

ID	Gene Name	Abbr
	Nuclear (GO = 0005634)	
H3014H11	DNA segment, Chr 15, ERATO Doi 417, expressed	
H3017F05	lamin A	Lmna
H3100G09	requiem	Req
H3110H03	Btg3 associated nuclear protein	Banp
H3118B02	prothymosin alpha	Ptma
H3135G01	myeloid ecotropic viral integration site-related gene 1	Mrg1
	Membrane Proteins (GO = 0016021)	
H3029C03	podocalyxin-like	Podxl
H3035F09	Ras and a-factor-converting enzyme 1 homolog	Rce1
H3090D12	mannose-P-dolichol utilization defect 1	Mpdu1
H3112F03	degenerative spermatocyte homolog (Drosophila)	Degs
H3140C05	tumor necrosis factor receptor superfamily	Tnfrsf12a
H3151H12	RIKEN cDNA 1110025J15 gene	
	Enzymes (Various GO)	
H3013B02	ATPase, H+ transporting, V1 subunit B, isoform 2	Atp6v1b2
H3021E11	ATPase, H+ transporting, V1 subunit A, isoform 1	Atp6v1a1
H3028F05	ornithine decarboxylase, structural	Odc
H3042F09	dual specificity phosphatase 19	Dusp19
H3048G11	biliverdin reductase B (flavin reductase (NADPH))	Blvrb
H3095F09	brain-specific ang. inh. 1-associated protein 2	Baiap2
H3157A06	PET112-like (yeast)	Pet112l
H3157D12	microsomal glutathione S-transferase 3	Mgst3
	Misc Functions (Various GO)	
H3002F06	eukaryotic translation initiation factor 3	Eif3
H3003H10	actinin, alpha 1	Actn1
H3042H12	expressed sequence AI840044	
H3078C09	oxysterol binding protein-like 2	Osbpl2
H3108H07	cortactin	Ctnn
H3138G07	vacuolar protein sorting 26 (yeast)	Vps26
H3151F07	procollagen, type VI, alpha 1	Col6a1
	Function Unknown	
H3008B08	RIKEN cDNA 6330411E07 gene	
H3014E12	signal recognition particle 72	Srp72
H3038G11	translocase of outer mitochondrial membrane	Tomm20
H3043F08	protein phosphatase 1, regulatory subunit 2	Ppp1r2
H3057G09	RIKEN cDNA 6030440G05 gene	
H3060C11	spermine oxidase	Smox
H3071D02	kelch domain containing 2	Klhdc2
H3094E02	RIKEN cDNA A230106A15 gene	
H3098D04	RIKEN cDNA 1300004C11 gene	
H3103E10	Rho GTPase activating protein 18	Arhgap18
H3106H11	RIKEN cDNA 2400001E08 gene	
H3110E06	RIKEN cDNA 9130011E15 gene	
H3139F07	RIKEN cDNA 2410066K11 gene	
H3144B07	H19 fetal liver mRNA	H19
H3146A07	RIKEN cDNA C130083N04 gene	
H3156C11	RIKEN cDNA 1700052N19 gene	
	Unknown	
H3010B02		

H3014F03		
H3014G11		
H3017C01		
H3017D04		
H3034H05		
H3049F11		
H3051E02		
H3056B11		
H3065B07		
H3094E01		
H3096C07		
H3098B01		
H3101A07		
H3101A11		
H3107B03		
H3111B07		
H3115G07		
H3118H04		
H3150D07		
H3154E06		
H3159A07		

