)
-2.02	Rgs19ip1	regulator of G-protein signaling 19 interacting protein 1	regulator of G-protein signaling 19 interacting protein 1
-2.02	1110002H13Rik	RIKEN cDNA 1110002H13	RIKEN cDNA 1110002H13 gene
-2.03	Brms1	breast metastasis suppressor 1-like protein	breast cancer metastasis-suppressor 1
-2.04	9530068E07Rik	Similar to HTGN29 protein	RIKEN cDNA 9530068E07 gene
-2.04	Irak1	interleukin-1 receptor-associated kinase 1; pelle-like	interleukin-1 receptor-associated kinase 1 (Irak1)
-2.05	Aven	homologue to CELL DEATH REGULATOR AVEN - putative - data source:SPTR, source key:Q9NQS1, evidence:ISS	apoptosis, caspase activation inhibitor
-2.05	Gfra2	glial cell line derived neurotrophic factor family receptor $\alpha$ 2	glial cell line derived neurotrophic factor family receptor $\alpha$ 2
-2.05	2610009E16Rik		RIKEN cDNA 2610009E16 gene
-2.05	Riok3	RIO kinase 3; sudD, suppressor of bimD6 homologue (Aspergillus nidulans)	RIO kinase 3 (yeast) (Riok3)
-2.06	Bop1	block of proliferation 1	block of proliferation 1 (Bop1)
-2.06	Aes	N-terminal enhancer of split; related to <i>D. melanogaster</i> groucho gene	N-terminal enhancer of split (Aes)
-2.06	Fxyd2	FXYD domain-containing ion transport regulator 2 isoform b; ATPase, Na+/K+ transporting, $\gamma$ 1 polypeptide; sodium pump $\gamma$ chain; sodium/potassium-transporting ATPase $\gamma$ chain	FXYD domain-containing ion transport regulator 2 (Fxyd2), transcript variant b
-2.07	BC022687	Unknown (protein for MGC:31401)	cDNA sequence BC022687
-2.07	Spata5	spermatogenesis associated 5	spermatogenesis associated 5
-2.09	Abi1	spectrin SH3 domain binding protein 1	abl-interactor 1
-2.10	Cfl1	cofilin 1, non-muscle	cofilin 1, non-muscle (Cfl1)
-2.10	Ppp2r5d	protein phosphatase 2A B56delta regulatory subunit	protein phosphatase 2, regulatory subunit B (B56), delta isoform
-2.11	Zfp358	zinc finger protein 358	zinc finger protein 358 (Zfp358)
-2.11	Nme1	nucleoside diphosphate kinase A long form	expressed in non-metastatic cells 1, protein

-2.11	Freq	frequenin homologue; neuronal calcium sensor-1	frequenin homologue ( <i>D. melanogaster</i> ) (Freq)
-2.12	Adrm1	adhesion regulating molecule 1	adhesion regulating molecule 1
-2.12	Surf4	surfeit gene 4	surfeit gene 4 (Surf4)
-2.14	2610200G18Rik	RIKEN cDNA 2610200G18	RIKEN cDNA 2610200G18 gene (2610200G18Rik)
-2.14	Dhrs4	NADPH-dependent retinol dehydrogenase/reductase	dehydrogenase/reductase (SDR family) member 4
-2.14	Siat6	sialyltransferase 6 (N-acetyllactosaminide $\alpha$ 2,3-sialyltransferase); sialyltransferase 3; sialyltransferase (N-acetyl-coA	sialyltransferase 6 (N-acetyllactosaminide $\alpha$ 2,3-sialyltransferase) (Siat6)
-2.15	Atp9a	ATPase, class II, type 9A	ATPase, class II, type 9A
-2.16	Ndufa11		NADH dehydrogenase (ubiquinone) 1 $\alpha$ subcomplex
-2.18	Sec14l1	SEC14-like 1	SEC14-like 1 ( <i>S. cerevisiae</i> )
-2.18	Hist1h3f	histone 1, H3f	histone 1, H3f
-2.18	1700018A14Rik		RIKEN cDNA 1700018A14 gene
-2.19	MP4	proline rich protein MP4	proline rich protein MP4 (MP4)
-2.19	Cldn10	claudin 10 isoform b; claudin 10 isoform a	claudin 10
-2.20	Loxl1	lysyl oxidase-like 1	lysyl oxidase-like 1
-2.21	Gadd45a	growth arrest and DNA-damage-inducible 45 $\alpha$ ; DNA-damage inducible transcript 1; Gadd45a; growth arrest and DNA-damage-inducible, $\alpha$	growth arrest and DNA-damage-inducible 45 $\alpha$ (Gadd45a)
-2.21	Ak1	adenylate kinase 1; cytosolic adenylate kinase	adenylate kinase 1 (Ak1)
-2.22	Rgs19ip1	regulator of G-protein signaling 19 interacting protein 1; synectin; Tax interacting protein, clone 2; semaF cytoplasmic domain associated protein; RGS-GAIP interacting protein GIPC; neuropilin1-IP	regulator of G-protein signaling 19 interacting protein 1 (Rgs19ip1)
-2.22	Tuba6	tubulin, $\alpha$ 6; tubulin $\alpha$ 6	tubulin, $\alpha$ 6 (Tuba6)
-2.22	Myohd1	homologue to THYROID RECEPTOR INTERACTING PROTEIN 3 (TRIP3) (FRAGMENT) - putative - data source:SPTR, source key:Q15649, evidence:ISS	myosin head domain containing 1
-2.22	Ctdsp1	golli-interacting protein	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 1
-2.24	Serpinf1	stromal cell derived factor 3; pigment epithelium-derived factor	serine (or cysteine) proteinase inhibitor, clade F, member 1 (Serpinf1)
-2.25	Rnu3ip2	Similar to U3 snoRNP-associated 55-kD protein	RNA, U3 small nucleolar interacting protein 2
-2.27	2410170E07Rik	putative - related to ATP BINDING PROTEIN - LIKE - data source:SPTR, source key:O49472, evidence:ISS	RIKEN cDNA 2410170E07 gene

