Appendix 2. GENE EXPRESSION ALTERED IN RABBIT TG HARBORING LATENT HSV-1

Genes whose expression was significantly ($p \leq 0.05$) altered by HSV latency. Mean log2 difference is the level of gene expression in latent trigeminal ganglia compared to naïve trigeminal ganglia. The p-value represents the level of significance in treatment means, hit definition the name of the most homologous gene and E-value the level of confidence that the matched name is incorrect.

Probe name	p-value	Mean log2 difference	Hit definition	E-value
UF_Oc_r_30561	0.000	-1.05	SHC transforming protein 2	0.002
UF_Oc_r_30297	0.000	-0.72	Myl9	0.000
UF_Oc_r_30749	0.000	0.9	Human BAC clone RP11	0.000
UF_Oc_n_41115	0.000	-0.9	Integrin, Beta 8	0.000
UF_Oc_r_30531	0.000	-0.79	Cathepsin B	0.000
UF_Oc_r_30009	0.000	-0.70	Apolipoprotein	0.000
UF_Oc_c_40086	0.000	-0.38	NADH Dehydrogenase	0.000
UF_Oc_m_40739	0.000	-0.78	Human cDNA clone	0.000
UF_Oc_c_40409	0.000	-0.5	NADH Dehydrogenase 1 Alpha Subcomplex 4	0.000
UF_Oc_m_40855	0.000	-0.7	Yes-associated protein 1	0.000
UF_Oc_r_30051	0.000	1.04	Acid Phosphatase 6	0.000
UF_Oc_n_41454	0.000	-1.22	Tissue Inhibitor Of Metalloproteinase 3	0.000
UF_Oc_r_30066	0.000	-0.66	Human clone	0.000
UF_Oc_c_40419	0.001	-1.24	Lumican	0.000
UF_Oc_r_30057	0.001	-0.73	Matrix Metalloproteinase 2	0.000
UF_Oc_c_41003	0.001	-1.22	Lumican	0.000
UF_Oc_c_40645	0.001	-0.8	Human clone	0.000
UF_Oc_c_40911	0.001	-0.24	KIAA1228	0.000
UF_Oc_c_40001	0.001	0.76	Proliferation Associated Gene	0.000
UF_Oc_r_30690	0.001	-1.58	Melanotransferrin	0.580
UF_Oc_r_30235	0.001	-1.51	Collagen, Type VIII, Alpha 1	0.000
UF_Oc_c_40392	0.001	-1.09	Anterior Gradient 2 Homolog	0.000
UF_Oc_r_30295	0.001	-0.78	Fatty Acid Desaturase 3	0.000
UF_Oc_m_30894	0.001	-0.66	Fatty Acid Desaturase 3	0.000
UF_Oc_m_30167	0.001	-0.21	Constitutive Photomorphogenic Homolog Subunit 5	0.000
UF_Oc_m_40336	0.001	0.33	Ribosomal Protein S27	0.000
UF_Oc_c_40804	0.001	0.45	Human BAC Clone	0.000
UF_Oc_c_40013	0.001	1.17	Cathepsin K	0.000
UF_Oc_n_41187	0.001	-0.7	S100 Calcium-binding Protein A10	0.000

Table S.1

Probe name	p-value	Mean log2 difference	Hit definition	E-value
UF_Oc_r_30457	0.001	0.41	Interleukin 11 Receptor, Alpha	0.000
UF_Oc_n_41550	-0.59	-0.59	FK506-binding Protein	0.000
UF_Oc_r_30668	0.001	0.42	anchor protein 1	0.000
UF_Oc_c_40113	0.001	0.7	Signal Recognition Particle	0.000
UF_Oc_r_31131	0.001	0.89	Human clone:RP11-708L7	0.000
UF_Oc_c_40492	0.001	-0.66	Thymosin-like 8	0.000
UF_Oc_n_41133	0.001	-0.62	Sodium Channel, Voltage-gated, Type IX, Alpha	0.000
UF_Oc_r_30848	0.001	-0.58	Adenylylcyclase type V	0.165
UF_Oc_r_30340	0.001	-0.26	Phosphodiesterase 6B	0.000
UF_Oc_c_40190	0.001	3.83	Immunoglobulin Joining Chain	0.000
UF_Oc_n_31506	0.001	-0.71	Potassium Voltage-gated Channel, Shab-related Subfamily, Member 2	0.000
UF_Oc_c_40150	0.001	-0.54	Glutathione S-transferase, Mu 5	0.000
UF_Oc_n_41316	0.001	-0.79	WD Repeat Domain 1	0.000
UF_Oc_r_30310	0.001	-0.54	Lysyl Oxidase-like 1	0.000
UF_Oc_r_30126	0.001	1.52	Potassium Inwardly-rectifying Channel, Subfamily J, Member 13	0.000
UF_Mm_31438	0.001	-1.63	Open Reading Frame	0.000
UF_Oc_r_30259	0.001	-0.71	Mitogen-activated Protein Kinase 8 Interacting Protein 1	0.000
UF_Oc_n_41166	0.002	-1.14	Calpain, Small Subunit 1	0.000
UF_Oc_c_40264	0.002	-0.63	Myosin, Light Peptide 6	0.000
UF_Oc_c_40266	0.002	-0.58	LOC459366	0.000
UF_Oc_r_30601	0.002	-0.42	Unnamed protein	0.000
UF_Mm_31175	0.002	0.55	Dishevelled Associated Activator Of Morphogenesis 1	0.000
UF_Oc_r_30194	0.002	-1.49	Tubulin, Beta 2	0.000
UF_Oc_r_30577	0.002	-0.43	homocysteine-inducible, endoplasmic reticulum stress-inducible, ubiquitin-like domain member 1	0.000
UF_Oc_r_30076	0.002	0.46	Hypothetical Protein	0.000
UF_Oc_r_30560	0.002	-0.26	recoverin	0.002
UF_Oc_c_40160	0.002	0.48	HNRPC	0.000
UF_Oc_r_31018	0.002	0.52	Human clone	0.000
UF_Oc_c_40012	0.002	0.66	Ubiquitin-like 2 Activating Enzyme E1B	0.000
UF_Oc_c_40586	0.002	-1.17	Human clone	0.000
UF_Oc_c_40133	0.002	-0.6	Open Reading Frame	0.000
UF_Oc_c_40394	0.002	-0.28	NCK-associated Protein 1	0.000

