

Gene identifier	Log2 fold change (D28 vs. D21)	Adjusted p-value	Product name
Smp_050270	12.53	4.47E-23	Tyrosinase
Smp_000270	10.47	2.92E-16	hypothetical protein
Smp_138570	10.04	2.07E-41	spore germination protein
Smp_095980	9.72	1.46E-30	Extracellular superoxide dismutase (Cu Zn)
Smp_000430	9.36	2.86E-41	eggshell protein
Smp_191910	9.33	1.93E-28	Stress protein DDR48 Trematode Eggshell Synthesis domain
Smp_077890	9.31	1.08E-17	containing protein
Smp_131110	9.22	3.63E-35	hypothetical protein
Smp_077920	9.2	2.14E-16	hypothetical protein
Smp_152150	9.16	8.02E-13	hypothetical protein
Smp_014610	8.99	1.18E-52	serine:threonine kinase 1
Smp_033250	8.99	7.77E-39	hypothetical protein
Smp_000420	8.71	1.74E-34	Pro His rich protein
Smp_165360	8.65	1.13E-30	histone acetyltransferase myst4
Smp_000280	8.64	4.27E-40	hypothetical protein
Smp_000390	8.47	2.26E-27	hypothetical protein
Smp_155310	8.39	3.90E-32	tetraspanin CD63 receptor
Smp_144440	8.32	1.75E-22	replication A protein
Smp_130970	8.12	3.55E-10	G2:mitotic specific cyclin B3
Smp_000400	7.99	1.85E-12	hypothetical protein cytoplasmic polyadenylation element
Smp_137460	7.43	1.40E-11	binding
Smp_000410	7.42	3.29E-41	Trematode Eggshell Synthesis
Smp_138360	7.38	4.93E-16	hypothetical protein
Smp_065530	7.24	7.38E-08	acrosin
Smp_143970	6.94	8.71E-08	kelch protein 10
Smp_013540	6.94	3.63E-31	Tyrosinase
Smp_159810	6.73	1.92E-07	MEG-2 (ESP15) family
Smp_126340	6.69	3.54E-07	hypothetical protein
Smp_105780	6.69	5.05E-06	uro adherence factor A
Smp_080360	6.66	5.39E-07	hypothetical protein
Smp_211240	6.61	8.90E-07	beta 1
Smp_202830	6.6	7.96E-13	hypothetical protein
Smp_148390	6.59	8.39E-12	hypothetical protein
Smp_145490	6.51	1.55E-06	poly(rC) binding protein 2:3:4
Smp_164400	6.51	3.71E-16	hypothetical protein
Smp_050750	6.5	3.22E-31	hypothetical protein
Smp_083800	6.34	4.26E-12	hypothetical protein
Smp_077900	6.3	4.43E-12	female specific protein 800 (fs800)
Smp_129960	6.28	1.34E-15	hypothetical protein
Smp_170840	6.26	5.72E-06	alpha galactosidase:alpha n

Smp_122280	6.26	8.82E-06	hypothetical protein Trematode Eggshell Synthesis domain
Smp_112450	6.23	2.11E-14	containing protein
Smp_076320	6.08	1.70E-28	hypothetical protein
Smp_091210	6.06	1.32E-05	hypothetical protein
Smp_151160	6.04	5.74E-21	Stress protein DDR48 acetyl coenzyme A carboxylase;
Smp_095350	5.96	2.60E-07	methylcrotonyl CoA
Smp_136100	5.82	4.09E-05	kelch protein 10
Smp_078720	5.75	4.73E-05	hypothetical protein
Smp_151150	5.64	2.18E-09	arabinogalactan protein sodium dependent neurotransmitter
Smp_055260	5.49	3.58E-14	transporter
Smp_130780	5.38	1.45E-04	monocarboxylate transporter
Smp_011870	5.34	1.01E-12	hypothetical protein
Smp_153930	5.33	1.08E-34	invadolysin (M08 family)
Smp_158150	5.27	4.43E-17	reticulocalbin 2 Spindle assembly checkpoint component
Smp_139380	5.19	6.07E-04	MAD1
Smp_192220	5.18	9.25E-07	hypothetical protein
Smp_124510	5.17	1.56E-04	hypothetical protein
Smp_058160	5.12	3.98E-10	hypothetical protein
Smp_202840	5.05	7.29E-04	egg protein CP391S
Smp_041880	4.9	5.24E-04	peptide (allatostatin:somatostatin)
Smp_241440	4.88	8.17E-14	NA
Smp_175560	4.86	1.31E-22	beta site APP cleaving enzyme 1 zinc finger CCCH domain containing protein
Smp_056280	4.74	1.76E-04	31
