

## Supporting Information for

“Hexavalent Chromium-Induced Alteration of Proteomic Landscape in Human Skin Fibroblast Cells” by

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**Table S1. List of primers used for real-time PCR as designed by Primer Premier 5.**

<b>Genes</b>	<b>Forward Primer</b>	<b>Reverse Primer</b>
<i>HMGCS1</i>	5' - TGA AAA GCA CAG AAG AAC TTA CGC - 3'	5' - TCT TGG CAG GGC TTG GAA TA - 3'
<i>HMGCR</i>	5' - TGG GGA ATT GTC ACT TAT GG - 3'	5' - GGG CTA TTC AGG CTG TCT TC - 3'
<i>FDPS</i>	5' - CAA AAT TGG CAC TGA CAT CC - 3'	5' - GCC ACT TTC TCA GCC TCC TT - 3'
<i>FDFT1</i>	5' - CAA GCA GTG ACC CTG ATG AT - 3'	5' - CTG AGT CGG GGA TTC TAT GA - 3'
<i>DHCR7</i>	5' - TGC CTT ATC TTT ACA CGC TG - 3'	5' - AAC AGG TCC TTC TGG TGG TT - 3'

*HMGCS1*, 3-hydroxy-3-methylglutaryl-CoA synthase 1; *HMGCR*, 3-hydroxy-3-methylglutaryl-CoA reductase; *FDPS*, farnesyl diphosphate synthase; *FDFT1*, Squalene synthase ; *DHCR7*, 7-dehydrocholesterol reductase.

**Table S2.** List of all proteins quantified and their expression ratios of cells treated with potassium dichromate versus untreated control cells from one set of forward and two sets of reverse SILAC experiments. The average ratio and standard deviation (“S.D.”) of protein expression ratios derived from at least two sets of SILAC labeling experiments are listed. Shown also are the number of peptides identified for each protein (“Pep.”) and percentage sequence coverage (“Seq. Cov. (%)”).

Protein IDs	Protein Names	Uniprot	Ratio F1 (Treated/ Untreated)	Ratio R1 (Treated/ Untreated)	Ratio R2 (Treated/ Untreated)	Average Ratio (Treated/ Untreated)	S.D.	Pep.	Seq. Cov. (%)	PEP
IPI00000001	Double-stranded RNA-binding protein Staufen homolog 1	O95793-1	1.24	1.20	1.13	1.19	0.06	12	28.1	1E-182
IPI00000005	GTPase NRas	P01111	0.99	1.09	1.12	1.07	0.07	7	40.2	3.2E-70
IPI00000006	c-H-ras	P01112	1.08	1.00	1.11	1.06	0.06	7	40.2	2.19E-75
IPI00000015	Pre-mRNA-splicing factor SRP75	Q08170	1.05	0.90	1.18	1.04	0.14	11	20.6	3.2E-154
IPI00000030	PP2A B subunit isoform B56-delta	Q14738-1	1.07	1.26	1.12	1.15	0.10	13	25.2	4.29E-82
IPI00000041	Rho cDNA clone 6	P62745	0.94			0.94		2	14.8	4.6E-175
IPI00000051	Prefoldin subunit 1	O60925	0.94	0.79	0.86	0.87	0.08	4	32.8	2.45E-34
IPI00000057	Component of oligomeric Golgi complex 2	Q14746			0.98	0.98		2	4.7	3.8E-05
IPI00000070	Low-density lipoprotein receptor	P01130	2.28	4.07	3.28	3.21	0.90	3	5.1	3.7E-102
IPI00000075	Latency-associated peptide	P01137			0.75	0.75		2	5.4	0.002007
IPI00000104	GTP--RNA guanylyltransferase	O60942-1		1.29		1.29		2	4.4	1.66E-06
IPI00000105	Lung resistance-related protein	Q14764	1.34	1.46	1.45	1.42	0.07	25	35.9	1.5E-189
IPI00000138	Alpha-1,3-mannosyl-glycoprotein 2-beta-N-acetylglucosaminyltransferase	P26572	0.74	1.12	0.65	0.84	0.25	2	5.6	1.55E-47
IPI00000155	3-hydroxyisobutyrate dehydrogenase-like protein	Q49A26-1		1.41	1.54	1.47	0.09	3	7.4	8.03E-32
IPI00000162	EIF4E-binding protein	Q8NEJ9-1	1.05	0.89	0.96	0.96	0.08	5	14.6	2.59E-67
IPI00000171	TSC22 domain family protein 4	Q9Y3Q8	2.01	0.83	0.75	1.19	0.71	2	9.9	8.63E-07
IPI00000279	DRG family-regulatory protein 1	Q8WU90	0.79	0.99	0.96	0.91	0.11	9	22.5	5.4E-130
IPI00000330	Sensor of single-strand DNA complex subunit C	Q9NRY2-1		1.02	1.07	1.04	0.03	1	12.5	2.18E-25
IPI00000335	HINT-3	Q9BX68	1.10	1.22	1.34	1.22	0.12	6	55.2	8E-206
IPI00000398	Nucleolar and spindle-associated protein 1	Q9BXS6-1	1.83	1.55	1.43	1.60	0.20	7	23.8	2.03E-82
IPI00000494	60S ribosomal protein L5	P46777	0.81	0.85	0.88	0.85	0.04	21	55.9	3.1E-217

IPI00000581	cDNA FLJ56307, highly similar to Ubiquitin thioesterase protein OTUB1 (EC 3.4.-.-)	B4DPD5	1.06	1.13	1.10	1.10	0.04	11	42.9	0
IPI00000634	Coiled-coil domain-containing protein 6	Q16204	0.99			0.99		4	9.1	8.52E-70
IPI00000643	BAG family molecular chaperone regulator 2	O95816	0.90	1.03	1.09	1.01	0.10	13	58.8	7.9E-160
IPI00000684	AGX-1	Q16222-1	0.74	0.86	0.81	0.80	0.06	26	55.9	0
IPI00000685	39 kDa protein kinase	P50613		1.11	1.00	1.05	0.07	3	10.7	6.02E-21
IPI00000686	Probable RNA-binding protein 19	Q9Y4C8	0.75	0.91	0.87	0.84	0.08	7	11.6	6.77E-73
IPI00000690	Apoptosis-inducing factor 1, mitochondrial	O95831-1	1.00	0.87	1.00	0.96	0.07	18	37.2	4.4E-131
IPI00000728	Deubiquitinating enzyme 15	Q9Y4E8-1	0.83	1.00	0.78	0.87	0.11	11	13.6	7.25E-83
IPI00000733	U3 small nucleolar RNA-associated protein 18 homolog	Q9Y5J1	0.85	0.87	0.76	0.83	0.06	6	16.4	2.3E-103
IPI00000760	DDAHII	O95865	1.45	1.25	1.29	1.33	0.11	12	48.4	0
IPI00000769	Kinesin-like DNA-binding protein	Q14807	0.98	1.47	1.35	1.26	0.25	5	12.5	5.3E-114
IPI00000783	Low molecular mass protein 7	P28062-1	0.97	1.05	1.28	1.10	0.16	5	17	1.97E-16
IPI00000792	NADPH:quinone reductase	Q08257	1.03	1.20	1.21	1.15	0.10	8	38	6.64E-84
IPI00000811	Macropain delta chain	P28072	0.96	1.04	1.06	1.02	0.05	7	33.5	4.15E-73
IPI00000816	14-3-3 protein epsilon	P62258	1.04	1.03	1.06	1.04	0.01	28	77.3	0
IPI00000821	39S ribosomal protein L16, mitochondrial	Q9NX20	0.89	0.77	0.85	0.84	0.06	4	21.9	3.37E-56
IPI00000858	cDNA FLJ56180, highly similar to Negative elongation factor E	B4DYX9	1.12	1.10	1.14	1.12	0.02	4	13.4	7.12E-74
IPI00000861	LIM and SH3 domain protein 1	Q14847-1	1.03	1.12	1.17	1.11	0.07	19	68.2	6E-291
IPI00000874	Natural killer cell-enhancing factor A	Q06830	1.02	1.15	1.16	1.11	0.08	19	60.8	1.8E-250
IPI00000875	cDNA FLJ56389, highly similar to Elongation factor 1-gamma	B4DTG2	0.76	0.87	0.82	0.81	0.05	27	53.6	0
IPI00000877	150 kDa oxygen-regulated protein	Q9Y4L1	1.15	0.89	1.00	1.01	0.13	41	45.6	0
IPI00000948	Transducin beta-like protein 2	Q9Y4P3	0.87	1.09	0.94	0.97	0.11	8	20.6	5.25E-84
IPI00001022	Myofibrillogenesis regulator 1	Q8N490-2	1.11	1.32		1.22	0.15	3	30.3	8.54E-64
IPI00001053	Methylmalonic aciduria and homocystinuria type C protein	Q9Y4U1	1.29	1.03	0.84	1.05	0.22	2	14.2	1.9E-33
IPI00001091	AFG3-like protein 2	Q9Y4W6	1.04	0.92	0.86	0.94	0.09	12	14.7	1.7E-67
IPI00001134	RNA-binding motif protein 7	Q9Y580		1.22		1.22		2	6.4	0.000686
IPI00001141	Mitochondrial import inner membrane translocase subunit Tim22	Q9Y584	0.77	0.97	0.89	0.88	0.10	2	10.3	6.29E-17

IPI00001146	U6 snRNA-associated Sm-like protein LSM6	P62312	0.91	1.11	1.07	1.03	0.11	5	48.8	2.03E-18
IPI00001159	GCN1-like protein 1	Q92616	1.03	0.94	0.91	0.96	0.06	45	24	0
IPI00001287	Uncharacterized protein C20orf72	Q9BQP7	1.17	0.90	1.20	1.09	0.17	5	20.1	5.2E-47
IPI00001364	GC-rich sequence DNA-binding factor homolog	Q9Y5B6-1		1.04		1.04		3	3.3	0.000675
IPI00001466	Echinoderm microtubule-associated protein-like 4	Q9HC35	1.00	0.89	1.01	0.97	0.06	8	10.5	1.56E-22
IPI00001541	Mitochondrial import inner membrane translocase subunit Tim9	Q9Y5J7	0.69	0.61	0.85	0.71	0.12	4	47.2	8.96E-29
IPI00001543	Mitochondrial import inner membrane translocase subunit Tim10	P62072	0.67	0.79	0.83	0.76	0.08	2	16.7	4.72E-38
IPI00001546	DDP-like protein	Q9Y5J9	0.85	0.75	0.81	0.80	0.05	3	26.5	2.16E-15
IPI00001560	Cyclin-dependent kinase 4 inhibitor A	P42771-2	0.98	1.23	1.23	1.15	0.14	5	41.9	3.9E-120
IPI00001568	Vacuolar proton pump subunit D	Q9Y5K8	1.21	1.25	1.31	1.26	0.05	6	29.6	3.42E-73
IPI00001578	Uncharacterized protein C17orf62	Q9BQA9	1.02	1.28		1.15	0.18	3	13.4	5.33E-05
IPI00001580	FYVE and coiled-coil domain-containing protein 1	Q9BQS8-1		0.93		0.93		2	3.2	0.011515
IPI00001589	Mitochondrial import inner membrane translocase subunit Tim13	Q9Y5L4	0.76	0.69	0.81	0.75	0.06	3	41.1	4.73E-71
IPI00001636	Ataxin-10	Q9UBB4	0.81	1.22	1.15	1.06	0.22	16	44.8	0
IPI00001639	Importin subunit beta-1	Q14974	0.92	1.10	1.11	1.04	0.11	30	42.5	0
IPI00001641	Origin recognition complex subunit 6	Q9Y5N6		1.47	1.18	1.32	0.20	2	11.1	6.53E-10
IPI00001655	Transcription factor IIB	Q9Y6A4	1.01	1.24	1.17	1.14	0.12	7	29	3.92E-47
IPI00001661	RCC1-I	Q16269	0.94	1.01	0.98	0.97	0.04	9	30.3	4.4E-234
IPI00001663	High temperature requirement protein A2	O43464-1	1.14			1.14		3	7.9	3.65E-36
IPI00001676	Nuclear protein localization protein 4 homolog	Q8TAT6-2	0.94	1.01	1.21	1.05	0.14	12	23.2	9.7E-156
IPI00001690	Cullin-7	Q14999		1.78	1.18	1.48	0.42	3	2.2	4.39E-10
IPI00001710	Another new gene 2 protein	Q9UID3-1		0.86	1.05	0.95	0.13	4	7.9	3.86E-23
IPI00001730	FH1/FH2 domain-containing protein 1	Q9Y613		1.20	1.13	1.16	0.05	4	7.6	3.35E-48
IPI00001734	Phosphoserine aminotransferase	B4DHQ3	0.65	0.81	0.77	0.74	0.08	18	49.4	1.4E-255
IPI00001738	88 kDa nucleoporin	Q99567	0.82	0.98	0.90	0.90	0.08	8	18.8	4.1E-158
IPI00001757	Binder of OVCA1-1	Q9Y5S9-1	1.03	1.06	0.98	1.02	0.04	8	33.3	4.8E-128
IPI00001780	Deubiquitinating enzyme 16	Q9Y5T5-1	0.96		0.98	0.97	0.01	3	6	4.58E-14
IPI00001871	PRKC apoptosis WT1 regulator protein	Q96IZ0	0.78	0.86	0.75	0.80	0.06	10	41.2	1.3E-100

IPI00001883	SH3 and PX domain-containing protein 1	Q9Y5X1		1.48		1.48		4	9.7	3E-133
IPI00001891	Ancient ubiquitous protein 1	Q9Y679-1	0.79	0.90	0.99	0.89	0.10	3	10.1	3.71E-91
IPI00001914	23 kDa FK506-binding protein	Q9Y680-1	1.09	1.16	1.63	1.29	0.29	7	27.8	7.67E-40
IPI00001960	Chloride intracellular channel protein 4	Q9Y696	0.83	1.04	1.04	0.97	0.12	23	75.9	0
IPI00001985	Vacuolar protein sorting-associated protein 18 homolog	Q9P253-1		1.47	0.95	1.21	0.37	5	8.4	8.78E-21
IPI00001999	Cancer/testis antigen 86	O43482	0.74	1.08	0.77	0.86	0.18	2	18.8	7.39E-60
IPI00002134	26S protease subunit S5 basic	Q16401	0.98	1.05	1.09	1.04	0.06	18	48.4	0
IPI00002135	Transforming, acidic coiled-coil containing protein 3	Q9Y6A5	1.34		0.77	1.06	0.41	4	6.7	5.78E-13
IPI00002149	GTP-binding protein B	Q9Y6B6	0.87	1.12	1.10	1.03	0.14	7	41.4	2.4E-148
IPI00002186	Brefeldin A-inhibited guanine nucleotide-exchange protein 2	Q9Y6D5	0.86	1.28	1.40	1.18	0.29	4	3.1	6.9E-22
IPI00002214	Importin subunit alpha-2	P52292	0.77	0.96	0.96	0.89	0.11	17	46.3	0
IPI00002232	Kinase from chicken homolog B	Q7L7X3-1		1.03		1.03		5	8.1	1.22E-17
IPI00002255	Beige-like protein	P50851-1			0.84	0.84		2	0.9	2.57E-26
IPI00002270	UPF0364 protein C6orf211	Q9H993	1.22	1.20	1.14	1.19	0.04	7	19	7.9E-110
IPI00002324	DTDP-4-keto-6-deoxy-D-glucose 4-reductase	Q9NZL9-1	1.04	1.11	1.20	1.12	0.08	9	30.8	7.7E-139
IPI00002335	Huntingtin	P42858		1.09	1.00	1.05	0.06	4	2.2	5.07E-25
IPI00002349	82 kDa FMRP-interacting protein	Q7Z417	1.15	1.05	1.14	1.12	0.05	6	13.4	4.81E-58
IPI00002372	70 kDa peroxisomal membrane protein	P28288-1			0.97	0.97		9	16.2	3.81E-28
IPI00002408	RNA polymerase II-associated protein 3	Q9H6T3-1	1.06	1.18	1.10	1.11	0.06	10	19.5	8.4E-189
IPI00002459	Annexin A6, isoform CRA_c	A6NN80	1.06	1.05	1.01	1.04	0.03	60	78.3	0
IPI00002460	Annexin A7	P20073-1	1.05	1.17	1.23	1.15	0.09	10	21.7	2.28E-88
IPI00002478	Endothelin-converting enzyme 1	P42892-1	1.86	1.02	1.29	1.39	0.43	7	10.4	8.29E-44
IPI00002496	GDP-mannose pyrophosphorylase B	Q9Y5P6-2	0.93	1.05		0.99	0.09	11	38	4.8E-159
IPI00002501	Activating transcription factor 1	P18846		1.25		1.25		2	5.9	0.030704
IPI00002506	Asparagine-linked glycosylation protein 5 homolog	Q9Y673		1.29		1.29		2	7.7	2.3E-05
IPI00002519	Glycine hydroxymethyltransferase	P34896-1	1.16	1.16	1.14	1.15	0.01	9	22.2	4.5E-183
IPI00002520	Glycine hydroxymethyltransferase	P34897	0.83	0.88	0.89	0.87	0.03	22	49.4	0
IPI00002525	Cell immortalization-related protein 2	Q9UMX5	1.45	1.02	0.93	1.13	0.28	6	45.9	3E-155

IPI00002535	13 kDa FK506-binding protein	P26885	0.97	1.16	1.23	1.12	0.14	4	33.8	1.68E-21
IPI00002557	Coatomer subunit gamma-2	Q9UBF2	0.74	1.19	1.24	1.06	0.27	8	12.2	4E-122
IPI00002564	DNA repair protein XRCC1	P18887	0.95	1.19	1.19	1.11	0.13	9	18	5.78E-26
IPI00002569	Eukaryotic translation initiation factor 4E-binding protein 1	Q13541	1.27		0.66	0.96	0.43	4	59.3	3.29E-61
IPI00002580	Phosphatidylinositol-4-phosphate 3-kinase C2 domain-containing subunit alpha	O00443		1.08	1.11	1.10	0.02	2	2.3	6E-145
IPI00002707	Spastic paraplegia 4 protein	Q9UBP0-1	1.02			1.02		2	5.2	0.000302
IPI00002745	Cathepsin P	Q9UBR2	0.99	0.84	0.98	0.94	0.08	5	19.5	1.12E-42
IPI00002790	Protein sel-1 homolog 1	Q9UBV2-1			0.89	0.89		3	6.5	8.19E-63
IPI00002802	Lysyl oxidase	P28300	0.72	0.92	0.84	0.83	0.10	13	42.4	1.1E-72
IPI00002804	Protein kinase C-like 2	Q16513	0.99	1.14	1.06	1.06	0.07	19	28.8	7.8E-199
IPI00002824	Cysteine and glycine-rich protein 2	Q16527	0.94	1.26	1.20	1.13	0.17	12	66.8	6.1E-268
IPI00002853	PP2A B subunit isoform B56-epsilon	Q16537	1.17		0.99	1.08	0.13	6	15.8	7.3E-117
IPI00002857	Cytokine suppressive anti-inflammatory drug-binding protein	Q16539-1	1.05	1.15	1.16	1.12	0.06	8	31.9	4.02E-36
IPI00002894	DNA polymerase delta catalytic subunit	P28340		1.09		1.09		17	16.4	3.4E-53
IPI00002895	DRB sensitivity-inducing factor 14 kDa subunit	P63272	0.80			0.80		2	13.7	0.006576
IPI00002902	Nucleolar protein 9	Q5SY16	1.12	1.10	1.03	1.08	0.04	4	11.4	3.39E-64
IPI00002922	F-box-like/WD repeat-containing protein TBL1XR1	Q9BZK7	0.92	1.23	1.16	1.10	0.16	5	13.6	6.1E-33
IPI00002926	ESCRT-I complex subunit VPS37B	Q9H9H4	1.28	1.08		1.18	0.15	2	15.1	3.89E-75
IPI00002938	Activator of basal transcription 1	Q9ULW3	1.23		0.88	1.06	0.25	3	16.9	6.12E-06
IPI00002966	Heat shock 70 kDa protein 4	P34932	0.91	1.02	0.99	0.97	0.06	53	69.5	0
IPI00002968	Molybdenum cofactor synthesis 2	O96033	0.90			0.90		2	21.6	0.000368
IPI00002993	RNA polymerase II TBP-associated factor subunit G	Q16594		1.25	1.26	1.25	0.01	5	23.1	4.81E-18
IPI00003004	Glutamate/H(+) symporter 1	Q9H936	0.94	0.98	1.03	0.98	0.04	5	15.8	6.48E-42
IPI00003027	Gem-associated protein 7	Q9H840			0.76	0.76		3	26	4E-109
IPI00003031	Isochorismatase domain-containing protein 2, mitochondrial	Q96AB3-2	0.80	1.03	1.18	1.00	0.20	3	17.6	7E-34
IPI00003168	41 kDa phosphoribosylpyrophosphate synthetase-associated protein	O60256	0.96	1.25	1.12	1.11	0.15	8	27.1	1.1E-136
IPI00003217	Macropain chain Z	Q99436	0.98	1.06	1.04	1.03	0.04	7	27.4	5.89E-81