Table S.2

Probe name	p-value	Mean log2 difference	Hit definition	E-value
UF_Oc_r_30803	0.002	0.29	Hypothetical protein	0.082
UF_Mm_31414	0.002	0.72	RIKEN CDNA 1810010N17	0.000
UF_Oc_m_30407	0.002	-0.27	Eukaryotic Translation Initiation Factor 4 Gamma, 2	0.000
UF_Oc_r_30920	0.002	0.28	Human BAC clone	0.000
UF_Oc_r_31122	0.002	-1.42	Human BAC clone	0.000
UF_Oc_r_30339	0.002	-0.99	LAG1 Longevity Assurance Homolog 4	0.000
UF_Oc_n_31476	0.002	-0.92	Myosin VB	0.000
UF_Oc_r_30705	0.002	-0.37	Claudin 2	0.000
UF_Mm_31435	0.002	0.65	Splicing Factor	0.000
UF_Oc_r_30499	0.003	-0.76	Alpha-adaptin C	0.000
UF_Oc_c_40894	0.003	-0.41	Macaca fascicularis clone	0.000
UF_Oc_c_40827	0.003	-0.8	AZU1 protein	3.590
UF_Oc_r_30819	0.003	-0.42	Human clone	0.000
UF_Oc_r_30883	0.003	0.64	Zinc transporter ZIP1	0.000
UF_Oc_r_30917	0.003	0.71	Fibrillarin	2.313
UF_Oc_r_30081	0.003	0.72	Nucleoporin	0.000
UF_Oc_r_30495	0.003	-0.51	Threonyl-tRNA Synthetase-like 2	0.000
UF_Oc_c_40102	0.003	0.45	DNA Primase Small Subunit	0.000
UF_Oc_c_40323	0.003	1.53	MHC Complex, Class II, DQ Alpha 1	0.000
UF_Oc_r_30731	0.003	-0.87	Human cDNA Clone	0.000
UF_Oc_n_41543	0.003	-0.72	ATPase, Na+/K+ Transporting, Beta 2 Polypeptide	0.000
UF_Mm_31305	0.003	0.61	Ribosomal Protein L13	0.000
UF_Oc_r_30750	0.003	-0.33	Hypothetical protein	0.056
UF_Oc_r_30152	0.003	-0.53	Chaperonin Containing TCP1, Subunit 3	0.000
UF_Oc_r_30378	0.003	0.4	CDC26 Subunit Of Anaphase Promoting Complex	0.000
UF_Oc_r_30633	0.003	0.24	Human cDNA clone	0.000
UF_Oc_r_30382	0.003	0.75	Ceruloplasmin	0.000
UF_Oc_r_30030	0.004	-0.71	Kelch Domain Containing 3	0.000
UF_Oc_m_30163	0.004	0.29	Prostate-specific Membrane Antigen-like Protein	0.000
UF_Oc_c_40141	0.004	0.75	Integral Membrane Protein 2A	0.000
UF_Oc_r_30511	0.004	-0.92	Transgelin 3	0.000
UF_Oc_r_30070	0.004	0.23	Zinc Finger And Homeodomain Protein 1	0.000
UF_Oc_c_41074	0.004	-1.31	Human clone	0.000
UF_Oc_m_40327	0.004	0.47	Ribosomal Protein L29	0.000

Table S.3

Probe name	p-value	Mean log2 difference	Hit definition	E-value
UF_Oc_c_40121	0.004	-0.6	Ubiquitin-conjugating Enzyme E2L 3 Isoform 1	0.000
UF_Oc_c_40729	0.004	-0.57	NADH dehydrogenase subunit 4	1.877
UF_Oc_m_40229	0.004	0.26	Prostate-specific Membrane Antigen-like Protein	0.000
UF_Oc_c_40351	0.004	0.42	Ribosomal Protein S27	0.000
UF_Mm_31209	0.004	0.52	Heterochromatin Protein 1, Binding Protein 3	0.000
UF_Oc_c_40194	0.004	3.11	Lysozyme C	0.000
UF_Mm_31258	0.004	-0.67	Exostoses 2	0.000
UF_Oc_r_30088	0.004	0.44	SON DNA Binding Protein	0.000
UF_Oc_c_40947	0.004	-0.71	Human clone	0.000
UF_Oc_c_40316	0.004	-0.44	ALGV3072	0.000
UF_Oc_c_40398	0.004	0.48	Ribosomal Protein L34	0.000
UF_Oc_r_30798	0.004	-1.08	Human neuron navigator 1	0.000
UF_Mm_31362	0.004	-0.56	Cytochrome C Oxidase Polypeptide VIb	0.000
UF_Oc_c_40400	0.004	-0.49	Upregulated During Skeletal Muscle Growth 5	0.000
UF_Oc_n_41451	0.004	0.54	antibody variable domain	0.000
UF_Oc_r_30302	0.004	0.58	Transgelin 2	0.000
UF_Oc_r_31012	0.004	0.73	human cDNA clone	0.000
UF_Oc_n_41334	0.004	-1.03	Adaptor-related Protein Complex 3, Beta 2 Subunit	0.000
UF_Oc_r_30082	0.004	0.45	Hypothetical Protein	0.000
UF_Oc_n_41547	0.005	0.15	Insulin-like Growth Factor 2 Receptor	0.000
UF_Oc_n_31168	0.005	0.26	Transforming Growth Factor, Alpha	0.000
UF_Mm_31303	0.005	0.76	Protein Phosphatase 1D Magnesium-dependent, Delta Isoform	0.000
UF_Oc_m_30346	0.005	-1.1	Alpha Enolase	0.000
UF_Oc_m_41039	0.005	-1.09	Human non-neuronal splice variant PTBP2	0.000
UF_Oc_c_40267	0.005	-0.69	LOC459361	0.000
UF_Oc_r_31086	0.005	-0.6	Human clone	0.000
UF_Oc_m_40242	0.005	0.48	Ribosomal Protein S12	0.000
UF_Oc_r_30474	0.005	0.59	Hypothetical Protein	0.000
UF_Oc_r_30037	0.005	-0.54	Olfactomedin-like Protein 3	0.000
UF_Oc_c_40196	0.005	-0.45	Open Reading Frame	0.000
UF_Oc_c_40051	0.005	0.34	Zinc Finger Protein 22	0.000
UF_Mm_31262	0.005	0.91	Karyopherin Alpha 2	0.000
UF_Oc_c_40213	0.005	-1.27	Lumican	0.000
UF_Oc_m_40365	0.005	-0.33	Eukaryotic Translation Initiation Factor 4 Gamma, 2	0.000

Table S.4

Probe name	p-value	Mean log2 difference	Hit definition	E-value
UF_Oc_c_40206	0.005	0.52	Alpha-1,3-mannosyl-glycoprotein 2-beta-N-acetylglucosaminyltransferase	0.000
UF_Oc_r_31059	0.005	0.59	Human cDNA clone	0.000
UF_Oc_n_41394	0.005	-1.09	Annexin A2	0.000
UF_Oc_c_40027	0.005	0.59	RIKEN CDNA	0.000
UF_Oc_c_40676	0.005	0.62	Human cDNA clone	0.000
UF_Oc_c_40040	0.006	-0.28	Ubiquitin C-terminal Hydrolase UCH37	0.000
UF_Oc_m_30997	0.006	-0.66	Yes-associated protein 1	0.000
UF_Oc_c_40214	0.006	-0.14	Leucine Rich Repeat Interacting Protein 2	0.000
UF_Oc_r_31113	0.006	0.39	retinoblastoma binding protein 7	0.000
UF_Oc_r_30211	0.006	-0.64	RIKEN CDNA	0.000
UF_Oc_r_30246	0.006	-1.32	Aldolase A,	0.000
UF_Oc_n_41375	0.006	-0.39	Adenylate Cyclase 5	0.000
UF_Oc_c_40760	0.006	0.69	proline-rich nuclear receptor coactivator 2	0.000
UF_Oc_r_30315	0.006	-0.93	Calreticulin	0.000
UF_Oc_c_40464	0.006	-0.78	RIKEN CDNA	0.000
UF_Oc_n_41402	0.006	-0.62	Potassium Voltage-gated Channel, Shaker-related Subfamily, Beta Member 2	0.000
UF_Oc_c_40405	0.006	0.3	Far Upstream Element Binding Protein 1	0.000
UF_Oc_c_40523	0.006	-0.71	Human clone	0.000
UF_Oc_c_41006	0.006	-0.16	fibronectin leucine rich transmembrane protein 2	0.000
UF_Oc_r_30144	0.006	0.42	Ataxia Telangiectasia And Rad3 Related	0.000
UF_Oc_r_30271	0.006	-0.62	Heat Shock Protein 1, Beta	0.000
UF_Oc_r_30084	0.006	-0.5	TAF13 RNA Polymerase II	0.000
UF_Oc_r_30858	0.007	-1.01	actin-related protein 1 homolog A	0.000
UF_Oc_r_30993	0.007	0.37	Human clone	0.000
UF_Oc_r_30049	0.007	-1.46	Kinesin Family Member 5A	0.000
UF_Oc_r_30072	0.007	-0.97	Tyrosine 3-monooxygenase/tryptophan 5-monooxygenase Activation Protein, Beta Polypeptide	0.000
UF_Oc_r_31009	0.007	-0.49	Human cDNA clone	0.000
UF_Oc_r_30947	0.007	-0.37	Human MU-MB-17.148	0.000
UF_Oc_r_30981	0.007	-0.83	ENSANGP00000025431	1.707
UF_Oc_r_30113	0.007	0.41	LOC462319	0.000
UF_Oc_r_30450	0.007	0.61	LOC505471	0.000