Smp_093790	4.73	1.87E-03	Prokaryotic membrane lipoprotein lipid
Smp_195090	4.64	2.06E-41	tegument-allergen-like protein
Smp_142800	4.63	9.13E-04	hypothetical protein
Smp_000290	4.62	1.76E-09	female-specific protein 800 (fs800)
Smp_181510	4.54	1.63E-03	hypothetical protein
Smp_161060	4.47	3.00E-03	hypothetical protein
Smp_005470	4.39	5.09E-06	dynein light chain
Smp_196950	4.37	5.29E-13	one cut domain family member
Smp_154390	4.29	3.93E-04	hypothetical protein
Smp_122170	4.09	6.35E-03	phd finger protein 10
Smp_056700	3.99	1.11E-51	membrane associated RING finger protein
Smp_074570	3.97	5.58E-17	hypothetical protein
Smp_125450	3.9	1.47E-03	retinal guanylyl cyclase 2
Smp_141480	3.88	2.42E-05	hypothetical protein

		cytoplasmic polyadenylation element
Smp_070360	3.85	1.92E-03 binding
Smp_005710	3.75	1.00E-19 egg protein CP391S
Smp_204860	3.72	2.58E-05 hypothetical protein
Smp_194750	3.67	1.55E-08 protein SPATIAL
Smp_169090	3.64	5.06E-27 solute carrier family 43
Smp_142680	3.43	6.07E-03 long chain fatty acid coenzyme A ligase
Smp_140720	3.41	8.61E-15 hypothetical protein
Smp_141450	3.32	9.91E-06 Serine protease 5
Smp_056290	3.31	2.86E-03 retinal specific ATP binding cassette
Smp_063520	3.25	2.70E-07 pre B cell leukemia transcription factor 3
Smp_084270	3.23	1.06E-11 rhodopsin orphan GPCR
Smp_105730	3.12	5.90E-27 CAI 2 protein
Smp_104450	3.11	4.19E-03 hypothetical protein
Smp_017610	3.08	2.10E-25 amiloride sensitive amine oxidase
Smp_181390	3.03	1.06E-22 hypothetical protein
Smp_054010	3.03	2.41E-26 γ -l amino acid transporter 2
Smp_173150	3.02	5.76E-58 cd63 antigen
Smp_161240	3.02	6.99E-13 hypothetical protein
Smp_159480	3.01	1.22E-05 hypothetical protein
Smp_038970	3.01	7.61E-04 long chain fatty acid coenzyme A ligase
Smp_146480	2.99	4.09E-07 hypothetical protein
Smp_212440	2.95	2.09E-03 nuclear hormone receptor
Smp_149610	2.95	7.62E-76 hypothetical protein
Smp_176400	2.91	3.54E-03 hypothetical protein
Smp_089200	2.9	4.54E-163 multidrug resistance protein
Smp_174530	2.82	1.91E-09 aminopeptidase PILS (M01 family)
Smp_212430	2.81	1.12E-22 nuclear hormone receptor
Smp_187350	2.8	2.71E-08 hypothetical protein
Smp_087320	2.8	2.33E-03 TPA induced protein 11B mouse
Smp_183630	2.78	1.62E-21 hypothetical protein
Smp_144860	2.75	1.99E-14 protein boule
Smp_074710	2.68	9.20E-15 Def8 protein
Smp_151850	2.65	4.01E-06 inositol 1
		sodium dependent neurotransmitter
Smp_129920	2.65	5.65E-03 transporter
Smp_191670	2.63	1.80E-72 hypothetical protein
		uncharacterized MFS type transporter
Smp_134710	2.58	1.04E-12 C19orf28
Smp_174810	2.57	4.70E-33 Extracellular superoxide dismutase (Cu Zn)
Smp_204780	2.55	5.81E-03 hypothetical protein
Smp_145020	2.55	1.44E-05 glutamate semialdehyde dehydrogenase

Smp_151860	2.55	8.88E-03	inositol 1 4
Smp_123550	2.53	2.78E-27	venom allergen (VAL) 8 protein type inositol trisphosphate receptor;
Smp_199540	2.53	2.95E-06	inositol trisphosphate receptor type
Smp_061100	2.51	3.25E-15	hypothetical protein
Smp_172980	2.49	1.28E-05	lin 7 protein
Smp_009230	2.49	2.85E-03	hypothetical protein
Smp_123540	2.49	1.44E-22	venom allergen-like (VAL) 12 protein
Smp_134870	2.48	4.59E-32	early growth response protein
Smp_070540	2.46	4.32E-19	hypothetical protein
Smp_169100	2.46	2.72E-14	monocarboxylate transporter
