

Gene identifier	Log2 fold change (D13 vs. D6)	Adjusted p-value	Product name
Smp_138080	-12.62	1.48E-19	MEG-3 (Grail) family
Smp_138070	-11.99	3.58E-30	MEG-3 (Grail) family
Smp_159810	-11.22	1.02E-48	MEG-2 (ESP15) family
Smp_159800	-9.66	5.10E-28	MEG-2 (ESP15) family
Smp_181510	-9.58	1.15E-13	hypothetical protein
Smp_032990	-8.98	7.14E-13	Calmodulin 4 (Calcium binding protein
Smp_159830	-8.69	1.00E-05	MEG-2 (ESP15) family
Smp_138060	-8.06	3.76E-09	MEG-3 (Grail) family
Smp_203400	-7.34	1.88E-07	rhodopsin orphan GPCR
Smp_005470	-7.31	3.34E-08	dynein light chain
Smp_077610	-6.61	6.19E-07	hypothetical protein
Smp_166350	-6.59	1.31E-06	hypothetical protein
Smp_180330	-5.97	2.91E-32	MEG 2 (ESP15) family
Smp_205660	-5.84	4.52E-15	hypothetical protein
Smp_033250	-5.8	4.43E-05	hypothetical protein
Smp_132500	-5.73	4.50E-04	ras and EF hand domain containing protein
Smp_152730	-5.68	3.41E-11	histone lysine N methyltransferase MLL3
Smp_241430	-5.61	3.89E-23	Aquaporin 12A
Smp_125060	-5.55	6.70E-04	kinase suppressor of Ras (KSR)
Smp_198060	-5.51	4.73E-13	hypothetical protein
Smp_032970	-5.51	0.00E+00	calmodulin protein
Smp_126580	-5.42	7.92E-09	calcium activated potassium channel
Smp_156600	-5.37	1.70E-35	hypothetical protein
Smp_155310	-5.25	6.51E-04	tetraspanin CD63 receptor
Smp_129780	-5.19	9.98E-12	C2 calcium:lipid binding region
Smp_139250	-5.11	7.67E-03	WD repeat containing protein 86
Smp_183250	-5.01	2.08E-03	MAGUK p55 subfamily
Smp_155250	-4.99	2.57E-03	nuclear receptor subfamily 2 group E
Smp_153090	-4.98	1.95E-03	hypothetical protein
Smp_112930	-4.96	6.79E-03	hypothetical protein
Smp_152590	-4.93	4.63E-24	MEG-10
Smp_095980	-4.89	2.06E-03	Extracellular superoxide dismutase (Cu Zn)
Smp_083800	-4.89	5.35E-05	hypothetical protein
Smp_165360	-4.87	1.40E-03	histone acetyltransferase myst4
Smp_202830	-4.85	1.34E-03	hypothetical protein
			single kunitz protease inhibitor; serine type
Smp_147730	-4.79	1.08E-258	protease inhibitor
Smp_008170	-4.79	7.62E-06	calcium activated potassium channel
Smp_161340	-4.68	3.29E-03	Sm29
Smp_067430	-4.67	1.71E-13	oligodendrocyte transcription factor 2
Smp_022450	-4.61	0.00E+00	hypothetical protein
Smp_182770	-4.6	3.49E-92	hypothetical protein
Smp_185750	-4.51	4.47E-26	hypothetical protein

Smp_170890	-4.5	4.89E-03	Cell wall integrity and stress response
Smp_078720	-4.5	4.87E-03	hypothetical protein
Smp_136100	-4.5	4.78E-03	kelch protein 10
Smp_170840	-4.5	4.55E-03	alpha galactosidase:alpha n
Smp_041880	-4.5	4.41E-03	peptide (allatostatin:somatostatin) Trematode Eggshell Synthesis domain
Smp_112450	-4.49	3.51E-03	containing protein
Smp_049230	-4.48	4.08E-03	Major egg antigen (p40)
Smp_141480	-4.48	4.18E-03	hypothetical protein
Smp_105780	-4.48	6.46E-03	uro adherence factor A
Smp_129280	-4.43	2.42E-12	hypothetical protein
Smp_142220	-4.42	1.99E-07	apobec1 complementation factor
Smp_191910	-4.39	5.90E-06	Stress protein DDR48
Smp_200090	-4.39	1.49E-03	hypothetical protein
Smp_194060	-4.37	9.82E-03	hypothetical protein
Smp_172460	-4.35	2.70E-46	Krueppel factor 10 like
Smp_059480	-4.33	0.00E+00	thioredoxin peroxidase
Smp_129270	-4.27	7.12E-50	camp specific 3'
Smp_149980	-4.2	1.33E-09	soluble guanylate cyclase 88e
Smp_212180	-4.14	8.08E-29	glucose dehydrogenase (acceptor) cat eye syndrome critical region protein;
Smp_149870	-4.1	1.11E-88	cat eye syndrome candidate region protein
Smp_174810	-4.09	7.31E-101	Extracellular superoxide dismutase (Cu Zn)
Smp_146760	-4.05	4.97E-30	hypothetical protein
Smp_131110	-4.05	3.95E-09	hypothetical protein
Smp_149860	-4.04	5.92E-96	cat eye syndrome critical region protein 5
Smp_188190	-4.01	5.77E-03	hypothetical protein
Smp_174400	-4	7.82E-05	hypothetical protein
Smp_201330	-3.9	2.08E-32	egg protein CP391S
Smp_144860	-3.85	6.06E-13	protein boule
Smp_114660	-3.83	1.26E-229	hypothetical protein
Smp_139140	-3.78	2.93E-15	hypothetical protein
Smp_058380	-3.78	6.03E-73	latrophilin 3
Smp_036470	-3.76	8.93E-45	oxalate:formate antiporter
Smp_180620	-3.76	5.83E-148	MEG 17
Smp_094560	-3.75	3.57E-143	Kv4 class voltage gated potassium channel
Smp_179860	-3.71	9.76E-05	MEG-2 (ESP15) family
Smp_076620	-3.7	1.51E-04	RB1 inducible coiled coil protein 1
Smp_138570	-3.68	7.56E-03	spore germination protein
Smp_194700	-3.67	9.56E-07	cyclic nucleotide gated cation channel
Smp_038730	-3.63	1.31E-191	hypothetical protein
Smp_175310	-3.63	1.46E-30	hypothetical protein
Smp_074570	-3.61	5.07E-35	hypothetical protein
Smp_187410	-3.59	1.80E-20	hypothetical protein
Smp_124380	-3.59	4.23E-03	leucine rich

Smp_084270	-3.57	2.23E-04	rhodopsin orphan GPCR
Smp_147740	-3.56	1.59E-05	family M13 unassigned peptidase (M13)
Smp_000430	-3.53	1.55E-05	eggshell protein sodium dependent neurotransmitter
Smp_129920	-3.53	3.02E-05	transporter
Smp_009230	-3.49	6.31E-05	hypothetical protein
Smp_161240	-3.48	6.26E-33	hypothetical protein
Smp_071810	-3.41	8.19E-15	hypothetical protein
Smp_167660	-3.4	2.73E-70	Protein phosphatase 1 regulatory subunit
Smp_144440	-3.35	8.52E-06	replication A protein
Smp_074560	-3.29	3.53E-98	hypothetical protein
Smp_158180	-3.28	2.45E-14	hypothetical protein
Smp_141800	-3.24	6.28E-33	oxalate:formate antiporter
Smp_125420	-3.24	7.62E-19	corticotropin releasing factor receptor 2
Smp_205310	-3.24	1.51E-04	egg protein CP391S
Smp_200110	-3.23	2.10E-12	hypothetical protein
Smp_202160	-3.19	9.98E-03	hypothetical protein
Smp_156510	-3.15	6.99E-113	PDZ and LIM domain protein 7
Smp_154220	-3.13	6.71E-03	hypothetical protein
Smp_180550	-3.12	2.75E-25	hypothetical protein
Smp_164020	-3.11	1.29E-71	phosphatase and actin regulator 3
Smp_105370	-3.05	3.51E-45	cathepsin B peptidase (C01 family)
Smp_004710	-3.05	1.63E-229	hypothetical protein
Smp_077880	-3.05	6.20E-67	annexin sterol esterase 1/lysosomal acid lipase-
Smp_011000	-3.03	1.46E-71	related/lipase 1
Smp_147030	-3.02	9.01E-05	hypothetical protein
Smp_144300	-3	1.48E-29	tns1 protein
Smp_187640	-3	3.55E-07	regulator of G protein signaling 3 rgs3
Smp_204600	-2.99	2.69E-10	invadolysin (M08 family)
Smp_172630	-2.99	2.41E-15	hypothetical protein
Smp_157100	-2.99	1.26E-78	sphingoid long chain base kinase
Smp_164180	-2.98	1.84E-12	par domain protein
Smp_125450	-2.96	1.81E-06	retinal guanylyl cyclase 2
Smp_134390	-2.95	2.45E-48	sterol O-acyltransferase 1
Smp_016750	-2.95	6.44E-03	zinc finger protein 488 forkhead protein: forkhead protein domain
Smp_127090	-2.95	7.59E-05	C3503
Smp_121780	-2.94	9.42E-108	myosin light chain kinase
Smp_166920	-2.94	4.28E-67	PDZ and LIM domain protein Zasp
Smp_071050	-2.94	9.52E-265	hypothetical protein
Smp_057710	-2.93	3.58E-12	hypothetical protein
Smp_059980	-2.93	1.19E-226	arginase
Smp_129250	-2.92	1.03E-23	retinaldehyde binding protein
Smp_134870	-2.91	9.45E-58	early growth response protein