Table S.5

Probe name	p-value	Mean log2 difference	Hit definition	E-value
UF_Oc_m_31130	0.007	-0.99	Human non-neuronal splice variant nPTB4 (PTBP2)	0.000
UF_Oc_m_30155	0.007	0.45	3-hydroxyisobutyryl-Coenzyme A Hydrolase	0.000
UF_Oc_c_40461	0.007	-0.51	ATP Synthase F0 Subunit 8	0.000
UF_Oc_c_40068	0.007	0.35	Dendritic Cell Protein GA17	0.000
UF_Oc_r_30578	0.007	-0.48	Dishevelled 1	0.000
UF_Oc_n_41305	0.007	1.18	antibody variable domain	0.000
UF_Oc_r_30292	0.007	0.26	Importin 9	0.000
UF_Oc_c_41014	0.007	0.54	Mitochondrial DNA	0.000
UF_Oc_r_30128	0.007	0.87	Mitochondrial Ribosomal Protein L44	0.000
UF_Mm_31179	0.008	0.22	Interferon Regulatory Factor 2 Binding Protein 2	0.000
UF_Oc_c_40376	0.008	0.59	Sec61 Beta Subunit	0.000
UF_Oc_r_30275	0.008	0.37	Hexosaminidase A	0.000
UF_Oc_r_30132	0.008	-0.43	Ubiquitin Protein Ligase E3A	0.000
UF_Oc_n_41317	0.008	-0.75	Tissue Inhibitor Of Metalloproteinase 2	0.000
UF_Mm_31296	0.008	-0.42	Kinesin Family Member 21A	0.000
UF_Oc_c_40442	0.008	-0.3	Gene KE2	0.000
UF_Oc_r_30849	0.009	-0.91	Human cDNA clone	0.000
UF_Oc_r_30103	0.009	-0.75	Retinaldehyde Binding Protein 1	0.000
UF_Oc_r_30098	0.009	0.37	Hypothetical Protein	0.000
UF_Oc_n_41551	0.009	-0.47	Calcium Channel, Voltage-dependent, L Type, Alpha 1B Subunit	0.000
UF_Oc_r_30716	0.009	-0.35	Human cDNA clone	0.000
UF_Oc_m_40231	0.009	0.29	Ribosomal Protein, Large, P0	0.000
UF_Oc_m_30380	0.009	0.36	Ribosomal Protein S27	0.000
UF_Oc_c_40171	0.009	0.44	Large Subunit Ribosomal Protein L36a	0.000
UF_Oc_r_30593	0.009	-0.66	Human cDNA clone	0.000
UF_Oc_r_30238	0.009	-0.47	Clathrin-associated Protein 17	0.000
UF_Oc_r_30139	0.009	0.29	DnaJ Homolog, Subfamily B, Member 6	0.000
UF_Oc_r_31144	0.009	0.55	Human cDNA clone	0.000
UF_Oc_n_41410	0.009	0.23	Solute Carrier Family 5, Member 11	0.000
UF_Mm_31248	0.009	0.58	Amyloid Beta Precursor-like Protein 2	0.000
UF_Mm_31396	0.009	0.74	Eukaryotic Translation Initiation Factor 3, Subunit 5	0.000
UF_Mm_31396	0.009	0.74	Eukaryotic Translation Initiation Factor 3, Subunit 5	0.000
UF_Oc_m_30711	0.009	-0.33	Human ELOVL family member 5	0.000
UF_Oc_n_41205	0.009	0.73	Lipocalin 6	0.000

Table S.6

Probe name	p-value	Mean log2 difference	Hit definition	E-value
UF_Oc_r_30150	0.010	-0.55	Stathmin 1	0.000
UF_Oc_r_30197	0.010	-1.39	Aldolase A, Fructose-bisphosphate	0.000
UF_Oc_r_30359	0.010	-0.51	Tumor Suppressor Candidate 2	0.000
UF_Oc_c_40560	0.010	-0.3	Enoyl-CoA hydratase/isomerase	0.046
UF_Oc_c_40362	0.010	0.52	LOC459293	0.000
UF_Oc_c_40385	0.010	-1.01	Rho-GTPase-activating Protein 5	0.000
UF_Oc_c_40288	0.010	0.31	Hypothetical Protein LOC549356	0.000
UF_Oc_r_30418	0.010	-0.97	Pleckstrin Homology Domain Containing, Family B Member 1	0.000
UF_Oc_c_40161	0.010	0.77	SEH1-like	0.000
UF_Oc_m_40221	0.010	0.41	3-hydroxyisobutyryl-Coenzyme A Hydrolase	0.000
UF_Oc_r_30060	0.010	0.62	Guanine Nucleotide Binding Protein, Beta 2	0.000
UF_Oc_r_30069	0.010	1.14	Adenylate Kinase 2	0.000
UF_Mm_31338	0.010	0.34	Transformation Related Protein 53 Inducible Nuclear Protein 1	0.000
UF_Oc_c_40524	0.010	0.8	Hypothetical Protein 9630041N07	0.000
UF_Oc_c_40076	0.010	0.89	Thioredoxin Domain Containing	0.000
UF_Oc_c_40260	0.010	1.04	Ribosomal Protein L27a	0.000
UF_Oc_n_31488	0.010	1.07	Adenylate Kinase 3	0.000
UF_Oc_r_30905	0.010	0.34	Human PAP associated domain containing 4	0.000
UF_Oc_r_30147	0.010	0.67	Zinc Finger Protein 642	0.000
UF_Oc_c_40197	0.010	-0.33	Tax1 Binding Protein 1	0.000
UF_Oc_n_31540	0.010	0.54	DnaJ Homolog, Subfamily B, Member 11	0.000
UF_Oc_c_41004	0.010	-0.88	Human chromosome 11 open reading frame 23	0.000
UF_Mm_31233	0.010	-0.55	Nuclear Factor, Erythroid Derived 2,-like 1	0.000
UF_Oc_c_40370	0.010	-0.36	DKFZP434I092 Protein	0.000
UF_Oc_r_30918	0.011	-0.67	Clone RP44-479G12	0.000
UF_Oc_r_30331	0.011	-0.5	Sequestosome 1	0.000
UF_Mm_31420	0.011	-0.52	DNA Segment, Chromosome 10	0.000
UF_Oc_r_30587	0.011	-0.74	Hypothetical protein	0.002
UF_Oc_r_31069	0.011	-0.72	Human tissue inhibitor of metalloproteinase 2	0.000
UF_Oc_r_30504	0.011	0.48	Transmembrane Trafficking Protein	0.000
UF_Oc_r_30118	0.011	0.55	Hypothetical Protein	0.000
UF_Oc_c_40154	0.011	0.34	Initiation Factor 2 associated 67kDa Protein	0.000
UF_Oc_n_41120	0.011	-1.36	Protein Kinase, CAMP-dependent, Regulatory, Type II, Alpha	0.000
UF_Oc_r_30473	0.011	-0.65	G2	0.000