Smp_134620	2.46	1.03E-49	monocarboxylate transporter
Smp_106010	2.45	2.24E-27	hypothetical protein
Smp_160890	2.44	1.07E-33	STARP antigen
Smp_200110	2.43	3.54E-08	hypothetical protein
Smp_166560	2.42	2.28E-09	zinc finger homeobox protein 1
Smp_153000	2.38	4.59E-57	hypothetical protein
Smp_124750	2.36	9.03E-08	hypothetical protein
Smp_019310	2.34	3.01E-74	dynein light chain
Smp_158360	2.34	1.75E-06	hypothetical protein
Smp_214150	2.34	2.05E-08	hypothetical protein
Smp_203090	2.31	4.73E-05	hypothetical protein
Smp_082580	2.29	7.36E-04	hypothetical protein
Smp_195060	2.28	5.41E-25	hypothetical protein
Smp_197400	2.27	1.06E-20	hypothetical protein uncharacterized MFS type transporter
Smp_119580	2.26	1.07E-03	C19orf28
Smp_169200	2.24	6.60E-26	tegument-allergen-like protein
Smp_172960	2.22	2.12E-91	serine type protease inhibitor single kunitz protease inhibitor; serine type
Smp_147730	2.22	1.67E-62	protease inhibitor
Smp_174520	2.22	2.21E-05	dynein light chain
Smp_163610	2.22	1.73E-159	GST class mu; SM26:2 antigen; glutathione
Smp_157020	2.2	6.29E-10	titin
Smp_159920	2.18	2.65E-25	protocadherin 11
Smp_074560	2.17	1.94E-74	hypothetical protein
Smp_070100	2.15	4.74E-58	hypothetical protein
Smp_105410	2.14	1.14E-81	glucose transport protein
Smp_025380	2.13	9.06E-38	16 kda calcium binding protein
Smp_083770	2.12	1.56E-13	anoctamin 7
Smp_057790	2.11	4.73E-03	fibrocystin I
Smp_124070	2.11	3.76E-20	venom allergen (val) protein
Smp_128460	2.11	6.76E-27	cation transporting atpase worm
Smp_158520	2.09	3.98E-25	diacylglycerol O acyltransferase

Smp_007670	2.08	7.53E-11	hypothetical protein
Smp_007760	2.06	6.29E-50	alanine aminotransferase 2
Smp_094500	2.05	1.15E-34	choline dehydrogenase
Smp_135020	2.03	4.00E-22	oxalate:formate antiporter
Smp_210300	2.02	3.52E-33	phospholipase DDHD1
Smp_074460	2.02	3.41E-27	tegument-allergen-like protein
Smp_077880	2.01	1.10E-14	annexin
Smp_169930	2	3.06E-05	HORMA domain containing protein 1
Smp_204020	1.99	5.13E-04	hypothetical protein Tyrosine DeCarboxylase family member
Smp_135230	1.99	5.21E-17	(tdc 1)
Smp_128010	1.95	9.75E-05	hypothetical protein
Smp_052880	1.95	7.08E-26	hypothetical protein
Smp_116760	1.94	2.83E-12	hypothetical protein
Smp_161190	1.93	2.53E-09	hypothetical protein
Smp_175090	1.92	7.90E-191	long-chain-fatty-acid--CoA ligase
Smp_099090	1.9	1.01E-06	hypothetical protein
Smp_170040	1.89	7.87E-04	hypothetical protein
Smp_145290	1.89	3.09E-13	alkaline phosphatase
Smp_124050	1.89	4.40E-30	venom allergen-like (VAL) 6 protein
Smp_170050	1.89	1.91E-04	hypothetical protein
Smp_182770	1.88	3.88E-11	hypothetical protein
Smp_168730	1.88	5.37E-60	carbonic anhydrase
Smp_160910	1.88	4.19E-09	hypothetical protein
Smp_057710	1.87	3.89E-04	hypothetical protein
Smp_149820	1.87	7.21E-08	glycoprotein N acetylgalactosamine
Smp_025830	1.86	1.42E-107	adp ribosyl cyclase
Smp_007270	1.86	8.62E-93	smoothelin
Smp_198900	1.85	1.99E-09	hypothetical protein
Smp_129780	1.85	5.96E-03	C2 calcium:lipid binding region sphingolipid delta(4) desaturase:C4
Smp_145900	1.83	2.34E-03	hydroxylase
Smp_086130	1.83	6.30E-16	hypothetical protein
Smp_214380	1.83	4.84E-04	alpha(13)fucosyltransferase
Smp_185340	1.82	5.73E-05	hypothetical protein
Smp_010450	1.81	1.74E-04	hypothetical protein