Smp_141670	-2.85	2.27E-04	hypothetical protein
Smp_047660	-2.85	1.47E-191	Ferritin-2 heavy chain
Smp_047460	-2.85	1.03E-59	astacin protein
Smp_198890	-2.84	1.55E-184	hypothetical protein
			5' AMP activated protein kinase subunit
Smp_142030	-2.84	1.49E-71	gamma metallophosphoesterase domain
Smp_129510	-2.82	5.16E-104	containing protein
Smp_000280	-2.82	6.16E-03	hypothetical protein
Smp_204020	-2.82	5.78E-12	hypothetical protein
Smp_191730	-2.79	9.54E-24	degenerin unc 8
Smp_180660	-2.79	4.41E-11	hypothetical protein
Smp_161100	-2.79	4.15E-12	FH1:FH2 domain containing protein 3
Smp_032750	-2.78	7.45E-07	guanine nucleotide binding protein G(i)
Smp_123300	-2.77	7.42E-98	follistatin
Smp_212390	-2.77	7.30E-110	ubiquitin specific peptidase 2 (C19 family)
Smp_157840	-2.77	2.23E-11	transcription factor AP 2 epsilon
Smp_157020	-2.76	1.74E-17	titin
Smp_181470	-2.76	4.01E-81	NMDA receptor glutamate binding chain
Smp_123250	-2.75	1.32E-23	headcase protein
Smp_188010	-2.75	2.50E-17	phosphatase and actin regulator 3
Smp_142280	-2.74	2.10E-09	hyperpolarization activated cyclic
Smp_206130	-2.74	4.09E-05	unkempt protein
Smp_168610	-2.72	1.35E-04	myelin transcription factor 1 protein
Smp_105220	-2.71	1.25E-139	hypothetical protein
Smp_139410	-2.71	6.95E-15	small conductance calcium activated
Smp_033000	-2.7	1.38E-20	calcium-binding protein
Smp_134100	-2.7	2.00E-18	G protein coupled receptor fragment
Smp_193400	-2.69	8.33E-04	hypothetical protein
			subfamily A1A unassigned peptidase (A01
Smp_136840	-2.68	4.01E-03	family)
Smp_163140	-2.67	4.44E-06	pituitary homeobox protein
Smp_005960	-2.67	2.21E-15	hypothetical protein
Smp_062900	-2.66	5.94E-05	tryparedoxin peroxidase
Smp_197150	-2.66	2.71E-14	high affinity cGMP specific 3'
Smp_056940	-2.65	4.72E-05	histone lysine N methyltransferase MLL3
Smp_129790	-2.63	2.48E-22	synaptotagmin 3
Smp_012920	-2.63	5.59E-28	class A rhodopsin G protein coupled
Smp_166340	-2.63	3.59E-242	hypothetical protein
Smp_154250	-2.63	2.75E-32	ring finger protein unkempt
Smp_161600	-2.62	6.51E-51	sox transcription factor
Smp_161190	-2.61	7.68E-11	hypothetical protein
Smp_241450	-2.61	5.82E-141	hypothetical protein
			SNF4:AMP activated protein kinase gamma
Smp_212370	-2.6	7.52E-46	subunit

Smp_136020	-2.6	5.68E-07	hypothetical protein
Smp_092150	-2.59	2.13E-13	hypothetical protein
Smp_148040	-2.59	4.90E-11	DC STAMP domain containing protein 1
Smp_156390	-2.58	1.47E-44	growth factor receptor bound protein
Smp_144830	-2.57	1.75E-03	hypothetical protein
Smp_075390	-2.56	9.71E-32	hypothetical protein
Smp_187090	-2.56	8.48E-17	hypothetical protein
Smp_013570	-2.54	7.45E-55	hypothetical protein
Smp_046630	-2.52	9.02E-283	hypothetical protein
Smp_003600	-2.52	7.54E-06	DM9 domain containing protein
Smp_176110	-2.5	2.19E-58	hypothetical protein
Smp_077850	-2.5	1.51E-79	actin
Smp_160670	-2.49	1.34E-20	paired box protein pax 6
Smp_151040	-2.49	3.68E-22	cyclin dependent kinase 5 activator 1
Smp_122870	-2.48	4.96E-19	regulator of G protein signaling
Smp_000350	-2.47	9.10E-12	hypothetical protein
Smp_166770	-2.46	2.91E-07	hypothetical protein
Smp_164380	-2.45	8.38E-111	protein KINase family member (kin 1)
Smp_117620	-2.45	7.21E-03	hypothetical protein
Smp_201700	-2.45	7.40E-39	hypothetical protein
Smp_175010	-2.43	1.94E-10	vesicular glutamate transporter peptidyl-alpha-hydroxyglycine alpha-
Smp_010820	-2.42	1.56E-270	amidating lyase
Smp_186780	-2.41	6.21E-05	hypothetical protein
Smp_113310	-2.41	7.27E-04	hypothetical protein
Smp_014610	-2.41	2.12E-04	serine:threonine kinase 1
Smp_034310	-2.41	2.74E-06	hypothetical protein
Smp_125890	-2.4	2.61E-41	dna photolyase
Smp_105410	-2.38	1.61E-109	glucose transport protein
Smp_194470	-2.38	2.98E-17	hypothetical protein
Smp_134160	-2.38	2.73E-10	sulfate transporter
Smp_151160	-2.38	1.02E-03	Stress protein DDR48 EF hand calcium binding domain containing
Smp_150830	-2.37	3.10E-11	protein
Smp_194420	-2.37	3.45E-66	hypothetical protein
Smp_138210	-2.34	3.90E-96	hypothetical protein
Smp_124260	-2.34	4.16E-08	hypothetical protein
Smp_021260	-2.34	1.01E-05	protein phosphatase 1 regulatory subunit
Smp_124690	-2.33	1.58E-04	voltage dependent calcium channel
Smp_163740	-2.33	6.24E-04	nesprin 1
Smp_133840	-2.31	3.23E-04	lipoygenase y domain containing protein
Smp_059170	-2.31	5.25E-96	troponin i
Smp_033010	-2.3	8.79E-12	16 kda calcium binding protein
Smp_171730	-2.29	4.34E-04	hypothetical protein
Smp_170200	-2.29	2.58E-57	alpha tocopherol transfer protein