Table S.7

Probe name	p-value	Mean log2 difference	Hit definition	E-value
UF_Oc_r_30741	0.011	-0.56	Human DNA sequence from clone RP11-336A2 on chromosome 10	0.000
UF_Oc_m_40608	0.011	-0.37	Human ELOVL family member 5	0.000
UF_Mm_31170	0.011	0.23	Optineurin	0.000
UF_Oc_c_40672	0.011	-1.56	Ltap	0.832
UF_Oc_n_41483	0.011	-0.35	RAB11A, Member RAS Oncogene Family	0.000
UF_Oc_n_41162	0.011	0.22	Ubiquitously-expressed Transcript	0.000
UF_Oc_c_40162	0.011	0.26	Beta-A3/A1 Crystalline	
UF_Oc_r_30533	0.011	0.44	Putative senescence-associated protein	0.000
UF_Oc_r_30995	0.012	0.25	No Hit	10.000
UF_Oc_c_41064	0.012	-0.32	Human LanC lantibiotic synthetase component C-like 1	0.000
UF_Oc_c_40210	0.012	-0.25	Centrin	0.000
UF_Oc_c_40039	0.012	-0.46	BC035537	0.000
UF_Oc_n_41478	0.012	-0.95	Protease, Serine, 11	0.000
UF_Oc_r_30806	0.012	0.8	DMSO reductase chain A	0.907
UF_Oc_r_30202	0.012	-0.51	Pituitary Tumor-transforming 1 Interacting Protein	0.000
UF_Oc_r_30724	0.012	-0.36	Phytoceramidase	0.000
UF_Oc_c_40556	0.012	-0.17	Human chromosome 19	0.000
UF_Oc_r_30389	0.012	0.24	LIM Domain Binding 1	0.000
UF_Oc_n_41453	0.012	-0.76	Malate Dehydrogenase 2, NAD	0.000
UF_Oc_c_40903	0.012	-0.57	Human cDNA clone	0.000
UF_Oc_c_40414	0.012	-0.36	Heat Shock 10kD Protein	0.000
UF_Oc_n_41204	0.013	-0.31	Sin3-associated Polypeptide, 18kDa	0.000
UF_Oc_c_40333	0.013	-0.21	ATP Synthase, H+ Transporting, Mitochondrial F0 Complex, Subunit F, Isoform 2	0.000
UF_Oc_n_41208	0.013	-0.38	Amylo-1,6-glucosidase, 4-alpha-glucanotransferase, 4-alphisoform 1	0.000
UF_Mm_31181	0.013	0.13	Histone Deacetylase 1	0.000
UF_Oc_r_30086	0.013	0.48	Translationally Controlled Tumor Protein	0.000
UF_Oc_r_30897	0.013	-0.38	Human cDNA clone	0.000
UF_Oc_r_30212	0.014	-0.21	Cytoskeleton Associated Protein 1	0.000
UF_Oc_r_30547	0.014	-1.38	Ribosomal protein S2	0.000
UF_Oc_m_40304	0.014	-1.07	Alpha Enolase	0.000
UF_Oc_c_40330	0.014	-0.82	PDGFA Associated Protein 1	0.000

Table S.8

Probe name	p-value	Mean log2 difference	Hit definition	E-value
UF_Oc_c_40396	0.014	0.66	Heat Shock Protein 2	0.000
UF_Oc_r_30153	0.014	-0.83	Ubiquitin-activating Enzyme E1	0.000
UF_Mm_31330	0.014	-0.31	HSPC288	0.000
UF_Oc_c_40265	0.014	0.3	RIKEN CDNA	0.000
UF_Oc_r_30254	0.014	-1.06	Calsyntenin 1	0.000
UF_Oc_c_40477	0.015	0.25	KDEL Containing 1	0.000
UF_Oc_c_40085	0.015	0.45	Ribosomal Protein L11	0.000
UF_Oc_m_30374	0.015	0.52	Ribosomal Protein L29	0.000
UF_Oc_r_30094	0.015	-0.33	DKFZP564M182 Protein	0.000
UF_Oc_r_30293	0.015	-0.77	RIKEN CDNA	0.000
UF_Oc_n_41280	0.015	-0.45	Disabled 2 P93	0.000
UF_Oc_c_40870	0.015	0.32	Cathepsin L	0.000
UF_Mm_31329	0.015	-0.59	Exotoses-like 2	0.000
UF_Oc_n_41450	0.015	0.92	Chromosome 10 Open Reading Frame 58	0.000
UF_Oc_n_41419	0.015	-0.87	Acetylcholinesterase	0.000
UF_Oc_c_40182	0.015	0.74	H2A Histone Family, Member V	0.000
UF_Oc_m_40922	0.015	0.56	Human profilin 2 (PFN2), transcript variant 1	0.000
UF_Oc_r_31062	0.015	0.76	Human BAC clone RP11-191J2 from 4	0.000
UF_Oc_n_41516	0.015	-0.92	Hyperpolarization Activated Cyclic Nucleotide-gated Potassium Channel 1	0.000
UF_Oc_c_40635	0.015	-0.3	Human COP9 constitutive photomorphogenic homolog subunit 4	0.000
UF_Mm_31361	0.015	0.27	Cytochrome C-1	0.000
UF_Oc_r_30320	0.016	-0.9	CDC37 Cell Division Cycle 37 Homolog	0.000
UF_Oc_n_41505	0.016	-0.67	Cytochrome C Oxidase Subunit VIa Polypeptide 1 Precursor	0.000
UF_Oc_r_31000	0.016	0.82	Human cDNA clone	0.000
UF_Oc_c_40275	0.016	-0.7	BC011840	0.000
UF_Oc_r_30498	0.016	-0.64	Suppressor Of Variegation 4-20 Homolog 1	0.000
UF_Oc_r_30234	0.016	-0.52	Dullard Homolog	0.000
UF_Oc_n_31548	0.016	-0.56	Protein Phosphatase 3, Catalytic Subunit, Alpha Isoform	0.000
UF_Oc_r_31004	0.016	0.78	Human chromosome 8, clone RP11-67H12	0.000
UF_Oc_c_40048	0.016	-0.28	Dpy-30-like Protein	0.000
UF_Oc_n_31539	0.016	0.39	Bone Morphogenetic Protein 5	0.000
UF_Oc_r_31092	0.016	1.12	Human chemokine (C-X-C motif) ligand 12 (stromal cell-derived factor 1)	0.000

Table S.9

Probe name	p-value	Mean log2 difference	Hit definition	E-value
UF_Oc_n_41303	0.016	0.26	Kruppel-like Factor 5	0.000
UF_Mm_31380	0.016	0.4	Expressed Sequence AI597479	0.000
UF_Oc_m_40302	0.016	0.45	Ribosomal Protein S3	0.000
UF_Oc_r_30360	0.016	-0.71	Leucine Rich Repeat Containing 41	0.000
UF_Oc_r_30122	0.016	0.54	Kynurenine Aminotransferase III	0.000
UF_Oc_c_40093	0.016	0.42	Nucleoporin 88	0.000
UF_Mm_31298	0.016	-0.62	Squamous Cell Carcinoma Antigen Recognized By T-cells 1	0.000
UF_Oc_c_40188	0.016	0.32	Heat Shock 70kDa Protein 5	0.000
UF_Oc_r_31025	0.017	-0.28	CG7036-PB, isoform B	4.884
UF_Oc_n_41347	0.017	-1	Carnitine Palmitoyltransferase 1C	0.000
UF_Mm_31316	0.017	0.3	RAN Binding Protein 9	0.000
UF_Oc_c_40860	0.017	-0.3	Human transmembrane protein 32	0.000
UF_Mm_31174	0.017	-0.29	RIKEN CDNA	0.000
UF_Oc_r_30003	0.017	-1.12	Collagen, Type III, Alpha 1	0.000
UF_Mm_31243	0.017	-0.3	Dihydropyrimidinase-like 3	0.000
UF_Mm_31347	0.017	0.24	Junction Adhesion Molecule 3	0.000
UF_Oc_n_31493	0.017	-1.04	Calcium/calmodulin-dependent Protein Kinase II Gamma	0.000
UF_Oc_r_30213	0.017	-0.24	Hypothetical Gene	0.000
UF_Oc_r_30277	0.017	-0.64	Dynactin 1	0.000
UF_Oc_c_41090	0.017	-0.36	Thymosin, Beta 4, X Chromosome	0.000
UF_Oc_m_40308	0.017	0.33	Ribosomal Protein L10	0.000
UF_Oc_r_30458	0.017	-1.49	RRNA Promoter Binding Protein	0.000
UF_Oc_r_30383	0.017	-1.05	Triosephosphate Isomerase 1	0.000
UF_Oc_c_40883	0.017	1.04	Human cDNA clone	0.000
UF_Oc_r_30216	0.018	-0.54	Ubiquitous Mitochondrial Creatine Kinase Precursor	0.000
UF_Oc_r_30109	0.018	0.49	Chromosome 10 Open Reading Frame 84	0.000
UF_Oc_r_30522	0.78	0.018	Pzp Protein	0.000
UF_Oc_r_31090	0.018	1	Human chromosome 1 clone RP4-809J13	0.000
UF_Oc_c_40007	0.018	-0.37	NADH:ubiquinone Oxidoreductase B17.2 Subunit	0.000
UF_Oc_c_40139	0.018	-0.54	Ubiquitin-conjugating Enzyme E2 Variant 2	0.000
UF_Oc_c_40798	0.018	0.47	Human zinc finger protein 345	0.000
UF_Oc_c_40942	0.018	-1.11	Human chromosome 14	0.000
UF_Oc_n_41515	0.018	-0.42	Casein Kinase 2, Beta Polypeptide	0.000
UF_Oc_c_40153	0.018	-0.37	Hypothetical Protein	0.000