ID	Name	Abbr.
H3003H10	Rattus norvegicus non-muscle alpha-actin	Actn1
H3016D10	lectin, galactose binding, soluble 3	Lgals3
H3024B04	Mus musculus chaperonin subunit 3 (gamma)	Cct3
H3028F03	Mus musculus cell-line LXB2 cathepsin L	Ctsl
H3030D10	Mus musculus pyruvate kinase, muscle	Pkm2
H3030D11	Mus musculus pyruvate kinase, muscle	Pkm2
H3045G06	translocated promoter region (TPR) NM_003292.1	
H3048G11	Similar to biliverdin reductase B	Blvrb
H3059H07	clone RP23-20N14 on chromosome 11	
H3067C04	Homo sapiens small nuclear ribonucleoprotein	Snrbp2
H3088G10	Similar to Absent in melanoma 1 protein	Mina
H3094E01	RP23-32O9 on chromosome 2	
H3103C03	Similar to R13F6.10.p [Caenorhabditis elegans]	
H3103G04	ras association (RalGDS/AF-6) domain family	Rassf1
H3116A06	Mus musculus, clone IMAGE:4024675	
H3118B01	Mouse mRNA for prothymosin alpha	Ptma
H3128C03	RIKEN cDNA 5430419M09 gene (5430419M09Rik)	
H3129G12	protease, serine, 15	Prss15
H3137C05	RAB14, member RAS oncogene family	Rab14
H3145H03	mitogen activated protein kinase 3	Mapk3
H3146D12	clone RP23-135F6 on chromosome 11	
H3147H11	tissue specific transplantation antigen P35B	Tsta3
H3148E03	capping protein (actin filament) muscle Z-line, beta	Capzb
H3151F07	procollagen, type VI, alpha 1 (Col6a1)	Col6a1
H3153B03	Mus musculus chromosome 8 clone RP24-324M11	
H3157D03	clone RP23-384K10 on chromosome 2	

ID	Gene Name	Abbr.
A-2031	Metallothionein-I (image 1052401)	Mt1
H3020E11	M.musculus mRNA for cyclin F	Ccnf
H3024G12	clone RP23-407M20 on chromosome 11	
H3028F05	Mouse kidney ornithine decarboxylase mRN	Odc
H3029B11	Mouse chromatin nonhistone high mobility	Hmga1
H3049F11	RIKEN cDNA 9930116P15 gene (9930116P15Rik)	
H3067E01	eukaryotic translation elongation factor 1 alpha 1	Eef1a1
H3098B01	Unknown	
H3131A07	Mus musculus peroxisomal/mitochondrial d	Ech1
H3132E03	Homo sapiens chromosome 17, clone hRPK.1	
H3137C06	Mouse transglutaminase (TGase) mRNA, com	Tgm2
H3140C11	Homo sapiens ATPase, H ⁺ transporting, ly	Atp6v0b
H3144B07	Mus musculus H19 and muscle-specific Nct	H19
H3151H12	NMDA receptor glutamate-binding subunit	Lag

Human DNA sequence from PAC 257A7 on chr	H3018G12	0.55	0.67	1.55	1.35		0.04	0.18	#DIV/0!	0.34
Homo sapiens PAC clone RP5-1106E3 from 7	H3137G05	0.55	0.60	1.03	0.77		0.00	0.00	0.89	0.17
Human p67 mRNA, complete cds	H3130A05	0.50	0.51	0.60	0.57		0.00	0.00	#DIV/0!	#DIV/0!
Homo sapiens transcription factor 7 (T-c	H3021D12	0.49	0.48	0.69	0.54		0.05	#DIV/0!	#DIV/0!	#DIV/0!
Cricetulus griseus adenosine kinase mRNA	H3028C09	0.42	0.78	1.15	1.11		0.00	#DIV/0!	0.56	0.68
Escherichia coli K-12 MG1655 section 365	H3146A10	0.29	0.86	0.46	0.50		0.02	0.74	0.26	0.27