IPI00003269	Beta-actin-like protein 2	Q562R1	1.13	0.88	0.97	0.99	0.12	10	19.9	0
IPI00003309	DNA-directed RNA polymerase II subunit H	P52434	0.98	1.07	1.12	1.06	0.07	5	32.7	4.8E-150
IPI00003310	RPB11a protein	Q9H1A6	0.73			0.73		2	15	7.02E-07
IPI00003318	Protein FON	Q9UHR6		0.91	0.85	0.88	0.04	2	5.7	1.18E-13
IPI00003326	ADP-ribosylation factor-like protein 2	P36404	0.88	1.20	1.18	1.09	0.18	6	42.9	2.34E-56
IPI00003327	ADP-ribosylation factor-like protein 3	P36405	1.19	1.12	1.17	1.16	0.03	7	46.2	1.6E-31
IPI00003348	G protein subunit beta-2	P62879	1.20	1.58	1.40	1.39	0.19	12	40.9	6.9E-240
IPI00003362	78 kDa glucose-regulated protein	P11021	1.11	0.83	0.92	0.95	0.14	46	55.6	0
IPI00003369	LIM domain-containing protein 1	Q9UGP4	1.02	1.41	1.19	1.21	0.19	4	9.5	3.6E-81
IPI00003377	Splicing factor 9G8	Q16629-1	1.05	0.96	0.96	0.99	0.05	10	33.6	2.7E-115
IPI00003386	Protein ZYP	P62877			1.06	1.06		1	7.4	0.003025
IPI00003394	Component of gems 1	Q16637-1	0.91	1.10	0.94	0.98	0.10	4	19.7	5.7E-107
IPI00003406	Developmentally-regulated brain protein	Q16643-1			0.90	0.90		31	47.3	1.6E-271
IPI00003419	Small acidic protein	O00193	1.36	1.00	0.92	1.09	0.24	6	40.4	0
IPI00003420	APC-binding protein EB2	Q15555-1	1.05	1.39	1.10	1.18	0.18	11	39.4	1.41E-84
IPI00003421	T-box brain protein 1	Q16650			0.86	0.86		1	1.8	0.008442
IPI00003438	DnaJ homolog subfamily C member 8	O75937	1.30	1.07	1.11	1.16	0.12	9	34.8	4.5E-168
IPI00003443	Gamma-interferon-inducible protein 16	Q16666-1	1.04	1.22	1.15	1.14	0.09	13	20	2.83E-89
IPI00003479	Mitogen-activated protein kinase 1	P28482	0.99	1.19	1.17	1.12	0.11	15	46.1	7E-106
IPI00003482	2,4-dienoyl-CoA reductase [NADPH]	Q16698	0.91	1.17	1.20	1.09	0.16	6	26	7E-106
IPI00003494	Esp1-associated protein	O95997		0.96		0.96		1	7.4	9.39E-20
IPI00003505	Human papillomavirus type 16 E1 protein-binding protein	Q15645-1	1.06	1.27	1.15	1.16	0.11	7	19.9	7.5E-102
IPI00003515	Clonal evolution-related gene on chromosome 14 protein	Q15643		1.16		1.16		2	1	0.006648
IPI00003519	116 kDa U5 small nuclear ribonucleoprotein component	Q15029	0.93	0.93	0.94	0.93	0.01	38	46.7	0
IPI00003527	Ezrin-radixin-moesin-binding phosphoprotein 50	O14745	1.79	1.16	1.26	1.40	0.34	5	22.6	2.73E-62
IPI00003565	26S proteasome non-ATPase regulatory subunit 10	O75832	0.97	1.14	1.12	1.08	0.09	7	37.6	2.87E-65
IPI00003588	Aminoacyl tRNA synthetase complex-interacting multifunctional protein 3	O43324	0.89	1.08	0.98	0.99	0.09	4	20.1	9.36E-42
IPI00003590	Quiescinq Q6	O00391-1			1.20	1.20		4	8.3	2.56E-41



IPI00003627	53 kDa BRG1-associated factor A	O96019-1	1.04	1.08	1.14	1.09	0.05	10	30.1	6E-118
IPI00003704	Lark homolog	Q9BWF3-1	0.79	1.10	0.95	0.95	0.15	15	50.8	1.5E-284
IPI00003706	RNA-binding motif, single-stranded-interacting protein 2	Q15434			1.17	1.17		4	8.6	7.36E-05
IPI00003739	DEAD box protein 49	Q9Y6V7	0.75	0.67	0.92	0.78	0.13	7	22.8	5.9E-101
IPI00003765	Calpain-7	Q9Y6W3	0.96	1.20	0.93	1.03	0.15	3	4.9	1.23E-08
IPI00003766	Ethylmalonic encephalopathy protein 1	O95571	0.96	1.01	0.88	0.95	0.07	8	37	1.24E-73
IPI00003768	Pescadillo homolog	O00541-1	0.65	0.96	0.83	0.81	0.16	14	22.8	2.01E-51
IPI00003783	Dual specificity mitogen-activated protein kinase kinase 2	P36507	0.96	1.14	1.09	1.06	0.09	13	42.8	0
IPI00003802	Alpha-mannosidase 2	Q16706	0.89	0.97	1.01	0.95	0.06	9	8.9	4.02E-42
IPI00003817	Rho GDP dissociation inhibitor (GDI) beta	P52566		1.84		1.84		1	6.5	7.2E-07
IPI00003833	Met-induced mitochondrial protein	Q9Y6C9	0.78	0.99	0.95	0.90	0.11	9	32	6.21E-96
IPI00003848	DnaJ homolog subfamily B member 4	Q9UDY4	0.97	0.93	0.84	0.91	0.07	14	44.8	9.9E-228
IPI00003856	Vacuolar proton pump subunit E 1	P36543	1.02	1.30	1.36	1.23	0.18	7	29.6	4.81E-41
IPI00003865	Heat shock 70 kDa protein 8	P11142-1	0.93	0.91	0.94	0.93	0.02	50	69.5	0
IPI00003870	Endopeptidase Clp	Q16740	1.30	0.86	0.80	0.99	0.27	8	38.3	5.83E-94
IPI00003881	Heterogeneous nuclear ribonucleoprotein F	P52597	1.02	1.17	1.11	1.10	0.08	10	33.7	0
IPI00003894	RING finger protein 11	Q9Y3C5	1.23			1.23		1	7.8	0.00117
IPI00003918	60S ribosomal protein L1	P36578	0.91	0.94	0.89	0.91	0.03	31	54.6	0
IPI00003923	OMPdecase	P11172-1	0.93	1.09	0.93	0.98	0.09	12	30.6	5.3E-136
IPI00003925	Pyruvate dehydrogenase E1 component subunit beta, mitochondrial	P11177-1	0.98	1.10	1.09	1.05	0.07	11	34	3.4E-262
IPI00003927	40 kDa peptidyl-prolyl cis-trans isomerase	Q08752	1.00	1.10	0.93	1.01	0.08	8	26.2	4.1E-32
IPI00003933	Glyoxalase II	Q16775-1	1.13	1.32	1.53	1.33	0.20	3	10.1	5.51E-57
IPI00003935	Histone H2B type 2-E	Q16778	1.04			1.04		15	77.8	4.8E-177
IPI00003944	Branched-chain alpha-keto acid dehydrogenase complex component E2	P11182	1.06	1.25		1.16	0.13	3	7.3	7E-135
IPI00003949	Bendless-like ubiquitin-conjugating enzyme	P61088	1.09	0.99	1.04	1.04	0.05	9	52.6	3.15E-76
IPI00003965	Deubiquitinating enzyme 7	Q93009	0.98	1.03	1.00	1.00	0.03	20	23.8	4.3E-148
IPI00003968	Complex I-39kD	Q16795	0.87	0.93	1.03	0.94	0.08	8	30.2	6.07E-33
IPI00003971	Neuroendocrine-specific protein	Q16799-1		0.97		0.97		3	4.4	0.004057

IPI00003985	BCS1-like protein	Q9Y276	0.95	1.00	0.62	0.85	0.21	3	10.5	8.68E-53
IPI00004233	Antigen KI-67	P46013-1	1.16	1.22	1.11	1.16	0.06	24	12.7	1.1E-201
IPI00004273	Arg/Glu/Asp-rich protein of 120 kDa	P49756-1	1.11	1.05	1.05	1.07	0.03	17	25.5	1E-100
IPI00004290	Digestive organ expansion factor homolog	Q68CQ4	0.84		0.95	0.89	0.08	3	5	1.99E-05
IPI00004308	Protein ftsJ homolog 1	Q9UET6	0.93		1.20	1.06	0.19	3	13.7	1.51E-48
IPI00004312	Signal transducer and activator of transcription 2	P52630-1	1.04	1.45	1.63	1.37	0.30	6	8.9	2E-43
IPI00004324	BET3 homolog	O43617	0.86	1.10	1.02	0.99	0.12	6	33.9	1.96E-94
IPI00004337	Zinc finger and BTB domain-containing protein 11	O95625		1.28		1.28		2	3	8.59E-16
IPI00004358	Glycogen phosphorylase, brain form	P11216	1.01	1.13	1.15	1.10	0.08	35	47.3	0
IPI00004363	DCHT	Q9UEW8	0.86	0.89	0.92	0.89	0.03	5	19	3.3E-34
IPI00004392	7,8-dihydro-8-oxoguanine triphosphatase	P36639-1	1.03	1.24	1.26	1.18	0.13	4	20.8	1.3E-199
IPI00004397	cDNA FLJ55177, highly similar to Ras-related protein Ral-B	B4E040	1.14	1.24	1.24	1.21	0.06	9	32.9	7.4E-115
IPI00004408	Adducin-like protein 70	Q9UEY8-1	1.25	1.55	1.19	1.33	0.20	4	7.2	1.05E-83
IPI00004416	Charged multivesicular body protein 2a	O43633	1.14	1.32	1.25	1.24	0.09	3	16.7	1.53E-44
IPI00004436	Cancer-associated Sm-like	O15116			0.55	0.55		2	26.3	1.63E-06
IPI00004459	18S rRNA dimethylase	Q9UNQ2	0.59	0.55	0.72	0.62	0.09	7	26.5	8.06E-43
IPI00004472	Erythrocyte 65 kDa protein	Q9H4A3-1	1.01	0.91	1.05	0.99	0.07	4	2.3	3.71E-20
IPI00004497	Breakpoint cluster region protein	P11274-1		1.06		1.06		2	1.6	0.018962
IPI00004506	BTB/POZ domain-containing protein KCTD5	Q9NXV2		0.83		0.83		2	12.4	1.33E-56
IPI00004655	FSHD region gene 1 protein	Q14331	0.92	1.11	0.96	0.99	0.10	6	29.1	5.84E-95
IPI00004668	Alpha-(1,6)-fucosyltransferase	Q9BYC5-1		0.80		0.80		4	9.6	4.86E-07
IPI00004669	Polypeptide GalNAc transferase 2	Q10471	0.82	1.25	1.10	1.06	0.22	10	16.1	8.7E-129
IPI00004712	Checkpoint protein HUS1	O60921			0.99	0.99		1	7.1	0.00036
IPI00004758	Autosomal recessive hypercholesterolemia protein	Q5SW96			1.55	1.55		2	8.4	1.98E-05
IPI00004795	Chloride channel, nucleotide sensitive 1A	P54105	1.09	0.83	0.96	0.96	0.13	5	38.4	5.08E-68
IPI00004838	Adapter molecule crk	P46108-1	1.17	1.07	1.06	1.10	0.06	13	55.9	5.7E-258
IPI00004839	Crk-like protein	P46109	1.30	1.01	1.02	1.11	0.17	8	38.9	1.1E-117
IPI00004845	Protein NipSnap homolog 3A	Q9UFN0		1.09	1.36	1.22	0.19	4	22.7	2.73E-14

IPI00004859	Bloom syndrome protein	P54132			0.86	0.86		3	2	0.009337
IPI00004860	Arginine--tRNA ligase	P54136-1	0.85	0.97	0.94	0.92	0.06	37	53.5	0
IPI00004928	Egl nine homolog 1	Q9GZT9-1	1.24	1.19		1.21	0.04	3	10.1	3.23E-42
IPI00004942	Nucleolar autoantigen 36	Q9Y3S2	0.74	0.81		0.78	0.05	3	10.6	1.76E-32
IPI00004962	Golgi integral membrane protein 4	O00461	0.55	0.58	0.63	0.59	0.04	12	19.5	2.5E-256
IPI00004968	Nuclear matrix protein 200	Q9UMS4	0.95	1.07	1.00	1.01	0.06	17	43.8	1.3E-222
IPI00005015	CCR4-associated factor 3	O75175-1	1.04	1.07	0.91	1.01	0.09	6	11.7	3.82E-60
IPI00005030	EH-binding protein 10	Q9P0V3-1	0.94	1.15	1.07	1.05	0.11	13	17.3	9.96E-73
IPI00005036	RNA binding motif protein 5	P52756-1	1.79	1.31		1.55	0.34	2	2.9	7.75E-05
IPI00005038	14.5 kDa translational inhibitor protein	P52758	1.07	0.73	1.08	0.96	0.20	4	40.9	3.37E-74
IPI00005039	Translation initiation factor IF-2, mitochondrial	P46199			1.25	1.25		2	4.3	0.000566
IPI00005050	28S ribosomal protein S14, mitochondrial	O60783	0.95		0.99	0.97	0.03	2	21.9	1.34E-29
IPI00005055	UPF0428 protein CXorf56	Q9H5V9	0.97	1.20	1.07	1.08	0.11	4	21.2	1.24E-22
IPI00005087	Tropomodulin-3	Q9NYL9	0.98	1.06	1.05	1.03	0.05	16	51.4	0
IPI00005102	Spermidine aminopropyltransferase	P52788-1	0.87	1.05	0.98	0.97	0.09	14	43.4	4.4E-204
IPI00005107	Niemann-Pick C1 protein	O15118		0.45	1.41	0.93	0.68	2	2	3.6E-18
IPI00005129	Secretory carrier-associated membrane protein 1	O15126-1		0.79	1.08	0.93	0.20	3	14.8	1.69E-22
IPI00005154	Chromatin-specific transcription elongation factor 80 kDa subunit	Q08945	1.07	1.10	1.08	1.08	0.01	23	34.1	0
IPI00005158	Lon protease homolog, mitochondrial	P36776	0.94	0.80	0.85	0.86	0.08	21	26.7	1.1E-201
IPI00005160	Actin-related protein 2/3 complex subunit 1B	O15143	0.84	1.21	1.18	1.08	0.20	12	34.9	7.8E-130
IPI00005161	Actin-related protein 2/3 complex subunit 2	O15144	0.97	1.10	1.15	1.07	0.09	15	47.3	1.1E-153
IPI00005163	ADP-ribosylation factor-like protein 15	Q9NXU5			0.99	0.99		1	5.9	0.000734
IPI00005179	AC40	O15160-1	0.85	0.88	0.90	0.88	0.03	7	29.5	7.8E-150
IPI00005181	Ca(2+)-dependent phospholipid scramblase 1	O15162	1.25	0.99	1.29	1.18	0.16	2	7.2	1.65E-55
IPI00005194	Ubiquitin domain-containing protein UBFD1	O14562	1.20	1.07	0.72	1.00	0.25	3	11.6	3.6E-124
IPI00005198	Interleukin enhancer-binding factor 2	Q12905	1.07	1.09	1.05	1.07	0.02	15	50.3	0
IPI00005202	Membrane-associated progesterone receptor component 2	O15173	1.25	0.93	1.00	1.06	0.17	11	36.4	1.2E-282
IPI00005210	Centrin-3	O15182	0.97			0.97		4	22.2	3.66E-14
IPI00005218	MOCO1-B	O96007	0.94	1.25	1.07	1.09	0.16	4	18.6	2.1E-106

IPI00005223	Madh6	O15198-1	1.15			1.15		1	2.8	9.34E-13
IPI00005260	Proteasome activator complex subunit 4	Q14997-1		1.20	1.08	1.14	0.08	4	3.4	1.23E-56
IPI00005490	Coat protein GPP34	Q9H4A6	0.93	1.06	1.04	1.01	0.07	4	15.1	1.74E-92
IPI00005492	BMP2-induced 3-kb gene protein	P61964	1.04	1.14	1.07	1.08	0.05	4	19.2	5.1E-38
IPI00005511	PHD finger-like domain-containing protein 5A	Q7RTV0	0.81	1.05	1.04	0.97	0.13	6	61.8	1.3E-180
IPI00005537	39S ribosomal protein L12, mitochondrial	P52815	1.09	0.94	0.89	0.98	0.10	11	31.4	3.3E-165
IPI00005573	5(3)-deoxyribonucleotidase, cytosolic type	Q8TCD5-1		1.23	1.17	1.20	0.05	3	19.9	2.49E-14
IPI00005578	EH domain-containing protein 4	Q9H223	1.20	1.08	1.11	1.13	0.06	17	42	5.9E-278
IPI00005585	Glutaminase-interacting protein 3	O14907	1.01		1.12	1.06	0.08	1	13.7	1.12E-68
IPI00005613	Splicing factor U2AF 35 kDa subunit	Q01081	0.87	1.08	1.06	1.01	0.12	6	29.2	8.6E-118
IPI00005614	Beta-II spectrin	Q01082-1	1.09	1.04	1.09	1.08	0.03	103	51.9	0
IPI00005634	Tetratricopeptide repeat protein 37	Q6PGP7	1.44	1.76	0.86	1.35	0.46	6	6.3	4.22E-83
IPI00005648	Scaffold attachment factor B2	Q14151	1.43	1.09	0.41	0.98	0.52	12	15.3	1.06E-75
IPI00005657	Prefoldin subunit 6	O15212	1.10	0.84	0.89	0.94	0.14	6	39.5	2.4E-104
IPI00005658	Ubiquitin-like protein 4A	P11441	1.41			1.41		6	47.1	1.61E-98
IPI00005677	Acyl-CoA: dihydroxyacetonephosphate acyltransferase	O15228	0.90	0.86	0.94	0.90	0.04	5	9.1	7.11E-16
IPI00005692	28S ribosomal protein S12, mitochondrial	O15235			1.04	1.04		2	15.2	0.002058
IPI00005715	Homozygously deleted in neuroblastoma 1	O95155-1	1.18	1.07	1.18	1.14	0.06	6	7.4	6.87E-89
IPI00005719	Ras-related protein Rab-1A	P62820-1	0.84	1.08	1.11	1.01	0.15	14	66.8	0
IPI00005724	40 kDa erythrocyte membrane protein	O43813	1.01	0.98	1.33	1.10	0.19	5	17.3	1.45E-60
IPI00005728	Protein RER1	O15258		1.25		1.25		2	13.6	1.17E-17
IPI00005737	Surfeit locus protein 4	O15260-1		0.44	1.44	0.94	0.71	2	11.5	1.48E-17
IPI00005740	Neighbor of COX4	O43402	0.86	0.97	1.10	0.98	0.12	6	24.3	6.85E-23
IPI00005745	Long chain base biosynthesis protein 1	O15269	0.89	1.15	1.06	1.03	0.13	11	25.4	3E-151
IPI00005751	Long chain base biosynthesis protein 2	O15270		0.85	0.96	0.91	0.08	3	8.7	7.19E-33
IPI00005777	Chromosome 3p kinase	Q16644		1.01		1.01		2	8.1	0.004393
IPI00005780	O-GlcNAc transferase subunit p110	O15294-1		0.85	0.67	0.76	0.13	6	7.9	2.16E-56
IPI00005791	Highly expressed in cancer protein	O14777	1.46	1.42	1.14	1.34	0.17	14	26.9	9.87E-24
IPI00005792	Nuclear poly(A)-binding protein 1	Q86U42-1	1.06	1.23	1.16	1.15	0.09	5	27.1	7.23E-31
IPI00005822	Anaphase-promoting complex subunit 8	Q9UJX2-1		0.82	0.93	0.88	0.08	7	13.1	3.52E-61

IPI00005826	HECT domain and RCC1-like domain-containing protein 2	O95714		0.83	0.96	0.89	0.09	3	0.8	6.53E-33
IPI00005861	Pre-mRNA-splicing factor 3	O43395-1	0.97	1.05	1.07	1.03	0.05	10	20.5	1.1E-176
IPI00005904	Component of gems 3	Q9UHI6	0.77	1.25	0.89	0.97	0.25	6	11.5	3.64E-22
IPI00005914	Carbohydrate kinase-like protein	Q9UHI6			1.03	1.03		3	10.3	1.15E-29
IPI00005948	Mediator of RhoA-dependent invasion	Q9BV20-1	1.09	1.08	0.97	1.05	0.07	6	22.5	2.35E-27
IPI00005966	13 kDa differentiation-associated protein	Q9UI09	1.20	0.75	1.30	1.09	0.30	2	19.9	8.18E-35
IPI00005969	CapZ alpha-1	P52907	1.12	1.00	1.04	1.05	0.06	14	67.5	0
IPI00005978	Protein PR264	Q01130	1.31	1.03	1.00	1.11	0.17	7	27.1	8.1E-108
IPI00005996	High mobility group AT-hook protein 2	P52926	1.45		0.95	1.20	0.35	6	58.7	0
IPI00006025	Squamous cell carcinoma antigen recognized by T-cells 3	Q15020-1	0.96	1.08	1.04	1.02	0.07	15	21.2	1.4E-162
IPI00006050	Protein FAM115A	Q9Y4C2-1	0.74			0.74		2	4.2	0.005587
IPI00006052	Prefoldin subunit 2	Q9UHV9	1.07	0.98	0.97	1.01	0.05	10	53.9	9.9E-229
IPI00006079	Bcl-2-associated transcription factor 1	Q9NYF8-1	1.19	0.98	0.97	1.05	0.13	13	14.2	5.7E-167
IPI00006092	Phosphomannomutase 2	O15305	0.82	1.02	0.86	0.90	0.10	7	27.2	1.78E-62
IPI00006099	Ribosome assembly protein BMS1 homolog	Q14692		0.75	0.80	0.77	0.03	4	3.7	9.82E-09
IPI00006103	CD2 antigen cytoplasmic tail-binding protein 2	O95400	0.90		1.09	0.99	0.13	4	16.4	2.21E-28
IPI00006113	DNA-directed RNA polymerase II subunit I	P36954		0.91	0.95	0.93	0.03	2	24	8.73E-68
IPI00006142	ARM protein lost in epithelial cancers on chromosome X 2	Q7L311			0.67	0.67		2	6.6	9E-17
IPI00006164	Integrin-linked kinase-associated serine/threonine phosphatase 2C	Q9H0C8	0.94	1.19	1.09	1.07	0.12	9	23	7.97E-67
IPI00006167	Protein phosphatase 1C	O15355	1.03	1.27	1.05	1.12	0.13	10	26.2	6.9E-109
IPI00006176	Hepatocyte growth factor-regulated tyrosine kinase substrate	O14964-1	0.80	1.07	1.07	0.98	0.16	7	10.2	2.37E-62
IPI00006197	Nuclear valosin-containing protein-like	O15381-1	0.82		0.97	0.89	0.11	2	4.1	6.5E-94
IPI00006205	Acetyl-coenzyme A transporter 1	O00400			0.82	0.82		2	3.5	1.89E-20
IPI00006207	GC-binding factor 2	Q32MZ4-2	1.10	0.94	1.06	1.03	0.08	9	17.1	6.6E-247
IPI00006210	Apoptosis inhibitor 4	O15392-1		1.20	1.28	1.24	0.06	3	30.3	3.26E-82
IPI00006211	Vesicle-associated membrane protein-associated protein B/C	O95292-1	1.02	1.06	1.05	1.04	0.02	14	55.1	2.2E-145
IPI00006298	CASP10	Q13427-1		0.87		0.87		2	3.4	4.2E-23