Table S.10

Probe name	p-value	Mean log2 difference	Hit definition	E-value
UF_Oc_c_40256	0.018	0.23	Ribosomal Protein L32	0.000
UF_Oc_r_30513	0.018	-1.49	Hypothetical Protein	0.000
UF_Oc_n_41520	0.018	0.27	Single-stranded DNA Binding Protein 1	0.000
UF_Oc_r_31089	0.018	-0.43	No Hit	10.000
UF_Oc_c_40071	0.018	0.45	Basic Transcription Factor 3	0.000
UF_Oc_r_30071	0.018	0.5	SAR1a Gene Homolog 2	0.000
UF_Oc_c_40553	0.018	-0.95	NADH dehydrogenase subunit 3	0.019
UF_Oc_r_30453	0.019	0.3	Hemoglobin, Beta Adult Major Chain	0.000
UF_Oc_m_30350	0.019	0.42	Ribosomal Protein L10	0.000
UF_Oc_r_30286	0.019	-0.56	Pyruvate Kinase M	0.000
UF_Oc_c_40445	0.019	0.38	Translocation Protein 1	0.000
UF_Oc_r_30092	0.019	-0.53	Syndecan Binding Protein	0.000
UF_Oc_r_30783	0.019	-0.29	Human chromosome 5	0.000
UF_Oc_c_40997	0.019	0.2	RP23-389E7	0.000
UF_Oc_c_40546	0.019	0.31	Hypothetical protein product	0.007
UF_Oc_n_41396	0.019	-0.47	Atherin	0.000
UF_Oc_n_41457	0.019	0.57	Leucine Aminopeptidase 3	0.000
UF_Oc_n_41302	0.019	0.36	RNA Binding Motif Protein 22	0.000
UF_Oc_r_30657	0.019	-0.51	Hypothetical protein	0.055
UF_Oc_c_40072	0.019	0.76	Proliferating Cell Nuclear Antigen	0.000
UF_Oc_n_41293	0.019	0.1	Tachykinin 2 Receptor	0.000
UF_Oc_c_41058	0.019	1.02	Human HIV-1 Rev binding protein	0.000
UF_Oc_r_30558	0.020	-0.65	Human TNFAIP3 interacting protein 1	0.000
UF_Oc_c_40496	0.020	0.54	Topoisomerase I Binding, Arginine/serine-rich	0.000
UF_Oc_m_30165	0.020	0.34	Ribosomal Protein, Large, P0	0.000
UF_Oc_r_30282	0.020	-0.65	Beta-1,3-N acetylglucosaminyltransferase BGnT-6	0.000
UF_Oc_c_40463	0.020	-0.44	Cytochrome C Oxidase Subunit II	0.000
UF_Oc_r_30884	0.020	-0.38	Human hypothetical protein	0.000
UF_Oc_r_30887	0.020	-0.3	Hypothetical protein	1.931
UF_Oc_m_40310	0.021	0.67	Ribosomal Protein S16	0.000
UF_Oc_c_40957	0.021	-0.46	Human cDNA clone	0.000
UF_Oc_r_30227	0.021	-0.67	Pantothenate Kinase 4	0.000
UF_Oc_m_30176	0.021	0.5	Ribosomal Protein S12	0.000
UF_Oc_n_41159	0.021	-0.27	Cytochrome B-5	0.000

Table S.11

Probe name	p-value	Mean log2 difference	Hit definition	E-value
UF_Oc_m_30179	0.021	0.49	Integral Membrane Protein 2B; BRICHOS Domain Containing 2B	0.000
UF_Oc_r_30210	0.021	-0.35	Troponin C2, Fast	0.000
UF_Oc_c_40692	0.021	-0.86	Human chromosome 3, clone RP11-129K12	0.000
UF_Oc_c_40268	0.021	-0.54	Parkinson Disease 7	0.000
UF_Oc_c_40140	0.021	-0.39	NADH Dehydrogenase Fe-S Protein 4, 18kDa	0.000
UF_Oc_n_41565	0.021	2.07	Interleukin 1, Beta	0.000
UF_Oc_r_30667	0.021	-0.18	Plod-prov protein	0.152
UF_Oc_r_30648	0.022	-0.38	Human cDNA clone	0.000
UF_Mm_31450	0.022	0.83	Nonhistone Chromosomal Protein HMG-17	0.000
UF_Oc_r_30594	0.022	-1.01	Monooxygenase, cytochrome P450 like	0.008
UF_Oc_r_30438	0.022	-0.47	Neural Precursor Cell Expressed, Developmentally Down-regulated Gene 8	0.000
UF_Oc_r_30626	0.022	-0.19	Fibronectin, type III	0.048
UF_Oc_r_30319	0.022	-0.85	V-jun Sarcoma Virus 17 Oncogene Homolog	0.000
UF_Oc_r_30469	0.022	-0.43	Secernin 1	0.000
UF_Oc_n_41336	0.022	-0.51	Chromosome 20 Open Reading Frame 4	0.000
UF_Oc_c_40975	0.022	-0.38	Human cDNA clone	0.000
UF_Mm_31288	0.022	-1.04	COP9 Homolog, Subunit 7a	0.000
UF_Mm_31366	0.022	0.34	LOC549847	0.000
UF_Mm_31216	0.022	-0.54	Down Syndrome Cell Adhesion Molecule-like 1	0.000
UF_Oc_c_40484	0.022	0.35	LOC478757	0.000
UF_Oc_c_40208	0.022	0.91	Glutathione S-transferase	0.000
UF_Oc_c_40465	0.023	-0.46	RIKEN CDNA 2200001I15	0.000
UF_Oc_r_30686	0.023	-0.18	Human glutathione peroxidase 3	0.000
UF_Oc_r_30366	0.023	-0.28	Brain Protein I3	0.000
UF_Oc_c_40520	0.023	0.27	Alpha-1B-glycoprotein Precursor	0.000
UF_Oc_c_40530	0.023	-0.5	Human collagen type V alpha 3 chain	0.000
UF_Oc_n_41431	0.023	-0.37	Rho-GTPase-activating Protein 26	0.000
UF_Mm_31426	0.023	-0.29	DNA Segment, Chr 11, ERATO Doi 730, Expressed	0.000
UF_Oc_r_30270	0.023	0.69	Werner Helicase Interacting Protein Isoform 1	0.000
UF_Oc_c_40059	0.024	0.33	WD Repeats And SOF1 Domain Containing	0.000
UF_Oc_c_40583	0.024	-0.56	Hypothetical protein]	0.122
UF_Oc_r_31151	0.024	0.13	GA20049-PA	0.487
UF_Oc_c_40521	0.024	-0.24	Human 3 BAC RP11-436A20	0.000