Smp_122880	-2.29	1.75E-07	hypothetical protein
Smp_180510	-2.28	4.76E-122	protein FAM46C
Smp_144350	-2.28	4.75E-12	hypothetical protein
Smp_187590	-2.28	8.53E-20	hypothetical protein
Smp_141810	-2.28	6.27E-55	hypothetical protein
Smp_147090	-2.28	1.85E-18	hypothetical protein
Smp_150240	-2.27	1.15E-06	secretory glycoprotein k5
Smp_047680	-2.26	2.04E-46	Ferritin-2 heavy chain
Smp_201600	-2.25	1.59E-42	hypothetical protein
Smp_136110	-2.25	6.59E-08	leucine rich repeat containing protein 68 ankyrin repeat and death domain
Smp_198360	-2.25	1.59E-58	containing protein
Smp_042120	-2.24	4.73E-41	hypothetical protein
Smp_167680	-2.23	9.10E-04	E3 ubiquitin protein ligase HUWE1
Smp_144650	-2.23	3.05E-15	hypothetical protein
Smp_142290	-2.23	1.01E-12	hyperpolarization activated cyclic
Smp_089670	-2.23	6.17E-68	alpha 2 macroglobulin
Smp_015190	-2.23	1.39E-03	serine rich repeat protein subfamily S1A unassigned peptidase (S01
Smp_194090	-2.22	4.79E-181	family)
Smp_124990	-2.22	4.47E-38	ras protein family 2 like
Smp_155040	-2.22	2.54E-04	cyclic nucleotide gated cation channel
Smp_149770	-2.22	1.08E-18	5 hydroxytryptamine receptor 1A
Smp_144790	-2.21	6.86E-07	calmodulin
Smp_145890	-2.21	9.22E-49	adamTS protein 3
Smp_156550	-2.2	5.95E-05	alpha amylase
Smp_089200	-2.2	2.90E-70	multidrug resistance protein
Smp_064460	-2.2	2.63E-03	hypothetical protein
Smp_127770	-2.19	6.38E-37	ras GTP exchange factor
Smp_135040	-2.18	3.39E-29	gamma aminobutyric acid receptor subunit
Smp_168730	-2.18	1.05E-39	carbonic anhydrase
Smp_173010	-2.17	3.79E-20	neuropeptide receptor a
Smp_058080	-2.17	5.34E-13	neuropeptide Y receptor
Smp_198020	-2.17	2.06E-10	o methyltransferase
Smp_198220	-2.17	6.01E-07	hypothetical protein
Smp_077980	-2.17	1.51E-137	neuroendocrine convertase 2
Smp_163890	-2.16	7.35E-06	hypothetical protein
Smp_121230	-2.16	1.34E-03	hypothetical protein
Smp_011700	-2.15	2.51E-213	proto oncogene tyrosine protein kinase
Smp_194830	-2.15	4.56E-108	SmKK7
Smp_151950	-2.14	1.35E-03	zinc finger protein
Smp_135250	-2.14	9.93E-03	Placenta specificprotein 8 protein
Smp_126440	-2.13	1.03E-235	ankyrin repeat domain containing protein
Smp_158460	-2.13	7.48E-31	breast cancer anti estrogen resistance
Smp_142820	-2.12	6.15E-12	hypothetical protein

Smp_161280	-2.11	5.29E-10	hypothetical protein
Smp_166380	-2.1	2.72E-27	hypothetical protein
Smp_201130	-2.1	8.93E-26	hypothetical protein
Smp_162300	-2.1	2.25E-24	epididymal sperm binding protein 1
Smp_162190	-2.1	3.68E-08	cysteine and glycine rich protein 2
Smp_155930	-2.1	8.71E-03	hypothetical protein
Smp_155680	-2.1	6.89E-03	hypothetical protein
Smp_132210	-2.1	1.79E-86	f box only protein 32
Smp_141570	-2.1	5.71E-06	TWiK family of potassium channels protein
Smp_204830	-2.09	1.09E-21	egg protein CP391S
Smp_193800	-2.09	1.40E-08	high affinity octopamine transporter
Smp_131350	-2.08	1.42E-35	Ileal sodium:bile acid cotransporter
Smp_041630	-2.08	5.69E-113	BCL2 apoptosis inhibitor
Smp_146750	-2.08	8.49E-25	sodium:hydrogen exchanger 2 (nhe2)
Smp_059080	-2.07	1.78E-04	hypothetical protein
Smp_106010	-2.07	4.40E-18	hypothetical protein
Smp_155950	-2.07	6.15E-16	serine:threonine protein kinase D1
Smp_191310	-2.07	4.24E-44	histone deacetylase 4
Smp_132040	-2.07	7.49E-13	DnaJ protein subfamily C 8
Smp_022300	-2.06	4.05E-06	sulfate transporter
Smp_078160	-2.04	4.12E-75	RB1 inducible coiled coil protein 1
Smp_140190	-2.04	2.28E-03	G protein coupled receptor fragment sodium and chloride dependent GABA
Smp_129900	-2.04	2.60E-67	transporter
Smp_124620	-2.04	9.32E-18	hypothetical protein
Smp_034610	-2.04	2.13E-18	innexin FMRFamide activated amiloride sensitive
Smp_083980	-2.03	7.10E-05	sodium
Smp_042150	-2.03	4.58E-38	tegument-allergen-like protein
Smp_140710	-2.02	5.82E-12	hypothetical protein
Smp_143710	-2.01	8.42E-25	gamma aminobutyric acid receptor subunit
Smp_000900	-2.01	6.53E-34	neuropeptide FF receptor 1
Smp_198620	-2.01	5.36E-32	multiple pdz domain protein
Smp_174870	-2.01	6.64E-62	hypothetical protein
Smp_100540	-2.01	2.09E-04	hypothetical protein
Smp_152970	-2	2.33E-07	hypothetical protein
Smp_052880	-2	7.38E-21	hypothetical protein
Smp_123100	-2	3.51E-56	hypothetical protein
Smp_179110	-2	2.47E-04	purine nucleoside phosphorylase
Smp_206080	-1.99	6.64E-16	hypothetical protein
Smp_134500	-1.99	1.72E-04	calcium:calmodulin dependent 3'
Smp_150180	-1.99	1.19E-13	octopamine receptor oamb
Smp_158370	-1.99	3.58E-05	tubulin monoglycylase TTLL3
Smp_038530	-1.99	5.35E-72	dual specificity protein phosphatase 14
Smp_168960	-1.98	8.51E-57	multiple pdz domain protein

Smp_079280	-1.98	6.31E-03	hypothetical protein
Smp_145350	-1.98	1.59E-159	ubiquitin conjugating enzyme E2 H
Smp_088090	-1.97	3.52E-03	hypothetical protein
Smp_143810	-1.97	3.17E-15	hypothetical protein
Smp_152960	-1.97	4.06E-20	rab effector MyRIP
Smp_124250	-1.97	1.10E-32	high affinity cGMP specific 3'
Smp_128370	-1.97	1.09E-08	glutamate synthase
Smp_154170	-1.97	8.56E-03	hypothetical protein
Smp_142790	-1.96	4.18E-05	guanine nucleotide binding protein alpha
Smp_140500	-1.96	3.26E-09	Paramyosin (Allergen Blo t 11)
Smp_162360	-1.96	7.78E-03	myoglobin 1
Smp_154970	-1.95	8.19E-41	hypothetical protein
Smp_204230	-1.95	2.61E-12	hypothetical protein
Smp_123960	-1.94	1.63E-71	hypothetical protein
Smp_210510	-1.94	9.35E-59	BAI1 associated protein 3
Smp_125490	-1.94	1.17E-09	hypothetical protein
Smp_161270	-1.94	1.98E-04	hypothetical protein
Smp_190900	-1.94	3.74E-07	hypothetical protein
			peptidylglycine alpha hydroxylating mono-
Smp_145300	-1.94	1.44E-126	oxygenase_
Smp_167900	-1.93	8.10E-05	hypothetical protein
Smp_013210	-1.93	8.16E-03	inositol polyphosphate multikinase
Smp_138980	-1.93	3.50E-06	hypothetical protein
Smp_145920	-1.91	1.81E-27	protein tyrosine sulfotransferase
Smp_138140	-1.91	4.87E-06	homeobox protein MOX 2
Smp_045550	-1.91	1.32E-105	annexin
Smp_185340	-1.91	4.26E-06	hypothetical protein
Smp_187350	-1.91	5.41E-05	hypothetical protein
Smp_135070	-1.9	1.33E-04	hypothetical protein
Smp_119260	-1.89	1.41E-08	hypothetical protein
Smp_001070	-1.89	6.32E-13	G protein coupled receptor fragment
Smp_033130	-1.89	3.23E-36	hypothetical protein
Smp_196950	-1.87	1.32E-03	one cut domain family member
Smp_155320	-1.87	1.84E-21	hypothetical protein
Smp_070020	-1.87	8.60E-46	rhopty associated membrane antigen
Smp_212410	-1.87	2.11E-25	hyperpolarization activated cyclic
Smp_132220	-1.87	2.10E-03	G protein coupled receptor fragment
Smp_124610	-1.87	1.19E-74	hypothetical protein
Smp_041700	-1.86	1.38E-16	G protein coupled receptor fragment
Smp_198900	-1.86	6.65E-08	hypothetical protein
Smp_007270	-1.86	1.24E-78	smoothelin
Smp_170150	-1.86	3.75E-35	hypothetical protein
Smp_170780	-1.85	9.47E-09	hypothetical protein
Smp_140020	-1.84	2.12E-48	hypothetical protein
Smp_194300	-1.84	4.20E-03	hypothetical protein