IPI00006378	Coiled-coil domain-containing protein 72	Q9Y2S6	1.15			1.15		2	23.4	0.000229
IPI00006379	Nucleolar protein 5	Q9Y2X3	0.83	0.86	0.86	0.85	0.01	21	38.4	0
IPI00006408	eNOS-interacting protein	Q9Y314	0.82	1.21	1.08	1.03	0.20	9	45.8	2.9E-252
IPI00006440	28S ribosomal protein S7, mitochondrial	Q9Y2R9	0.75	0.84	0.78	0.79	0.05	8	33.1	3.33E-44
IPI00006442	Coilin	P38432	5.24	1.27	1.03	2.51	2.37	8	18.4	2.25E-52
IPI00006451	N-ethylmaleimide-sensitive fusion protein	P46459	0.95	1.13	1.05	1.05	0.09	19	26.7	1.8E-208
IPI00006504	eIF-2B GDP-GTP exchange factor subunit gamma	Q9NR50-1	0.77	0.92	0.82	0.84	0.07	7	18.8	3.12E-37
IPI00006552	BTG1-binding factor 1	Q9UIV1	0.97	1.16	1.03	1.05	0.10	3	12.3	1.23E-27
IPI00006558	Bax-interacting factor 1	Q9Y371-1	0.90		1.12	1.01	0.15	14	29.9	5.9E-115
IPI00006579	Cytochrome c oxidase polypeptide IV	P13073	0.90	0.89	1.03	0.94	0.08	5	25.4	1.98E-21
IPI00006586	Epidermal Langerhans cell protein LCP1	O94842	1.26			1.26		2	4.2	3.16E-12
IPI00006592	Peptide methionine sulfoxide reductase	Q9UJ68		1.08		1.08		2	14	1.25E-10
IPI00006606	28S ribosomal protein S13, mitochondrial	Q9BYN8	1.04	0.91	1.00	0.99	0.07	9	45.9	2.13E-81
IPI00006615	Caseinolytic peptidase B protein homolog	Q9H078-1		0.84	1.04	0.94	0.14	6	12.4	7.99E-58
IPI00006657	Protein FAM20B	O75063		1.20		1.20		2	7.1	5.78E-05
IPI00006658	Parvulin-14	Q9Y237-2	1.47		1.07	1.27	0.29	3	17.3	9.63E-97
IPI00006663	Aldehyde dehydrogenase, mitochondrial	P05091	1.01	1.28	1.29	1.19	0.16	10	26.9	5.6E-144
IPI00006675	ATP-binding cassette sub-family C member 4	O15439-1		1.14		1.14		2	1.4	0.01485
IPI00006713	DnaJ homolog subfamily C member 3	Q13217	1.26	0.91	1.39	1.19	0.25	5	16.1	1.29E-40
IPI00006715	Double-strand-break repair protein rad21 homolog	O60216	1.11	1.14	1.30	1.18	0.10	7	19	2.5E-59
IPI00006723	cDNA FLJ56825, highly similar to WD repeat protein 57	B4DQJ1	0.87	1.03	1.10	1.00	0.12	11	31.3	3.3E-156
IPI00006725	100 kDa U5 snRNP-specific protein	Q9BUQ8	1.17	1.18	1.17	1.18	0.00	14	20.1	3.83E-34
IPI00006754	DDB1- and CUL4-associated factor 7	P61962	0.88	0.62	0.99	0.83	0.19	2	9.4	8.02E-18
IPI00006800	APG5-like	Q9H1Y0-1	1.53	1.09	1.20	1.27	0.23	3	17.1	3.33E-59
IPI00006863	Sperm-associated antigen 7	O75391	1.25	1.26	1.47	1.33	0.12	5	24.2	4.8E-169
IPI00006865	ER-Golgi SNARE of 24 kDa	O75396	0.97	1.05	1.08	1.03	0.06	12	46	0
IPI00006900	Charged amino acid-rich leucine zipper 1	Q9NQZ2	1.01	0.95	0.99	0.98	0.03	7	16.1	2.49E-62
IPI00006904	Cell death regulator Aven	Q9NQS1	1.10		0.91	1.01	0.14	3	14.6	2.01E-73
IPI00006907	Probable fructose-2,6-bisphosphatase TIGAR	Q9NQ88	0.77	1.10	1.02	0.96	0.17	9	38.5	1.9E-178

IPI00006932	Putative RNA-binding protein Luc7-like 2	Q9Y383-1	1.07	1.12	1.06	1.08	0.04	9	23.8	5.08E-50
IPI00006952	Beta-lactamase-like protein 2	Q53H82	0.67	0.98	0.88	0.84	0.15	3	12.8	2.29E-21
IPI00006957	Dehydrogenase/reductase SDR family member 7	Q9Y394-1	0.94	1.13	1.15	1.07	0.12	4	21.5	3.03E-42
IPI00006970	28S ribosomal protein S2, mitochondrial	Q9Y399	0.80	0.80	0.74	0.78	0.04	3	8.8	1.55E-05
IPI00006971	Endosialin	Q9HCU0-1	1.51			1.51		1	1.3	0.00408
IPI00006980	UPF0568 protein C14orf166	Q9Y224	0.85	1.00	0.94	0.93	0.07	16	60.2	1.4E-207
IPI00006987	ATP-dependent RNA helicase DDX24	Q9GZR7	0.76	1.13	0.99	0.96	0.19	9	19.6	6.9E-106
IPI00007001	39S ribosomal protein L11, mitochondrial	Q9Y3B7	0.97	1.00	1.03	1.00	0.03	16	65.1	0
IPI00007004	Ribosomal RNA-processing protein 15	Q9Y3B9	0.80	0.82	0.79	0.80	0.02	6	24.5	4.95E-64
IPI00007019	Peptidyl-prolyl cis-trans isomerase-like 1	Q9Y3C6	0.98	1.07	1.09	1.05	0.06	6	37.3	7.71E-82
IPI00007021	Mediator complex subunit 31	Q9Y3C7	0.96			0.96		1	13	3.8E-168
IPI00007024	Protein FAM96B	Q9Y3D0	1.02	1.17	1.14	1.11	0.08	4	52.1	2.4E-102
IPI00007052	FIS1 homolog	Q9Y3D6	0.93	1.22	1.22	1.12	0.17	3	21.7	4.04E-70
IPI00007057	110 kDa protein	Q9H1K0	1.25			1.25		2	2.9	7.62E-06
IPI00007058	Coronin-1B	Q9BR76	1.09	1.43	1.40	1.31	0.18	12	25.8	2.6E-101
IPI00007063	Hepatoma-derived growth factor 2	Q9Y3E1	1.41		1.10	1.25	0.22	4	17.2	2.31E-30
IPI00007074	Tyrosyl--tRNA ligase	P54577	0.83	0.89	0.84	0.85	0.03	34	58.1	9.7E-239
IPI00007088	Anaphase-promoting complex subunit 10	Q9UM13	0.97	0.97		0.97	0.00	2	14.6	0.000851
IPI00007089	Hairy cell leukemia protein 1	O95478	0.79	1.01	0.99	0.93	0.12	4	16.5	1.8E-09
IPI00007102	cDNA FLJ76436	A8K8F0	1.15	1.28	1.23	1.22	0.07	15	28.4	2.73E-69
IPI00007117	Monocyte Arg-serpin	P05120	0.86	0.71	0.81	0.79	0.07	6	20	5.2E-106
IPI00007118	Endothelial plasminogen activator inhibitor	P05121	0.41	0.36	0.46	0.41	0.05	9	28.1	4.08E-42
IPI00007123	90 kDa ribosomal protein S6 kinase 6	Q9UK32		0.77		0.77		2	3.5	0.00544
IPI00007144	60S ribosomal protein L26-like 1	Q9UNX3	1.11	1.23	1.04	1.12	0.10	14	53.8	9.16E-35
IPI00007146	DNA replication complex GINS protein PSF2	Q9Y248	1.12	1.06	0.69	0.96	0.24	3	18.4	1.13E-19
IPI00007155	ESCRT-I complex subunit VPS28	Q9UK41		1.04		1.04		8	40.3	8.5E-162
IPI00007166	Immediate early response 3-interacting protein 1	Q9Y5U9	1.01		1.16	1.09	0.11	2	34.1	1E-115
IPI00007174	N-acetyltransferase 5	P61599	1.00	1.04	0.98	1.01	0.03	3	20.8	3.58E-31
IPI00007175	60S ribosome subunit biogenesis protein NIP7 homolog	Q9Y221-1		0.78		0.78		2	10.6	0.000995

IPI00007188	Adenine nucleotide translocator 2	P05141	0.77	0.99	0.86	0.87	0.11	16	43.6	4.79E-90
IPI00007208	DEAD box protein 41	Q9UJV9		1.11	1.15	1.13	0.03	3	7.1	2.89E-07
IPI00007253	Protein TRS85 homolog	Q9Y2L5-1		0.43		0.43		2	4	0.000343
IPI00007264	Alpha-crystallin C chain	Q9UJY1		0.99	1.17	1.08	0.13	2	11.2	5.63E-05
IPI00007277	Leucine-rich repeat flightless-interacting protein 2	Q9Y608-1	1.70	1.14	1.06	1.30	0.35	5	9.3	1.65E-67
IPI00007283	DNA-directed RNA polymerase II subunit D	O15514	1.17	1.06	0.97	1.07	0.10	5	54.2	5.01E-72
IPI00007304	Protein ariadne-2 homolog	O95376	1.07	1.21	0.92	1.07	0.14	3	8.9	6.16E-79
IPI00007309	Mitochondrial import inner membrane translocase subunit Tim23	O14925			0.82	0.82		2	12	1.2E-29
IPI00007321	cDNA FLJ60607, highly similar to Acyl-protein thioesterase 1 (EC 3.1.2.-)	B4DJV9	0.83	1.00	0.96	0.93	0.09	5	26.2	1.62E-16
IPI00007334	Apoptotic chromatin condensation inducer in the nucleus	Q9UKV3-1	1.28	1.35		1.32	0.05	14	14.1	5.6E-258
IPI00007346	Peptidyl-prolyl cis-trans isomerase H	O43447	0.98	1.19	1.14	1.10	0.11	8	47.5	6.43E-41
IPI00007401	Importin-8	O15397	0.98	0.99	1.01	1.00	0.02	8	9.3	1.91E-53
IPI00007402	Importin-7	O95373	0.81	0.86	0.89	0.85	0.04	22	26.5	0
IPI00007404	APG7-like	O95352-1	1.00	0.84	1.00	0.95	0.09	4	9.4	1.31E-39
IPI00007423	Acidic leucine-rich nuclear phosphoprotein 32 family member B	Q92688-1	1.03	1.05	1.01	1.03	0.02	13	38.6	6.6E-251
IPI00007426	ADP-ribosylation factor-like protein 6-interacting protein 5	O75915	1.33	1.03	1.26	1.21	0.16	2	16	1.73E-43
IPI00007611	ATP synthase subunit O, mitochondrial	P48047	1.04	0.94	1.01	0.99	0.05	10	57.7	1E-140
IPI00007672	DNA repair protein XRCC4	Q13426-1			0.80	0.80		2	10.4	2.27E-17
IPI00007673	Aging-associated gene 10 protein	Q9Y6H1	1.14	0.94	0.92	1.00	0.12	4	33.8	5.3E-149
IPI00007675	Cytoplasmic dynein 1 light intermediate chain 1	Q9Y6G9	1.08	1.12	0.97	1.06	0.07	16	42.8	1.6E-233
IPI00007676	17-beta-hydroxysteroid dehydrogenase 12	Q53GQ0	0.81	1.05	1.11	0.99	0.16	8	28.2	4.4E-104
IPI00007682	Vacuolar ATPase isoform VA68	P38606	1.12	1.19	1.13	1.15	0.04	17	36.3	0
IPI00007691	Hematopoietic stem/progenitor cell protein 172	Q9Y296	0.95	1.07	1.22	1.08	0.13	7	32.4	9.08E-79
IPI00007694	Protein phosphatase methylesterase 1	Q9Y570-1	0.56	1.00	0.91	0.82	0.23	12	38.9	4.8E-150
IPI00007722	cDNA, FLJ95309, highly similar to Homo sapiens adenosine monophosphate deaminase 2 (isoform L)(AMPD2), mRNA	B2RB47	1.13	1.04	0.94	1.04	0.09	10	12.8	1.25E-50
IPI00007729	Nucleolar protein 7	Q9UMY1-1	0.94	0.92	0.90	0.92	0.02	5	23	1.54E-68



IPI00007752	Tubulin beta-2 chain	P68371	1.07	1.13	1.13	1.11	0.03	34	75.5	0
IPI00007755	Ras-related protein Rab-21	Q9UL25	0.77	1.03	1.04	0.95	0.15	10	41.8	3.8E-181
IPI00007756	Ras-related protein Rab-22A	Q9UL26	1.13	1.20	1.23	1.18	0.05	5	28.9	6.66E-22
IPI00007765	75 kDa glucose-regulated protein	P38646	0.90	0.84	0.89	0.87	0.03	40	52.7	0
IPI00007797	Epidermal-type fatty acid-binding protein	Q01469	0.79	1.00	0.92	0.90	0.11	12	65.9	2.6E-285
IPI00007811	Cell division protein kinase 4	P11802	0.78	0.98	0.97	0.91	0.12	14	56.8	3.6E-120
IPI00007812	Endomembrane proton pump 58 kDa subunit	P21281	1.07	1.10	1.19	1.12	0.06	14	38.2	3E-176
IPI00007814	Vacuolar proton pump subunit C 1	P21283	0.91	1.05	1.07	1.01	0.09	8	23.6	2.35E-58
IPI00007818	Cleavage and polyadenylation specificity factor 73 kDa subunit	Q9UKF6	0.88	1.06	0.94	0.96	0.09	6	10.7	5.54E-16
IPI00007909	PRA1 family protein 1	Q9UI14	0.95			0.95		2	10.3	1.07E-44
IPI00007926	c-Myc-responsive protein Rcl	O43598			0.89	0.89		2	20.1	1.1E-26
IPI00007927	Chromosome-associated protein E	O95347-1	0.98	1.09	1.13	1.07	0.08	52	46.7	0
IPI00007928	220 kDa U5 snRNP-specific protein	Q6P2Q9	0.84	1.05	0.96	0.95	0.11	46	23.3	0
IPI00007935	Enigma homolog	Q96HC4	0.68	1.11	0.92	0.90	0.22	19	39.3	0
IPI00007940	cDNA, FLJ96656, highly similar to Homo sapiens SPFH domain family, member 1 (SPFH1), mRNA	B2RDK6	0.95	1.22	1.17	1.11	0.14	11	33	1.7E-135
IPI00007941	Cardiac lineage protein 1	O94992	1.48		1.33	1.40	0.11	3	10.3	1.08E-64
IPI00007943	Associated molecule with the SH3 domain of STAM	O95630	0.84			0.84		2	6.6	0.011023
IPI00007948	DNA-directed RNA polymerase III subunit C	Q9BU14			1.11	1.11		2	6.7	2.75E-12
IPI00007956	Thioredoxin-binding protein 2	Q9H3M7	2.15			2.15		2	7.2	4.42E-09
IPI00008034	Ras-related protein Rab-23	Q9ULC3	0.95	1.17	1.15	1.09	0.13	9	55.3	1.5E-116
IPI00008164	Post-proline cleaving enzyme	P48147	1.23	1.12	1.10	1.15	0.07	14	28.2	0
IPI00008167	Sodium/potassium-dependent ATPase subunit beta-3	P54709	1.07	1.10	1.06	1.07	0.02	8	30.5	4.04E-84
IPI00008207	Endoplasmic reticulum mannosyl-oligosaccharide 1,2-alpha-mannosidase	Q9UKM7	0.88			0.88		2	6.4	7.95E-07
IPI00008215	Malic enzyme 1	P48163	0.87	1.33	1.26	1.16	0.25	7	16.6	6.12E-22
IPI00008219	UV excision repair protein RAD23 homolog A	P54725	1.30	1.00	1.05	1.12	0.16	5	24.5	3.7E-123
IPI00008223	UV excision repair protein RAD23 homolog B	P54727	1.35	1.01	1.07	1.14	0.18	16	44.3	1.1E-177
IPI00008234	NADH-cytochrome b5 reductase 2	Q6BCY4-1	1.43	1.04	1.20	1.22	0.20	6	26.4	1.65E-12
IPI00008240	Methionine--tRNA ligase	P56192	0.82	0.99	0.88	0.90	0.09	28	38.6	0

IPI00008247	Anaphase-promoting complex subunit 5	Q9UJX4-1			0.77	0.77		1	2.4	1.44E-28
IPI00008248	Anaphase promoting complex subunit 7	A5D8X2	0.72	0.97	0.98	0.89	0.15	3	7.2	2.22E-31
IPI00008274	Adenylyl cyclase-associated protein 1	Q01518-1	1.04	1.07	1.08	1.06	0.02	32	62.5	0
IPI00008380	Replication protein C	P67775	0.86	1.14	0.96	0.99	0.14	16	58.3	0
IPI00008418	Diablo homolog, mitochondrial	Q9NR28-1	1.09	0.98	0.99	1.02	0.06	7	22.5	2.95E-60
IPI00008422	ATP-dependent helicase 1	Q9H4L7-2	0.72	0.99	0.81	0.84	0.13	2	3.6	8.21E-39
IPI00008433	40S ribosomal protein S5	P46782	0.82	0.91	0.87	0.87	0.05	13	45.1	0
IPI00008437	Probable ribosome biogenesis protein RLP24	Q9UHA3	0.80			0.80		3	22.1	7.58E-20
IPI00008438	40S ribosomal protein S10	P46783	0.89	0.88	0.88	0.88	0.01	16	61.8	2.2E-201
IPI00008454	APOBEC1-binding protein 2	Q9UBS4	1.25	1.00	1.10	1.12	0.13	10	30.4	4E-268
IPI00008475	HMG-CoA synthase	Q01581	4.78	3.13	4.39	4.10	0.86	11	32.7	2.3E-157
IPI00008485	Citrate hydro-lyase	P21399	1.11	1.34	1.35	1.27	0.14	23	31.6	0
IPI00008524	Polyadenylate-binding protein 1	P11940-1	0.84	0.90	0.89	0.88	0.03	35	57.9	0
IPI00008527	60S acidic ribosomal protein P1	P05386	0.97	0.75	0.82	0.85	0.11	2	51.8	1.7E-102
IPI00008529	60S acidic ribosomal protein P2	P05387	0.96	0.84	0.82	0.87	0.07	10	80.9	0
IPI00008530	60S acidic ribosomal protein P0	P05388	0.83	0.86	0.88	0.86	0.02	14	51.4	3.3E-233
IPI00008531	Protein CoREST	Q9UKL0			1.09	1.09		2	5.8	7.51E-32
IPI00008536	Glioma-amplified sequence 41	O95619			0.96	0.96		2	9.7	3.9E-09
IPI00008542	F-box only protein 28	Q9NVF7	0.96			0.96		2	6.5	3.91E-29
IPI00008552	Glutaredoxin-3	O76003	0.89	0.96	0.91	0.92	0.04	7	26.9	3.12E-39
IPI00008557	Coding region determinant-binding protein	Q9NZI8	0.99	1.00	1.01	1.00	0.01	16	35.4	0
IPI00008569	Synaptobrevin homolog YKT6	O15498	0.96	1.14	1.11	1.07	0.09	7	38.9	1.31E-72
IPI00008575	GAP-associated tyrosine phosphoprotein p62	Q07666-1	1.10	1.08	1.11	1.10	0.02	10	28.4	4.1E-119
IPI00008599	3-beta-hydroxysteroid-delta(8),delta(7)-isomerase	Q15125	1.36			1.36		2	9.6	5.71E-23
IPI00008613	Interferon-induced 35 kDa protein	P80217-1	1.35	1.32	1.35	1.34	0.02	5	21.9	1.09E-17
IPI00008708	CATX-11	O76021	0.87	0.87	0.86	0.87	0.01	28	50.8	0
IPI00008711	Wolfraamin	O76024			0.68	0.68		2	3.1	4.46E-07
IPI00008726	Iron regulatory protein 2	P48200		1.38		1.38		3	3.6	1.69E-10
IPI00008728	ATP-dependent Clp protease ATP-binding subunit clpX-like, mitochondrial	O76031		1.04	0.91	0.98	0.09	9	15.5	5.44E-40

IPI00008750	Metallothionein-0	P80294	0.67	0.65		0.66	0.01	2	32.8	4.21E-16
IPI00008752	Metallothionein-1G	P13640-1		0.62	0.61	0.62	0.00	3	33.9	1.43E-24
IPI00008770	Glutathione S-transferase Mu 4	Q03013-1		1.18	1.01	1.10	0.12	12	49.5	1.5E-187
IPI00008791	Probable cytosolic iron-sulfur protein assembly protein CIAO1	O76071	0.88	1.21	1.05	1.05	0.17	3	15	6.58E-75
IPI00008800	Myc-associated zinc finger protein	P56270	1.03	0.77	0.93	0.91	0.13	2	6.8	1.14E-25
IPI00008833	Jumping translocation breakpoint protein	O76095		1.11		1.11		1	8.9	0.010297
IPI00008868	MAP1 light chain LC1	P46821	0.96	1.09	1.17	1.08	0.11	33	23	0
IPI00008918	Epithelial protein lost in neoplasm	Q9UHB6-1	0.94	1.10	1.07	1.04	0.09	24	42.4	0
IPI00008943	ATP-dependent RNA helicase DDX19B	Q9UMR2-1		1.50	1.41	1.46	0.06	9	18.4	1.8E-109
IPI00008961	Telomeric repeat-binding factor 2-interacting protein 1	Q9NYB0		1.28	1.23	1.25	0.03	2	11.8	1.85E-64
IPI00008964	Ras-related protein Rab-1B	Q9H0U4	1.01	1.12	1.21	1.11	0.10	15	75.1	8.2E-269
IPI00008965	Activator protein 1	P05412	0.90	1.06		0.98	0.11	4	15.4	1.06E-79
IPI00008982	Aldehyde dehydrogenase family 18 member A1	P54886-1	0.84	0.98	0.95	0.92	0.07	24	36.1	1.8E-166
IPI00008991	Down-regulator of transcription 1	Q01658	1.06	1.17	1.04	1.09	0.07	4	17.6	2.49E-09
IPI00008998	Butyrate-induced protein 1	Q9P035	1.20		0.71	0.96	0.35	2	5.8	3.29E-10
IPI00009009	Protein CWC15 homolog	Q9P013	1.25	1.03	1.01	1.10	0.13	6	28.4	1.43E-85
IPI00009010	TRM112-like protein	Q9UI30	0.75	1.02	1.00	0.92	0.15	5	49.6	7.99E-85
IPI00009032	La autoantigen	P05455	1.06	1.05	1.07	1.06	0.01	31	56.1	0
IPI00009057	GAP SH3 domain-binding protein 2	Q9UN86-1	1.03	1.01	1.12	1.05	0.06	11	28.2	8.8E-156
IPI00009070	ERFS	Q9Y450-1	1.22	0.80	0.93	0.98	0.21	8	18.4	8.8E-119
IPI00009104	48 kDa TATA box-binding protein-interacting protein	Q9Y230	0.92	0.94	0.95	0.94	0.01	25	56.4	0
IPI00009111	ST4 oncofetal antigen	Q13641	1.70	1.65	1.89	1.75	0.12	4	14	4.7E-182
IPI00009123	DNA-binding protein NEFA	P80303-1	1.20	1.04	1.10	1.11	0.08	5	15.5	6.3E-119
IPI00009137	Cleavage and polyadenylation specificity factor 30 kDa subunit	O95639-1		1.14	0.96	1.05	0.12	5	21.9	5.35E-72
IPI00009146	Protein FLN29	O14545		1.24	0.89	1.06	0.25	3	5.8	2.32E-49
IPI00009148	Diadenosine 5,5'-P1,P6-hexaphosphate hydrolase 1	O95989	1.11	0.99	1.20	1.10	0.10	4	23.3	2.93E-29
IPI00009210	Dual specificity protein phosphatase 12	Q9UNI6	0.85	1.19	0.99	1.01	0.17	4	13.8	3.9E-14