ID	Name	Fold Change	T-Test
		W-Ctrl/N-Ctrl	
H3108G04	Crip1: cysteine-rich protein 1	2.572	0.000
H3140H02	Homo sapiens BAC clone GS1-146J4 from 7q	2.416	0.004
H3134F05	Mus musculus glutathione-S-transferase,	2.242	0.013
H3140F12	Homo sapiens chromosome 4 clone C0473M13	2.174	0.004
H3084E06	Mus musculus chromosome 7, clone 19K5, c	2.126	0.049
A-2031	Metallothionein-I (image 1052401)	1.840	0.007
H3131A03	Homo sapiens TATA box binding protein (T	1.808	0.005
H3154G07	Rattus norvegicus Insulin-like growth fa	1.802	0.020
H3103C08	Homo sapiens clone UWGC:rg020I24 from 7q	1.768	0.032
H3087H09	Mus musculus calcium binding protein A6	1.747	0.006
H3024C11	Mus musculus heat shock protein, 86 kDa	1.739	0.006
H3146A04	Homo sapiens cDNA FLJ10463 fis, clone NT	1.724	0.013
H3113F07	Mus musculus cyclin-dependent kinase inh	1.715	0.039
H3134D01	Homo sapiens mRNA for KIAA0573 protein,	1.697	0.004
H3103F12	human STS SHGC-31509	1.696	0.014
H3124H10	M.musculus COL3A1 gene for collagen alph	1.686	0.008
H3115F11	Mus musculus nidogen 2 (Nid2), mRNA	1.666	0.001
H3148D05	Mus musculus MGA protein mRNA, complete	1.664	0.002
H3130B11	Cu-Zn SOD	1.623	0.016
H3120E02	Mus musculus integral membrane protein 2	1.584	0.040
H3030G02	Homo sapiens cDNA FLJ10500 fis, clone NT	1.583	0.009
H3128A11	Mus musculus heterogeneous nuclear ribon	1.577	0.015
H3149A01	Mus musculus cyclin D3 (Ccnd3), mRNA	1.568	0.018
H3041D03	Homo sapiens chromosome 5 clone CITB-H1	1.566	0.008
H3086D02	Mus musculus mRNA for SHD-1 protein	1.565	0.019
A-2062	Mn SOD (image 3468203)	1.564	0.038
H3110B07	Homo sapiens chromosome 16 clone RPCI-11	1.562	0.024
H3029C03	Rattus norvegicus podocalyxin mRNA, comp	1.554	0.023
H3133G03	Rattus norvegicus alpha-actinin 4 mRNA,	1.552	0.009
H3125G12	Homo sapiens huntingtin interacting prot	1.549	0.039
H3019D01	Mouse calmodulin (Cam I) mRNA, complete	1.533	0.001
H3021E08	Mus musculus calmodulin (Calm), mRNA	1.531	0.008
H3152C12	Homo sapiens mRNA for KIAA0847 protein,	1.526	0.001
H3040G11	Homo sapiens cDNA FLJ10700 fis, clone NT	1.525	0.022
H3019E08	Mouse mRNA for fibronectin receptor beta	1.522	0.007
H3153F04	Homo sapiens chromosome 4 clone C0201M04	1.513	0.009
H3100H03	Human DNA sequence from clone 12M9 on ch	1.511	0.034
H3118D07	Homo sapiens MUM2 (MUM2) gene, complete	1.509	0.018
H3119G08	Mus musculus glutathione-S-transferase,	1.490	0.001
H3037A03	Mus musculus actinin, alpha 1 (Actn1), mRNA	1.490	0.043
H3026F04	Mus musculus similar to protein kinase, lysine deficient	1.489	0.031
H3146C02	Mus musculus platelet derived growth fac	1.488	0.015
H3022H02	Homo sapiens Xq28 genomic DNA in the reg	1.487	0.046
H3044G08	Homo sapiens chromosome 17, clone hRPK.1	1.481	0.033
H3114E05	Homo sapiens Chromosome 16 BAC clone CIT	1.480	0.036
H3139E03	Human chromosome 14 DNA sequence *** IN	1.478	0.009
H3132H05	XPBC/ERCC-3=DNA repair gene [mice, mRNA,	1.471	0.032
H3027A08	Human mRNA for KIAA0076 gene, complete c	1.468	0.039
H3142E06	Homo sapiens chromosome 17, clone HRPC29	1.456	0.008