Smp_153170	-1.84	2.57E-62 striated muscle specific
Smp_123920	-1.83	1.24E-21 hypothetical protein
Smp_136760	-1.83	4.33E-67 hypothetical protein
Smp_025380	-1.83	8.38E-23 16 kda calcium binding protein
Smp_011220	-1.82	6.30E-11 glucosamine fructose 6 phosphate
Smp_017710	-1.82	3.32E-102 Rab11 family interacting protein 3 or 4
Smp_133830	-1.82	3.57E-35 hypothetical protein
Smp_155960	-1.82	1.83E-07 serine:threonine protein kinase D1
Smp_004730	-1.82	4.01E-40 high voltage-activated calcium channel
Smp_074460	-1.82	2.71E-27 tegument-allergen-like protein
Smp_018590	-1.81	1.31E-06 endothelial transcription factor GATA 2
Smp_143720	-1.81	2.34E-05 hypothetical protein
Smp_126900	-1.81	8.03E-08 voltage gated hydrogen channel 1
Smp_026230	-1.8	5.75E-156 hypothetical protein
Smp_070240	-1.8	8.23E-292 venom allergen-like (VAL) 7 protein
Smp_163520	-1.8	4.99E-27 hypothetical protein
Smp_167650	-1.8	1.59E-71 rho guanine nucleotide exchange factor 17
Smp_088920	-1.8	1.66E-56 serine:threonine protein kinase
Smp_162390	-1.79	6.95E-04 hypothetical protein
Smp_161000	-1.79	1.97E-05 histone lysine
Smp_161800	-1.79	1.94E-10 protein polyglycylase TTL10
Smp_023710	-1.79	3.68E-03 G protein coupled receptor fragment
Smp_134550	-1.79	9.02E-28 hypothetical protein
Smp_150950	-1.78	1.77E-05 hypothetical protein
Smp_203190	-1.78	1.06E-35 hypothetical protein
Smp_161670	-1.78	5.75E-04 beige:beach protein
Smp_094930	-1.77	1.08E-03 early growth response protein 1
Smp_167750	-1.77	3.12E-71 fatty acid amide hydrolase 1 glycerophosphocholine phosphodiesterase
Smp_192920	-1.77	9.24E-22 GDE1
Smp_028860	-1.77	1.43E-04 hypothetical protein
Smp_020840	-1.77	2.45E-04 oxalate:formate antiporter
Smp_149630	-1.76	4.37E-34 nucleolar protein c7b
Smp_149560	-1.76	3.94E-03 hypothetical protein
Smp_002150	-1.76	2.31E-257 trypsin-like serine protease
Smp_166300	-1.76	1.99E-36 hypothetical protein
Smp_152540	-1.76	2.29E-14 muscarinic acetylcholine receptor
Smp_180870	-1.75	3.08E-05 carbonic anhydrase
Smp_021870	-1.75	4.92E-111 CCR4 NOT transcription complex subunit 7
Smp_055810	-1.75	7.69E-04 inositol 5 phosphatase
Smp_123000	-1.75	2.87E-29 ski oncogene
Smp_151920	-1.75	7.08E-05 paladin
Smp_199890	-1.74	7.31E-51 venom allergen-like (VAL) 7 protein
Smp_012010	-1.73	1.34E-20 forkhead box subgroup O
Smp_143310	-1.73	4.99E-17 hypothetical protein

Smp_129020	-1.73	3.25E-29	innexin unc 9
Smp_148870	-1.73	1.34E-32	hypothetical protein
Smp_048040	-1.72	1.54E-03	vesicular glutamate transporter 2
Smp_000820	-1.72	3.14E-48	hypothetical protein
Smp_158980	-1.71	1.40E-04	neuronal calcium sensor
Smp_161900	-1.71	2.93E-04	innexin unc 9
Smp_169200	-1.71	1.35E-07	tegument-allergen-like protein
Smp_165660	-1.71	9.71E-04	polycystic kidney disease 2 1 protein like
Smp_190050	-1.7	6.68E-04	rho guanine nucleotide exchange factor 17
Smp_140990	-1.7	6.85E-45	hypothetical protein
Smp_083770	-1.7	9.04E-06	anoctamin 7
Smp_026570	-1.7	2.53E-20	innexin
Smp_154410	-1.7	1.54E-03	alpha 1
Smp_170480	-1.7	3.92E-03	family M13 unassigned peptidase (M13
Smp_143270	-1.7	3.54E-31	hypothetical protein
Smp_163790	-1.7	3.42E-07	nuclear receptor 2DBD gamma
Smp_148080	-1.7	1.35E-58	hypothetical protein
Smp_040190	-1.7	1.19E-134	serine:threonine protein kinase SIK2
Smp_136920	-1.69	7.61E-18	polypeptide
Smp_056460	-1.69	3.18E-03	hypothetical protein
Smp_200520	-1.69	2.85E-09	hypothetical protein
Smp_134040	-1.69	9.27E-22	Ecdysone induced protein 74EF B
Smp_203950	-1.68	8.48E-42	retinol dehydrogenase 11
Smp_139400	-1.67	2.05E-24	tensin 1
Smp_075770	-1.67	1.12E-43	hypothetical protein
Smp_123260	-1.67	1.83E-59	AN1 type zinc finger and ubiquitin
Smp_043120	-1.66	3.56E-124	universal stress protein
Smp_212100	-1.65	9.26E-06	calcium dependent activator protein
Smp_129090	-1.64	9.23E-21	hypothetical protein
Smp_003760	-1.64	1.43E-08	hypothetical protein
Smp_212350	-1.64	6.23E-105	forkhead box protein P1
Smp_196250	-1.64	1.66E-40	supervillin
Smp_141310	-1.64	4.37E-11	neurexin 2 alpha
Smp_092020	-1.64	3.90E-30	cement protein 3B variant 2 potassium voltage gated channel protein
Smp_194710	-1.64	2.04E-28	Shaker
Smp_003270	-1.63	1.88E-43	tubulin specific chaperone cofactor E
Smp_201950	-1.62	5.60E-07	hypothetical protein
Smp_176450	-1.62	8.42E-03	ATP binding cassette sub family A
Smp_162230	-1.62	2.23E-36	microtubule associated protein tau
Smp_182620	-1.62	3.40E-111	carboxypeptidase N
Smp_161450	-1.61	1.33E-15	small conductance calcium activated hypoxanthine guanine
Smp_049850	-1.61	5.09E-08	phosphoribosyltransferase
Smp_129310	-1.6	5.00E-42	inositol polyphosphate multikinase