Smp_114660	1.79	1.35E-53	hypothetical protein
Smp_201600	1.78	1.21E-35	hypothetical protein
Smp_025370	1.76	3.48E-82	lipopolysaccharide induced sodium:chloride dependent
Smp_160360	1.75	9.64E-44	neurotransmitter
Smp_128470	1.75	7.69E-12	cation transporting atpase worm
Smp_148040	1.74	6.57E-07	DC STAMP domain containing protein 1
Smp_154970	1.74	7.39E-31	hypothetical protein

Smp_169570	1.73	3.46E-28 glycerol 3 phosphate dehydrogenase
Smp_001410	1.72	1.60E-41 glyoxalase domain containing protein 4
Smp_108550	1.72	3.44E-22 hypothetical protein
Smp_202260	1.72	3.95E-39 hypothetical protein cAMP dependent protein kinase catalytic
Smp_194610	1.71	7.03E-37 subunit
Smp_156510	1.71	5.31E-28 PDZ and LIM domain protein 7
Smp_203190	1.71	2.02E-38 hypothetical protein
Smp_136620	1.69	5.18E-19 hypothetical protein
Smp_172830	1.68	1.78E-17 Dyp type peroxidase
Smp_195190	1.68	1.76E-59 13 kDa tegumental antigen Sm13
Smp_166920	1.68	1.58E-18 PDZ and LIM domain protein Zasp
Smp_165480	1.68	2.24E-14 hypothetical protein
Smp_180550	1.67	1.01E-07 hypothetical protein
Smp_137300	1.67	1.17E-03 amine GPCR
Smp_091820	1.66	1.46E-100 bestrophin 3
Smp_200530	1.66	5.08E-26 hypothetical protein
Smp_063060	1.65	3.39E-03 hypothetical protein
Smp_125810	1.65	6.57E-12 zinc finger protein 112
Smp_163520	1.64	1.15E-20 hypothetical protein
Smp_056460	1.64	4.57E-03 hypothetical protein
Smp_165850	1.64	5.31E-134 long chain fatty acid coenzyme A ligase
Smp_020840	1.64	4.94E-04 oxalate:formate antiporter
Smp_188580	1.64	2.93E-15 hypothetical protein
Smp_160280	1.64	3.40E-19 tectonic 1
Smp_170320	1.63	3.48E-03 speedy protein A
Smp_209060	1.63	1.05E-07 alpha 1
Smp_125740	1.63	1.89E-24 hypothetical protein
Smp_018870	1.62	1.47E-18 hypothetical protein
Smp_127470	1.62	1.62E-03 hypothetical protein
Smp_095360	1.61	1.84E-124 14 kDa fatty acid-binding protein
Smp_042160	1.61	1.89E-236 fructose-bisphosphate aldolase
Smp_073490	1.61	3.14E-20 dual specificity mitogen activated protein
Smp_089320	1.6	5.36E-22 Cell wall integrity and stress response
Smp_152910	1.59	1.12E-03 hypothetical protein
Smp_057860	1.59	4.23E-31 hypothetical protein glutamine oxaloacetic transaminase;
Smp_049150	1.59	4.55E-33 glutamic oxaloacetic transaminase
Smp_050520	1.59	1.49E-54 neurogenic locus notch protein
Smp_059480	1.58	1.39E-40 thioredoxin peroxidase tubulin polymerization promoting protein
Smp_097490	1.58	8.51E-17 family
Smp_157050	1.58	1.82E-10 rhodopsin orphan GPCR

Smp_076400	1.57	3.06E-57	universal stress protein
Smp_000950	1.57	1.05E-08	protein mab like
Smp_043220	1.57	8.04E-99	hypothetical protein
Smp_142160	1.57	1.85E-43	hypothetical protein
Smp_169220	1.57	6.44E-05	hypothetical protein
Smp_130620	1.56	6.09E-18	hypothetical protein
Smp_092150	1.55	6.48E-04	hypothetical protein
Smp_130370	1.55	2.48E-06	elongation of very long chain fatty acids
Smp_071810	1.55	1.63E-05	hypothetical protein
Smp_153700	1.53	2.29E-130	hypothetical protein
Smp_035380	1.53	6.39E-03	A kinase anchor protein 14
Smp_042120	1.53	1.87E-14	hypothetical protein
Smp_154190	1.52	2.65E-04	25 kDa integral membrane protein
Smp_181470	1.52	1.17E-16	NMDA receptor glutamate binding chain hypoxanthine guanine
Smp_049850	1.52	1.15E-06	phosphoribosyltransferase