Table S.12

Probe name	p-value	Mean log2 difference	Hit definition	E-value
UF_Oc_c_40057	0.024	0.43	Aldo-keto Reductase Family 1, Member C1-hydroxysteroid Dehydrogenase	0.000
UF_Oc_r_30830	0.024	0.22	Y106G6D.7	1.110
UF_Oc_r_30123	0.024	0.28	Fetal Globin Inducing Factor	0.000
UF_Oc_n_41257	0.024	0.49	Amyloid Beta Precursor Protein	0.000
UF_Oc_r_30237	0.024	-0.52	Vacuolar ATPase 16kDa Subunit C	0.000
UF_Oc_c_40083	0.024	0.49	PRP18 Pre-mRNA Processing Factor 18 Homolog	0.000
UF_Oc_c_40650	0.024	0.39	Human cDNA clone	0.000
UF_Oc_r_30715	0.025	0.36	Sarcoplasmic reticulum glycoprotein	0.000
UF_Oc_r_30129	0.025	-0.74	Fusion In Malignant Liposarcoma	0.000
UF_Oc_c_40061	0.025	-0.39	Inhibitor Of Kappa Light Polypeptide Gene Enhancer In B-cells, Kinase Complex-associated Protein	0.000
UF_Oc_r_30028	0.025	-0.21	MMS19-like	0.000
UF_Oc_c_41013	0.025	-0.49	Oryctolagus cuniculus osteoglycin	0.000
UF_Oc_n_41173	0.025	-0.41	Solute Carrier Family 10, Member 2	0.000
UF_Oc_r_30424	0.025	-0.41	Chromosome 6 Open Reading Frame 111	0.000
UF_Oc_n_41212	0.025	0.83	Antibody variable domain	0.000
UF_Oc_c_40495	0.025	-0.34	KIAA1880	0.000
UF_Mm_31201	0.025	0.29	YLP Motif Containing 1	0.000
UF_Mm_31322	0.025	-0.99	DEAD Box Polypeptide 24	0.000
UF_Oc_r_30421	0.025	-0.44	MHC Class I Protein	0.000
UF_Oc_r_30797	0.025	0.23	Human cDNA clone	0.000
UF_Oc_c_40091	0.026	0.26	Zinc Finger, FYVE Domain Containing 16	0.000
UF_Oc_c_40198	0.026	-0.78	Transmembrane Protein 16C	0.000
UF_Oc_n_41340	0.026	-0.26	Epithelial Sodium Channel, Gamma Subunit	0.000
UF_Oc_r_30810	0.026	0.32	Human cDNA clone	0.000
UF_Oc_r_30737	0.026	-0.4	Ferritin light chain	0.426
UF_Oc_c_40446	0.026	0.62	F11 Receptor	0.000
UF_Mm_31437	0.026	-0.27	Activated RNA Polymerase II Transcriptional Coactivator P15	0.000
UF_Oc_m_3115	0.026	70.33	Human BAC 3 RP11-484D18	0.000
UF_Mm_31323	0.027	-0.75	Lutheran Blood Group	0.000
UF_Oc_c_40321	0.027	-0.54	ATP Syntase Subunit F6	0.000
UF_Oc_c_40215	0.027	0.57	Bax Inhibitor-1	0.000
UF_Oc_c_40273	0.027	-0.52	Ubiquitination Factor E4A	0.000

Table S.13

Probe name	p-value	Mean log2 difference	Hit definition	E-value
UF_Oc_n_41178	0.027	0.94	Syndet	0.000
UF_Oc_r_30143	0.027	-1.2	Guanine Nucleotide Binding Protein, Alpha Activating Activity Polypeptide O	0.000
UF_Oc_r_30318	0.027	-0.73	Guanine Nucleotide Binding Protein, Alpha Inhibiting Activity Polypeptide 2	0.000
UF_Oc_r_30149	0.027	0.23	Cardiac Lineage Protein 1	0.000
UF_Oc_c_40257	0.027	-0.83	Eukaryotic Translation Initiation Factor 3 Subunit 7	0.000
UF_Oc_c_40347	0.027	0.48	Autophagy Protein 5-like	0.000
UF_Oc_c_40149	0.027	0.43	Ribosomal Protein S15a	0.000
UF_Oc_c_40483	0.027	0.44	NADH Dehydrogenase Subunit 6	0.000
UF_Oc_r_30217	0.027	-0.69	Protein NIMA-interacting 1	0.000
UF_Oc_r_30529	0.027	-0.25	Ataxin 2	0.000
UF_Oc_c_40184	0.027	0.41	Craniofacial Development Protein 1	0.000
UF_Oc_r_30388	0.027	-0.51	Anaphase Promoting Complex Subunit 13	0.000
UF_Oc_c_40016	0.027	0.32	Procollagen, Type XII, Alpha 1	0.000
UF_Oc_r_30379	0.028	0.41	Solute Carrier Family 25, Member 14	0.000
UF_Mm_31297	0.028	0.66	Pre B-cell Leukemia Transcription Factor 3	0.000
UF_Oc_n_41473	0.028	-0.47	Scavenger Receptor Class B Member 1	0.000
UF_Oc_c_40859	0.028	-0.61	Human chromosome 8 cDNA clone	0.000
UF_Oc_c_40293	0.028	-0.52	EPH Receptor B3	0.000
UF_Oc_c_40029	0.028	0.43	DEAD Box Polypeptide 5	0.000
UF_Oc_r_30470	0.028	0.39	LOC459273	0.000
UF_Oc_n_41524	0.028	0.55	Nuclear Autoantigenic Sperm Protein	0.000
UF_Oc_r_30546	0.028	-0.71	28S rRNA	0.000
UF_Oc_r_30108	0.028	0.39	Eukaryotic Translation Initiation Factor 4A, Isoform 2	0.000
UF_Oc_c_40777	0.028	-0.33	Human cDNA clone DKFZp686N09117	0.000
UF_Oc_n_41486	0.028	0.29	Transglutaminase 1	0.000
UF_Oc_m_30773	0.028	0.49	Human RAD21 homolog	0.000
UF_Oc_m_40251	0.029	-0.67	Eukaryotic Translation Initiation Factor 5A; EIF5AI	0.000
UF_Oc_c_40354	0.029	-0.57	Cytochrome C Oxidase Subunit VIIa Polypeptide 2	0.000
UF_Oc_n_41365	0.029	-0.42	Solute Carrier Family 4, Anion Exchanger, Member 3	0.000
UF_Oc_r_30289	0.029	-0.38	Glutamate Receptor, Ionotropic, N-methyl D-asparate-associated Protein 1	0.000
UF_Oc_c_40145	0.029	0.3	Ribosomal Protein L6	0.000