Smp_043030	-1.6	1.78E-175 hexokinase
Smp_143180	-1.59	1.48E-07 zinc finger protein
Smp_164010	-1.59	8.16E-21 serine:threonine protein phosphatase 6
Smp_202850	-1.58	2.09E-03 egg protein CP391S
Smp_201730	-1.58	3.00E-08 hypothetical protein
Smp_153200	-1.58	3.26E-08 rhodopsin orphan GPCR
Smp_106110	-1.58	1.73E-26 Kv channel interacting protein 4
Smp_041460	-1.58	4.05E-70 tetraspanin CD63 receptor
Smp_057860	-1.58	4.76E-31 hypothetical protein
Smp_129490	-1.57	4.16E-03 LIM:homeobox protein Lhx3
Smp_017230	-1.57	3.60E-55 nicotinamide phosphoribosyltransferase
Smp_094500	-1.57	2.29E-26 choline dehydrogenase
Smp_162910	-1.57	1.08E-45 related to multifunctional cyclin dependent zinc finger Ran binding domain containing
Smp_052350	-1.57	3.07E-96 protein
Smp_054170	-1.56	9.52E-60 hypothetical protein
Smp_151630	-1.56	4.24E-05 protocadherin alpha
Smp_180640	-1.55	1.87E-22 oligomeric Golgi complex component
Smp_194280	-1.54	3.51E-17 hypothetical protein
Smp_149170	-1.54	6.73E-08 Probable G protein coupled receptor B0563
Smp_135160	-1.54	5.37E-26 Dual specificity protein phosphatase 10
Smp_153290	-1.54	3.04E-56 cement protein 3B variant 3
Smp_138150	-1.54	4.30E-23 rho type gtpase activating protein
Smp_148100	-1.53	1.73E-19 hypothetical protein
Smp_198960	-1.53	1.27E-32 hypothetical protein
Smp_056700	-1.53	6.11E-05 membrane associated RING finger protein
Smp_070100	-1.53	1.10E-29 hypothetical protein
Smp_134670	-1.53	7.13E-171 ral gtpase activating
Smp_202290	-1.52	3.22E-05 hypothetical protein
Smp_160160	-1.52	7.11E-22 solute carrier family 17
Smp_177020	-1.52	1.42E-15 PhosphoLipase C Like family member (pll 1)
Smp_198980	-1.52	9.53E-35 ccr4 not transcription complex
Smp_085910	-1.52	7.07E-25 smad family member 2
Smp_059820	-1.51	4.88E-11 hypothetical protein
Smp_151840	-1.51	6.74E-05 hypothetical protein
Smp_039590	-1.51	7.27E-07 hypothetical protein
Smp_131160	-1.51	1.21E-12 hypothetical protein
Smp_131010	-1.51	1.30E-12 protocadherin gamma a10
Smp_136470	-1.51	1.13E-20 pleckstrin y domain containing family G
Smp_160880	-1.5	5.91E-57 phosphatidylcholine sterol acyltransferase
Smp_148580	-1.5	3.18E-21 supervillin
Smp_036760	-1.5	7.46E-14 hypothetical protein
Smp_170750	-1.5	2.72E-05 paired box protein pax 6
Smp_160960	-1.5	3.67E-07 asparagine rich protein
Smp_132270	-1.5	1.67E-32 poly(rC) binding protein 3

Smp_140130	-1.49	5.75E-17 tetraspanin CD63 receptor
Smp_029160	-1.49	7.72E-100 protein serac1
Smp_153210	-1.49	1.29E-23 rhodopsin orphan GPCR
Smp_137770	-1.49	1.80E-04 BAH domain and coiled coil containing 1
Smp_211310	-1.48	1.29E-20 soluble guanylate cyclase gcy
Smp_172570	-1.48	1.94E-34 Rho guanine nucleotide exchange factor 1
Smp_072210	-1.48	1.87E-22 zinc finger protein 395
Smp_151620	-1.48	1.99E-17 protocadherin 9
Smp_123050	-1.48	7.67E-23 Regulator of G protein signaling 20
Smp_050520	-1.48	2.43E-28 neurogenic locus notch protein
Smp_033930	-1.47	6.73E-03 phosphatidylcholine transfer protein
Smp_161530	-1.47	2.27E-45 myocyte specific enhancer factor 2a
Smp_159140	-1.47	2.19E-38 Solute carrier organic anion transporter
Smp_170760	-1.47	3.48E-50 bromodomain adjacent to zinc finger
Smp_153970	-1.47	8.91E-55 RILP protein
Smp_114470	-1.47	6.36E-05 liprin beta 1
Smp_158400	-1.47	1.06E-23 receptor type tyrosine protein phosphatase
Smp_180230	-1.47	6.07E-87 hypothetical protein
Smp_153700	-1.46	1.12E-101 hypothetical protein
Smp_177240	-1.46	5.59E-03 twinkle protein
Smp_063060	-1.46	1.75E-04 hypothetical protein
Smp_144450	-1.46	1.56E-22 apobec 1 complementation factor
Smp_132230	-1.46	5.93E-03 hypothetical protein
Smp_078230	-1.46	1.01E-31 cGMP dependent protein kinase
Smp_033200	-1.46	2.77E-05 hypothetical protein
Smp_172650	-1.46	1.22E-37 rho guanine nucleotide exchange factor
Smp_018440	-1.45	6.42E-12 hypothetical protein ankyrin repeat and MYND domain
Smp_160490	-1.45	3.10E-11 containing protein
Smp_150740	-1.45	2.66E-17 asparagine rich antigen
Smp_181630	-1.45	2.19E-03 hypothetical protein
Smp_156870	-1.45	1.41E-09 protein tyrosine phosphatase receptor type
Smp_089320	-1.44	1.29E-08 Cell wall integrity and stress response
Smp_191220	-1.44	7.95E-05 anion exchange protein 2
Smp_028840	-1.44	2.71E-18 hypothetical protein
Smp_016230	-1.44	3.13E-09 protocadherin 17
Smp_156890	-1.43	1.00E-12 hypothetical protein
Smp_123270	-1.43	1.43E-67 Sj Ts1
Smp_155340	-1.43	1.28E-15 frizzled receptor
Smp_062620	-1.43	1.13E-06 hypothetical protein
Smp_043650	-1.43	2.11E-41 hypothetical protein
Smp_173240	-1.43	1.20E-38 cement protein 3B variant 3
Smp_042990	-1.43	2.90E-51 protein FAM63B
Smp_134820	-1.43	4.18E-07 5 hydroxytryptamine receptor 1B
Smp_180630	-1.42	2.72E-26 oligomeric Golgi complex component

Smp_135290	-1.41	2.64E-13	macrophage expressed gene 1 protein
Smp_213740	-1.41	8.03E-18	hypothetical protein
Smp_128350	-1.41	7.04E-07	PR domain zinc finger protein 1 5' AMP activated protein kinase subunit
Smp_144700	-1.41	5.08E-49	gamma
Smp_039620	-1.41	3.05E-16	lysosome associated membrane
Smp_202420	-1.41	1.39E-03	egg protein CP391S
Smp_087580	-1.4	1.06E-98	programmed cell death 6 interacting
Smp_073270	-1.4	5.89E-91	neuroendocrine protein 7b2
Smp_132470	-1.39	5.59E-41	Cathepsin D-like protease 3
Smp_177310	-1.39	2.14E-05	hypothetical protein
Smp_176920	-1.39	2.40E-13	neuronal RhoA GEF protein
Smp_155410	-1.39	2.71E-14	Coiled coil domain containing protein 102A
Smp_088360	-1.39	1.49E-03	neuropeptide F prepropeptide
Smp_204260	-1.39	1.98E-10	hypothetical protein
Smp_073890	-1.38	9.40E-07	Ankyrin repeat and fibronectin type III
Smp_129220	-1.38	5.68E-15	hypothetical protein
Smp_136660	-1.38	1.42E-21	pro neuregulin 2 membrane bound
Smp_091460	-1.38	3.18E-136	glutamine synthetase
Smp_161430	-1.38	1.87E-72	Monocarboxylate transporter 12
Smp_159860	-1.38	4.94E-06	dopamine receptor I
Smp_149580	-1.38	7.45E-05	fmrfaamide receptor
Smp_163900	-1.38	1.68E-04	dopamine beta hydroxylase
Smp_130530	-1.38	1.52E-28	hypothetical protein
Smp_047870	-1.38	8.68E-51	LIM domain kinase 1
Smp_090430	-1.38	5.36E-03	potassium voltage gated channel subfamily
Smp_214230	-1.38	1.58E-09	sodium dependent serotonin transporter
Smp_213010	-1.37	7.31E-08	phosphopantothenate cysteine ligase
Smp_129400	-1.37	4.96E-03	Vacuolar protein sorting associated protein
Smp_153580	-1.37	1.24E-03	hypothetical protein
Smp_051760	-1.37	2.82E-05	hypothetical protein
Smp_052660	-1.37	4.25E-06	metabotropic glutamate receptor 3
Smp_157530	-1.37	7.30E-08	hypothetical protein
Smp_137150	-1.37	1.90E-04	beta mannosidase
Smp_168140	-1.36	1.56E-05	hypothetical protein
Smp_149310	-1.36	2.52E-03	lipoygenase y domain containing protein
Smp_158990	-1.36	5.40E-06	neuronal calcium sensor
Smp_079260	-1.36	4.23E-03	LIM:homeobox protein Lhx2
Smp_192780	-1.35	5.87E-03	hypothetical protein
Smp_169500	-1.35	2.13E-04	homeobox containing protein
Smp_174030	-1.35	6.10E-09	hypothetical protein
Smp_165940	-1.35	1.07E-03	dbl
Smp_155270	-1.35	2.05E-20	HMG-CoA synthase
Smp_035120	-1.35	4.98E-03	ankyrin 2
Smp_171610	-1.35	3.70E-16	dual specificity serine:threonine tyrosine