H3114F01	Mus musculus mRNA for Guanine Nucleotide	1.453	0.020
H3137C06	Mouse transglutaminase (TGase) mRNA, com	1.453	0.006
H3146D07	Homo sapiens, complete sequence	1.451	0.018
H3022F02	Mus musculus general transcription facto	1.439	0.025
H3108A10	Homo sapiens CGI-94 protein mRNA, comple	1.434	0.033
H3019F11	Caenorhabditis elegans cosmid F58E2	1.433	0.022
H3150H03	Homo sapiens clone DJ0764O12, complete s	1.433	0.028
H3150B05	Homo sapiens chromosome 8 clone HPAC24 m	1.428	0.007
A-2049	Catalase (image 1068861)	1.426	0.006
H3098G10	Homo sapiens genomic DNA, chromosome 21q	1.413	0.020
H3044B11	Homo sapiens cDNA FLJ10305 fis, clone NT	1.412	0.030
H3034C10	Homo sapiens transducin (beta)-like 3 (T	1.406	0.029
H3102A09	Rattus norvegicus outer membrane protein	1.404	0.034
H3140A11	Homo sapiens BAC clone CTA-252K19 from 7	1.402	0.003
H3156D01	Mus musculus presenilin 1 (Psen1), mRNA	1.400	0.033
H3108H01	Caenorhabditis elegans cosmid C08G5	1.392	0.018
H3116F07	Homo sapiens nuclear phosphoprotein simi	1.390	0.040
H3122H03	Mus musculus augmenter of liver regenera	1.386	0.034
H3142B09	Homo sapiens chromosome 19, fosmid 37308	1.384	0.023
H3118F06	M.musculus of PCTAIRE-1 mRNA encoding pr	1.384	0.031
H3120D03	Human mRNA for KIAA0077 gene, partial cd	1.379	0.022
H3154D02	Mus musculus CD82 antigen (Cd82), mRNA	1.376	0.041
H3159G05	Mus musculus glutathione-S-transferase,	1.366	0.021
H3016D10	Murine mRNA for L-34 galactoside-binding	1.356	0.003
H3134A11	Homo sapiens chromosome 9, clone hRPK.53	1.356	0.029
H3128G11	human STS A001X12	1.355	0.039
H3145E02	Mus musculus WW-domain binding protein 1	1.351	0.033
H3156C10	Homo sapiens clone NH0309N08, complete s	1.351	0.048
H3020H06	Mus musculus ELKL motif kinase (Emk), mR	1.347	0.032
H3143A06	Leishmania donovani kinetoplast minicirc	1.347	0.041
H3052C11	Mus musculus clathrin light chain 2 mRNA	1.347	0.023
H3117C12	Homo sapiens cDNA FLJ20571 fis, clone RE	1.343	0.047
H3022A02	Homo sapiens genomic DNA, chromosome 21q	1.343	0.043
H3131C12	Homo sapiens chromosome 21 segment HS21C	1.339	0.008
H3028A06	Mus musculus peptidylprolyl isomerase A	1.335	0.023
H3149E08	Mus musculus annexin A7 (Anxa7), mRNA	1.332	0.013
H3150C01	Homo sapiens mRNA for KIAA0660 protein,	1.322	0.047
H3130B11	Mouse Cu-Zn superoxide dismutase mRNA, c	1.321	0.040
H3026E06	H.sapiens mRNA for APRIL protein	1.319	0.041
H3123A12	Homo sapiens 12p21 BAC RPCI11-259O18 (Ro	1.318	0.033
H3109C03	Mus musculus glucosidase, alpha, acid (G	1.317	0.010
H3022E07	Arabidopsis thaliana chromosome I BAC F2	1.312	0.031
H3098F10	Mus musculus spinocerebellar ataxia 2 ho	1.308	0.044
H3027D05	Mus musculus lymphocyte antigen 6 comple	1.305	0.017
H3003H01	Arabidopsis thaliana chromosome II secti	1.304	0.021
H3134H11	Homo sapiens cleavage stimulation factor	1.300	0.032
H3151E06	Rattus norvegicus SPA-1 like protein p12	1.296	0.012
H3054B09	Homo sapiens cDNA mapping to 22q13	1.294	0.019
H3029H03	Mus musculus eukaryotic translation init	1.292	0.015
H3051F10	MUS musculusGRO1 oncogene (Gro1), mRNA(n	1.290	0.040
H3158G09	Human DNA sequence from clone RP4-695O20	1.289	0.024