Table S.14

Probe name	p-value	Mean log2 difference	Hit definition	E-value
UF_Oc_c_40528	0.029	-0.64	Mini-collagen	0.000
UF_Oc_r_30762	0.029	0.43	Hypothetical Protein LOC545522	0.000
UF_Oc_c_40099	0.029	-0.53	Melanoma Antigen Family D, 1	0.000
UF_Oc_c_41012	0.029	0.41	Human cDNA clone	0.000
UF_Oc_r_30455	0.030	-0.79	Human cDNA clone	0.000
UF_Oc_r_30307	0.030	-0.38	Cellular Retinoic Acid Binding Protein 2	0.000
UF_Oc_c_40202	0.030	-0.37	Ubiquinol-cytochrome C Reductase Binding Protein	0.000
UF_Oc_r_30807	0.030	0.59	Human BAC clone RP11-575C6 from 2	0.000
UF_Oc_r_30660	0.030	-0.28	Plant disease resistance polyprotein -like	0.078
UF_Oc_c_40259	0.030	-0.71	Oligosaccharyltransferase OST48	0.000
UF_Oc_c_40159	0.031	0.57	H2A Histone Family, Member Z	0.000
UF_Oc_r_30710	0.031	-0.37	Mouse DNA sequence from clone RP23-139F8 on chromosome 2	0.000
UF_Oc_n_41527	0.031	-0.64	ATP Synthase, H+ Transporting, Mitochondrial F0 Complex, Subunit D	0.000
UF_Oc_c_40390	0.031	-0.58	Suppressor Of Ty 6 Homolog	0.000
UF_Oc_c_41033	0.031	-0.33	ENSANGP00000011382	9.534
UF_Oc_c_40050	0.031	0.17	Cyclin H	0.000
UF_Mm_31291	0.031	0.27	Hepatoma-derived Growth Factor, Related Protein 3	0.000
UF_Oc_r_30276	0.032	-0.58	Tubulin, Alpha 2	0.000
UF_Oc_c_40775	0.032	-0.56	Human cDNA clone	0.000
UF_Oc_m_40233	0.032	-0.17	COP9 Constitutive Photomorphogenic Homolog Subunit 5	0.000
UF_Oc_r_30343	0.032	-0.45	ATP Synthase, H+ Transporting, Mitochondrial F1 Complex, Beta Polypeptide	0.000
UF_Oc_r_30877	0.032	0.22	Human BAC clone RP11-541E12 from 2	0.000
UF_Oc_r_30632	0.032	0.14	Proteophosphoglycan 5	0.005
UF_Oc_m_4063	0.032	90.33	Human RAD21 homolog	0.000
UF_Oc_c_40313	0.032	1.26	Ankyrin Repeat Domain 22	0.000
UF_Oc_n_41508	0.032	2.6	Cathelicidin Antimicrobial Peptide	0.000
UF_Oc_c_40617	0.032	-0.36	Fertilin beta	0.421
UF_Oc_n_31495	0.032	-0.18	ATPase, H+ Transporting, Lysosomal V0 Subunit A Isoform 1	0.000
UF_Mm_31245	0.032	0.64	Poly Polymerase Family, Member 2	0.000
UF_Oc_c_40780	0.032	-0.71	Chimpanzee chromosome 22 clone:RP43-009O02	0.000
UF_Oc_r_30908	0.032	0.23	Human voltage dependent t-type calcium channel alpha-1H subunit	2.272

Table S.15

Probe name	p-value	Mean log2 difference	Hit definition	E-value
UF_Oc_c_40482	0.033	0.27	SMAD, Mothers Against DPP Homolog 4	0.000
UF_Oc_c_40416	0.033	2.08	Cysteine-rich Secretory Protein 3	0.000
UF_Oc_c_40387	0.033	-0.34	NADH Dehydrogenase	0.000
UF_Oc_r_30387	0.033	-0.31	KIAA0701 Protein	0.000
UF_Oc_r_30966	0.033	-0.26	LBNL1-125D4	0.000
UF_Oc_n_41345	0.033	-0.56	Esophageal Cancer Associated Protein	0.000
UF_Mm_31429	0.033	-0.48	NADH Dehydrogenase Fe-S Protein 2	0.000
UF_Oc_n_41321	0.033	-0.18	Cholesteryl Ester Transfer Protein, Plasma	0.000
UF_Oc_n_41417	0.033	-0.7	Protein Kinase C, Zeta	0.000
UF_Mm_31186	0.034	0.33	RIKEN CDNA 2500003M10	0.000
UF_Oc_n_31521	0.034	-0.39	Sulfatase 1	0.000
UF_Oc_c_40473	0.034	0.24	40S Ribosomal Protein SA	0.000
UF_Oc_r_30354	0.034	0.29	Bile Acid Beta-glucosidase	0.000
UF_Oc_c_40169	0.034	0.3	Translocation Protein 1	0.000
UF_Oc_r_30221	0.035	-0.33	RAS Protein Activator Like 2	0.000
UF_Oc_r_30965	0.035	-0.4	Human 3 BAC RP11-373L8	0.000
UF_Oc_n_31550	0.035	-0.22	Histidine Triad Nucleotide-binding Protein 1	0.000
UF_Oc_r_30653	0.035	0.25	Human 12 BAC RPCI11-283I3	0.000
UF_Mm_31374	0.035	0.26	Replication Protein A1	0.000
UF_Oc_r_30431	0.036	-0.4	Neugrin	0.000
UF_Oc_r_31057	0.036	0.57	TESP2	5.834
UF_Oc_m_30161	0.036	0.25	Ribosomal Protein L9	0.000
UF_Oc_c_41047	0.036	0.26	Hypothetical protein	8.282
UF_Oc_r_30979	0.036	0.24	Human chromosome 11, clone RP11-732A19	0.000
UF_Oc_r_30228	0.036	-0.8	Chromosome X Open Reading Frame 37	0.000
UF_Oc_c_40626	0.036	0.31	Human zinc finger transcription factor GKLF	0.000
UF_Oc_r_30332	0.036	-0.7	HMT1 HnRNP Methyltransferase-like 2	0.000
UF_Oc_r_30324	0.036	-0.75	RAD23 Homolog A	0.000
UF_Oc_c_40170	0.037	-0.26	NADH Dehydrogenase 1 Alpha Subcomplex, 6	0.000
UF_Oc_n_41271	0.037	0.6	Heat Shock 70kDa Protein 5	0.000
UF_Oc_c_40596	0.037	0.88	ENSANGP00000026445	0.370
UF_Oc_r_30621	0.037	-0.39	Human transmembrane 4 superfamily member 8, transcript variant 1	0.000
UF_Mm_31256	0.037	0.16	Claudin 4	0.000

Table S.16

Probe name	p-value	Mean log2 difference	Hit definition	E-value
UF_Oc_c_40166	0.037	-0.23	Replication Protein A3, 14kDa	0.000
UF_Oc_c_40298	0.038	-0.7	RIKEN CDNA 3100004P22	0.000
UF_Oc_c_40058	0.038	-0.27	KDEL Endoplasmic Reticulum Protein Retention Receptor 2	0.000
UF_Oc_c_40335	0.038	0.39	Branched Chain Keto Acid Dehydrogenase E1, Beta Polypeptide	0.000
UF_Oc_r_30220	0.038	-0.6	Sulfotransferase Family 4A, Member 1	0.000
UF_Oc_m_30185	0.038	-0.53	Eukaryotic Translation Initiation Factor 5A; EIF5AI	0.000
UF_Oc_r_30215	0.038	-0.24	Fast Skeletal Myosin Light Chain 2	0.000
UF_Oc_c_40334	0.038	-0.27	Hypothetical Protein	0.000
UF_Oc_c_40021	0.038	0.49	Fibroblast Activation Protein, Alpha	0.000
UF_Oc_c_40754	0.038	-0.26	Nickel-dependent hydrogenase, large subunit	1.763
UF_Oc_n_41252	0.038	-0.32	Exosome Component 10	0.000
UF_Oc_c_40721	0.038	-0.1	Human MLL5	1.638
UF_Oc_c_40163	0.038	-0.62	Esophageal Cancer Related Gene 4 Protein	0.000
UF_Oc_c_41079	0.038	-0.42	Human A kinase (PRKA) anchor protein 11 (AKAP11), transcript variant 1	0.000
UF_Oc_r_31134	0.038	-0.51	Human cDNA clone	0.000
UF_Oc_n_41172	0.038	0.61	Methylmalonyl Coenzyme A Mutase	0.000
UF_Mm_31348	0.039	0.28	RIKEN CDNA 2210013K02	0.000
UF_Mm_31302	0.039	-0.3	A Kinase Anchor Protein 8-like	0.000
UF_Oc_r_31043	0.039	-0.46	Human BRCA1 associated protein-1 (ubiquitin carboxy-terminal hydrolase) (BAP1)	0.000
UF_Mm_31326	0.039	-0.52	RNA-binding Region Containing 1	0.000
UF_Oc_r_30291	0.039	0.38	Non-SMC Element 1 Homolog	0.000
UF_Oc_r_30079	0.040	0.35	Neonatal Fc Receptor	0.000
UF_Oc_c_40951	0.040	-0.42	Human BAC clone RP11-365H22 from 4	0.000
UF_Oc_r_30497	0.040	-0.82	Gephyrin	0.000
UF_Oc_c_40070	0.040	0.46	Ozrf1 Protein	0.000
UF_Oc_c_4015	0.040	80.35	TRNA Isopentenyltransferase 1	0.000
UF_Oc_r_30314	0.041	-0.67	Guanine Nucleotide Binding Protein, Beta Polypeptide 1	0.000
UF_Oc_r_30555	0.041	0.56	Human chromobox homolog 7	0.000
UF_Oc_c_40384	0.041	-0.19	60 KDa Protein 1-like Protein	0.000
UF_Oc_c_40146	0.041	0.18	Pyruvate Dehydrogenase E1 Component Beta Subunit, Mitochondrial Precursor	0.000
UF_Mm_31334	0.041	0.13	RNA U, Small Nuclear RNA Export Adaptor	0.000

