

Accession Number	Gene Name	Gene Symbol	Mean Expression TOL (+MR1)	Mean Expression CTRL (-MR1)
Cell cycle, cell growth				
AV057778	Dual specificity phosphatase 22	Dusp22	-2.34	-0.89
DNA repair				
AV089058	RAD23b homolog (<i>S. cerevisiae</i>)	Rad23b	-1.51	-0.34
AV113813	Retinoblastoma binding protein 4	Rbbp4	-1.87	-0.80
Hormone				
AV223385	Prolactin-like protein B	Prlpb	-2.38	-0.96
AV003292	Cholecystokinin	Cck	-0.42	0.75
Immune response				
AA166427	Immunoglobulin heavy chain 4 (serum IgG1)	Igh-4	-0.35	1.57
AV058058	Histocompatibility 2, class II, locus DMA	H2-DMa	0.52	1.76
AV084245	Synaptophysin-like protein	Sypl	-1.68	-0.50
BG075512	Membrane metallo endopeptidase	Mme	-1.58	-0.49
AV038265	Lymphocyte antigen 6 complex, locus A	Ly6a	0.06	1.06
BG065454	N-myc downstream regulated gene 1	Ndrp1	-4.58	-3.58
Ion binding				
BG070042	Sorbitol dehydrogenase 1	Sdh1	-2.92	-1.74
Membrane				
BG073453	Neuropilin 1	Nrp1	-2.36	-0.95
AV140547	Transmembrane 4 superfamily member 8	Tm4sf8	-2.83	-1.69
AV016927	Integrin beta 1 (fibronectin receptor beta)	Itgb1	-2.21	-1.15
Metabolism				
AV058563	Protein phosphatase 1, regulatory (inhibitor) subunit 2	Ppp1r2	-1.86	-0.30
AV088048	2,4-dienoyl CoA reductase 1, mitochondrial	Decr1	-0.75	0.40
AV006379	Hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 7	Hsd3b7	-2.50	-1.39
BG064242	Pyruvate dehydrogenase complex, component X	Pdhx	-1.16	-0.11
AA175957	Heparanase	Hpse	-1.06	-0.02
Nucleus				
BG071765	Microrchidia	Morc	-4.87	-1.06
AV030488	High mobility group nucleosomal binding domain 3	Hmgn3	-2.23	-0.87
AV140192	Nucleoporin 54	Nup54	-0.78	0.47
AV037082	Small nuclear ribonucleoprotein D1	Snrpd1	-2.00	-0.90
Protein modification				
AV028546	Protein-L-isoaspartate (D-aspartate) O-methyltransferase 1	Pcmt1	-1.00	0.98
AV090021	F-box only protein 31	Fbxo31	-1.73	0.13
BG065250	Cathepsin H	Ctsh	3.74	5.07
AV003067	Anterior pharynx defective 1c homolog (<i>C. elegans</i>)	Aph1c	-1.36	-0.34
Signal transduction				
AV268070	Synaptojanin 2	Synj2	-0.27	0.85
AV024420	Inositol polyphosphate phosphatase-like 1	Inpp1	-2.22	-1.12
BG076225	Dual specificity phosphatase 16	Dusp16	-0.96	0.11

Structural

AV145175	Tubulin, beta 5	Tubb5	-2.41	-1.39
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Transcription, translation

AV053996	Recombining binding protein suppressor of hairless-like (Drosophila)	Rbpsuhl	-0.96	0.28
AV147450	Zinc finger protein 148	Zfp148	-1.56	-0.33
AV083890	Myocyte enhancer factor 2C	Mef2c	-1.66	-0.48
AV084534	Eukaryotic translation initiation factor 4E binding protein 2	Eif4ebp2	-0.42	0.75
AV067123	Myelocytomatosis oncogene	Myc	-1.51	-0.45
AV051741	ELL associated factor 2	Eaf2	-0.31	0.74

Transport

BG074144	Solute carrier family 40 (iron-regulated transporter), member 1	Slc40a1	0.73	2.46
AV048889	Trafficking protein particle complex 2	Trappc2	-1.04	0.18
AV052841	Solute carrier family 33 (acetyl-CoA transporter), member 1	Slc33a1	-1.82	-0.62
AV006077	RAB6, member RAS oncogene family	Rab6	-1.11	-0.01
BG063927	Chloride intracellular channel 4 (mitochondrial)	Clic4	-1.86	-0.77
AV052493	Solute carrier family 31, member 2	Slc31a2	-0.79	0.27
AV006147	Succinate dehydrogenase complex, subunit D, integral membrane protein	Sdhd	-1.16	-0.13
AV085180	Cytochrome c oxidase, subunit Va	Cox5a	-1.37	-0.35

Others

AV087712	PDLIM1 interacting kinase 1 like	Pdik1l	-1.64	0.36
AV083984	Fer-1-like 3, myoferlin (C. elegans)	Fer1l3	-4.32	-2.96
BG064140	IBR domain containing 3	Ibrdc3	-0.34	0.71
AV149935	4-nitrophenylphosphatase domain and non-neuronal SNAP25-like protein homolog 1 (C. elegans)	Nipsnap1	-0.95	0.09
BG075495	Echinoderm microtubule associated protein like 4	Eml4	-0.79	0.24