-2.28	Ptch2	patched homologue 2	patched homologue 2 (Ptch2)
-2.28	Prelp	proline arginine-rich end leucine-rich repeat	proline arginine-rich end leucine-rich repeat (Prelp)
-2.29	2410026K10Rik	RIKEN cDNA 2410026K10	RIKEN cDNA 2410026K10 gene
-2.30	Tex261	testis expressed gene 261; EST AA409339	testis expressed gene 261 (Tex261)
-2.30	Nola1	nucleolar protein family A, member 1; H/ACA small nucleolar RNPs	nucleolar protein family A, member 1 (H/ACA small nucleolar RNPs) (Nola1)
-2.30	Tnnt3	troponin T3, skeletal, fast	troponin T3, skeletal, fast
-2.30	Mybph	myosin binding protein H; myosin-binding protein H	myosin binding protein H (Mybph)
-2.34	2610510J17Rik	homologue to UNCHARACTERIZED BONE MARROW PROTEIN BM039 - putative - data source:SPTR, source key:Q9NZ83, evidence:ISS	RIKEN cDNA 2610510J17 gene
-2.35	Tuba1	tubulin, $\alpha$ 1; tubulin $\alpha$ 1; Ta1 $\alpha$ -tubulin	tubulin, $\alpha$ 1 (Tuba1)
-2.36	0610011C19Rik	leucine zipper domain protein	leucine zipper domain protein
-2.40	Olfr272	olfactory receptor MOR262-7	olfactory receptor 272
-2.44	Eral1	Era (G-protein)-like 1	Era (G-protein)-like 1 (E. coli)
-2.44	Gja4	gap junction membrane channel protein $\alpha$ 4; connexin 37	gap junction membrane channel protein $\alpha$ 4 (Gja4)
-2.48	Hist1h3f	histone 1, H3f; histone H3; histone gene complex 1	histone 1, H3f (Hist1h3f)
-2.52	Cad	aspartate transcarbamylase	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotate
-2.53	Pofut2	C21ORF80	protein O-fucosyltransferase 2
-2.55	Dhcr24		24-dehydrocholesterol reductase
-2.55	Pfn1	profilin 1; actin binding protein	profilin 1 (Pfn1)
-2.56	Abcd1	ATP-binding cassette protein	ATP-binding cassette, sub-family D (ALD), member 1
-2.57	Timm50	RIKEN cDNA 2810403L02	translocase of inner mitochondrial membrane 50 homologue (yeast)
-2.58	C1qa	complement component 1, q subcomponent, $\alpha$ polypeptide	complement component 1, q subcomponent, $\alpha$ polypeptide (C1qa)
-2.58	Olfr981	olfactory receptor MOR223-8	olfactory receptor 981
-2.63	0610041E09Rik	RIKEN cDNA 0610041E09	RIKEN cDNA 0610041E09 gene (0610041E09Rik)
-2.70	Mafb	basic domain/leucine zipper transcription factor	v-maf musculoaponeurotic fibrosarcoma oncogene family, protein B (avian)
-2.74	0610011C19Rik	leucine zipper domain protein	leucine zipper domain protein
-2.76	Cklfsf3	chemokine-like factor super family 3	chemokine-like factor super family 3 (Cklfsf3)

-2.80	5730578N08Rik	RIKEN cDNA 5730578N08	RIKEN cDNA 5730578N08 gene
-3.01	2610036L13Rik	RIKEN cDNA 2610036L13	RIKEN cDNA 2610036L13 gene (2610036L13Rik)
-3.19	Cfl1	cofilin 1, non-muscle	cofilin 1, non-muscle