Smp_175060	-1.34	1.66E-05	hypothetical protein
Smp_034300	-1.34	5.57E-07	transcription factor ETV6 Tubulin polymerization-promoting protein
Smp_212780	-1.34	3.82E-23	(TPPP)
Smp_150300	-1.34	3.16E-24	MAP kinase activating death domain
Smp_131320	-1.33	4.29E-04	myst histone acetyltransferase
Smp_002920	-1.32	3.19E-18	TLC domain containing protein 2
Smp_148180	-1.32	2.37E-03	hypothetical protein
Smp_120070	-1.32	6.29E-04	retinol dehydrogenase 11
Smp_186990	-1.32	2.76E-03	abl kinase 1
Smp_126140	-1.31	1.05E-29	integrin alpha 5
Smp_073800	-1.31	1.24E-31	recQ mediated genome instability protein 1
Smp_212310	-1.3	1.21E-32	hypothetical protein
Smp_157520	-1.3	1.64E-29	zinc finger protein zas; shn zinc finger
Smp_148210	-1.3	1.33E-07	biogenic amine (5HT) receptor
Smp_144290	-1.3	2.23E-13	hypothetical protein
Smp_109340	-1.3	6.48E-07	hypothetical protein
Smp_212720	-1.3	3.29E-04	methylmalonyl CoA epimerase
Smp_147800	-1.3	9.73E-15	Lmp3 protein
Smp_157050	-1.29	2.76E-05	rhodopsin orphan GPCR
Smp_212750	-1.29	5.67E-04	smad
Smp_179350	-1.29	5.95E-18	hypothetical protein
Smp_213430	-1.29	3.47E-07	hypothetical protein
Smp_201720	-1.29	2.36E-06	tetraspanin D76
Smp_183020	-1.29	1.54E-12	hypothetical protein
Smp_133030	-1.29	2.83E-04	hypothetical protein
Smp_163550	-1.29	1.81E-09	hypothetical protein
Smp_001000	-1.28	9.37E-29	universal stress protein
Smp_160780	-1.28	9.02E-17	potassium voltage gated channel protein tyrosine protein phosphatase non receptor
Smp_144810	-1.28	1.06E-23	type
Smp_167190	-1.28	1.29E-24	fibrillin 1
Smp_143440	-1.28	2.07E-15	hypothetical protein
Smp_179590	-1.28	5.68E-42	dual 3'
Smp_124210	-1.27	1.78E-03	ephrin type A receptor 4 A
Smp_154850	-1.27	2.18E-20	GTPase activating Rap:Ran GAP domain
Smp_068500	-1.27	2.78E-27	hypothetical protein
Smp_102430	-1.27	5.65E-07	alpha 1
Smp_150030	-1.27	2.81E-07	hypothetical protein
Smp_143370	-1.27	1.06E-19	protein phosphatase 1 regulatory subunit
Smp_151420	-1.27	3.41E-27	phospholipase D
Smp_206030	-1.27	5.51E-04	retinal specific ATP binding cassette
Smp_127450	-1.27	1.38E-22	hypothetical protein
Smp_168130	-1.26	1.12E-17	phosphatase and actin regulator 1
Smp_150520	-1.26	1.51E-13	high affinity choline transporter 1

Smp_163630	-1.26	5.49E-25	developmentally regulated antigen 10_
Smp_132280	-1.26	2.00E-07	complement component C8 beta
Smp_084010	-1.26	1.40E-19	hypothetical protein
Smp_190970	-1.25	2.10E-17	phosphatidylcholine transfer protein
Smp_176540	-1.25	1.06E-16	protocadherin 18
Smp_023470	-1.25	9.47E-03	kynureninase
Smp_155080	-1.25	1.70E-26	hypothetical protein
Smp_149080	-1.25	2.05E-28	protein FAM160A1
Smp_131190	-1.25	2.66E-20	eye specific diacylglycerol kinase
Smp_073950	-1.24	6.58E-37	Zinc finger HIT domain containing protein 3
Smp_039820	-1.24	5.83E-92	cysteine protease atg4b
Smp_074710	-1.24	7.82E-04	Def8 protein
Smp_076030	-1.24	7.29E-11	tob protein; protein tob btg
Smp_077000	-1.24	6.96E-06	hypothetical protein
Smp_196370	-1.24	3.64E-10	potassium voltage gated channel subfamily
Smp_176750	-1.24	1.28E-21	AP2 associated protein kinase 1
Smp_046360	-1.24	5.85E-23	Zinc finger protein 143
Smp_176730	-1.23	2.53E-03	Cys loop ligand gated ion channel subunit
Smp_124050	-1.23	4.11E-17	venom allergen-like (VAL) 6 protein
Smp_062760	-1.23	1.16E-09	regulator of G protein signaling 3 protein tag d; protein tag c; minor
Smp_142880	-1.23	1.71E-14	histocompatibility protein ha
Smp_203580	-1.23	1.00E-23	hypothetical protein ubiquitin associated and SH3 domain
Smp_151720	-1.23	1.05E-42	containing protein
Smp_136370	-1.23	9.17E-05	hypothetical protein
Smp_158170	-1.23	1.00E-06	hypothetical protein
Smp_070640	-1.23	2.47E-28	unc 112 protein
Smp_153500	-1.23	1.73E-71	guanylate cyclase
Smp_135020	-1.23	7.40E-08	oxalate:formate antiporter
Smp_039130	-1.23	5.71E-91	Niemann Pick C1 protein
Smp_150490	-1.23	4.98E-22	hypothetical protein
Smp_015760	-1.23	2.15E-03	hypothetical protein
Smp_029670	-1.23	7.75E-31	hypothetical protein
Smp_147010	-1.22	1.68E-40	zinc finger protein 425
Smp_145370	-1.22	6.36E-20	hypothetical protein
Smp_172640	-1.22	5.26E-04	guanine nucleotide binding protein G(s)
Smp_130590	-1.22	6.49E-30	E3 ubiquitin protein ligase MYLIP
Smp_082300	-1.22	1.10E-14	hypothetical protein
Smp_204880	-1.22	9.28E-12	hypothetical protein
Smp_124090	-1.21	2.48E-04	B cell lymphoma:leukemia
Smp_041760	-1.21	1.84E-42	chromodomain helicase DNA binding
Smp_143800	-1.21	4.15E-15	sodium:chloride dependent
Smp_135530	-1.21	1.33E-19	leishmanolysin peptidase
Smp_074830	-1.21	6.07E-06	tubulin polyglutamylase ttl6