IPI00009225	Syntaxin-8	Q9UNK0	1.09	1.08	1.08	1.09	0.01	6	39	1.7E-136
IPI00009236	Caveolin-1	Q03135-1	1.26	1.04	1.41	1.24	0.19	7	44.9	1.3E-103
IPI00009253	Alpha-soluble NSF attachment protein	P54920	0.87	1.16	1.14	1.06	0.16	16	64.4	5.4E-234
IPI00009274	Coatomer subunit zeta-2	Q9P299			1.09	1.09		1	9	7.5E-204
IPI00009276	Activated protein C receptor	Q9UNN8		0.73	1.01	0.87	0.20	2	9.5	7.48E-54
IPI00009286	ALL-1	Q03164-1	1.40	0.95	0.51	0.95	0.44	2	1.1	3.18E-22
IPI00009301	COP9 signalosome complex subunit 7b	Q9H9Q2-1	1.08	1.05	1.10	1.08	0.02	5	20.5	1.5E-100
IPI00009305	Glucosamine-6-phosphate deaminase 1	P46926	1.07	1.26	1.24	1.19	0.11	7	23.5	2.26E-85
IPI00009315	Acyl-CoA-binding domain-containing protein 3	Q9H3P7	0.98	1.03	0.99	1.00	0.03	9	29.4	1E-283
IPI00009316	Cyclophilin E	Q9UNP9-1			1.16	1.16		5	19.6	4.95E-18
IPI00009328	ATP-dependent RNA helicase DDX48	P38919	1.06	1.11	1.17	1.11	0.05	21	38.4	8.8E-173
IPI00009329	Dystrophin-related protein 1	P46939	0.99	1.15	1.15	1.10	0.09	24	11.4	7.9E-264
IPI00009335	Brain protein 16	Q9BTY7	0.73	0.73	0.70	0.72	0.02	6	19.5	8.72E-21
IPI00009342	p195	P46940	1.08	1.18	1.26	1.17	0.09	48	37.9	0
IPI00009365	Cytochrome c oxidase assembly protein COX16 homolog, mitochondrial	Q9P0S2		0.77	0.63	0.70	0.09	1	13.2	2.02E-16
IPI00009368	Sideroflexin-1	Q9H9B4	0.81	0.86	0.92	0.86	0.06	8	30.4	1.25E-86
IPI00009373	Chromatin modification-related protein MEAF6	Q9HAF1-3		1.18		1.18		1	6.5	0.004385
IPI00009374	GSK3-beta interaction protein	Q9P0R6	0.93			0.93		2	15.1	1.16E-08
IPI00009407	Defender against cell death 1	P61803	0.81	0.99	1.02	0.94	0.11	3	26.5	6.28E-28
IPI00009456	5-nucleotidase	P21589	0.80	1.49	1.25	1.18	0.35	7	16	7.97E-76
IPI00009464	Autoantigen PM/Scl 2	Q01780-1	0.86	1.32	1.05	1.08	0.23	15	23.4	6.9E-174
IPI00009471	WD repeat-containing protein 3	Q9UNX4	0.85	0.97	0.86	0.89	0.07	8	14.6	5.12E-41
IPI00009480	COP9 homolog	Q99627	1.00	0.99	1.03	1.01	0.02	5	34.9	3.2E-188
IPI00009505	59 kDa dystrophin-associated protein A1 basic component 2	Q13425-1		0.80	1.42	1.11	0.44	3	9.6	9.07E-19
IPI00009542	11B6	Q9UNF1-1	0.99	1.61	1.38	1.32	0.32	18	36	0
IPI00009607	Ras-related protein Rap-2c	Q9Y3L5	1.09	1.12	1.01	1.07	0.06	5	34.4	1.76E-40
IPI00009634	Sulfide:quinone oxidoreductase, mitochondrial	Q9Y6N5		1.74		1.74		2	7.8	0.002489
IPI00009659	Cell cycle-related and expression-elevated protein in tumor	Q9NQG5	1.03	1.10	1.11	1.08	0.04	12	44.8	0
IPI00009668	Centromere protein H	Q9H3R5	1.06	1.00		1.03	0.04	2	14.2	1.27E-88

IPI00009680	39S ribosomal protein L44, mitochondrial	Q9H9J2	0.92	0.99	1.04	0.98	0.06	8	26.2	3.6E-121
IPI00009688	1-phosphatidylinositol-5-phosphate 4-kinase 2-alpha	P48426	1.10	0.84		0.97	0.18	3	7.4	7.99E-30
IPI00009700	Rab-like protein 5	Q9H7X7-1	1.01			1.01		2	13.5	0.008085
IPI00009726	Nicotinamide mononucleotide adenylyltransferase 1	Q9HAN9		1.44		1.44		4	16.1	3.91E-07
IPI00009737	Ras-related GTP-binding protein D	Q9NQL2-1		1.46		1.46		2	5.2	0.007831
IPI00009747	Lanosterol cyclase	P48449	1.69	1.66	1.63	1.66	0.03	16	27.2	5.9E-100
IPI00009771	Lamin-B2	Q03252	1.27	1.05	1.12	1.14	0.11	43	62.7	0
IPI00009790	6-phosphofructokinase type C	Q01813	0.87	1.04	0.98	0.96	0.09	25	36.1	0
IPI00009803	CD49 antigen-like family member D	P13612	1.05	1.18	1.02	1.08	0.08	2	1.7	7.12E-05
IPI00009805	Homologous-pairing protein 2 homolog	Q9P2W1-1	1.01		1.28	1.15	0.20	2	13.8	2.37E-53
IPI00009822	Signal recognition particle 54 kDa protein	P61011	0.92	1.11	0.97	1.00	0.09	14	35.7	0
IPI00009841	cDNA FLJ31747 fis, clone NT2RI2007377, highly similar to RNA-BINDING PROTEIN EWS	Q96MX4	1.33	0.99	0.99	1.10	0.20	5	10.9	7E-189
IPI00009885	19 kDa FK506-binding protein	Q9NYL4	0.93	1.00	1.08	1.00	0.07	4	14.4	2.83E-62
IPI00009896	Epoxide hydratase	P07099	1.18	1.37	1.34	1.30	0.10	4	15.6	2.96E-35
IPI00009901	Nuclear transport factor 2	P61970	0.90	1.12	1.10	1.04	0.12	5	56.7	1.74E-61
IPI00009904	Endoplasmic reticulum resident protein 70	P13667	1.10	1.09	1.22	1.14	0.07	35	51.9	1.1E-293
IPI00009906	ARM protein lost in epithelial cancers on chromosome X 3	Q9UH62	0.99	1.23	1.40	1.21	0.20	6	19.5	2.86E-86
IPI00009908	ARM protein lost in epithelial cancers on chromosome X 1	Q9P291	1.31		1.24	1.27	0.05	2	7.9	3.22E-15
IPI00009922	SRA stem-loop-interacting RNA-binding protein, mitochondrial	Q9GZT3	0.80	0.81	0.80	0.80	0.00	8	68.8	2E-75
IPI00009923	Procollagen-proline,2-oxoglutarate-4-dioxygenase subunit alpha-1	P13674-1	1.35	1.08		1.21	0.19	20	41.4	9.4E-298
IPI00009943	Tumor protein, translationally-controlled 1	Q5W0H4	0.72	0.75	0.76	0.74	0.02	11	70.7	1.3E-130
IPI00009946	Mitochondrial import receptor subunit TOM34	Q15785	0.82	1.04	0.89	0.92	0.11	13	58.3	0
IPI00009949	Proteasome inhibitor PI31 subunit	Q92530	1.00	1.08	0.94	1.01	0.07	6	38	1.35E-46
IPI00009950	Glycoprotein GP36b	Q12907	1.01	1.26	1.44	1.24	0.22	5	12.9	8.5E-18
IPI00009958	COP9 signalosome complex subunit 5	Q92905	0.96	1.11	1.11	1.06	0.09	8	26.3	2.76E-66
IPI00009960	Cell proliferation-inducing gene 4/52 protein	Q16891-1	0.93	0.96	1.00	0.97	0.03	29	40.4	0

IPI00009976	Interleukin-1 receptor-like 1 ligand	Q13445	1.20	1.08	1.24	1.17	0.09	4	22	2.05E-35
IPI00010080	Oxidative stress-responsive 1 protein	O95747	1.09	1.24	1.19	1.17	0.07	11	25.8	2.2E-190
IPI00010090	Gamma-ECS regulatory subunit	P48507	0.76	1.05	0.95	0.92	0.15	6	28.8	9.5E-127
IPI00010105	B(2)GCN homolog	P56537	0.88	1.07	0.96	0.97	0.10	8	50.6	1.2E-229
IPI00010130	Glutamate decarboxylase	P15104	0.54	0.91	0.63	0.70	0.19	3	12.9	6.32E-65
IPI00010133	Coronin-1A	P31146	1.76	1.35	0.92	1.34	0.42	7	21	7.66E-35
IPI00010136	C-terminal-binding protein 2	P56545-2	0.88	1.04	1.07	0.99	0.10	8	7.4	1.55E-12
IPI00010141	Arsenic-transactivated protein	Q9NRF9	1.03		1.10	1.07	0.05	7	49	5.95E-80
IPI00010153	60S ribosomal protein L17	P62829	0.96	0.95	0.83	0.91	0.07	7	52.1	9.4E-181
IPI00010154	Guanosine diphosphate dissociation inhibitor 1	P31150	0.94	1.09	1.10	1.04	0.09	16	43.2	3.2E-249
IPI00010157	Methionine adenosyltransferase 2	P31153	0.83	0.92	0.90	0.88	0.05	16	38.5	1.2E-141
IPI00010158	Chromatin accessibility complex 15 kDa protein	Q9NRG0	1.09		1.18	1.14	0.06	2	19.8	6.81E-46
IPI00010190	2,4-dienoyl-CoA reductase 2	Q9NUI1-1	0.90	1.48	1.00	1.13	0.31	2	9.2	9.52E-05
IPI00010201	cDNA FLJ56327, highly similar to 26S proteasome non-ATPase regulatory subunit 8	B4DX18	0.89	1.03	1.02	0.98	0.08	9	28.3	2E-40
IPI00010204	Pre-mRNA-splicing factor SRP20	P84103	1.10	1.00	0.94	1.02	0.08	13	49.4	9.5E-203
IPI00010207	Ubiquitin-fold modifier 1	P61960	0.84	1.01	0.98	0.94	0.09	2	27.1	2.14E-10
IPI00010219	Kinetochore protein Spc25	Q9HBM1	1.23	1.24	1.23	1.23	0.00	7	39.7	1.5E-153
IPI00010232	Peroxin-3	P56589		1.08	0.63	0.85	0.32	2	7.5	0.00472
IPI00010244	28S ribosomal protein S11, mitochondrial	P82912-1	0.74		0.96	0.85	0.16	4	22.2	2.49E-74
IPI00010252	E3 ubiquitin-protein ligase TRIM33	Q9UPN9-1	1.43	1.09	0.97	1.16	0.24	4	3.3	1.21E-17
IPI00010270	GX	P15153	0.91	1.10	1.05	1.02	0.10	10	54.7	8E-137
IPI00010278	28S ribosomal protein S30, mitochondrial	Q9NP92	1.04	0.93	0.93	0.97	0.06	3	14.6	1.8E-102
IPI00010320	Chromobox protein homolog 1	P83916	1.19			1.19		12	45.9	0
IPI00010346	Angiotensin-binding protein	Q9BYT8	0.77	0.98	0.97	0.91	0.12	8	14.8	4.02E-51
IPI00010348	Acid DNase	O00115		1.07		1.07		2	5.3	3.39E-05
IPI00010349	Aging-associated gene 5 protein	O00116	0.80	0.92	0.97	0.90	0.09	15	30.1	6.1E-265
IPI00010388	Centromere protein B	P07199	1.39		1.38	1.38	0.01	2	4	3.43E-10
IPI00010400	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase beta-3	Q01970	1.11	1.14	0.91	1.05	0.12	9	11.8	1.8E-232
IPI00010402	Putative uncharacterized protein	Q86Z22	1.02	1.17	1.13	1.11	0.08	6	18.1	7.2E-114

IPI00010404	Pre-mRNA-splicing factor SF3b 10 kDa subunit	Q9BWJ5	1.09	0.96	0.93	0.99	0.08	3	45.3	4.53E-52
IPI00010414	C-terminal LIM domain protein 1	O00151	1.07	0.99	0.97	1.01	0.05	17	64.4	1.5E-217
IPI00010415	Acyl-CoA thioesterase 7	O00154-1	0.99	1.05	0.99	1.01	0.03	16	40.5	0
IPI00010427	Transmembrane protein 93	Q9BV81	0.91	0.93		0.92	0.02	2	20	0.000113
IPI00010428	Cell division cycle-associated protein 3	Q99618	1.36			1.36		3	23.9	6.63E-79
IPI00010438	Synaptosomal-associated protein 23	O00161-1	1.29	1.17	1.10	1.19	0.10	11	65.9	0
IPI00010460	Aryl-hydrocarbon receptor interacting protein	A3RDR9		1.31		1.31		1	26.5	7.99E-33
IPI00010463	GTP-binding protein 1	O00178	0.95	1.10	1.17	1.07	0.11	4	12.7	2.68E-26
IPI00010544	Protein incorporated later into tight junctions	Q5JTD0-1			1.02	1.02		2	4.7	0.002778
IPI00010586	Androgen receptor coactivator 160 kDa protein	P82094-2	0.97	1.15	1.10	1.07	0.09	3	4	5.63E-24
IPI00010676	Monocyte activation antigen Mo3	Q03405-1	0.48	0.48	0.50	0.49	0.01	4	18.2	4.2E-14
IPI00010700	HLA-B-associated transcript 2	P48634-1	1.52	0.89	0.82	1.08	0.38	11	9.6	1.26E-80
IPI00010706	Glutathione synthase	P48637	1.07	1.19	1.09	1.12	0.06	11	27.6	4.8E-132
IPI00010717	Mevalonate kinase	Q03426			2.04	2.04		2	10.4	5.1E-15
IPI00010720	CCT-epsilon	P48643	0.86	0.98	0.95	0.93	0.06	32	58.2	1.5E-288
IPI00010740	100 kDa DNA-pairing protein	P23246-1	1.09	0.92	0.92	0.98	0.10	33	40.6	0
IPI00010779	TM30p1	P67936-1	1.00	0.96	1.00	0.98	0.02	42	86.3	0
IPI00010796	Cellular thyroid hormone-binding protein	P07237	1.22	1.06	1.15	1.15	0.08	38	70.3	0
IPI00010800	Nestin	P48681	1.38	0.92	1.26	1.19	0.24	3	2	0.000653
IPI00010810	Electron transfer flavoprotein subunit alpha, mitochondrial	P13804	0.89	1.01	1.05	0.99	0.08	12	48.3	2.8E-215
IPI00010833	Transcription factor ZBP-89	Q9UQR1	1.38	0.76		1.07	0.44	2	4.7	2.43E-54
IPI00010845	Complex I-23kD	O00217	1.03	0.97	1.03	1.01	0.04	4	17.6	4.6E-147
IPI00010860	26S proteasome non-ATPase regulatory subunit 9	O00233-1	1.12	1.00	1.05	1.06	0.06	11	50.7	6.4E-161
IPI00010863	Copper transport protein ATOX1	O00244	1.15		1.07	1.11	0.06	4	45.6	9.83E-08
IPI00010882	DNA fragmentation factor 45 kDa subunit	O00273-1		0.90	0.89	0.89	0.01	7	26.6	2.32E-90
IPI00010896	Chloride channel ABP	O00299	0.96	1.10	1.07	1.04	0.07	17	77.2	0
IPI00010948	Acid finger protein	Q12899	1.09	1.33	1.15	1.19	0.12	3	9.1	8.87E-24
IPI00011069	Uracil-DNA glycosylase	P13051-1	1.01	0.95		0.98	0.04	2	17.3	5.42E-23
IPI00011102	Casein kinase I isoform delta	P48730-1		1.51	1.13	1.32	0.27	3	9.4	9.37E-13

IPI00011107	ICD-M	P48735	0.82	1.34	1.40	1.19	0.32	10	27	9.4E-31
IPI00011115	Basic transcription element-binding protein 4	Q9BXX1	0.83	0.87	0.92	0.87	0.04	3	21.4	4.9E-181
IPI00011118	Putative uncharacterized protein RRM2	C9JXC1	1.13	1.66	1.47	1.42	0.27	12	30.3	5.8E-141
IPI00011126	26S protease regulatory subunit 4	P62191	1.00	1.01	1.05	1.02	0.03	23	48.4	0
IPI00011200	D-3-phosphoglycerate dehydrogenase	O43175	0.93	1.07	1.12	1.04	0.10	18	45.8	0
IPI00011201	Malic enzyme 2	P23368	0.83	0.94	0.92	0.90	0.06	10	27.1	3.56E-84
IPI00011209	BTB/POZ domain-containing protein KCTD10	Q9H3F6-1	0.69	1.40		1.05	0.50	2	6.5	4.09E-05
IPI00011217	Complex I-18 kDa	O43181			1.08	1.08		2	14.9	1.83E-08
IPI00011229	Cathepsin D	P07339	0.91	0.94	1.07	0.97	0.09	11	32.5	7E-158
IPI00011250	Ubiquitin carboxyl-terminal hydrolase isozyme L3	P15374	0.93	0.96	0.96	0.95	0.01	8	50.9	5E-172
IPI00011253	40S ribosomal protein S3	P23396	0.82	0.85	0.85	0.84	0.02	22	77.8	8.2E-303
IPI00011268	Autoantigen p542	Q9UKM9-1	1.16	1.09	1.12	1.12	0.04	19	58	5E-208
IPI00011274	AU-rich element RNA-binding factor	O14979-1	1.08	0.93	0.96	0.99	0.08	12	26.7	4.1E-176
IPI00011276	2-oxoisovalerate dehydrogenase subunit beta, mitochondrial	P21953	0.88		1.26	1.07	0.27	2	8.2	2.68E-27
IPI00011284	Catechol O-methyltransferase	P21964-1	0.98	1.13	1.09	1.07	0.08	6	25.5	5.91E-64
IPI00011285	Calcium-activated neutral proteinase 1	P07384	1.14	1.32	1.24	1.23	0.09	22	36.4	3.3E-183
IPI00011302	1F5 antigen	P13987	1.11	1.00	1.08	1.07	0.06	6	28.1	6E-121
IPI00011307	Bifunctional methylenetetrahydrofolate dehydrogenase/cyclohydrolase, mitochondrial	P13995	0.68	0.68	0.75	0.71	0.04	6	24.3	3.15E-81
IPI00011416	Delta(3,5)-Delta(2,4)-dienoyl-CoA isomerase, mitochondrial	Q13011	0.95	1.10	1.12	1.06	0.10	9	33.2	7.6E-122
IPI00011454	Alpha-glucosidase 2	Q14697-2	1.10	1.06	1.13	1.10	0.04	47	52.9	0
IPI00011461	Cell cycle autoantigen SG2NA	Q13033-1			1.01	1.01		3	3.9	3.95E-12
IPI00011488	Mammalian STE20-like protein kinase 1	Q13043-1	0.80	0.94	0.86	0.87	0.07	5	13.8	2.35E-40
IPI00011511	Cat eye syndrome critical region protein 5	Q9BXW7-1	1.30	0.80	0.83	0.97	0.28	7	20.3	3.97E-37
IPI00011528	CF-1 50 kDa subunit	Q05048	0.81	1.08	3.24	1.71	1.33	4	10.2	2.5E-22
IPI00011590	Fos-related antigen 1	P15407	0.87		0.80	0.83	0.05	2	11.4	5.36E-08
IPI00011592	Cytoplasmic dynein 1 light intermediate chain 2	O43237	0.95	1.29	0.99	1.08	0.18	6	15.9	4.73E-96
IPI00011603	26S proteasome non-ATPase regulatory subunit 3	O43242	1.10	0.95	1.02	1.02	0.07	26	48.7	0



IPI00011604	Glycine cleavage system H protein, mitochondrial	P23434	1.02	0.94		0.98	0.06	1	5.8	0.000149
IPI00011609	E6AP ubiquitin-protein ligase	Q05086-1	0.79	1.02	0.93	0.91	0.12	5	6.7	3E-103
IPI00011619	3-phosphoadenosine-5-phosphosulfate synthase	O43252	1.04	1.26	1.18	1.16	0.11	12	23.9	6.4E-144
IPI00011631	Centromere/kinetochore protein zw10 homolog	O43264	0.91	0.96	0.89	0.92	0.04	10	18.9	8.3E-172
IPI00011675	Lysp100b	P23497-1		0.94	1.22	1.08	0.20	6	5.3	1.29E-10
IPI00011676	Neural Wiskott-Aldrich syndrome protein	O00401	2.09		1.24	1.67	0.60	4	18	7.67E-59
IPI00011689	Calcium/calmodulin-dependent eukaryotic elongation factor 2 kinase	O00418		0.93		0.93		2	4.1	0.000112
IPI00011698	18 kDa Sin3-associated polypeptide	O00422	1.11	1.17	1.22	1.17	0.06	6	27.9	2.5E-156
IPI00011702	Uncharacterized protein KIAA0406	O43156	0.88	1.14	1.09	1.04	0.14	3	5.1	1.48E-17
IPI00011736	Phosphatidylinositol 3-kinase 85 kDa regulatory subunit beta	O00459	1.97	1.32	1.28	1.52	0.39	4	11.7	1.34E-25
IPI00011770	Complex I-MLRQ	O00483	0.75	0.98	1.03	0.92	0.15	3	37	1.2E-14
IPI00011857	Chromatin assembly factor 1 subunit B	Q13112	1.00	1.23	1.19	1.14	0.12	8	22.2	2.17E-70
IPI00011876	cDNA FLJ59758, highly similar to S-methyl-5-thioadenosine phosphorylase (EC 2.4.2.28)	B4DUC8	0.91	1.13	1.09	1.04	0.11	15	54	0
IPI00011898	eIF-2B GDP-GTP exchange factor subunit epsilon	Q13144	0.81	1.03	1.01	0.95	0.12	6	10.3	1E-49
IPI00011913	Heterogeneous nuclear ribonucleoprotein A0	Q13151	1.09	1.06	1.14	1.10	0.04	11	42	1.2E-216
IPI00011919	FAS-associated death domain protein	Q13158		1.10	1.02	1.06	0.05	4	23.6	3.73E-82
IPI00011937	Antioxidant enzyme AOE372	Q13162	1.04	1.06	1.05	1.05	0.01	14	65.3	4.8E-190
IPI00011970	17-beta-hydroxysteroid dehydrogenase 7	P56937-1		1.25		1.25		2	6.2	0.000657
IPI00011996	Uba6-specific E2 conjugating enzyme 1	Q9H832-1	0.99	1.12	1.25	1.12	0.13	5	13.8	2.09E-58
IPI00012007	Adenosylhomocysteinase	P23526	0.88	1.03	0.99	0.97	0.08	20	40	9.1E-201
IPI00012011	18 kDa phosphoprotein	P23528	0.98	1.20	1.17	1.12	0.12	25	85.5	0
IPI00012066	cDNA FLJ77432, highly similar to Homo sapiens poly(rC) binding protein 2 (PCBP2), transcript variant 2, mRNA	A8K7X6	0.98	1.14	1.11	1.07	0.08	15	52.5	0
IPI00012069	Azoreductase	P15559	0.81	1.66	1.99	1.49	0.61	9	25.9	8.18E-82
IPI00012074	Heterogeneous nuclear ribonucleoprotein R	O43390-1	1.09	1.04	1.10	1.08	0.03	27	44.5	0
IPI00012079	Eukaryotic translation initiation factor 4B	P23588	1.10	0.86	0.85	0.94	0.15	19	32.8	6.6E-294
IPI00012149	M phase phosphoprotein 10	O00566	1.15	0.89	0.90	0.98	0.14	10	22.5	1.5E-106
IPI00012197	dCTP pyrophosphatase 1	Q9H773	1.04	0.89	0.87	0.93	0.09	7	47.6	5.1E-115