Table S.17

Probe name	p-value	Mean log2 difference	Hit definition	E-value
UF_Oc_c_40706	0.041	0.31	ENSANGP00000022213	0.391
UF_Oc_r_30196	0.041	-0.44	Proteasome 26S Subunit, ATPase, 3	0.000
UF_Oc_n_41291	0.041	-0.74	Transketolase	0.000
UF_Oc_n_41544	0.041	0.84	Glutathione S-transferase A1	0.000
UF_Oc_r_30618	0.041	-0.5	RP23-225M6 45S pre-ribosomal RNA	
UF_Oc_c_40640	0.042	-0.81	Hypothetical Protein	0.000
UF_Oc_r_30833	0.042	0.35	ERATO Doi 471, cDNA clone	0.000
UF_Oc_r_30372	0.042	0.41	Signal Recognition Particle 9K Chain	0.000
UF_Oc_c_40185	0.042	0.39	Electron Transfer Flavoprotein-ubiquinone Oxidoreductase, ETF-QO {EC 1.5.5.1}	0.000
UF_Oc_c_40592	0.042	-0.4	Human ELOVL family member 5	0.000
UF_Oc_r_30005	0.042	0.32	Brix Domain Containing 5	0.000
UF_Oc_r_30288	0.043	-0.58	Unc-119 Homolog	0.000
UF_Oc_r_30482	0.043	0.31	Ring Finger Protein 167	0.000
UF_Oc_c_41037	0.043	-0.56	Human cDNA clone RP11-3O20	0.000
UF_Oc_c_40432	0.043	1.07	NADH Dehydrogenase Subunit 4L	0.000
UF_Oc_m_41075	0.043	0.22	Human 3 BAC RP11-484D18	0.000
UF_Oc_c_40315	0.043	0.31	Matrix Gamma-carboxyglutamate Protein	0.000
UF_Oc_c_40940	0.043	0.35	Human chromosome 16 clone CTA-362G6	0.000
UF_Oc_r_31038	0.044	0.15	Glycerophosphoryl diester phosphodiesterase	5.409
UF_Oc_c_40407	0.044	0.45	WD Repeat Domain 12	0.000
UF_Oc_r_31053	0.044	-0.7	Human chromosome 14 DNA sequence BAC R-841O20	0.000
UF_Oc_r_30016	0.044	-0.27	Glucose Phosphate Isomerase	0.000
UF_Oc_r_30780	0.044	0.12	Human DNA sequence from clone RP4-790G17 on chromosome 1q21.1-21.3	0.000
UF_Oc_r_31158	0.044	0.18	Human X BAC RP11-359O20	0.000
UF_Oc_c_40031	0.044	0.39	Annexin A3	0.000
UF_Oc_r_30290	0.045	0.2	Calcium Channel, Voltage-dependent, Gamma Subunit 7	0.000
UF_Oc_r_30417	0.045	-0.25	Protein Inhibitor Of Activated STAT Protein 1	0.000
UF_Mm_31293	0.045	0.38	Peptidylglycine Alpha-amidating Monooxygenase	0.000
UF_Oc_n_41366	0.045	-0.49	Transient Receptor Potential Cation Channel, Subfamily C, Member 2	0.000
UF_Oc_n_41393	0.045	-0.24	BCL2-like 1	0.000
UF_Oc_r_30855	0.045	-0.39	Human 12 BAC RP11-631N16	0.000

Table S.18

Probe name	p-value	Mean log2 difference	Hit definition	E-value
UF_Oc_r_30195	0.045	-0.72	Troponin T3, Skeletal, Fast	0.000
UF_Oc_n_41313	0.046	-0.68	Eukaryotic Translation Elongation Factor 1 Delta Isoform 1	0.000
UF_Mm_31401	0.046	0.08	Solute Carrier Family 25, Member 19	0.000
UF_Oc_n_41103	0.046	-0.47	Solute Carrier Family 12, Member 2	0.000
UF_Oc_r_30540	0.046	-0.21	Collagen	0.000
UF_Oc_c_40756	0.046	-0.85	Human aquaporin 1 (channel-forming integral protein, 28kDa), transcript variant 1	0.000
UF_Oc_n_41256	0.046	0.99	Antibody variable domain	0.000
UF_Oc_r_30325	0.047	-0.9	100 KDa Coactivator	0.000
UF_Oc_r_30120	0.047	0.33	LOC450900	0.000
UF_Oc_n_41285	0.047	1.35	Amyloid A Protein DSAA85 Precursor	0.000
UF_Oc_r_30730	0.047	0.41	Human cDNA clone	0.000
UF_Oc_r_30413	0.047	-0.37	Polymerase II Polypeptide K	0.000
UF_Mm_31287	0.048	-0.56	Ornithine Decarboxylase Antizyme	0.000
UF_Oc_r_30112	0.048	-0.22	Hypothetical Protein	0.000
UF_Oc_r_31087	0.048	-0.25	Human solute carrier family 38, member 2	0.000
UF_Oc_c_40468	0.048	0.36	NADH Dehydrogenase 1 Alpha Subcomplex, 8	0.000
UF_Oc_r_30788	0.048	0.47	LOC464141	0.000
UF_Oc_c_41078	0.048	-0.3	Human hypothetical protein	0.000
UF_Mm_31171	0.049	-0.66	Deoxyhypusine Synthase	0.000
UF_Oc_n_41226	0.049	-1.08	Upstream Transcription Factor 2, C-fos Interacting	0.000
UF_Oc_c_40550	0.049	-0.8	Hypothetical protein	0.013
UF_Oc_n_41146	0.049	-0.25	NudE Nuclear Distribution Gene E Homolog Like 1	0.000
UF_Oc_n_41541	0.049	0.82	Interleukin 1 Receptor Antagonist	0.000
UF_Oc_r_31058	0.049	0.67	Human fibulin 5 (FBLN5)	0.000
UF_Oc_r_31155	0.050	0.27	Human chromosome , clone RP11-515E23	0.000
UF_Oc_r_30801	0.050	0.84	Human putative translation initiation factor	0.000
UF_Oc_r_30895	0.050	-0.73	Human DNA sequence from clone XX-84131D4 on chromosome X	0.000
UF_Mm_31251	0.050	0.44	Budding Uninhibited By Benzimidazoles 1 Homolog, Beta	0.000
UF_Oc_r_30056	0.050	0.32	Hypothetical Protein	0.000