Smp_138880	-1.21	2.39E-42	RNA binding protein fox 1 1
Smp_148500	-1.21	2.17E-11	hypothetical protein
Smp_157920	-1.21	7.57E-24	SAC domain containing protein 3
Smp_018790	-1.21	8.09E-50	hypothetical protein
Smp_146970	-1.21	5.18E-32	PCTP protein like
Smp_155240	-1.21	2.95E-17	tubulin tyrosine ligase family
Smp_128380	-1.2	1.31E-79	glutamate synthase
Smp_059570	-1.2	4.29E-09	hypothetical protein
Smp_051660	-1.2	1.06E-17	hypothetical protein
Smp_131080	-1.2	1.79E-09	hypothetical protein
Smp_046790	-1.2	3.91E-33	solute carrier family 2 facilitated glucose
Smp_140000	-1.2	2.51E-29	tetraspanin CD63 receptor Glutamate-gated chloride channel subunit
Smp_015630	-1.2	5.89E-16	2 isoform 1
Smp_170140	-1.2	8.73E-05	hypothetical protein
Smp_149750	-1.2	8.63E-06	hypothetical protein
Smp_126510	-1.2	4.38E-12	hypothetical protein neuropeptide receptor type; neuropeptide
Smp_133550	-1.19	7.58E-06	ff receptor
Smp_136930	-1.19	1.02E-19	hypothetical protein
Smp_151580	-1.19	2.76E-08	pdz domain containing protein
Smp_129550	-1.19	1.76E-29	hypothetical protein
Smp_176250	-1.19	2.83E-04	hypothetical protein
Smp_025750	-1.19	2.78E-21	hypothetical protein
Smp_044750	-1.19	2.93E-36	marvel containing potential lipid
Smp_123810	-1.19	4.33E-04	interferon regulatory factor 2 binding
Smp_161180	-1.18	2.76E-04	hypothetical protein sodium potassium transporting ATPase
Smp_015020	-1.18	9.03E-32	alpha subunit
Smp_141740	-1.18	2.35E-08	protocadherin 11
Smp_148200	-1.18	1.14E-06	junctophilin 2
Smp_145080	-1.18	2.33E-20	hypothetical protein
Smp_212160	-1.18	5.90E-10	hypothetical protein
Smp_175030	-1.18	5.43E-04	hypothetical protein
Smp_158880	-1.18	5.91E-06	hypothetical protein
Smp_161640	-1.18	9.34E-03	transient receptor potential cation channel tubulin polymerization promoting protein
Smp_097490	-1.17	1.51E-08	family
Smp_126500	-1.17	2.94E-28	tensin C1 domain containing phosphatase
Smp_117800	-1.17	7.72E-04	hypothetical protein
Smp_015780	-1.17	3.11E-21	ATPase N2B
Smp_150480	-1.17	8.22E-38	RNA binding motif single stranded
Smp_167700	-1.17	9.87E-23	hypothetical protein
Smp_179030	-1.17	2.22E-03	hypothetical protein
Smp_021340	-1.16	7.48E-31	max dimerization protein 3

		cell transcription factor short terminal; cell
Smp_125630	-1.16	2.34E-21 transcription factor long terminal
Smp_072720	-1.16	3.09E-45 AN1 type zinc finger protein 6
Smp_169870	-1.16	5.29E-18 cystinosin
Smp_169700	-1.16	2.50E-25 lim domain and actin binding 1
Smp_148110	-1.15	3.93E-31 transcription factor SOX 14
Smp_129330	-1.15	1.07E-05 Acetyl-CoA acetyltransferase
Smp_164730	-1.15	2.05E-09 rhodopsin orphan GPCR
Smp_137990	-1.15	1.70E-03 complexin
Smp_214070	-1.15	2.44E-18 NA
Smp_164240	-1.15	1.51E-11 junctophilin 2
Smp_181370	-1.15	7.69E-13 hypothetical protein
Smp_125070	-1.15	9.79E-18 cystathionine beta synthase
Smp_134140	-1.15	1.23E-19 cAMP specific 3'
Smp_212550	-1.15	4.66E-12 calcium dependent secretion
Smp_067490	-1.15	1.52E-27 programmed cell death protein
Smp_123010	-1.14	9.50E-26 high affinity cationic amino acid transporter
Smp_172580	-1.14	4.77E-22 docking protein 3
Smp_181080	-1.14	1.12E-10 hypothetical protein
Smp_202260	-1.14	2.81E-14 hypothetical protein
Smp_127690	-1.14	1.65E-15 hypothetical protein
Smp_205410	-1.14	7.50E-05 hypothetical protein
Smp_140610	-1.14	1.08E-30 iron:zinc purple acid phosphatase protein
Smp_175050	-1.14	7.56E-05 Fibronectin type III domain containing
Smp_044560	-1.14	5.52E-22 hypothetical protein
Smp_139330	-1.14	2.70E-20 nicotinic acetylcholine receptor non alpha
Smp_105090	-1.13	7.41E-29 Tr4/Tr2 (homologue)
Smp_164270	-1.13	5.14E-21 Down syndrome cell adhesion molecule
Smp_140920	-1.13	4.85E-06 Glutamate receptor
Smp_159790	-1.13	3.00E-16 kinesin family A
Smp_015100	-1.13	9.47E-08 hypothetical protein
Smp_101630	-1.13	1.70E-19 segment polarity protein dishevelled
Smp_149280	-1.13	1.55E-09 kinase D interacting substrate of 220 kDa
Smp_189290	-1.13	9.59E-07 hypothetical protein
Smp_127380	-1.12	1.43E-39 trafficking kinesin binding protein 1
Smp_042770	-1.12	6.33E-17 TBC1 domain family 0
Smp_069720	-1.12	5.51E-03 cadherin
Smp_173760	-1.12	1.46E-10 hypothetical protein
Smp_128760	-1.12	1.62E-10 hypothetical protein
Smp_129480	-1.12	5.52E-03 LIM:homeobox protein Lhx1
Smp_188580	-1.12	6.66E-10 hypothetical protein
Smp_213980	-1.12	1.52E-45 hypothetical protein
Smp_085380	-1.12	1.21E-52 kelch ECH associated protein 1 like
Smp_168650	-1.12	9.35E-05 microtubule actin cross linking factor 1
Smp_149850	-1.11	9.50E-08 hypothetical protein

Smp_177600	-1.11	1.74E-08	hypothetical protein
Smp_132200	-1.11	8.48E-21	leucine rich repeat protein soc 2
Smp_184780	-1.11	8.91E-41	hypothetical protein protein tyrosine phosphatase domain
Smp_181440	-1.11	3.56E-07	containing protein
Smp_163750	-1.11	1.94E-19	otoferlin
Smp_000650	-1.11	1.24E-25	E3 ubiquitin-protein ligase sina
Smp_046930	-1.11	8.73E-27	O glycosyltransferase
Smp_057130	-1.11	3.80E-45	adiponectin receptor protein 2
Smp_176670	-1.1	1.40E-12	histone H2A
Smp_127860	-1.1	3.93E-03	fmrfamide receptor
Smp_038410	-1.1	1.14E-04	protein sys1
Smp_128230	-1.1	1.73E-37	neurogenic locus notch protein
Smp_142740	-1.1	3.91E-10	hypothetical protein
Smp_081190	-1.1	2.57E-13	GTP binding protein rhoA
Smp_103140	-1.1	2.08E-17	alpha tubulin
Smp_128530	-1.1	4.70E-06	hypothetical protein
Smp_136480	-1.1	3.95E-06	CCAAT box DNA binding protein subunit B
Smp_127140	-1.1	3.87E-16	cell wall protein awa1p subfamily S9B unassigned peptidase (S09 family)
Smp_057530	-1.1	4.90E-19	family)
Smp_072450	-1.09	8.86E-06	rhodopsin orphan GPCR
Smp_208050	-1.09	1.43E-15	histidine triad nucleotide binding protein
Smp_131980	-1.09	3.12E-04	putative tachykinin-like receptor
Smp_124530	-1.09	2.32E-06	voltage dependent calcium channel subunit 5' AMP activated protein kinase subunit
Smp_127420	-1.09	8.43E-13	gamma
Smp_141100	-1.09	8.48E-17	xenotropic and polytropic retrovirus
Smp_175780	-1.09	5.50E-35	protein fem 1 C
Smp_090080	-1.09	6.32E-25	Estrogen regulated protein EP45
Smp_139220	-1.09	4.47E-20	hypothetical protein
Smp_159710	-1.09	2.39E-07	carbonic anhydrase
Smp_133370	-1.09	1.01E-09	tetratricopeptide repeat protein 39B
Smp_177190	-1.09	4.65E-13	protein regulator of cytokinesis 1
Smp_003900	-1.08	1.30E-04	T box transcription factor TBX20
Smp_075000	-1.08	9.29E-11	E3 ubiquitin protein ligase HERC5
Smp_181230	-1.08	6.28E-05	phospholipid transporting atpase
Smp_162830	-1.08	1.08E-03	hypothetical protein
Smp_202610	-1.08	5.62E-07	hypothetical protein
Smp_149910	-1.08	9.75E-18	lar interacting protein (lip) protein
Smp_169130	-1.08	9.54E-03	myeloid:lymphoid or mixed lineage
Smp_170120	-1.08	1.29E-03	fos transcription factor
Smp_142710	-1.08	2.24E-28	serine:threonine protein kinase SMG1
Smp_181250	-1.08	9.70E-03	Down syndrome cell adhesion molecule
Smp_149240	-1.08	1.59E-11	chromobox protein 2