H3151C09	Tapa-1=integral membrane protein TAPA-1	0.636	0.036
H3075G10	M.musculus genes encoding histone H4, hi	0.631	0.022
H3029B01	Mus musculus natural resistance associat	0.629	0.049
H3126A06	Genomic sequence from Human 9q34, comple	0.628	0.034
H3028D10	Mus musculus synapsin Ib (Synl) mRNA, co	0.622	0.016
H3115D04	Mus musculus P40-8, functional (P40-8),	0.620	0.003
H3150C12	Mus musculus intersectin-EH binding prot	0.620	0.003
H3060D09	Rattus norvegicus NADH ubiquinone oxidor	0.617	0.032
H3091E10	Mus musculus p8 protein (p8) gene, compl	0.612	0.032
H3148F02	Mus musculus Ash2l mRNA, complete cds, s	0.589	0.022
H3111E08	Homo sapiens mRNA; cDNA DKFZp586O1224 (f	0.584	0.044
H3028D04	Rat mRNA for ribosomal protein L5	0.581	0.026
H3048F06	Mus musculus nucleolar RNA helicase II/G	0.568	0.017
H3007G06	Mus musculus keratin complex 1, acidic,	0.567	0.011
H3137B11	Mus musculus mesoderm specific transcrip	0.564	0.007
H3109C02	Mus musculus tissue inhibitor of metallo	0.562	0.007
H3157C12	Fugu rubripes cosmid 151J19 covering the	0.551	0.001
H3138F09	Mus musculus ligatin (Lgtn) mRNA, partia	0.551	0.030
H3058G01	Homo sapiens genomic DNA, chromosome 22q	0.545	0.003
H3114C12	Mus musculus cytosolic class 3 aldehyde	0.544	0.000
H3125A07	Mus musculus collagen binding protein 1	0.518	0.006
H3120D05	Homo sapiens unknown mRNA (ALEX3, armidillo cance	0.492	0.027
H3126A04	Mouse mRNA encoding alpha-fetoprotein (a	0.435	0.044
H3058A11	Mus musculus major histocompatibility lo	0.421	0.007
H3079H10	Mus musculus eukaryotic translation initiation factor 2, s	0.400	0.020
H3136A07	Mus musculus procollagen, type I, alpha	0.391	0.024
H3104F03	Rattus norvegicus potassium channel regu	0.380	0.001
H3005A04	Mus musculus chaperonin 10 mRNA, complet	0.366	0.005
H3144B06	Mus musculus H19 and muscle-specific Nct	0.211	0.003
H3127D03	Mus musculus biglycan (Bgn), mRNA	0.187	0.019
H3140G12	H19 fetal liver	0.131	0.001
H3144B07	Mus musculus H19 and muscle-specific Nct	0.067	0.001

	Identical	Homologous
Fig 1A	metallothionein	L26 (L17)
	p35 (H3147H11)	L15 (L17)
	eIF3	L29 (L17)
		L13 (L17)
Fig 1b	enolase	L21 (L17)
Fig 1		Chronic sommatotropin2 (csh1)
		L13 (L17)
		L37 (L17)
		L22 (L17)
		L39 (L17)
		L41 (L17)
		L3 (L17)
		L12 (L17)
FIG 2C	Fibronectin receptor Beta	GLut1 (Glut4)
	lactate dehydrogenase	eIF2 (eIF 3)
	GAPDH	eIF1a (eIF 3)
	P4H	MMP7 (MMP23)
	eIF3	L9 (L17)
		L21 (L17)
		L37 (L17)
		L13 (L17)
		L28 (L17)
		L41 (L17)
		L22 (L17)
Fig 2D	lactate dehydrogenase	eIF1a (eIF 3)
	Fibronectin receptor Beta	eIF4 (eIF 3)
	Macropain 26S	eIF2 (eIF 3)
		MMP28 (MMP23)
		MMP25 (MMP23)
		L13 (L17)
		L28 (L17)
		L20 (L17)
		L15 (L17)
		L18 (L17)
		L7 (L17)
Fig 2e	enolase	L7 (L17)
	galactoside binding	L30 (L17)
	proline rich (H3116A06)	eIF2 (eIF 3)
	eIF3	L5 (L17)
		L3 (L17)
Fig 3F		Chronic sommatotropin2 (csh1)
		L22 (L17)
		L3 (L17)
		L12 (L17)
		L13 (L17)
		L37 (L17)
		L39 (L17)
		L21 (L17)

		L41 (L17)
Fig 3G	enolase	
Fig 3	Cathepsin L	GLut1 (Glut4)
	pyruvate kinase	GLut2 (Glut4)
	p35 (H3147H11)	eIF1 (Eif3)
	GPI	eIF2 (eIF 3)
	galactoside binding	eIF4 (eIF 3)
	BNIP3	AdenylateKinase 3 (ADK2)
	BNIP3L	27a (L17)
	GAPDH	L12 (L17)
	aldolase	L29 (L17)
	P4H	L30 (L17)
	ADK2	L9 (L17)
	Transglutaminase 2	L10 (L17)
		L30 (L17)
		L27 (L17)
Fig 4H	enolase	lymphocyte ant 1 (lymA 3)
	MUM2	
	Transglutaminase 2	
	Macropain 26s	
Fig 4	enolase	Chronic sommatotropin2 (csh1)
	mitochondrial carrier	L3 (L17)
	GAPDH	L12 (L17)
		L13 (L17)
		L37 (L17)
		L39 (L17)
		L21 (L17)
		L41 (L17)