IPI00012198	Uncharacterized protein C1orf50	Q9BV19			0.90	0.90		1	8	1.84E-42
IPI00012199	Coiled-coil domain-containing protein 86	Q9H6F5	0.87	0.69	0.67	0.74	0.11	5	20.6	2.01E-17
IPI00012202	Androgen receptor cofactor p44	Q9BQA1	0.78	1.01	0.81	0.87	0.13	7	22.5	4.8E-126
IPI00012215	UPF0184 protein C9orf16	Q9BUW7	0.47			0.47		2	30.1	3.68E-06
IPI00012268	26S proteasome non-ATPase regulatory subunit 2	Q13200	0.81	0.94	0.91	0.89	0.07	37	47.7	0
IPI00012315	DR-nm23	Q13232	1.19	1.24		1.21	0.03	2	16	6.57E-59
IPI00012340	Pre-mRNA-splicing factor SRp30C	Q13242	0.91	0.93	0.92	0.92	0.01	16	61.1	4.8E-99
IPI00012341	Delayed-early protein HRS	Q13243-1	1.23	1.06	1.13	1.14	0.08	7	25.4	3.7E-71
IPI00012345	Pre-mRNA-splicing factor SRP55	Q13247-1	1.10	0.99	1.02	1.04	0.06	13	33.4	5.95E-65
IPI00012347	Adhesion protein with leucine-rich repeats and immunoglobulin domains related to perlecan	Q9NR99			0.84	0.84		1	0.7	0.01653
IPI00012369	Mitotic arrest deficient 2-like protein 1	Q13257	0.92	1.04	1.06	1.01	0.07	8	32.2	4.88E-91
IPI00012382	U1 small nuclear ribonucleoprotein A	P09012	1.22	1.06	1.07	1.12	0.09	7	29.4	6.58E-76
IPI00012426	Retinoid-inducible serine carboxypeptidase	Q9HB40-1	0.82	0.79	0.77	0.80	0.02	3	7.1	3.7E-09
IPI00012440	Alpha-L-fucoside fucohydrolase 2	Q9BTY2			1.21	1.21		2	6.9	4.95E-18
IPI00012442	ATP-dependent DNA helicase VIII	Q13283	1.03	0.85	0.90	0.92	0.09	19	53.4	0
IPI00012443	Acidic fibroblast growth factor intracellular-binding protein	O43427-1	0.71	1.09		0.90	0.27	3	10.7	1.34E-06
IPI00012451	Guanine nucleotide-binding protein subunit beta-4	Q9HAV0	1.16	1.49	1.29	1.31	0.16	8	26.5	2.86E-61
IPI00012462	Putative uncharacterized protein EIF2A	C9JWR7	0.86	1.00		0.93	0.10	17	42	1.4E-173
IPI00012490	Matrix-remodeling-associated protein 1	P23634-1	1.19	1.04	1.09	1.11	0.08	18	17.4	3.6E-242
IPI00012497	Beta-adrenergic receptor kinase 1	P25098	1.38		1.14	1.26	0.17	4	6.7	2.41E-36
IPI00012512	Ras-like protein TC21	P62070	1.19	1.03	1.10	1.11	0.08	12	47.1	9.9E-264
IPI00012535	DnaJ homolog subfamily A member 1	P31689	0.67	0.91	0.80	0.79	0.12	20	63.5	3.5E-271
IPI00012545	TGN38 homolog	O43493-1	0.98		0.96	0.97	0.02	6	16.2	8.49E-78
IPI00012578	Importin alpha Q1	O00629	0.86	1.03	1.10	0.99	0.12	7	21.9	4.9E-252
IPI00012585	Beta-hexosaminidase subunit beta	P07686	1.07	0.99	1.08	1.05	0.05	16	29.7	1.9E-102
IPI00012645	Beta-III spectrin	O15020-1	1.18			1.18		8	3.3	4.74E-18
IPI00012669	Protein SMG9	Q9HOW8-1	0.90	1.04	1.01	0.99	0.07	4	15.4	9.83E-68
IPI00012728	Acyl-CoA synthetase 1	P33121-1	1.12	0.91	1.03	1.02	0.10	3	7.4	3.68E-08

IPI00012750	40S ribosomal protein S25	P62851	0.90	0.90	0.89	0.90	0.00	12	49.6	1.2E-156
IPI00012756	Interferon-induced protein with tetratricopeptide repeats 5	Q13325	0.85	0.79	1.06	0.90	0.14	5	11	1.53E-59
IPI00012772	60S ribosomal protein L8	P62917	0.86	0.88	0.89	0.87	0.01	16	45.1	5.4E-102
IPI00012788	A34.5	O15446-2	1.14	0.71	0.71	0.85	0.25	6	21.9	2.3E-101
IPI00012795	eIF3 p36	Q13347	0.70	0.92	0.88	0.83	0.12	11	49.2	6.9E-113
IPI00012828	3-ketoacyl-CoA thiolase, peroxisomal	P09110	0.87	1.09	1.09	1.02	0.13	5	13.4	4.45E-62
IPI00012831	Hepatitis B virus X-interacting protein	O43504			0.83	0.83		1	11.6	1.34E-08
IPI00012833	Protein phosphatase X	P60510	0.79	1.10	1.11	1.00	0.18	6	24.4	4.6E-121
IPI00012835	C-terminal-binding protein 1	Q13363	1.01	1.19	1.15	1.12	0.09	9	23.9	4.09E-32
IPI00012837	Conventional kinesin heavy chain	P33176	0.93	1.06	1.08	1.02	0.08	43	51.9	0
IPI00012855	Protein PM1	P17152	0.72	0.96	0.97	0.88	0.14	4	19.3	1.82E-24
IPI00012866	Protein kinase B	P31749	1.28	1.59	1.60	1.49	0.18	3	9.6	1.62E-37
IPI00012887	Cathepsin L1	P07711	0.98			0.98		1	4.2	1.29E-09
IPI00012912	Carnitine O-palmitoyltransferase 2, mitochondrial	P23786	1.04	1.08	1.23	1.12	0.10	3	6.8	5.56E-71
IPI00012989	Lysosomal acid alpha-mannosidase	O00754	0.84		0.97	0.91	0.09	5	7	2.1E-168
IPI00013002	UbcH10	O00762	0.88	0.99	1.02	0.96	0.08	5	26.3	6.99E-63
IPI00013004	Pyridoxal kinase	O00764-1	0.96	1.03	1.13	1.04	0.08	11	33.7	7.4E-232
IPI00013068	eIF-3 p48	P60228	0.81	0.91	0.91	0.88	0.06	15	40.7	7.3E-151
IPI00013070	Adenovirus early region 1B-associated protein 5	Q9BUJ2-1	1.08	1.29	1.12	1.17	0.11	17	29.3	7.2E-249
IPI00013079	Elastin microfibril interface-located protein 1	Q9Y6C2		0.83		0.83		3	5.1	9.7E-08
IPI00013122	Hsp90 chaperone protein kinase-targeting subunit	Q16543	0.98	1.05	0.95	0.99	0.05	16	44.2	9.3E-232
IPI00013146	28S ribosomal protein S22, mitochondrial	P82650	1.02	0.84	0.82	0.89	0.11	11	38.6	2.81E-78
IPI00013160	Hepatocellular carcinoma-associated antigen 56	P41214-1	0.91	0.88	0.94	0.91	0.03	4	9.1	1.6E-131
IPI00013167	28S ribosomal protein S25, mitochondrial	P82663	1.05	0.90	0.96	0.97	0.07	6	45.1	7.32E-34
IPI00013174	Paraspeckle protein 2	Q96PK6-1	0.95	0.71	0.80	0.82	0.12	12	22.7	4.1E-242
IPI00013180	Protein BUD31 homolog	P41223		1.13		1.13		11	58.3	1.85E-31
IPI00013184	N-alpha-acetyltransferase 10, NatA catalytic subunit	P41227	0.87	0.94		0.91	0.05	11	41.7	2.3E-191
IPI00013195	39S ribosomal protein L49, mitochondrial	Q13405	1.06	0.91	1.00	0.99	0.07	3	23.5	9.8E-173

IPI00013212	C- <i>Src</i> kinase	P41240	1.02	1.23	1.01	1.08	0.12	4	9.6	1.8E-23
IPI00013214	cDNA, FLJ93378, highly similar to Homo sapiens MCM3 minichromosome maintenance deficient 3 ( <i>S. cerevisiae</i> ) (MCM3), mRNA	B2R7C5	1.10	1.25	1.21	1.19	0.08	33	42.3	0
IPI00013217	CAAT box DNA-binding protein subunit B	P25208	1.15		1.10	1.13	0.04	2	11.6	6.5E-36
IPI00013219	59 kDa serine/threonine-protein kinase	Q13418	0.83	1.17	1.21	1.07	0.21	15	33.4	2.16E-39
IPI00013241	Ubiquitin-like protein 5	Q9BZL1	0.77	1.28	1.14	1.06	0.26	6	43.8	4.08E-41
IPI00013269	Uncharacterized protein C6orf106	Q9H6K1-1	1.24			1.24		1	6.7	4.51E-08
IPI00013290	Hepatoma-derived growth factor 2	Q7Z4V5-1	1.44	1.02	1.02	1.16	0.24	6	12.1	2.5E-33
IPI00013296	40S ribosomal protein S18	P62269	0.91	0.85	0.90	0.88	0.03	18	58.6	4.8E-241
IPI00013297	28 kDa heat- and acid-stable phosphoprotein	Q13442	1.19	0.94	0.97	1.04	0.14	11	48.6	1.9E-273
IPI00013396	U1 small nuclear ribonucleoprotein C	P09234			1.05	1.05		6	31.4	7.79E-30
IPI00013404	Deletion target in pancreatic carcinoma 4	Q13485			0.92	0.92		4	12	1.65E-05
IPI00013415	40S ribosomal protein S7	P62081	0.86	0.89	0.88	0.87	0.02	17	69.6	5.3E-173
IPI00013452	Bifunctional aminoacyl-tRNA synthetase	P07814	0.86	1.03	0.94	0.94	0.08	43	37.6	0
IPI00013455	CAP-Gly domain-containing linker protein 1	P30622-3	1.23	0.82	0.75	0.93	0.26	8	6.6	5.74E-64
IPI00013466	Arsenical pump-driving ATPase	O43681	1.03	0.98	0.99	1.00	0.03	10	32.8	3.5E-129
IPI00013468	Mitotic checkpoint protein BUB3	O43684	0.91	1.04	1.00	0.98	0.07	13	46.3	5.3E-183
IPI00013475	Tubulin beta-2A chain	Q13885	1.14	1.07	1.20	1.14	0.06	31	76.4	0
IPI00013485	40S ribosomal protein S2	P15880	0.82	0.80	0.87	0.83	0.04	13	40.3	8.2E-114
IPI00013508	Alpha-actinin cytoskeletal isoform	P12814		0.92	0.94	0.93	0.02	76	76.5	0
IPI00013678	Metaxin-1	Q13505-1	0.86	1.14	1.03	1.01	0.14	6	18	3.63E-83
IPI00013679	Deoxyuridine 5-triphosphate nucleotidohydrolase, mitochondrial	P33316-1	1.56	1.06		1.31	0.35	13	55.2	5.5E-193
IPI00013683	Tubulin beta-3 chain	Q13509	0.92	1.12	1.09	1.04	0.11	28	63.6	0
IPI00013706	39S ribosomal protein L20, mitochondrial	Q9BYC9	0.91	0.94	0.95	0.94	0.02	7	37.6	7.03E-21
IPI00013721	PRP4 kinase	Q13523			0.95	0.95		4	5.6	2E-34
IPI00013723	Peptidyl-prolyl cis-trans isomerase NIMA-interacting 1	Q13526	1.10	1.24	1.19	1.18	0.07	7	43.6	8E-262
IPI00013735	FAST kinase domain-containing protein 2	Q9NYY8-1		0.35	0.85	0.60	0.35	3	5.8	1.5E-100
IPI00013773	Cell death protein RIP	Q13546-1		1.30	0.98	1.14	0.23	9	17.1	8.37E-93
IPI00013774	Histone deacetylase 1	Q13547	1.08	1.28	1.22	1.19	0.10	6	19.9	3.16E-91

IPI00013788	HIV Tat-specific factor 1	O43719	1.09	1.22	1.13	1.15	0.07	6	8.1	4.2E-55
IPI00013789	Protein NN8-4AG	Q6GMV2	1.11	1.33	1.05	1.16	0.15	4	15.8	1.87E-21
IPI00013808	Alpha-actinin-4	O43707	0.85	0.97	0.99	0.94	0.08	84	79.4	0
IPI00013830	Nuclear protein SkiP	Q13573	1.21	1.22	1.07	1.17	0.08	11	25.4	4.1E-96
IPI00013832	GatC-like protein	O43716	0.94	0.71	0.80	0.81	0.12	6	55.1	2.59E-16
IPI00013847	Complex III subunit 1	P31930	0.98	1.01	0.97	0.99	0.02	19	49.8	3.2E-299
IPI00013860	3-hydroxyisobutyrate dehydrogenase, mitochondrial	P31937	1.09	1.34	1.32	1.25	0.14	2	8.6	1.51E-72
IPI00013862	dTMP kinase	P23919	0.91	1.24	1.17	1.11	0.17	13	52.8	5.43E-52
IPI00013871	Ribonucleoside-diphosphate reductase large subunit	P23921	0.95	1.31	1.18	1.15	0.18	16	25.3	4.7E-135
IPI00013877	Heterogeneous nuclear ribonucleoprotein 2H9	P31942-1	1.04	0.98	0.95	0.99	0.05	8	29.5	3.7E-226
IPI00013890	14-3-3 protein sigma	P31947-1		1.00	1.17	1.09	0.12	8	25.4	5.3E-111
IPI00013891	Transformer-2 protein homolog A	Q13595-1	0.90	0.99	1.00	0.96	0.06	4	14.9	1.71E-42
IPI00013894	Hsc70/Hsp90-organizing protein	P31948	0.96	1.00	0.97	0.98	0.02	51	63.7	0
IPI00013895	Calgizzarin	P31949	0.93	1.27	1.20	1.14	0.18	7	56.2	9.3E-230
IPI00013917	40S ribosomal protein S12	P25398	0.67	0.93	0.84	0.81	0.13	12	65.2	4.5E-160
IPI00013925	Galactose-1-phosphate uridylyltransferase	P07902		0.98		0.98		2	7.7	0.001861
IPI00013930	Syntaxin-6	O43752	1.21			1.21		2	12.9	2.7E-07
IPI00013933	250/210 kDa paraneoplastic pemphigus antigen	P15924-1	0.70	0.89	0.75	0.78	0.09	20	10.3	0
IPI00013940	Synaptogyrin-1	O43759-1	0.96	0.80		0.88	0.11	2	10.3	1.87E-11
IPI00013949	Alpha-SGT	O43765	1.06	0.84	0.99	0.96	0.11	12	35.1	6.4E-165
IPI00013976	Laminin B1 chain	P07942	1.18	1.03	1.09	1.10	0.08	8	7.7	4E-32
IPI00013981	p61-Yes	P07947	1.11	1.31	1.28	1.23	0.11	6	14.9	7.62E-21
IPI00014053	Mitochondrial import receptor subunit TOM40 homolog	O96008-1	0.84	0.84	0.84	0.84	0.00	9	36.8	8.4E-169
IPI00014068	p21-activated kinase 4	O96013-1	1.05	1.20	1.19	1.15	0.09	6	17.1	6.5E-99
IPI00014137	Oxysterol-binding protein-related protein 2	Q9H1P3-1	1.09			1.09		2	5.4	0.007699
IPI00014147	Hepatitis C virus NS5A-transactivated protein 9	Q15004			1.20	1.20		4	40.5	4.37E-19
IPI00014149	Tetratricopeptide repeat protein 35	Q15006	1.05	1.03	1.02	1.04	0.02	9	34	4.8E-155
IPI00014151	26S proteasome non-ATPase regulatory subunit 6	Q15008		1.04	0.96	1.00	0.06	18	45.8	1.6E-226

IPI00014165	Histone H2A	Q92646	1.12	0.90		1.01	0.16	1	8.7	9.77E-09
IPI00014172	Golgi 4-transmembrane-spanning transporter MTP	Q15012			2.01	2.01		2	17.2	0.00055
IPI00014174	MORF-related gene X protein	Q15014	1.04	0.96	1.16	1.05	0.10	6	20.8	1.52E-14
IPI00014194	UPF0760 protein C2orf29	Q9UKZ1	1.11		1.05	1.08	0.04	2	6.3	1.7E-11
IPI00014197	Protein CDV3 homolog	Q9UKY7-1	1.20	0.88	0.84	0.97	0.19	9	69	6.5E-221
IPI00014198	Exosome complex exonuclease RRP42	Q15024	0.89	0.89	0.89	0.89	0.00	6	25.4	5E-126
IPI00014213	Leucine--tRNA ligase	Q15031		1.23	0.76	1.00	0.33	2	2.5	1.39E-05
IPI00014219	Sorting nexin-17	Q15036		1.39	1.09	1.24	0.21	2	7	1.04E-22
IPI00014220	HAUS augmin-like complex subunit 5	O94927-1			1.07	1.07		2	3.6	5.66E-06
IPI00014230	Complement component 1 Q subcomponent-binding protein, mitochondrial	Q07021	1.01	0.75	0.78	0.85	0.14	7	28.4	3.8E-213
IPI00014232	ADP-ribosylation factor-like protein 6-interacting protein 1	Q15041	0.91	1.02	1.19	1.04	0.14	6	23.2	1.04E-09
IPI00014236	LIV-1 subfamily of ZIP zinc transporter 4	Q15043-1	0.71	0.74	0.80	0.75	0.05	2	6.7	6.2E-170
IPI00014253	Ribosome biogenesis regulatory protein homolog	Q15050	0.72	0.80	0.76	0.76	0.04	12	37.5	4.2E-109
IPI00014263	Eukaryotic translation initiation factor 4H	Q15056-1	1.05	1.02	0.97	1.01	0.04	17	58.9	5.6E-284
IPI00014264	Arf-GAP with coiled-coil, ANK repeat and PH domain-containing protein 2	Q15057			1.43	1.43		3	4.9	5E-47
IPI00014298	Keratinocyte protein IEF SSP 9502	Q13610		0.71	1.02	0.87	0.22	2	6.4	5.72E-31
IPI00014301	Hsa	Q15070-1	0.80	0.90	0.86	0.86	0.05	3	10.1	1.84E-15
IPI00014307	Myotubularin-related protein 2	Q13614	0.90		0.97	0.94	0.05	2	6.4	1.92E-21
IPI00014310	Cullin-1	Q13616	0.86	1.03	0.19	0.69	0.45	7	11.9	1.48E-28
IPI00014311	Cullin-2	Q13617	1.54	0.96	0.92	1.14	0.35	4	4.6	0.00031
IPI00014312	Cullin-3	Q13618-1	0.97	1.03	0.88	0.96	0.07	14	20.3	1.4E-160
IPI00014361	GDP-4-keto-6-deoxy-D-mannose-3,5-epimerase-4-reductase	Q13630	0.98	1.03	1.15	1.05	0.09	7	26.5	3.08E-89
IPI00014377	Ras-related protein Rab-32	Q13637	1.00	1.01	1.04	1.02	0.02	11	58.7	6.7E-217
IPI00014399	Four and a half LIM domains protein 3	Q13643	0.89	0.80	0.78	0.82	0.06	8	47.5	7.91E-71
IPI00014400	DnaJ homolog subfamily B member 12	B7Z7I3		1.06		1.06		3	11.7	0.011848
IPI00014424	Elongation factor 1-alpha 2	Q05639	0.64	0.97	0.93	0.85	0.18	17	34.8	5.6E-179
IPI00014439	Dihydropteridine reductase	P09417	0.95	1.12	1.02	1.03	0.09	8	43.9	1.4E-194

IPI00014454	Ras and Rab interactor 1	Q13671-1		1.25	0.77	1.01	0.34	7	15.1	1.7E-124
IPI00014456	Striatin	O43815-1	1.18	1.35	1.21	1.25	0.09	7	13.7	1.3E-152
IPI00014458	Protein SCO2 homolog, mitochondrial	O43819			0.90	0.90		2	10.5	1.49E-21
IPI00014474	A-kinase anchor protein 8	O43823	1.49	1.02	1.12	1.21	0.25	6	13.9	2.61E-89
IPI00014516	Caldesmon	Q05682-1		0.69	0.77	0.73	0.06	48	39.3	0
IPI00014533	Autoantigen NOR-90	P17480-1	1.19	1.25	1.29	1.24	0.05	13	21.3	4.64E-42
IPI00014572	Basement-membrane protein 40	P09486	1.11	1.28	1.63	1.34	0.27	7	23.4	1.98E-39
IPI00014577	Ras-related protein Rab-18	Q9NP72	0.87	0.93	0.93	0.91	0.04	8	45.1	2.3E-200
IPI00014587	Clathrin light chain A	P09496-1	1.26	1.06	1.08	1.13	0.11	9	29.8	1.2E-142
IPI00014589	Clathrin light chain B	P09497-1	1.34	0.90	0.95	1.06	0.24	8	24.5	1.76E-26
IPI00014624	Adapter-related protein complex 3 sigma-1 subunit	Q92572	0.97	1.05	1.04	1.02	0.04	5	22.5	3E-100
IPI00014808	PAF acetylhydrolase 29 kDa subunit	Q15102	1.31	1.11	1.05	1.16	0.14	8	33.8	2.77E-31
IPI00014825	BTB/POZ domain-containing protein KCTD9	Q7L273	1.05			1.05		3	9.5	6.75E-36
IPI00014831	[Pyruvate dehydrogenase [lipoamide]] kinase isozyme 1, mitochondrial	Q15118		1.19	0.93	1.06	0.19	3	8.5	2.15E-35
IPI00014843	CARMIL homolog	Q5VZK9-1		0.96		0.96		2	1.6	0.017378
IPI00014877	Glutaminyl-peptide cyclotransferase-like protein	Q9NXS2-2	1.21			1.21		2	5.8	3.69E-05
IPI00014898	Hemidesmosomal protein 1	Q15149-1	1.50	1.16	1.17	1.28	0.19	213	50.7	0
IPI00014980	PP2A B subunit isoform B56-beta	Q15173-1			1.15	1.15		3	6.8	0.000252
IPI00015011	F-box and leucine-rich repeat protein 12	Q9NXK8-1		1.25	1.26	1.25	0.01	2	10.4	1.1E-125
IPI00015018	Inorganic pyrophosphatase	Q15181	0.88	0.94	0.91	0.91	0.03	12	53.3	1.2E-232
IPI00015101	Torsin family protein C9orf167	Q9NXH8	0.99			0.99		2	6.4	0.001333
IPI00015102	Activated leukocyte cell adhesion molecule	Q13740-1	1.08	0.79	1.04	0.97	0.16	15	31.9	9.9E-148
IPI00015143	Origin recognition complex subunit 5	O43913		1.59	0.97	1.28	0.44	2	5.3	2.78E-11
IPI00015147	Activating transcription factor 7	P17544-1			0.84	0.84		2	13.4	7.87E-06
IPI00015148	GTP-binding protein smg p21B	P61224	0.87	1.06	1.05	0.99	0.11	13	44.6	1.2E-242
IPI00015161	Protein p17	O43924	0.99	1.26		1.12	0.19	2	20.7	2.22E-23
IPI00015195	CF-1 77 kDa subunit	Q12996	1.16	1.02	1.02	1.07	0.08	9	17.6	4.35E-92
IPI00015213	DAP-like kinase	O43293	0.94			0.94		2	6.4	6.03E-15
IPI00015285	CTP:phosphoethanolamine cytidylyltransferase	Q99447	1.55	1.67	1.94	1.72	0.20	6	19.5	1.96E-64