Smp_047700	1.52	1.23E-16	ring h2 finger protein atl5; ring h2 finger protein atl11; ring h2 finger protein atl10
Smp_156580	1.52	5.34E-06	Tyrosine protein kinase Dnt
Smp_086530	1.51	1.01E-28	tegument-allergen-like protein
Smp_051290	1.51	3.77E-03	hypothetical protein
Smp_123270	1.51	1.18E-94	Sj Ts1
Smp_169760	1.5	3.69E-03	hypothetical protein
Smp_144910	1.48	2.90E-87	collagen type I:II:III:V:XI alpha ectonucleoside triphosphate
Smp_042020	1.48	9.97E-34	diphosphohydrolase
Smp_137990	1.48	5.90E-06	complexin
Smp_086330	1.48	8.25E-134	Myophilin
Smp_054300	1.47	9.08E-06	alpha 1
Smp_038730	1.47	9.77E-23	hypothetical protein potassium voltage gated channel subfamily
Smp_090430	1.47	6.71E-03	C
Smp_047460	1.47	6.71E-14	astacin protein
Smp_205270	1.47	3.44E-18	ring finger protein 11 (sid 1669) (nedd4 ww
Smp_204260	1.47	1.66E-09	hypothetical protein subfamily S1A unassigned peptidase (S01
Smp_194090	1.47	4.47E-91	family)
Smp_035290	1.44	4.89E-05	hypothetical protein
Smp_097640	1.43	3.57E-16	protein FAM194B
Smp_158620	1.43	3.91E-49	retinaldehyde binding protein
Smp_045500	1.43	5.10E-32	annexin

Smp_172340	1.43	2.88E-04	hypothetical protein
Smp_179030	1.43	2.30E-04	hypothetical protein
Smp_000820	1.43	1.39E-46	hypothetical protein
Smp_202610	1.42	6.31E-10	hypothetical protein
Smp_197860	1.42	5.25E-50	gelsolin
Smp_004710	1.42	2.83E-44	hypothetical protein
Smp_003110	1.41	5.93E-22	Nadrin protein
Smp_137360	1.41	1.92E-04	hypothetical protein
Smp_132210	1.41	5.94E-35	f box only protein 32
Smp_045550	1.41	2.64E-53	annexin
			lysosome associated membrane
Smp_073400	1.41	1.09E-147	glycoprotein
Smp_164590	1.4	4.77E-30	fibrillar collagen chain FAp1 alpha
Smp_150090	1.4	1.30E-04	Monocarboxylate transporter 14
Smp_082430	1.4	9.31E-03	uridine phosphorylase
Smp_011560	1.4	3.50E-142	tetraspanin CD63 receptor
Smp_160900	1.39	1.43E-03	CCAAT box DNA binding protein subunit B
Smp_134390	1.39	7.02E-08	sterol O-acyltransferase 1
Smp_197080	1.39	2.00E-10	titin
Smp_200240	1.38	1.54E-44	universal stress protein
Smp_157690	1.38	7.25E-06	von Willebrand factor type A
Smp_149720	1.38	8.49E-10	hypothetical protein
Smp_201210	1.38	3.01E-12	hypothetical protein
Smp_012810	1.37	6.46E-39	Four and a half LIM domains protein 3
Smp_141500	1.37	1.05E-36	hypothetical protein
Smp_197370	1.37	1.28E-52	hypothetical protein
Smp_051660	1.37	1.56E-28	hypothetical protein
Smp_073990	1.37	3.24E-05	tRNA(His) guanylyltransferase
Smp_028670	1.36	1.75E-69	carbonic anhydrase II
Smp_128190	1.36	7.85E-03	hypothetical protein
Smp_090080	1.36	3.58E-33	Estrogen regulated protein EP45
Smp_141610	1.36	1.73E-202	cathepsin b
Smp_158510	1.36	5.57E-27	diacylglycerol O-acyltransferase 1
Smp_037780	1.35	1.84E-59	hypothetical protein
Smp_157310	1.35	4.14E-19	PDZ and LIM domain protein 7
Smp_090420	1.34	7.52E-03	potassium channel Kv3
Smp_161030	1.33	7.91E-34	hypothetical protein
Smp_006860	1.33	5.00E-130	PDZ and LIM domain protein Zasp
Smp_157960	1.33	1.07E-11	lisH domain containing protein ARMC9
Smp_117920	1.33	3.89E-06	steroid dehydrogenase
Smp_041430	1.33	2.90E-57	tyrosine 3 monooxygenase
Smp_122630	1.32	9.84E-03	MEG 1
Smp_134960	1.32	2.03E-05	peptide (allatostatin:somatostatin)

			ectonucleoside triphosphate
Smp_166520	1.32	2.47E-23	diphosphohydrolase
Smp_180660	1.32	7.48E-03	hypothetical protein
