

Supplementary Table 1

Title	Putative Function	Seq. Derived From	Gene Symbol	FC	SLR
myogenin	Transcription factor/Differentiation/Growth	M24393	Myog	2.74	1.46
paired-like homeodomain transcription factor 2	Transcription factor	AF039832	Pitx2	1.92	0.94
four and a half LIM domains 2	Transcription factor	AA891527	Fhl2	26.7	4.74
D site albumin promoter binding protein	Transcription factor	J03179	Dbp	2.03	1.02
Matrix Gla protein	Signaling/regulation (inhibition) of calcification	AI012030	Mgp	1.92	0.94
sodium channel, voltage-gated, type I, alpha	Signaling/propagation of action potentials	M22253	Scn1a	5.45	2.45
thrombospondin 4	Signaling/Differentiation/Growth	X89963	Thbs4	2.47	1.30
insulin-like growth factor 1	Signaling/Differentiation/Growth	M81183		2.53	1.34
Annexin 1 (p35) (Lipocortin 1)	Signaling/Antiinflammation	AI171962	Anxa1	1.97	0.98
S-100 related protein, clone 42C	Signaling/?	J03627	S100A10	1.79	0.84
S100 calcium-binding protein A4	Signaling/?	X06916	S100a4	1.93	0.95
14-3-3 protein gamma-subtype	Signaling (interact with RAF1 and protein kinase C)?	AI236721	Ywhag	2.31	1.21
calsequestrin 2	Signaling	U33287	Casq2	4.61	2.21
ATPase, Ca <sup>++</sup> transporting, cardiac muscle, slow twitch 2	Signaling	AA957510	Atp2a2	2.87	1.52
t-complex testis expressed 1	Metabolism/vesicle traslocation	AB010119	Tctex1	4.63	2.21
Rat NADH-cytochrome b-5 reductase mRNA, complete cds	Metabolism/Oxidative phosphorylation	AA963839		1.83	0.87
ATPase Na <sup>+</sup> /K <sup>+</sup> transporting beta 1 polypeptide	Metabolism/Oxidative phosphorylation	AI230614	Atp1b1	2.05	1.04
pyruvate dehydrogenase kinase, isoenzyme 1	Metabolism/Glycolysis/Signaling	L22294	Pdk1	1.93	0.95
Lactate dehydrogenase B	Metabolism/Glycolysis	U07181	Ldhb	2.45	1.29
stearoyl-CoA desaturase 2	Metabolism (synthesis of unsaturated fatty acids)	AA875269	Scd2	2.38	1.25
transferrin receptor	Metabolism	M58040	Trfr	2.33	1.22

GLUT1=glucose transporter 1	Metabolism	S68135		1.75	0.81
Epoxide hydrolase 1 (microsomal xenobiotic hydrolase)	Metabolism	M26125	Ephx1	2.24	1.16
alcohol dehydrogenase family 3, subfamily A2	Metabolism	M73714	Aldh3a2	3.66	1.87
Ras-related associated with diabetes	Differentiation/Growth/Signaling/regulating rad-GTPase	U12187	Rrad	6.14	2.62
Sialoprotein (osteopontin)	Differentiation/Growth	M14656	Spp1	2.46	1.30
integrin alpha E1, epithelial-associated	Differentiation/Growth	AF020046	Itgae	2.2	1.13
homer, neuronal immediate early gene, 2	Differentiation/Growth	AB007689	Homer2	1.87	0.91
homer, neuronal immediate early gene, 2	Differentiation/Growth	AB007689	Homer2	2.13	1.09
development-related protein	Differentiation/Growth	AF045564	AF045564	2.06	1.04
cysteine-rich protein 3	Differentiation/Growth	X81193	Csrp3	2.22	1.15
Adenosine monophosphate deaminase 3	Differentiation/Growth	U90888	Ampd3	2.12	1.09
DNA polymerase alpha	Differentiation/Growth	M15114		2.42	1.27
tissue inhibitor of metalloproteinase 1	Detoxification	AI169327	Timp1	7.05	2.82
glutathione S-transferase Yc1 subunit	Detoxification	S72505		1.75	0.81
troponin I, skeletal, slow 1	Contraction	J04993	Tnni1	2.19	1.13
Rat mRNA for myosin regulatory light chain (RLC)	Contraction	X05566		1.82	0.86
embryonic skeletal muscle myosin heavy chain (MHC)	Contraction	X04267		3.8	1.93
embryonic sarcomeric myosin heavy chain protein (light meromyosin portion)	Contraction	M12098		5.24	2.39
embryonic sarcomeric myosin heavy chain protein (light meromyosin portion)	Contraction	K03467		12	3.59
Actin, alpha, cardiac	Contraction	AA866452	Actc1	9.09	3.18
Actin, alpha, cardiac	Contraction	AI104567	Actc1	9.36	3.23
alpha-actin cardiac	Contraction	X80130		3.08	1.62

protein					
alpha-actin cardiac protein	Contraction	X80130		8.48	3.08
Lysozyme	?/bacterial lysis	AA892775	Lyz	1.8	0.85
IgE binding protein	?/AGE receptot	J02962	Lgals3	3.14	1.65
testis-specific heat shock protein-related gene hst70	?	X15705	Hspt70	2.12	1.08
synaptic vesicle glycoprotein 2 b	?	AI639484	Sv2b	3.15	1.66
PDZ and LIM domain 1 (elfin)	?	U23769	Pdlim1	2.9	1.54
lumican	?	X84039	Lum	2.35	1.23
ESTs	?	AA859805		1.77	0.82
ESTs	?	AA800844		1.84	0.88
ESTs	?	AA866432		1.87	0.90
ESTs	?	AA894318		1.9	0.93
ESTs	?	AA800285		1.93	0.95
ESTs	?	H33660		1.94	0.96
ESTs	?	AA894264		2.3	1.20
ESTs	?	AA799488		2.32	1.21
ESTs	?	AI639163		2.45	1.29
ESTs	?	AA800243		3.3	1.72
ESTs	?	AI639078		7.41	2.89
EST	?	X05472		1.89	0.92