IPI00015351	UPF0424 protein C1orf128	Q9GZP4-1	0.90	1.16	1.41	1.15	0.26	3	20.4	1.48E-09
IPI00015361	C-Myc-binding protein Mm-1	Q99471	0.96		0.98	0.97	0.01	5	31.8	2E-191
IPI00015602	Mitochondrial import receptor subunit TOM70	O94826	0.72	0.95	0.87	0.85	0.12	18	37.5	9.9E-156
IPI00015609	DDB1- and CUL4-associated factor 16	Q9NXF7	1.10	1.10	0.84	1.01	0.15	4	19.4	1.63E-37
IPI00015671	Tubulin alpha chain-like 3	A6NHL2-1	0.98			0.98		5	10.3	1.23E-53
IPI00015713	CDK5 regulatory subunit-associated protein 1-like 1	Q5VV42-1	0.62	0.35	0.80	0.59	0.23	3	6.7	2.06E-08
IPI00015736	ThiFP1	Q9GZZ9-1	0.89	0.57	0.79	0.75	0.16	4	15.6	7.33E-63
IPI00015773	COMM domain-containing protein 3	Q9UBI1	1.64	1.26	1.15	1.35	0.26	4	27.7	1.16E-20
IPI00015806	General transcription factor 3C polypeptide 3	Q9Y5Q9-1		1.36	1.25	1.31	0.08	4	6.5	2.34E-42
IPI00015808	Autoantigen NGP-1	Q13823	0.91	0.83	0.94	0.89	0.06	9	17	1.39E-45
IPI00015809	Probable O-sialoglycoprotein endopeptidase	Q9NPF4	0.99	1.10	1.02	1.04	0.06	5	14.9	3.9E-107
IPI00015836	Adapter protein containing PH domain, PTB domain and leucine zipper motif 1	Q9UKG1	1.18	1.11	1.27	1.19	0.08	5	9.4	4.39E-72
IPI00015838	Cell growth-regulating nucleolar protein	Q9NX58	0.88	0.83	0.82	0.84	0.04	8	15.3	3.4E-201
IPI00015842	Reticulocalbin-1	Q15293	1.40	1.04	1.17	1.20	0.18	16	62.5	6.5E-295
IPI00015856	Aspartyl aminopeptidase	Q9ULA0	1.09	1.09	0.92	1.03	0.09	12	38.9	2.9E-119
IPI00015865	[Protein ADP-ribosylarginine] hydrolase-like protein 2	Q9NX46	1.14	1.03	1.16	1.11	0.07	7	23.4	1.7E-138
IPI00015866	ADP-ribosylation factor-like protein 2-binding protein	Q9Y2Y0-1	1.20	1.30	1.34	1.28	0.07	2	12.9	3.79E-14
IPI00015891	Prefoldin subunit 4	Q9NQP4	1.09	0.90	0.86	0.95	0.12	5	30.6	3.2E-120
IPI00015894	Binder of Rho GTPases 4	Q9H3Q1	1.19			1.19		1	5.3	3.91E-59
IPI00015897	CHORD domain-containing protein 1	Q9UHD1-1	0.68	0.85	0.84	0.79	0.09	14	48.5	0
IPI00015905	Exosome complex exonuclease RRP4	Q13868	1.05	1.05	0.98	1.03	0.04	5	25.6	1.47E-52
IPI00015911	Dihydrolipoamide dehydrogenase	P09622	1.03	1.10	1.10	1.07	0.04	12	25.3	3.2E-198
IPI00015916	Bone-derived growth factor	Q13876		0.73		0.73		1	2.4	1.54E-16
IPI00015924	Septin and tuftelin-interacting protein 1	Q9UBB9-1		0.96		0.96		2	2.7	0.000199
IPI00015947	DnaJ homolog subfamily B member 1	P25685	1.11	1.16	1.09	1.12	0.04	17	51.2	2.6E-252
IPI00015952	cDNA FLJ59571, highly similar to Eukaryotic translation initiation factor 4gamma 2	B4DZF2	0.76	0.93	0.88	0.86	0.09	26	32.2	2.5E-273
IPI00015953	DEAD box protein 21	Q9NR30-1	0.67	0.72	0.64	0.68	0.04	33	45.6	0



IPI00015954	COPII-associated small GTPase	Q9NR31	0.90	1.06	1.12	1.03	0.11	9	39.9	2.5E-162
IPI00015956	Exosome complex exonuclease RRP40	Q9NQ75	1.01			1.01		2	7.6	2.03E-15
IPI00015972	Cytochrome c oxidase polypeptide VIc	P09669	0.85	0.95	0.96	0.92	0.06	3	32	8.88E-05
IPI00015973	Band 4.1-like protein 2	O43491	1.19	1.08	0.99	1.09	0.10	26	33.1	0
IPI00015990	Eyes absent homolog 3	Q99504-1		1.22	0.97	1.10	0.18	1	4.5	1.46E-09
IPI00016014	Cerebral protein 14	Q9NQX7-1	2.87			2.87		1	7.5	6.35E-20
IPI00016046	Protein MGR2 homolog	P60602-1	0.62			0.62		2	24.1	4.04E-63
IPI00016074	M-phase phosphoprotein 6	Q99547	1.20	1.08	0.71	1.00	0.25	4	22.5	2.48E-18
IPI00016077	Glioblastoma-amplified sequence	O75323	1.17	1.13	0.97	1.09	0.10	5	19.9	1.08E-24
IPI00016112	Melanoma-associated antigen MG50	Q92626-1	0.98	1.24	1.54	1.25	0.28	6	6.9	1.05E-68
IPI00016179	Protein S100-A13	Q99584	1.28	1.25	1.45	1.33	0.11	5	48	5.11E-36
IPI00016207	Inner membrane preprotein translocase Tim17a	Q99595			0.73	0.73		2	24.6	0.017696
IPI00016249	Fragile X mental retardation syndrome-related protein 1	P51114-1	0.86	1.09		0.98	0.16	16	33.2	4.2E-116
IPI00016250	Fragile X mental retardation syndrome-related protein 2	P51116	0.85	1.23	1.05	1.04	0.19	11	22.5	5.1E-94
IPI00016334	Cell surface glycoprotein MUC18	P43121-1	0.42			0.42		3	6.3	4.24E-15
IPI00016339	L1880	P51148	1.05	1.09	1.11	1.08	0.03	11	67.1	0
IPI00016342	Ras-related protein Rab-7a	P51149	0.93	0.95	1.00	0.96	0.03	18	82.6	0
IPI00016346	Proline synthase co-transcribed bacterial homolog protein	O94903	0.97	1.18	1.22	1.12	0.13	9	37.8	2.23E-58
IPI00016372	Ras-related protein Rab-9A	P51151	1.02	1.09	1.04	1.05	0.03	6	35.8	1.4E-103
IPI00016373	Cell growth-inhibiting gene 4 protein	P51153	0.85	1.13	1.14	1.04	0.16	9	39.4	3.7E-83
IPI00016377	Ras-related protein Rab-28	P51157-1			1.02	1.02		2	14	0.003069
IPI00016381	GTP-binding protein Ram	P51159-1	0.83	1.71	1.34	1.29	0.44	4	20.4	2.09E-06
IPI00016387	Pre-mRNA cleavage complex 2 protein Pcf11	O94913			0.98	0.98		2	1.8	2.79E-06
IPI00016441	Pro-rich, PH and SH2 domain-containing signaling mediator	Q9NRF2-1			2.29	2.29		2	3.6	0.017266
IPI00016457	Carnitine acetyltransferase	P43155-1		1.36		1.36		2	3.7	1.35E-05
IPI00016481	Dim1-like protein	Q9NX01		1.02		1.02		2	18.8	1.9E-09
IPI00016513	Ras-related protein Rab-10	P61026	0.93	1.07	1.05	1.02	0.07	11	51.5	3.03E-98
IPI00016532	UPF0609 protein C4orf27	Q9NWY4	1.16	1.20	1.20	1.18	0.02	6	22.5	8.26E-83

IPI00016542	WD repeat-containing protein 76	Q9H967			1.53	1.53		3	6.9	1.05E-10
IPI00016559	Interphase cytoplasmic foci protein 45	Q9NWX6	0.74	0.98		0.86	0.17	3	12.8	1.08E-07
IPI00016568	Adenylate kinase 3-like	P27144	1.03	0.83	0.85	0.90	0.11	6	41.3	1E-52
IPI00016597	Ceroid-lipofuscinosis neuronal protein 6	Q9NWW5			0.96	0.96		2	10.3	1.72E-12
IPI00016605	UPF0587 protein C1orf123	Q9NWW4	1.06	1.26	1.19	1.17	0.10	4	39.4	2.09E-17
IPI00016608	Membrane protein p24A	Q15363	0.93	1.17	1.20	1.10	0.15	4	22.4	3.68E-10
IPI00016610	Alpha-CP1	Q15365	1.03	1.07	1.03	1.04	0.02	15	68.3	0
IPI00016613	cDNA, FLJ92904, highly similar to Homo sapiens casein kinase 2, alpha 1 polypeptide (CSNK2A1), mRNA	B2R6D7	1.04	0.94	1.00	0.99	0.05	14	45.8	0
IPI00016621	100 kDa coated vesicle protein C	O94973-2	1.10	1.20		1.15	0.07	18	24.9	4.3E-245
IPI00016634	Protein C20orf11	Q9NWU2	0.77	1.17	1.08	1.01	0.21	5	26.3	8.32E-58
IPI00016639	Atypical protein kinase C-lambda/iota	P41743	0.89	0.94	1.03	0.95	0.07	4	9.2	0
IPI00016669	GTP-binding protein Rheb	Q15382	0.86	1.04	1.11	1.00	0.13	9	38	9.7E-136
IPI00016670	p27Kip1-releasing factor from RhoA	Q6IAA8	1.16	1.18	1.17	1.17	0.01	6	44.7	1.66E-78
IPI00016676	Mitochondrial 20 kDa outer membrane protein	Q15388	0.74	0.95		0.84	0.15	5	25.5	3.49E-12
IPI00016680	Transcription factor SOX-30	O94993-1		1.07		1.07		2	2.7	0.016878
IPI00016702	GAP and centrosome-associated protein	Q9Y3P9-1	1.15	1.10	1.13	1.12	0.02	12	14.4	2.42E-74
IPI00016703	Desmosterol reductase	Q15392	1.66		2.45	2.05	0.56	2	3.3	3.12E-07
IPI00016726	Uncharacterized protein C14orf119	Q9NWQ9	0.87		0.97	0.92	0.08	2	17.1	2.98E-16
IPI00016745	Folypoly-gamma-glutamate synthetase	Q05932-1	0.55	1.06	0.78	0.80	0.26	2	6	3.99E-19
IPI00016746	Core-binding factor subunit beta	Q13951-1	0.90		1.15	1.03	0.18	5	30.8	3E-135
IPI00016801	Glutamate dehydrogenase 1, mitochondrial	P00367	0.99	1.14	1.09	1.07	0.08	15	32.1	1.6E-139
IPI00016807	NAD-dependent deacetylase sirtuin-5	Q9NXA8-1		1.51		1.51		2	10.6	6.34E-49
IPI00016862	Glutathione reductase, mitochondrial	P00390-1	0.94	1.18	1.23	1.12	0.16	7	25.1	1.73E-38
IPI00016868	Protein clk-2 homolog	Q9Y4R8	0.75	1.18	1.26	1.07	0.28	3	4.7	9.81E-93
IPI00016891	Ras-related protein Rab-6B	Q9NRW1	1.75		1.17	1.46	0.41	7	35.1	1.9E-33
IPI00016910	eIF3 p110	Q99613	0.82	0.99	0.94	0.92	0.09	24	24.2	0
IPI00016912	Tetratricopeptide repeat protein 1	Q99614	1.20	0.70	0.83	0.91	0.26	9	45.9	8.1E-113
IPI00016915	IGFBP-rP1	Q16270	0.41	1.07	1.09	0.86	0.39	4	20.9	7.7E-23
IPI00016925	Protein C10	Q99622	0.93	0.92	1.11	0.99	0.11	4	50.8	7.8E-109

IPI00016932	Inositol polyphosphate phosphatase-like protein 1	O15357-1	1.00	1.46	1.32	1.26	0.23	2	2.5	5.15E-36
IPI00017160	Dopamine-responsive gene 1 protein	Q9NP79	0.89	1.05	0.96	0.97	0.08	6	28.3	4.6E-154
IPI00017184	EH domain-containing protein 1	Q9H4M9	1.14	1.08	1.14	1.12	0.03	26	56.9	0
IPI00017256	Ras suppressor protein 1	Q15404		1.03		1.03		10	36.8	2.4E-76
IPI00017283	Isoleucine--tRNA ligase	Q9NSE4	1.04	0.96	0.99	0.99	0.04	12	14.5	4E-52
IPI00017289	Nucleic acid-binding protein RY-1	Q8WVK2		1.19	1.03	1.11	0.11	4	24.5	1.13E-57
IPI00017292	Beta-catenin	P35222-1	0.74	1.07	0.97	0.92	0.17	18	28.2	1.4E-253
IPI00017303	DNA mismatch repair protein Msh2	P43246	1.00	1.10	1.08	1.06	0.05	30	33.1	0
IPI00017334	Prohibitin	P35232	0.88	0.87	0.91	0.88	0.02	19	64	0
IPI00017339	Pre-mRNA-splicing factor SF3b 49 kDa subunit	Q15427	1.17	1.08	1.13	1.13	0.04	5	21	7.2E-123
IPI00017341	SF3a66	Q15428	1.08	0.99	0.90	0.99	0.09	7	14.1	1.05E-42
IPI00017342	Rho-related GTP-binding protein RhoG	P84095	1.09	1.09	1.06	1.08	0.02	12	56	0
IPI00017344	Ras-related protein Rab-5B	P61020	1.46	1.56	1.43	1.48	0.07	8	47.9	6.6E-190
IPI00017367	Radixin isoform b	A7YIJ8	1.06	1.11	1.13	1.10	0.03	42	55.8	0
IPI00017373	Replication factor A protein 3	P35244		1.79	1.26	1.52	0.38	2	21.5	1.78E-13
IPI00017375	Protein transport protein Sec23A	Q15436	0.94	1.18	1.11	1.07	0.12	20	34.4	0
IPI00017376	Protein transport protein Sec23B	Q15437		0.98	0.76	0.87	0.16	9	14.9	4.9E-156
IPI00017381	Activator 1 37 kDa subunit	P35249	1.06	1.23	1.16	1.15	0.09	18	56.5	7E-202
IPI00017412	Activator 1 40 kDa subunit	P35250-1	1.02	1.26	1.13	1.13	0.12	11	43.8	1.5E-158
IPI00017448	40S ribosomal protein S21	P63220	0.74	0.84	0.82	0.80	0.05	6	68.7	2.9E-124
IPI00017450	General transcription factor IIF 74 kDa subunit	P35269	1.22	0.91	0.78	0.97	0.23	6	15.5	3.11E-64
IPI00017451	SF3a120	Q15459	1.11	1.03	1.05	1.06	0.04	29	38.1	0
IPI00017469	Sepiapterin reductase	P35270		1.18	0.95	1.06	0.16	3	18.8	1.99E-59
IPI00017504	Uncharacterized protein C9orf40	Q8IXQ3	1.38	1.26	1.06	1.23	0.16	3	27.8	5.71E-47
IPI00017510	Cytochrome c oxidase polypeptide II	P00403	1.05	0.91	1.00	0.99	0.07	3	14.5	1.5E-84
IPI00017567	Endoglin	P17813-1	0.88	0.93	0.95	0.92	0.04	3	7	2.7E-21
IPI00017592	LETM1 and EF-hand domain-containing protein 1, mitochondrial	O95202-1	1.05	0.95	1.00	1.00	0.05	12	21.1	2.2E-139
IPI00017596	APC-binding protein EB1	Q15691	0.93	1.22	1.16	1.10	0.15	12	49.3	4.7E-289
IPI00017598	GPI ethanolamine phosphate transferase 1	O95427			1.14	1.14		1	1.7	0.011904

IPI00017617	DEAD box protein 5	P17844	0.78	0.87	0.90	0.85	0.06	36	52.6	0
IPI00017669	BRG1-associated factor 57	Q969G3-1	0.97	0.99	1.02	1.00	0.03	9	23.8	4.23E-69
IPI00017672	Inosine phosphorylase	P00491	0.84	0.98	0.97	0.93	0.08	12	47.4	1.9E-139
IPI00017704	Coactosin-like protein	Q14019	0.75	1.17	1.12	1.02	0.23	13	59.2	6E-130
IPI00017726	17-beta-hydroxysteroid dehydrogenase 10	Q99714-1	0.86	0.91	0.93	0.90	0.04	15	73.9	0
IPI00017763	Nucleosome assembly protein 1-like 4	A8CGI3	1.25	1.00	1.03	1.10	0.14	13	42.7	5.4E-262
IPI00017816	ATP synthase subunit s, mitochondrial	Q99766	1.03	0.97		1.00	0.04	5	21.9	1.16E-12
IPI00017895	Glycerol-3-phosphate dehydrogenase, mitochondrial	P43304-1	1.00	1.02	1.13	1.05	0.07	12	19.9	1.43E-70
IPI00017963	Small nuclear ribonucleoprotein Sm D2	P62316	0.96	1.05	0.98	1.00	0.05	10	61.9	0
IPI00018009	Enhancer of mRNA-decapping protein 3	Q96F86		1.11	1.03	1.07	0.06	4	9.3	7.44E-84
IPI00018040	Mediator complex subunit 22	Q15528-1			0.98	0.98		3	15	6.11E-25
IPI00018098	Pre-mRNA-splicing factor 38B	Q5VTL8-1	0.93	0.94	0.87	0.91	0.04	3	5.3	1.25E-09
IPI00018120	28S ribosomal protein S29, mitochondrial	P51398	0.76	0.86	0.77	0.80	0.05	7	25.4	2.8E-125
IPI00018140	Glycine- and tyrosine-rich RNA-binding protein	O60506-1	1.08	0.96	1.00	1.01	0.06	29	51.5	0
IPI00018146	14-3-3 protein tau	P27348	0.96	1.10	1.11	1.06	0.08	27	81.6	0
IPI00018188	Adaptin ear-binding coat-associated protein 2	Q9NVZ3-1	1.04	1.16	1.16	1.12	0.07	4	29.7	3.16E-82
IPI00018192	NOP seven-associated protein 1	Q6RFH5-1	0.79	0.91	0.74	0.81	0.09	4	13.5	4.18E-65
IPI00018195	Mitogen-activated protein kinase 3	P27361		1.30	1.51	1.40	0.15	7	23.5	8.55E-67
IPI00018196	Notchless protein homolog 1	Q9NVX2	0.76		0.94	0.85	0.12	6	15.7	1.05E-44
IPI00018198	Centrosomal protein of 27 kDa	Q9NVX0-1	0.76	0.97		0.86	0.15	2	9.4	1.68E-13
IPI00018206	Aspartate aminotransferase, mitochondrial	P00505	0.86	1.02	1.01	0.96	0.09	15	35.6	2.6E-228
IPI00018214	Class D basic helix-loop-helix protein 4	P61244-1	1.00		0.84	0.92	0.11	3	25	4.59E-87
IPI00018219	Kerato-epithelin	Q15582	0.42	0.39	0.73	0.51	0.18	4	10.5	2.56E-14
IPI00018235	PEF protein with a long N-terminal hydrophobic domain	Q9UBV8	0.95	1.23	1.03	1.07	0.14	3	12	8.86E-57
IPI00018236	Cerebroside sulfate activator protein	P17900	0.93	1.05		0.99	0.09	2	8.8	0.008666
IPI00018240	Nucleolar protein 130	Q9NVU7-1	0.74	0.60	1.01	0.78	0.20	3	5.8	1.72E-28
IPI00018260	Armadillo repeat-containing protein 1	Q9NVT9	0.84	1.11		0.97	0.19	2	13.1	2.84E-10
IPI00018272	Pyridoxamine-phosphate oxidase	Q9NVS9		1.08	0.92	1.00	0.11	3	18.4	1.09E-17
IPI00018274	Epidermal growth factor receptor	P00533-1	1.19	1.02	1.30	1.17	0.14	7	10.4	1.43E-70