Smp_041570	1.32	1.59E-03	hypothetical protein
Smp_162140	1.32	3.62E-13	dynein light chain
Smp_043670	1.31	2.42E-123	ATP-dependent 6-phosphofructokinase ectonucleoside triphosphate
Smp_166490	1.31	1.54E-06	diphosphohydrolase
Smp_136430	1.31	8.14E-05	hypothetical protein
Smp_151450	1.31	6.02E-05	spermatogenesis associated protein 4
Smp_123840	1.3	7.56E-05	neurexin 2 alpha
Smp_154680	1.3	1.19E-09	glycosyltransferase 14 family member
Smp_089460	1.3	7.88E-134	calpain A
Smp_044750	1.3	1.59E-46	marvel containing potential lipid
Smp_167960	1.3	2.52E-05	hypothetical protein
Smp_002100	1.3	9.14E-70	Vesicle transport protein SFT2B
Smp_166340	1.3	8.38E-44	hypothetical protein
Smp_212820	1.29	3.54E-17	zinc finger protein
Smp_088090	1.29	3.76E-03	hypothetical protein
Smp_166180	1.29	1.60E-20	hypothetical protein
Smp_081920	1.29	6.27E-48	hypothetical protein
Smp_071520	1.29	6.44E-53	hypothetical protein
Smp_134550	1.28	1.56E-15	hypothetical protein
Smp_022340	1.28	5.66E-60	PDZ and LIM domain protein Zasp
Smp_031770	1.28	2.21E-126	tropomyosin
Smp_180240	1.27	5.36E-39	f spondin
Smp_089240	1.27	1.07E-47	alpha 1
Smp_058380	1.27	2.34E-08	latrophilin 3
Smp_200800	1.26	1.08E-12	hypothetical protein high affinity cationic amino acid
Smp_123010	1.26	1.11E-34	transporter 1 hypoxanthine-guanine
Smp_103560	1.26	6.65E-42	phosphoribosyltransferase
Smp_134040	1.26	4.56E-11	Ecdysone induced protein 74EF B
Smp_174110	1.26	8.35E-26	protein phosphatase 1 regulatory inhibitor
Smp_034550	1.26	1.60E-23	alpha actinin
Smp_131080	1.25	4.54E-16	hypothetical protein
Smp_136710	1.24	4.66E-35	calcium transporting atpase
Smp_192780	1.24	9.34E-04	hypothetical protein
Smp_052470	1.24	4.15E-17	o methyltransferase
Smp_205720	1.24	1.22E-08	universal stress protein in QAH:OAS EF hand calcium binding domain containing
Smp_153540	1.24	8.58E-04	protein

Smp_134450	1.24	2.36E-08	hypothetical protein calcium dependent mitochondrial carrier
Smp_025410	1.24	8.05E-13	protein
Smp_031300	1.23	1.37E-13	universal stress protein
Smp_151120	1.23	6.34E-08	potassium channel subfamily K
Smp_126220	1.23	2.30E-04	hypothetical protein
Smp_071390	1.22	4.28E-48	adenylate kinase
Smp_128370	1.22	4.88E-03	glutamate synthase
Smp_144680	1.22	4.38E-04	protein FAM154B
Smp_203130	1.22	5.44E-61	Actin 5C
Smp_202970	1.22	9.02E-63	cytoplasmic actin
Smp_157670	1.22	5.55E-40	hypothetical protein
Smp_020540	1.22	7.62E-26	LIM and senescent cell antigen containing
Smp_203440	1.21	3.96E-20	hypothetical protein
Smp_191730	1.21	2.16E-03	degenerin unc 8
Smp_158160	1.21	4.19E-03	RNA binding protein lin 28
Smp_002150	1.21	2.88E-126	trypsin-like serine protease
Smp_213500	1.21	5.93E-22	acyl coenzyme A thioesterase
Smp_034410	1.2	4.06E-49	cathepsin L
Smp_159160	1.2	3.86E-07	EF hand domain containing protein 1
Smp_163380	1.2	3.83E-08	cyclin dependent kinase 2
Smp_170020	1.2	3.95E-08	tachykinin receptor protein like
Smp_074150	1.19	4.08E-71	annexin
Smp_063330	1.19	3.30E-47	hypothetical protein
Smp_154830	1.19	1.50E-04	synaptonemal complex protein 2
Smp_144770	1.18	1.65E-90	hypothetical protein
Smp_046630	1.18	2.16E-50	hypothetical protein
Smp_047180	1.18	3.63E-03	coiled coil domain containing protein 37
Smp_173480	1.18	2.40E-25	hypothetical protein
Smp_152960	1.18	2.03E-07	rab effector MyRIP