Smp_150170	-1.08	4.81E-27	Ras associated and pleckstrin y
Smp_213190	-1.07	2.90E-62	negative elongation factor A isoform 2
Smp_152260	-1.07	3.88E-08	protein FAM179B
Smp_028690	-1.07	1.77E-32	sodium/chloride dependent transporter
Smp_124910	-1.07	8.57E-17	protein stoned B
Smp_178730	-1.07	2.31E-05	rap guanine nucleotide exchange factor 6 multiple C2 and transmembrane domain
Smp_130930	-1.07	2.91E-05	containing protein
Smp_125870	-1.06	1.43E-18	armadillo repeat containing protein 8
Smp_052990	-1.06	1.12E-06	globin X
Smp_180950	-1.06	1.98E-10	band 3 anion transport protein
Smp_176820	-1.06	2.44E-11	hypothetical protein
Smp_047650	-1.05	3.88E-59	Ferritin-2 heavy chain
Smp_131260	-1.05	4.96E-04	pangolin
Smp_134000	-1.05	2.78E-05	junction plakoglobin
Smp_174150	-1.05	2.02E-13	myeloid ecotropic viral integration site 1
Smp_153710	-1.05	8.75E-06	mutS protein 5
Smp_141490	-1.05	1.00E-11	hypothetical protein
Smp_196990	-1.05	5.45E-08	protocadherin 11
Smp_176090	-1.05	6.29E-07	f box:lrr repeat protein 4
Smp_173210	-1.05	2.04E-23	oocyte zinc finger protein XICOF6
Smp_156210	-1.05	6.50E-05	serotonin receptor partial
Smp_091820	-1.05	2.55E-29	bestrophin 3
Smp_167010	-1.04	4.73E-28	talin 2
Smp_124500	-1.04	1.56E-18	a disintegrin and metalloproteinase with
Smp_089930	-1.04	4.80E-23	serine:threonine protein phosphatase 2A
Smp_010550	-1.04	1.30E-109	MEG 15
Smp_134910	-1.04	1.71E-14	serine:threonine protein kinase
Smp_080740	-1.04	1.88E-03	translation initiation factor
Smp_008850	-1.04	4.00E-05	fmrfaide receptor
Smp_041280	-1.04	9.69E-11	CUGBP Elav family
Smp_241480	-1.04	2.61E-05	hypothetical protein
Smp_174170	-1.04	3.86E-03	homeobox protein Meis1
Smp_124000	-1.04	2.08E-25	MEG-14
Smp_002820	-1.04	7.88E-07	zinc finger CCCH domain containing protein
Smp_197620	-1.04	8.98E-30	hypothetical protein
Smp_163360	-1.04	6.45E-03	dystrophin
Smp_014730	-1.04	5.25E-06	hypothetical protein
Smp_043580	-1.04	2.62E-14	histone lysine N methyltransferase SETMAR
Smp_130070	-1.04	1.41E-16	nephrin
Smp_163010	-1.04	3.49E-04	hypothetical protein
Smp_052250	-1.04	5.24E-16	Ras associated and pleckstrin y hox class homeodomain protein djabd bb; hox class homeodomain protein djabd ba;
Smp_202120	-1.04	7.13E-03	hox class homeodomain containing protein

Smp_043670	-1.04	5.90E-77	ATP-dependent 6-phosphofructokinase
Smp_029990	-1.04	3.93E-18	dedicator of cytokinesis protein
Smp_042160	-1.04	9.14E-122	fructose-bisphosphate aldolase BAH and coiled coil domain containing
Smp_137760	-1.03	3.07E-05	protein 1
Smp_045500	-1.03	7.38E-15	annexin
Smp_142980	-1.03	2.27E-29	palmitoyl protein thioesterase
Smp_170020	-1.03	2.42E-06	tachykinin receptor protein like
Smp_205990	-1.03	9.69E-05	membrane associated guanylate kinase
Smp_001520	-1.03	1.10E-05	hypothetical protein
Smp_126760	-1.03	7.60E-18	Proteasome activator complex subunit 4
Smp_051920	-1.03	5.68E-18	nanos 2
Smp_212090	-1.03	1.24E-07	calcium dependent activator protein
Smp_162080	-1.03	2.54E-28	MLX interacting protein
Smp_213880	-1.03	2.74E-37	putative zinc finger protein
Smp_144760	-1.02	4.46E-21	monocarboxylate transporter
Smp_205910	-1.02	2.28E-04	hypothetical protein
Smp_024860	-1.02	7.89E-05	Basic helix loop helix transcription factor
Smp_194780	-1.02	2.40E-03	neurotracting:lsamp:neurotrimin:obcam
Smp_158870	-1.02	1.16E-06	protocadherin 11
Smp_150940	-1.02	1.14E-13	zinc finger protein 608
Smp_149600	-1.02	5.39E-03	gamma aminobutyric acid receptor subunit
Smp_150650	-1.02	1.46E-10	hypothetical protein
Smp_034080	-1.02	1.88E-07	erythrocyte membrane protein
Smp_136030	-1.02	1.02E-06	anion exchange protein
Smp_161120	-1.02	1.82E-20	metastasis suppressor protein 1
Smp_160730	-1.02	2.86E-06	zinc finger protein
Smp_138350	-1.02	3.08E-06	zinc finger protein basonuclin 2
Smp_055100	-1.01	1.71E-08	hypothetical protein
Smp_032280	-1.01	4.01E-06	RNA binding protein MEX3B
Smp_149420	-1.01	2.66E-36	held out wings
Smp_170670	-1.01	2.53E-09	hypothetical protein
Smp_161080	-1.01	2.22E-23	ran binding protein 9
Smp_165390	-1.01	5.46E-05	ccaat box dna binding protein subunit
Smp_110040	-1.01	1.01E-42	hypothetical protein
Smp_124940	-1.01	8.93E-10	adrenodoxin protein
Smp_113200	-1.01	3.04E-11	hypothetical protein
Smp_203560	-1.01	9.19E-04	hypothetical protein
Smp_146060	-1.01	5.30E-29	Ral GTPase activating protein subunit alpha
Smp_204760	-1.01	7.27E-04	Asparagine rich protein (Ag319) (ARP)
Smp_075280	-1.01	6.88E-38	hypothetical protein
Smp_141070	-1.01	4.60E-05	glutamate receptor interacting protein 1
Smp_212430	-1.01	5.37E-03	nuclear hormone receptor
Smp_180740	-1.01	1.81E-36	zinc finger FYVE domain containing protein
Smp_130200	-1.01	2.22E-06	FTZ F1 nuclear receptor protein

Smp_148830	-1.01	3.53E-47	hypothetical protein
Smp_190390	-1	2.49E-36	hypothetical protein
Smp_113780	-1	9.15E-03	hypothetical protein
Smp_129360	-1	6.16E-22	cyclin G2
Smp_008860	-1	1.40E-13	phospholipid scramblase 1