IPI00018288	DNA-directed RNA polymerase II 33 kDa polypeptide	P19387	0.96	0.99		0.98	0.02	7	36.4	2.85E-85
IPI00018311	Neuroplastin	Q9Y639-2	1.60	1.14	1.38	1.37	0.23	2	7.5	0.000179
IPI00018331	SNARE-associated protein Snapin	O95295	0.96		1.19	1.07	0.16	3	26.5	6.5E-108
IPI00018349	CDC21 homolog	P33991	1.12	1.21	1.18	1.17	0.04	33	43.2	0
IPI00018350	CDC46 homolog	P33992	1.14	1.20	1.18	1.17	0.03	32	47	8.3E-153
IPI00018352	Neuron cytoplasmic protein 9.5	P09936	1.01	1.22	1.24	1.15	0.12	14	65	0
IPI00018364	Ras-related protein Rap-2b	P61225	1.28		1.35	1.31	0.04	6	37.2	2.4E-119
IPI00018398	26S protease regulatory subunit 6A	P17980	1.01	1.00	1.05	1.02	0.03	22	54.2	0
IPI00018404	Elongin 110 kDa subunit	Q14241		1.54		1.54		2	4.1	1.35E-34
IPI00018434	ESCRT-I complex subunit TSG101	Q99816-1	1.30	1.17	1.08	1.18	0.11	5	17.2	5.47E-51
IPI00018465	CCT-eta	Q99832	0.82	0.95	0.93	0.90	0.07	28	60.4	0
IPI00018522	Interferon receptor 1-bound protein 4	Q99873-1	0.91	1.00	0.91	0.94	0.06	16	40.4	2.1E-280
IPI00018627	N-acetyltransferase 13	Q9GZZ1-1	0.88	0.96	0.89	0.91	0.04	14	55	4.4E-199
IPI00018689	Centromere protein Q	Q7L2Z9			1.34	1.34		1	5.2	0.000146
IPI00018768	Translin	Q15631	0.93	1.05	1.04	1.01	0.07	13	52.6	2E-233
IPI00018783	Inosine triphosphate pyrophosphatase	Q9BY32	0.81	1.03	1.07	0.97	0.13	4	24.2	2.92E-85
IPI00018798	DnaJ homolog subfamily C member 17	Q9NVM6	1.09	1.19	0.99	1.09	0.10	5	22.4	1.1E-200
IPI00018801	Eva-1 homolog B	Q9NVM1	2.21	1.67	1.48	1.79	0.38	3	46.1	1.6E-130
IPI00018813	Alien homolog	P61201-2	0.98	1.06	1.11	1.05	0.07	14	42.7	9.7E-228
IPI00018871	cDNA FLJ56285, highly similar to ADP-ribosylation factor-like protein 8B	B4E1J8	1.04	1.27	1.29	1.20	0.13	6	22.3	3.45E-35
IPI00018873	Nicotinamide phosphoribosyltransferase	P43490	1.01	1.17	1.20	1.13	0.10	12	36	0
IPI00018914	Protein-tyrosine phosphatase pez	Q15678		1.18	1.10	1.14	0.06	3	3.9	5.13E-08
IPI00018931	Maternal-embryonic 3	Q96QK1	1.11	1.20	1.20	1.17	0.05	15	22.4	0
IPI00018946	cDNA FLJ56439, highly similar to Pantothenate kinase 4 (EC 2.7.1.33)	B4DHW9	1.60	1.10	1.00	1.23	0.32	4	10.1	5.12E-49
IPI00018963	Actopaxin	Q9NVD7-1	0.92	1.05	1.22	1.06	0.15	12	30.4	7.6E-293
IPI00018971	52 kDa ribonucleoprotein autoantigen Ro/SS-A	P19474	1.06	1.26	1.33	1.21	0.14	6	16.8	4.75E-25
IPI00019004	Translocation protein 1	Q99442	0.59	0.81	0.74	0.72	0.11	3	7.3	8.56E-08
IPI00019046	Pre-mRNA-splicing factor RBM22	Q9NW64-1	0.91	1.25	0.99	1.05	0.18	4	12.1	7.08E-32

IPI00019141	1-acylglycerol-3-phosphate O-acyltransferase 1	Q99943	1.34	0.95	1.22	1.17	0.20	2	10.6	1.63E-21
IPI00019148	B-cell signal transduction molecule alpha 4	P78318	1.12	0.94	0.95	1.00	0.10	7	21.8	6.12E-85
IPI00019157	Chondroitin sulfate proteoglycan 4	Q6UVK1			0.88	0.88		4	2.8	1.1E-41
IPI00019169	cDNA, FLJ96508, Homo sapiens SH3-domain GRB2-like 1 (SH3GL1), mRNA	Q6FGM0	1.11	1.13	1.02	1.09	0.06	12	32.6	9.9E-115
IPI00019178	L-3-phosphoserine phosphatase	P78330	0.77	0.98	0.90	0.88	0.11	5	24.9	3.08E-29
IPI00019226	Bromodomain-containing protein 8	Q9H0E9-1		1.28		1.28		2	3.2	2.72E-16
IPI00019269	Meiotic recombination REC14 protein homolog	Q9GZS3	0.75	1.27	1.07	1.03	0.26	5	26.2	1.58E-39
IPI00019276	UBX domain-containing protein 1	Q9BZV1-1	1.02	1.46	1.27	1.25	0.22	4	20	2.92E-61
IPI00019326	Adrenal ferredoxin	P10109	0.89	0.85	0.82	0.85	0.04	2	9.8	6.72E-06
IPI00019329	8 kDa dynein light chain	P63167	0.81		0.97	0.89	0.11	4	51.7	6.1E-128
IPI00019345	C21KG	P62834	1.03	1.02		1.02	0.00	10	44	5.47E-96
IPI00019353	Acylglycerol kinase, mitochondrial	Q53H12-1	1.62	0.83	1.22	1.22	0.39	2	11.1	3.48E-24
IPI00019355	Cerebral protein 2	Q15714-2	2.31			2.31		2	19.4	3.25E-70
IPI00019376	Septin-11	Q9NVA2-2	0.97	1.11	1.18	1.09	0.11	18	41.9	0
IPI00019380	80 kDa nuclear cap-binding protein	Q09161	0.96	1.01	1.01	0.99	0.03	14	22.2	5.1E-120
IPI00019383	cDNA FLJ56840, highly similar to Galactokinase (EC 2.7.1.6)	B4E1G6	1.19	1.23	1.13	1.18	0.05	12	28.9	1.22E-81
IPI00019385	Signal sequence receptor subunit delta	P51571	0.94	1.04	1.01	1.00	0.05	5	29.9	1.5E-196
IPI00019400	Thiopurine methyltransferase	P51580		1.23	1.27	1.25	0.03	4	14.7	0.001289
IPI00019407	NAD(P)H steroid dehydrogenase	Q15738	1.36	1.47	1.53	1.45	0.09	10	34.9	2.1E-120
IPI00019432	EGR-1-binding protein 2	Q15742-1		0.92	1.03	0.97	0.07	2	8.8	5.57E-25
IPI00019450	60 kDa SS-A/Ro ribonucleoprotein	P10155-1	0.95	1.17	1.16	1.09	0.13	7	14.9	1.05E-59
IPI00019451	MRG-binding protein	Q9NV56	1.47	1.31	1.20	1.33	0.13	3	15.7	1.71E-74
IPI00019459	Mitogen-activated protein kinase kinase kinase 7-interacting protein 1	Q15750	1.11	1.19	1.10	1.13	0.05	7	21	7.7E-189
IPI00019463	Eukaryotic translation initiation factor 2-alpha kinase 2	P19525	0.93	1.15	1.15	1.08	0.13	17	32.5	9.9E-248
IPI00019472	Baboon M7 virus receptor	Q15758	0.81	0.72	0.78	0.77	0.05	7	14.8	5.3E-218
IPI00019488	BRMS2	Q9NV31	0.99	0.77	1.01	0.93	0.13	8	38	1.22E-82
IPI00019495	Dynein light chain Tctex-type 1	P63172	0.82			0.82		1	14.2	4.75E-92
IPI00019502	Cellular myosin heavy chain, type A	P35579-1	0.89	0.88	0.99	0.92	0.06	205	73.7	0

IPI00019548	JV18-1	Q15796-1			1.30	1.30		3	8.1	6.05E-32
IPI00019551	Beckwith-Wiedemann syndrome chromosomal region 1 candidate gene C protein	Q53GA4			1.67	1.67		3	34.2	5.94E-08
IPI00019560	Uncharacterized protein C6orf64	Q9NPB0-1	1.18			1.18		1	15.3	2.33E-16
IPI00019600	DDVit 1	Q15819	1.20	1.05	1.06	1.10	0.08	10	54.5	7.3E-221
IPI00019640	Serine/threonine-protein kinase VRK1	Q99986	0.74	1.08	0.98	0.93	0.17	4	11.6	2.81E-38
IPI00019642	CAP-Gly domain-containing linker protein 2	Q9UDT6-1	1.32	1.33	0.86	1.17	0.27	5	6.6	1.16E-31
IPI00019733	mRNA export factor	P78406	0.90	1.10	0.98	1.00	0.10	9	28.8	8.31E-76
IPI00019755	Glutathione S-transferase omega-1	P78417	0.87	1.22	1.13	1.07	0.18	8	29.9	1.06E-50
IPI00019770	40S ribosomal protein S30	P62861	0.89	0.85	0.78	0.84	0.06	3	21.8	5.06E-07
IPI00019812	Protein phosphatase T	P53041	0.96	1.20	1.25	1.13	0.16	9	21	2.4E-183
IPI00019835	Bcl-2-like protein 12	Q9HB09-1	0.64	0.84		0.74	0.14	3	9.6	1.68E-10
IPI00019848	C1 factor	P51610-1	1.26	1.12	1.12	1.17	0.08	21	16.8	5.2E-170
IPI00019903	Coiled-coil domain-containing protein 44	Q9BSH4	0.97	0.89	0.85	0.90	0.06	4	20.5	7E-34
IPI00019912	17-beta-hydroxysteroid dehydrogenase 4	P51659	1.02	1.16	1.15	1.11	0.07	25	40.8	4.6E-240
IPI00019918	ATP-dependent RNA helicase DDX19A	Q9NUU7	1.03	1.26	1.09	1.13	0.12	10	23.6	9E-126
IPI00019924	Tubulin-folding cofactor C	Q15814	1.07	1.29	1.54	1.30	0.23	4	14.7	1.19E-84
IPI00019927	26S proteasome non-ATPase regulatory subunit 7	P51665	1.09	1.11	1.03	1.08	0.04	10	30.6	2.6E-183
IPI00019962	UPF0534 protein C4orf43	Q96EY4	0.79	0.87	0.84	0.83	0.04	4	23.2	8.1E-162
IPI00019971	cDNA FLJ54775, highly similar to Syntaxin-binding protein 2	B4E175		1.16	0.86	1.01	0.21	3	7.5	1.17E-08
IPI00019977	General transcription factor IIE 56 kDa subunit	P29083	0.94	1.05	1.08	1.03	0.07	3	10.7	1.99E-24
IPI00019981	General transcription factor IIE subunit 2	P29084	0.89	0.91	1.24	1.01	0.20	3	13.4	7.67E-64
IPI00019983	Apoptosis regulator Bcl-X	Q07817-1	1.04	1.49	1.25	1.26	0.23	3	14.2	7.18E-18
IPI00019994	Gamma-taxilin	Q9NUQ3	0.96	0.98	0.87	0.94	0.06	6	13.8	3.93E-11
IPI00019997	Mammalian lin-seven protein 3	Q9NUP9	0.95	1.05	1.00	1.00	0.05	5	26.4	7.21E-13
IPI00020004	Protein MAC30	Q5BJF2	1.16			1.16		2	10.2	0.010063
IPI00020008	NEDD8	Q15843	1.08	1.05	1.06	1.06	0.02	4	49.4	4.14E-48
IPI00020021	Protein DEK	P35659	1.27	1.24	1.27	1.26	0.02	16	36.8	5.6E-136
IPI00020042	26S protease regulatory subunit 6B	P43686-1	0.97	1.03	1.04	1.01	0.04	29	67.5	0
IPI00020050	Mitochondrial DEAD box protein 28	Q9NUL7			1.05	1.05		2	5.2	0.000219

IPI00020075	Abhydrolase domain-containing protein 10, mitochondrial	Q9NUJ1	0.93	1.04	1.08	1.02	0.08	6	23.2	5.3E-263
IPI00020101	Histone H2B type 1-C/E/F/G/I	P62807	1.22			1.22		16	77.8	3.8E-191
IPI00020127	Replication factor A protein 1	P27694	1.13	1.31	1.33	1.26	0.11	20	42.7	0
IPI00020128	Hepatocellular carcinoma-associated antigen 66	Q9NYH9	0.82	0.88	0.90	0.87	0.04	7	15.1	4.3E-152
IPI00020164	Protein tyrosine phosphatase type IVA 1	Q93096	0.74	0.94		0.84	0.15	6	36.4	2.5E-104
IPI00020178	Signal transducing adapter molecule 1	Q92783-1		1.15		1.15		3	7	1.78E-17
IPI00020191	HU-PP-1	Q12974-1	0.88	1.34	1.09	1.10	0.23	5	30.5	2.52E-74
IPI00020196	Armadillo repeat-containing protein 6	Q6NXE6	0.76	1.13	0.95	0.95	0.18	6	16.4	4.8E-160
IPI00020226	Branched-chain acyl-CoA oxidase	O15254-1		0.65	1.12	0.89	0.33	2	4.1	2.68E-27
IPI00020356	MAP1 light chain LC2	P78559		0.92	1.28	1.10	0.25	3	1.1	9.38E-07
IPI00020418	p23	P10301	1.23	1.20	1.19	1.21	0.02	11	50.5	8.1E-147
IPI00020436	GTP-binding protein YPT3	Q15907	1.12	1.12	1.17	1.14	0.03	12	57.8	3E-169
IPI00020451	Imprinted and ancient gene protein homolog	Q9P2X3-1		1.30		1.30		2	6.6	0.001343
IPI00020454	Deoxycytidine kinase	P27707	0.93	1.27	1.20	1.13	0.18	10	35.4	8.12E-85
IPI00020472	Transmembrane protein 111	Q9P0I2-1	1.00	1.04	1.03	1.02	0.02	5	24.5	1.3E-141
IPI00020508	N(2),N(2)-dimethylguanosine tRNA methyltransferase	Q9NXH9-1	0.71	0.87	0.78	0.78	0.08	13	27.9	3.91E-80
IPI00020515	p31	Q9NZ43-1		1.06	1.13	1.10	0.05	2	11.2	2.47E-06
IPI00020530	Acyl-coenzyme A thioesterase 13	Q9NPJ3		1.23	1.17	1.20	0.05	2	15.7	2.61E-39
IPI00020540	Transmembrane protein 126B	Q8IUX1-1	0.89	0.85	0.74	0.83	0.08	1	6.1	3.58E-05
IPI00020557	Alpha-2-macroglobulin receptor	Q07954	1.53	1.11	0.99	1.21	0.29	6	1.7	9.37E-56
IPI00020567	CDC42 GTPase-activating protein	Q07960	1.13	1.05	1.26	1.15	0.11	9	28.2	7.7E-105
IPI00020578	cDNA FLJ53211, highly similar to A-Raf proto-oncogene serine/threonine-protein kinase (EC 2.7.11.1)	B4DV85		1.09		1.09		2	3.6	2E-06
IPI00020599	Calregulin	P27797	1.15	0.96	1.05	1.05	0.10	31	75.5	0
IPI00020602	Casein kinase II subunit alpha	P19784	1.07	1.16	1.00	1.08	0.08	8	30.9	1E-166
IPI00020672	Dipeptidyl aminopeptidase III	Q9NY33-1	1.16	1.15	1.18	1.16	0.02	21	38.5	4.3E-291
IPI00020701	ERI1 exoribonuclease 3	O43414-1		1.18	1.04	1.11	0.10	2	6.2	9.82E-05
IPI00020719	CARD adapter inducing interferon beta	Q7Z434-1	1.49		1.18	1.33	0.22	7	28.5	3.84E-64
IPI00020887	Synaptobrevin-like protein 1	P51809-1		1.32		1.32		2	7.7	8.33E-06



IPI00020898	90 kDa ribosomal protein S6 kinase 3	P51812	1.18	1.19	1.27	1.21	0.05	6	11.4	2.01E-21
IPI00020928	Mitochondrial transcription factor 1	Q00059	1.08	0.93	0.94	0.98	0.08	10	39.4	1.8E-54
IPI00020944	Squalene synthase	P37268	3.42	4.45	4.69	4.19	0.67	11	28.3	1.6E-169
IPI00020956	Hepatoma-derived growth factor	P51858	1.50	1.13	1.14	1.26	0.21	22	75.8	0
IPI00020965	UbcH2	P62256	0.88		1.03	0.95	0.10	4	21.3	1.16E-90
IPI00020984	cDNA FLJ55574, highly similar to Calnexin	B4DGP8	1.17	0.87	1.00	1.01	0.15	26	42.4	0
IPI00020985	E1A-associated protein p300	Q09472		1.28	0.98	1.13	0.21	3	2.3	2.22E-10
IPI00020991	CDKN2A-interacting protein	Q9NXV6	1.13	1.05	1.20	1.13	0.08	8	21.7	5E-137
IPI00021033	Collagen alpha-1(III) chain	P02461-1	2.59	1.60	2.24	2.14	0.50	9	8.5	1.5E-33
IPI00021048	Fer-1-like protein 3	Q9NZM1-1	0.95	1.05	1.07	1.02	0.06	29	20.7	1.3E-285
IPI00021106	Endonuclease G-like 1	Q9Y2C4-1	0.97	0.69	0.90	0.86	0.15	3	10.6	5.3E-18
IPI00021129	Adapter-related protein complex 3 subunit beta-1	O00203-1	1.14	1.20	1.06	1.13	0.07	12	13.7	4.38E-81
IPI00021147	Cell migration-inducing gene 15 protein	O15121		1.00	1.07	1.03	0.05	1	5.6	1.37E-31
IPI00021167	Interferon-inducible double stranded RNA-dependent protein kinase activator A	O75569-1	1.02	1.21	1.14	1.13	0.10	5	22	4.08E-57
IPI00021175	Cdc2-related kinase, arginine/serine-rich	Q9NYV4-1	1.60	0.87		1.24	0.52	3	2.6	4.61E-07
IPI00021187	49 kDa TATA box-binding protein-interacting protein	Q9Y265-1	0.89	0.93	0.91	0.91	0.02	19	51.5	1.4E-304
IPI00021248	Polo-like kinase 1	P53350	0.78	0.93	0.95	0.89	0.10	8	18.6	8.9E-242
IPI00021258	ADP-ribosylation factor-interacting protein 1	P53367-1	1.11		1.01	1.06	0.07	5	22.3	9.8E-68
IPI00021263	14-3-3 protein zeta/delta	P63104	1.05	1.08	1.12	1.08	0.04	30	81.6	0
IPI00021264	Basic calponin	P51911	1.01	1.34		1.17	0.23	3	14.5	1.25E-41
IPI00021266	60S ribosomal protein L23a	P62750	0.96	0.90	0.92	0.93	0.03	12	44.2	2.77E-89
IPI00021267	Ephrin type-A receptor 2	P29317	0.67	1.01	0.78	0.82	0.17	11	13.9	8.17E-72
IPI00021277	Cytosolic Fe-S cluster assembly factor NUBP1	P53384-1	0.93	1.22	1.02	1.06	0.15	5	23.8	1.33E-68
IPI00021290	ATP-citrate (pro-S)-lyase	P53396		1.26	1.23	1.24	0.02	42	42.9	0
IPI00021305	Cyclin-H	P51946	0.77			0.77		4	16.1	2.92E-40
IPI00021320	7SK snRNA methylphosphate capping enzyme	Q7L2J0			1.28	1.28		3	7.4	0.000452
IPI00021326	SHC-transforming protein 1	B5BU19	1.15	0.83	1.04	1.01	0.17	2	9.2	2.19E-21
IPI00021327	Adapter protein GRB2	P62993-1	0.87	1.00	1.06	0.98	0.10	9	40.1	3.2E-46

IPI00021329	WD repeat domain phosphoinositide-interacting protein 3	Q5MNZ6			1.09	1.09		1	4.1	0.000925
IPI00021338	70 kDa mitochondrial autoantigen of primary biliary cirrhosis	P10515	1.02	0.95	1.07	1.01	0.06	12	25.7	1.2E-209
IPI00021346	UbcH6	P51965	1.07	1.23	0.93	1.08	0.15	4	31.1	3.43E-17
IPI00021347	L-UBC	P68036		1.04	0.98	1.01	0.04	13	81.8	2E-102
IPI00021370	Huntingtin-interacting protein 2	P61086-1	1.08	0.96	1.03	1.02	0.06	9	44	1.5E-151
IPI00021389	Copper chaperone for superoxide dismutase	O14618	1.06	1.14	1.00	1.07	0.07	5	25.5	3.07E-62
IPI00021405	70 kDa lamin	P02545-1	1.33	1.19	1.28	1.27	0.07	64	78.9	0
IPI00021408	Diadenosine 5,5'-P1,P6-hexaphosphate hydrolase 2	Q9NZJ9-2		1.05	1.00	1.03	0.03	5	20.4	2.4E-23
IPI00021417	SNU66 homolog	O43290	1.02	0.97	1.03	1.01	0.03	19	31	0
IPI00021435	26S protease regulatory subunit 7	P35998	1.02	1.06	1.12	1.07	0.05	24	51.3	1E-275
IPI00021453	Lipid phosphate phosphohydrolase 3	O14495	0.92		1.19	1.05	0.19	1	4.2	0.001333
IPI00021458	EH domain-containing protein 3	Q9NZN3	1.03	1.29		1.16	0.18	12	28	1.56E-62
IPI00021475	Ras-related protein Rab-33B	Q9H082			1.05	1.05		2	10	5.11E-17
IPI00021537	Opioid growth factor receptor	Q9NZT2-1	1.00	1.11	1.04	1.05	0.05	6	12.4	4.2E-156
IPI00021570	Endothelial differentiation-related factor 1	O60869-1	1.12	1.21	1.11	1.14	0.06	6	43.2	4.08E-38
IPI00021626	RNA-binding motif protein 42	Q9BTD8-1	1.02	1.13	1.05	1.07	0.05	5	12.7	4.03E-53
IPI00021634	Kinesin light chain 2	Q9H0B6	0.92	1.08	1.00	1.00	0.08	14	25.7	6.92E-67
IPI00021685	ADP-ribosylation factor-like protein 6	Q9H0F7		0.47		0.47		2	11.8	0.000468
IPI00021695	Plasma membrane calcium ATPase isoform 1	P20020-1		1.12	1.08	1.10	0.03	12	12.8	3.3E-176
IPI00021700	Cyclin	P12004	1.08	1.19	1.17	1.15	0.06	16	60.5	0
IPI00021728	Eukaryotic translation initiation factor 2 subunit 2	P20042	0.96	0.93	0.89	0.92	0.04	21	57.7	0
IPI00021766	Foocen	Q9NQC3-1	1.17		0.95	1.06	0.16	7	9.6	3.2E-129
IPI00021785	Cytochrome c oxidase polypeptide Vb	P10606	1.04	1.03	1.05	1.04	0.01	5	24	9.06E-19
IPI00021805	Microsomal glutathione S-transferase 1	P10620	0.77	1.21		0.99	0.31	4	22.6	2.14E-31
IPI00021807	Acid beta-glucosidase	P04062-1	1.17	1.52	1.35	1.35	0.18	5	11.9	5.01E-92
IPI00021808	Histidine--tRNA ligase	P12081	0.89	1.01	1.01	0.97	0.07	21	43.6	3.9E-213
IPI00021812	Desmoyokin	Q09666	1.32	0.95	0.99	1.09	0.20	196	59.2	0
IPI00021828	CPI-B	P04080	1.09	1.15	1.15	1.13	0.03	4	55.1	2.2E-63