Smp_179810	1.18	6.91E-69	oncosphere protein tso22e; oncosphere protein tso22d; oncosphere protein tso22c; oncosphere protein tso22b; oncosphere protein tso22a guanine nucleotide binding protein G(s)
Smp_172640	1.18	2.77E-03	subunit
Smp_146250	1.18	5.91E-42	fucosidase
Smp_123720	1.17	3.63E-13	hypothetical protein
Smp_006680	1.17	8.50E-32	Programmed cell death protein 10
Smp_121660	1.17	4.53E-24	IDL peptide
Smp_029160	1.17	6.33E-71	protein serac1
Smp_175310	1.17	2.32E-03	hypothetical protein

Smp_175960	1.17	5.05E-36	speckle type POZ protein
Smp_051580	1.17	1.52E-04	hypothetical protein
Smp_201130	1.16	1.41E-08	hypothetical protein
			5' AMP activated protein kinase subunit
Smp_142030	1.16	4.90E-10	gamma
Smp_196840	1.16	1.61E-29	collagen alpha 1(II) chain
Smp_050390	1.16	5.78E-89	aldehyde dehydrogenase
Smp_152970	1.16	3.80E-03	hypothetical protein
Smp_155900	1.16	2.08E-24	alkaline phosphatase
			TWiK family of potassium channels protein
Smp_034850	1.16	5.03E-18	7
Smp_143840	1.16	1.03E-213	glycogen phosphorylase
Smp_166300	1.15	3.51E-15	hypothetical protein
Smp_214200	1.15	2.90E-05	rhoprtry protein
Smp_054470	1.15	7.12E-09	thioredoxin
Smp_043120	1.14	2.99E-48	universal stress protein
Smp_146760	1.14	9.40E-03	hypothetical protein
Smp_124620	1.14	4.89E-04	hypothetical protein
			multiple C2 and transmembrane domain
Smp_130930	1.14	4.09E-06	containing protein
Smp_001070	1.14	1.20E-04	G protein coupled receptor fragment
			sterol esterase 1/lysosomal acid lipase-
Smp_011000	1.14	1.90E-07	related/lipase 1
Smp_019350	1.14	4.80E-94	hypothetical protein
			myosin regulatory light chain 2 smooth
Smp_132670	1.14	7.92E-123	muscle
Smp_007450	1.14	3.12E-32	heat shock protein 67b2
Smp_139150	1.14	5.50E-18	sodium dependent glucose transporter 1
Smp_084450	1.14	5.26E-04	hypothetical protein
			fasting inducible integral membrane
Smp_006760	1.14	9.31E-13	protein
Smp_074000	1.14	2.53E-76	hypothetical protein
			ATP binding cassette subfamily B
Smp_170820	1.14	1.47E-14	(MDR:TAP)
Smp_070780	1.13	1.94E-83	UDP glucose 4 epimerase
Smp_000180	1.13	2.63E-03	kv channel interacting protein 1
Smp_102960	1.13	2.08E-57	hypothetical protein
Smp_125480	1.13	1.47E-19	synaptopodin 2 protein like
Smp_170150	1.13	7.00E-14	hypothetical protein
Smp_154600	1.13	2.60E-38	acetylcholinesterase
Smp_138210	1.13	3.68E-23	hypothetical protein
Smp_168460	1.12	1.43E-17	hypothetical protein
Smp_106110	1.12	4.21E-15	Kv channel interacting protein 4
Smp_199830	1.12	1.58E-07	Leucine rich repeat protein

			Aquaporin 9 (AQP 9) (Small solute channel
Smp_005740	1.12	1.38E-53	1)
Smp_126820	1.12	4.19E-03	hypothetical protein
Smp_063530	1.12	5.20E-65	apoferritin-2
Smp_125980	1.12	3.98E-08	tetratricopeptide repeat protein 25
Smp_024180	1.11	9.21E-32	placenta specific gene 8 protein
Smp_121390	1.11	2.29E-12	hypothetical protein
Smp_067430	1.11	8.80E-03	oligodendrocyte transcription factor 2
Smp_005960	1.11	1.07E-03	hypothetical protein
Smp_081470	1.11	1.87E-27	hypothetical protein
Smp_143540	1.11	5.20E-04	hypothetical protein
Smp_059980	1.11	3.08E-27	arginase
Smp_154760	1.11	2.98E-45	egf domain protein
Smp_126540	1.11	1.18E-22	hypothetical protein
Smp_168560	1.11	2.11E-14	steroid dehydrogenase
Smp_044010	1.11	5.50E-42	tropomyosin
Smp_133490	1.1	2.76E-04	mitogen activated protein kinase 15 sodium potassium transporting ATPase
Smp_015020	1.1	2.95E-34	alpha subunit
Smp_136930	1.1	4.31E-17	hypothetical protein
Smp_068530	1.1	5.26E-46	syntenin 1
Smp_155890	1.1	1.09E-46	alkaline phosphatase
Smp_133170	1.1	3.05E-07	vasohibin protein
Smp_131840	1.1	1.47E-49	25 kDa integral membrane protein
Smp_140560	1.1	4.63E-15	TLC domain containing protein 2
Smp_012440	1.09	9.21E-60	glucose transport protein
Smp_136760	1.09	4.57E-24	hypothetical protein
Smp_028170	1.09	8.86E-118	hypothetical protein
Smp_128530	1.09	1.45E-06	hypothetical protein
Smp_129790	1.08	1.31E-03	synaptotagmin 3
Smp_049740	1.08	3.17E-23	hypothetical protein
Smp_162110	1.08	2.27E-08	multidrug and toxin extrusion protein 2
Smp_139070	1.07	5.16E-45	rho GTPase activating protein 17
Smp_137840	1.07	2.28E-10	hypothetical protein
Smp_070380	1.07	9.56E-72	hypothetical protein
			Aquaporin 9 (AQP 9) (Small solute channel
Smp_125220	1.07	5.50E-22	1)
Smp_056260	1.06	8.40E-04	xylosylprotein beta4 galactosyltransferase
Smp_142050	1.06	1.67E-14	Serine/Threonine Kinase
Smp_130120	1.06	6.19E-08	tetratricopeptide repeat protein 13
Smp_144850	1.06	5.59E-31	oxysterol binding protein 1
Smp_153550	1.05	1.18E-46	hypothetical protein
Smp_032720	1.05	3.78E-04	hypothetical protein

Smp_141390	1.05	1.67E-62	innexin unc 9 DNA directed RNA polymerase III largest
Smp_212330	1.05	1.78E-15	subunit
Smp_199290	1.05	7.16E-03	twik family of potassium channels
Smp_176930	1.05	4.79E-33	cationic amino acid transporter
Smp_000260	1.05	6.84E-253	proactivator polypeptide
Smp_139520	1.04	6.93E-42	eps8 protein
Smp_047660	1.04	9.30E-16	Ferritin-2 heavy chain
Smp_130140	1.04	1.96E-13	tetratricopeptide repeat protein 13
Smp_124290	1.03	1.97E-19	hypothetical protein
Smp_054620	1.03	5.92E-04	amyotrophic lateral sclerosis 2
Smp_168550	1.03	8.22E-05	steroid dehydrogenase
Smp_164730	1.03	3.35E-11	rhodopsin orphan GPCR
Smp_143690	1.03	4.24E-27	feline leukemia virus subgroup C
Smp_012560	1.03	1.94E-09	o methyltransferase
Smp_075500	1.03	4.82E-24	hypothetical protein
Smp_022760	1.03	8.80E-04	hypothetical protein
Smp_043650	1.02	4.78E-24	hypothetical protein SNF4:AMP activated protein kinase gamma
Smp_212370	1.02	4.78E-06	subunit peptidyl-alpha-hydroxyglycine alpha-
Smp_010820	1.02	4.15E-46	amidating lyase
Smp_045560	1.02	5.08E-58	annexin
Smp_194720	1.02	1.87E-16	hypothetical protein dual specificity tyrosine (Y)
Smp_141230	1.02	8.59E-03	phosphorylation
Smp_000320	1.02	3.84E-35	hypothetical protein
Smp_131050	1.02	1.40E-08	cAMP dependent protein kinase R2
Smp_055100	1.02	2.02E-09	hypothetical protein
Smp_038530	1.01	3.49E-17	dual specificity protein phosphatase 14
Smp_043030	1.01	3.22E-57	hexokinase
Smp_000660	1.01	2.31E-51	ornithine aminotransferase EF hand domain containing family member
Smp_027430	1.01	3.37E-13	A2
Smp_154050	1.01	1.83E-03	hypothetical protein
Smp_172750	1.01	5.69E-25	cation transporting atpase worm
Smp_137580	1.01	1.61E-24	helicase ski2w
Smp_213900	1.01	1.20E-13	type IV collagen alpha 1 chain
Smp_097940	1.01	7.13E-05	serine:threonine protein kinase Nek7
Smp_000850	1	5.40E-24	cysteine string protein
Smp_070030	1	1.03E-21	Charged multivesicular body protein 2b A
Smp_042150	1	3.44E-04	tegument-allergen-like protein