IPI00021831	cAMP-dependent protein kinase type I-alpha regulatory subunit	P10644	1.03	1.19	1.14	1.12	0.08	13	36	3.3E-110
IPI00021840	40S ribosomal protein S6	P62753	0.77	0.91	0.88	0.85	0.07	14	34.5	2.5E-211
IPI00021888	Histidine-rich membrane protein Ke4	Q92504	0.82	1.14	0.91	0.95	0.16	1	3	3.01E-26
IPI00021924	Histone H1x	Q92522	1.60	1.24	1.40	1.41	0.18	8	32.4	8.94E-68
IPI00021954	Golgi-specific brefeldin A-resistance guanine nucleotide exchange factor 1	Q92538	0.97	1.19	1.11	1.09	0.11	7	4.3	3.83E-33
IPI00021978	Peroxin-11B	O96011	1.06	1.26	1.18	1.17	0.10	4	15.4	2.82E-12
IPI00021983	Nicestrin	Q92542-1	1.29	0.91		1.10	0.27	2	2.8	6.16E-05
IPI00021985	Transmembrane 9 superfamily member 4	Q92544			0.78	0.78		2	5.6	1.44E-13
IPI00022002	cDNA FLJ54536, highly similar to Mitochondrial 28S ribosomal protein S27	B4DRT2	0.83	0.88	0.95	0.89	0.06	7	21.5	1.5E-101
IPI00022019	30 kDa Sin3-associated polypeptide	O75446			1.18	1.18		3	16.4	0.016072
IPI00022033	Gamma-SNAP-associated factor 1	Q9BXF6			0.89	0.89		1	4.3	1.23E-10
IPI00022048	CD9 partner 1	Q9P2B2	0.76			0.76		2	2.5	1.5E-05
IPI00022078	Differentiation-related gene 1 protein	Q92597	1.50	1.87	1.60	1.65	0.19	3	13.7	6.72E-69
IPI00022091	Anaphase-promoting complex subunit 6	Q13042-1		1.29	0.97	1.13	0.22	3	4.8	1.92E-19
IPI00022095	Embryonal carcinoma differentiation-regulated protein	Q86TG7-1		1.00	1.06	1.03	0.04	4	7.5	1.8E-139
IPI00022133	Erythrocyte membrane protein band 4.1-like 2	Q5JRN3	0.96			0.96		7	43.2	1.36E-70
IPI00022145	Nuclear ubiquitous casein and cyclin-dependent kinases substrate	Q9H1E3-1	1.55	1.51	1.52	1.53	0.02	2	11.1	4.12E-22
IPI00022164	Leukemia-associated RhoGEF	Q9NZN5-1	0.85	1.13		0.99	0.20	2	2.8	1.7E-05
IPI00022200	Collagen alpha-3(VI) chain	P12111-1	0.93	0.77	0.86	0.85	0.08	86	35.4	0
IPI00022202	Phosphate carrier protein, mitochondrial	Q00325-1	0.92	0.94		0.93	0.01	12	31.8	4.9E-136
IPI00022215	Activity-dependent neuroprotective protein	Q9H2P0	1.05	1.12	1.03	1.07	0.05	11	15.9	5.55E-49
IPI00022228	High density lipoprotein-binding protein	Q00341	0.84	0.98	0.97	0.93	0.08	33	32.2	0
IPI00022229	Apolipoprotein B-100	P04114			1.07	1.07		3	0.5	0.017366
IPI00022239	Methionine aminopeptidase 1	P53582	0.86	1.12	1.04	1.01	0.13	10	35	5.6E-166
IPI00022254	APG3-like	Q9NT62-1	0.88	1.09	0.91	0.96	0.11	7	25.5	7.63E-98
IPI00022256	Adapter-related protein complex 2 mu subunit	Q96CW1-1		1.12	1.17	1.15	0.04	15	36.8	1.6E-149
IPI00022265	Coiled-coil domain-containing protein 22	O60826	1.12	0.93	1.10	1.05	0.11	3	8.9	1.31E-59

IPI00022275	Phosphatidylinositide phosphatase SAC1	Q9NTJ5	0.88	0.82	1.02	0.91	0.10	8	12.6	9.86E-94
IPI00022277	Coiled-coil domain-containing protein 56	Q9Y2R0	0.92	0.85		0.88	0.05	3	26.4	5.58E-06
IPI00022305	Basic leucine zipper and W2 domain-containing protein 2	Q9Y6E2	0.86	0.92	1.12	0.97	0.14	7	18.4	2E-183
IPI00022314	Superoxide dismutase [Mn], mitochondrial	P04179	1.08	0.98	1.03	1.03	0.05	6	27.5	8.96E-35
IPI00022316	28S ribosomal protein S18-2, mitochondrial	Q9Y676	0.83	0.90	1.00	0.91	0.09	6	34.5	3.86E-77
IPI00022334	Ornithine aminotransferase, hepatic form	P04181	1.03	1.22	1.27	1.18	0.12	12	37.1	7.2E-138
IPI00022386	ATP-binding protein associated with cell differentiation	O14530	0.82	0.92	0.87	0.87	0.05	8	35.8	1.35E-47
IPI00022403	39S ribosomal protein L13, mitochondrial	Q9BYD1	1.00	0.90	0.98	0.96	0.05	8	48.9	2.36E-36
IPI00022418	Anastellin	P02751-1		1.08	1.14	1.11	0.04	81	42	0
IPI00022421	COX7a-related protein	O14548			0.95	0.95		2	40.4	2.25E-23
IPI00022442	Acyl carrier protein, mitochondrial	O14561		0.93	0.89	0.91	0.03	3	15.4	3.38E-27
IPI00022462	p90	P02786	0.80	0.68	0.88	0.79	0.10	13	23.4	0
IPI00022477	B-cell CLL/lymphoma 10	O95999	1.01	1.29	1.30	1.20	0.17	5	18.9	1.03E-33
IPI00022498	Metallothionein-2	P02795	0.53			0.53		4	50.8	4.05E-31
IPI00022536	90 kDa ribosomal protein S6 kinase 4	O75676-1	0.74	1.18		0.96	0.31	3	3.8	1.79E-06
IPI00022542	p160 ROCK-1	Q13464	1.15	1.13	1.14	1.14	0.01	12	11.1	2.6E-40
IPI00022543	GPI8 homolog	Q92643	1.10	1.14	1.32	1.19	0.12	4	10.9	1.25E-29
IPI00022558	Myelin protein zero-like protein 1	O95297-1	1.21	1.13	1.21	1.18	0.05	4	17.1	8.93E-47
IPI00022597	NEDD8 carrier protein	P61081	0.92	1.09	0.98	1.00	0.09	12	51.9	6.2E-134
IPI00022613	Nucleolar complex protein 14	P78316-1	1.00	1.02	0.89	0.97	0.07	4	6.1	4.16E-13
IPI00022628	cDNA, FLJ93207, highly similar to Homo sapiens microtubule-associated protein 7 (MAP7), mRNA	B2R704		0.37		0.37		2	3.2	0.021431
IPI00022629	Protein regulator of cytokinesis 1	O43663-1	1.31		1.91	1.61	0.42	3	7.9	4.58E-07
IPI00022648	Eukaryotic translation initiation factor 5	P55010	0.73	0.99	0.90	0.87	0.13	10	24.1	2.21E-53
IPI00022661	Herpes virus entry mediator B	Q92692-1	1.01			1.01		2	4.1	5.75E-06
IPI00022664	Geranylgeranyl transferase type II subunit alpha	Q92696		0.75	1.40	1.08	0.46	3	9.7	6.64E-18
IPI00022694	26S proteasome non-ATPase regulatory subunit 4	P55036-1	1.01	1.08	1.08	1.06	0.04	12	42.4	2.6E-198
IPI00022697	Developmentally-regulated GTP-binding protein 2	P55039	0.87	1.10	1.09	1.02	0.13	2	8.5	1.6E-84

IPI00022744	Cellular apoptosis susceptibility protein	P55060-1	0.99	1.02	1.02	1.01	0.02	36	38.9	0
IPI00022745	Mevalonate-PP decarboxylase	P53602	1.62	1.29	1.85	1.59	0.28	2	5.8	6.9E-131
IPI00022774	15S Mg(2+)-ATPase p97 subunit	P55072	1.01	1.11	1.11	1.07	0.06	53	75.2	0
IPI00022790	Microfibrillar-associated protein 1	P55081	1.23	1.17	1.10	1.16	0.07	5	13.2	3.93E-34
IPI00022793	3-ketoacyl-CoA thiolase	P55084	1.15	0.95	1.21	1.11	0.14	8	22.2	8.99E-29
IPI00022810	Cathepsin C	P53634	0.91	0.67	0.88	0.82	0.13	3	9.3	7.16E-62
IPI00022820	General transcription factor TFIIB	Q00403	0.82	1.22	1.22	1.09	0.23	8	30.4	3E-102
IPI00022824	Bax-interacting factor 1	Q9Y371-2		1.25		1.25		14	39.4	1.3E-165
IPI00022827	CTCL tumor antigen se20-9	Q9H2G2-1		1.01	1.03	1.02	0.01	4	3.6	0.00104
IPI00022865	Cyclin-A2	P20248			1.43	1.43		2	7.9	6.25E-21
IPI00022887	Endoplasmic reticulum-Golgi intermediate compartment protein 1	Q969X5-1	0.89	1.03	0.95	0.96	0.07	4	14.8	4.26E-85
IPI00022892	CDw90	P04216	1.08	1.07	1.09	1.08	0.01	2	18	1.91E-88
IPI00022919	Gene-rich cluster gene A protein	Q16538-1	0.92			0.92		2	3.7	0.004684
IPI00022963	CCNDBP1-interactor	O95926	1.01	1.17		1.09	0.12	4	16.5	3.68E-39
IPI00022990	Statherin	P02808	11.11			11.11		3	54.8	1.32E-13
IPI00023001	E2-induced gene 5 protein	Q96A26	1.12		0.86	0.99	0.18	6	40.3	3.58E-17
IPI00023006	Actin, alpha cardiac muscle 1	P68032	0.87	0.98	0.99	0.95	0.07	28	56.5	0
IPI00023020	Alpha-inhibin-31	P04279-1			0.36	0.36		3	10.8	6.9E-189
IPI00023064	Hormone-regulated proliferation-associated protein of 20 kDa	Q9P032	0.89	0.77	0.79	0.82	0.06	5	28.6	7.12E-65
IPI00023086	39S ribosomal protein L15, mitochondrial	Q9P015	0.87	0.96	0.96	0.93	0.05	7	31.4	5.09E-94
IPI00023087	Cell proliferation-inducing gene 50 protein	Q9NPD8	0.91	1.28	1.15	1.11	0.18	5	22.8	1.73E-14
IPI00023095	Myelodysplasia-myeloid leukemia factor 2	Q15773			1.18	1.18		1	4.8	9.99E-06
IPI00023101	Cell differentiation protein RCD1 homolog	Q92600		1.06	1.04	1.05	0.01	6	23.1	4.07E-56
IPI00023103	DSH homolog 2	O14641	0.94	1.52	1.28	1.25	0.29	4	7.6	1.04E-15
IPI00023122	LIM mineralization protein	Q9NR12-1	0.80	0.97	0.91	0.89	0.08	17	55.6	1.4E-129
IPI00023126	WD repeat-containing protein 46	O15213	0.81	0.94	0.94	0.89	0.07	6	17.2	9.1E-151
IPI00023138	p21-Rac3	P60763			1.23	1.23		8	40.6	2.8E-129
IPI00023161	39S ribosomal protein L46, mitochondrial	Q9H2W6		1.07	0.88	0.98	0.13	6	27.2	6.71E-79
IPI00023177	Chromatin assembly factor 1 subunit A	Q13111-1	1.15		1.12	1.13	0.02	3	7.2	1.54E-09

IPI00023191	cDNA FLJ54710, highly similar to Target of Myb protein 1	B4DKQ5	1.14	1.67	1.42	1.41	0.26	2	8	3.32E-56
IPI00023205	PRO2620	Q9H384	0.98	1.07	1.14	1.06	0.08	2	6.1	4.23E-46
IPI00023234	Anthracycline-associated resistance ARX	Q9UBT2	1.08	1.10	1.13	1.11	0.02	18	37.7	2.3E-184
IPI00023322	Apoptosis response zinc finger protein	Q92785	1.00	1.07	0.83	0.97	0.12	3	13.3	5.71E-90
IPI00023330	LisH domain and HEAT repeat-containing protein KIAA1468	Q9P260-2	0.93		1.23	1.08	0.21	4	4.6	3.03E-37
IPI00023334	39S ribosomal protein L4, mitochondrial	Q9BYD3-1	1.02	0.80	0.87	0.90	0.11	4	18	4.3E-138
IPI00023344	Symplekin	Q92797-1	1.11	1.19	1.10	1.13	0.05	8	12.1	1.2E-170
IPI00023406	Cytochrome c-type heme lyase	P53701	0.85	0.94	0.88	0.89	0.05	5	18.7	1.51E-27
IPI00023409	Nonsense mRNA reducing factor 3B	Q9BZI7-1		1.28	1.41	1.34	0.09	5	10.6	1.01E-33
IPI00023510	Ras-related protein Rab-5A	P20339	1.04	1.19	1.12	1.12	0.07	10	65.1	1E-270
IPI00023529	Cell division protein kinase 6	Q00534	0.47	0.68	0.69	0.61	0.12	7	28.5	6.64E-63
IPI00023530	Cell division protein kinase 5	Q00535	0.85	1.09	1.13	1.02	0.15	7	26	1.06E-45
IPI00023532	cDNA FLJ59743, weakly similar to Mus musculus spermatogenesis associated, serine-rich 2 (Spats2), mRNA	B4DRE6	0.98	1.18	1.00	1.05	0.11	8	18	4.35E-75
IPI00023542	Glycoprotein 25L2	Q9BVK6	0.87	1.00	1.05	0.97	0.09	9	40.4	1.5E-135
IPI00023556	RNA polymerase II subunit A C-terminal domain phosphatase SSU72	Q9NP77-1	0.72	1.22	1.21	1.05	0.28	3	16.5	1.03E-55
IPI00023591	Purine-rich single-stranded DNA-binding protein alpha	Q00577	1.16	0.98	1.05	1.06	0.09	7	28.3	2.8E-110
IPI00023598	Tubulin 5 beta	P04350	0.96	1.13	1.10	1.06	0.09	28	69.4	0
IPI00023605	Binder of Rho GTPases 5	Q00587-1	1.05	0.95	0.93	0.97	0.06	4	18.4	1.97E-54
IPI00023640	Programmed cell death protein 5	O14737		0.88	0.78	0.83	0.07	6	48	2.5E-286
IPI00023647	Monocyte protein 4	A0AVT1-1	0.95	1.02	1.04	1.01	0.05	32	36.7	1.3E-288
IPI00023649	Monocyte protein 3	A3KN83-1	1.13	1.36	0.92	1.14	0.22	4	4.8	3.46E-70
IPI00023704	LIM domain-containing preferred translocation partner in lipoma	Q93052	0.75	1.02	0.91	0.90	0.14	15	45.8	2.1E-170
IPI00023728	Conjugase	Q92820	1.08	0.87	1.00	0.98	0.11	5	20.4	6.79E-60
IPI00023832	Adapter protein HOFI	A1X283	1.34	1.44		1.39	0.07	4	7	9.71E-92
IPI00023860	NAP-1-related protein	P55209	0.89	0.88	0.88	0.88	0.01	10	25.8	7.5E-272
IPI00023876	Apoptotic protease Mch-2	P55212-1	0.92	1.33	1.07	1.10	0.21	5	20.8	3.54E-14
IPI00023919	26S protease regulatory subunit 8	P62195	0.96	1.05	1.05	1.02	0.05	20	56.9	0

IPI00023939	Guanine nucleotide exchange factor MSS4	P47224	1.14		1.22	1.18	0.06	1	8.9	0.002376
IPI00023972	DEAD box protein 47	Q9H0S4	0.89	0.92	1.07	0.96	0.10	10	31.2	4.6E-123
IPI00023974	Pituitary tumor-transforming gene 1 protein-interacting protein	P53801	1.29	1.12	1.22	1.21	0.09	3	20.6	6.02E-89
IPI00023987	Phosphopantothenate--cysteine ligase	Q9HAB8	1.30	1.11	1.17	1.19	0.10	6	20.9	2.38E-17
IPI00024006	Phosphoinositide 3-kinase adaptor protein	Q99570	1.10	1.13	0.92	1.05	0.11	4	3.9	1.67E-53
IPI00024067	Clathrin heavy chain 1	Q00610-1	1.00	1.00	1.00	1.00	0.00	77	47	0
IPI00024129	Cyclophilin C	P45877	1.16	1.26	1.42	1.28	0.13	4	18.4	6.62E-56
IPI00024143	Adracalin	Q9NRG9	0.73	1.01	0.83	0.86	0.14	9	20	4.6E-60
IPI00024157	25 kDa FK506-binding protein	Q00688	1.34	1.05	1.07	1.15	0.16	16	49.6	9.5E-282
IPI00024163	DNA-directed RNA polymerase III largest subunit	O14802			1.08	1.08		1	1.4	2.09E-10
IPI00024167	ABT1-associated protein	Q9H501	0.86	0.76	0.98	0.86	0.11	6	6.8	4.63E-15
IPI00024175	Proteasome subunit alpha type-7	O14818-1	1.00	1.05	1.03	1.02	0.03	19	65.7	0
IPI00024255	G patch domain and KOW motifs-containing protein	Q92917	0.98	1.20	0.99	1.06	0.12	10	31.9	1.9E-102
IPI00024279	HEAT repeat-containing protein 1	Q9H583	0.83	0.67	0.77	0.75	0.08	10	5.7	8.06E-67
IPI00024281	Component of gems 2	O14893-1		1.00		1.00		3	12.9	1.22E-05
IPI00024282	Ras-related protein Rab-8B	Q92930	1.16	1.42	1.48	1.35	0.17	9	44.4	2.3E-108
IPI00024283	FENS-1	Q8IWB7	0.87	0.92	1.10	0.96	0.12	6	20.7	1.37E-55
IPI00024284	Basement membrane-specific heparan sulfate proteoglycan core protein	P98160	0.59	1.15	0.83	0.86	0.28	4	1.2	2.18E-17
IPI00024291	Bcl2 antagonist of cell death	Q92934	1.50		1.19	1.34	0.22	1	9.5	4.57E-17
IPI00024307	Ephrin-B1	P98172	1.63			1.63		2	9	1.09E-15
IPI00024320	Putative RNA-binding protein 3	P98179	0.96	1.06	1.06	1.03	0.06	6	39.5	2.2E-99
IPI00024364	Importin beta-2	Q92973-1	0.82	1.00	0.98	0.93	0.10	19	25.2	0
IPI00024401	Deubiquitinating enzyme 13	Q92995	1.13	0.90	0.87	0.97	0.14	3	7.2	6.5E-38
IPI00024403	Copine III	O75131	1.10	1.22	1.12	1.15	0.07	17	40.2	2.2E-114
IPI00024417	Huntingtin-interacting protein 12	O75146	0.87	1.11		0.99	0.17	2	3	8.13E-62
IPI00024425	Putative uncharacterized protein KIAA0664	C9J6D7	0.73			0.73		6	5.2	5E-17
IPI00024462	Dihydroorotate dehydrogenase, mitochondrial	Q02127	1.18	0.60	0.65	0.81	0.32	3	11.4	1.39E-11
IPI00024466	UDP--Glc:glycoprotein glucosyltransferase	Q9NYU2-1	1.13	1.07	1.10	1.10	0.03	23	22.1	0
IPI00024502	Ataxin-1 ubiquitin-like-interacting protein A1U	Q9NRR5	1.57		1.14	1.35	0.31	4	10.6	1.25E-24

IPI00024523	DnaJ homolog subfamily B member 6	O75190-1	1.00	1.18	1.22	1.13	0.12	3	10.4	1.02E-15
IPI00024524	RNA-binding protein PNO1	Q9NRX1	0.66	0.90	0.85	0.80	0.12	5	26.2	4.6E-100
IPI00024551	UPF0480 protein C15orf24	Q9NPA0	0.99	0.92	1.01	0.97	0.04	5	24.8	2.24E-17
IPI00024579	E3 ubiquitin-protein ligase RAD18	Q9NS91	0.80	0.53	0.82	0.72	0.16	3	8.9	3.4E-29
IPI00024620	Enhancer of yellow 2 transcription factor homolog	Q9NPA8	1.00	1.10	1.06	1.05	0.05	4	37.6	9.01E-35
IPI00024642	Coiled-coil domain-containing protein 47	Q96A33-1	0.94	0.99	1.03	0.99	0.04	9	19.5	9.54E-38
IPI00024658	Cellular zinc finger anti-NF-kappa-B protein	Q6GQQ9		1.29	1.09	1.19	0.14	4	10.1	5.09E-62
IPI00024661	Protein transport protein Sec24C	P53992	0.96	1.20	1.05	1.07	0.12	13	17.6	8.64E-52
IPI00024662	Antigen p25	P45973	1.18	1.36	1.36	1.30	0.10	14	56.5	5.3E-154
IPI00024664	Deubiquitinating enzyme 5	P45974-1	1.02	1.20	1.15	1.12	0.09	25	41.6	0
IPI00024670	Polyposis locus protein 1	Q00765	0.82	1.16	1.19	1.06	0.21	9	31.2	2.29E-56
IPI00024674	c-Jun N-terminal kinase kinase 1	B2R7N7	1.05	1.19	1.24	1.16	0.10	6	19	4.23E-59
IPI00024698	38 kDa nuclear protein containing a WW domain	O60828-1	0.93	1.02	0.86	0.94	0.08	5	30.6	1.5E-160
IPI00024705	GAIP C-terminus-interacting protein	O14908	1.13	1.02	0.99	1.05	0.07	7	27	3.36E-56
IPI00024719	Histone acetyltransferase type B catalytic subunit	O14929	1.05	1.20	1.13	1.12	0.08	15	43.7	0
IPI00024742	Complex III subunit 8	O14949	0.98	0.92	0.99	0.96	0.04	4	24.4	1.37E-19
IPI00024775	Rab-7-like protein 1	O14966	1.11			1.11		2	10.3	1.06E-13
IPI00024781	Gastric cancer-related protein VRG107	P84101	1.14	1.43	1.18	1.25	0.16	2	32.2	8.57E-06
IPI00024816	Mitochondrial fission factor	Q9GZY8-2			0.86	0.86		5	33	2.13E-16
IPI00024821	26S proteasome non-ATPase regulatory subunit 14	O00487	0.94	1.05	1.07	1.02	0.07	5	31	4.76E-83
IPI00024871	Core-binding factor subunit beta	Q13951-2	0.88	1.14	1.10	1.04	0.14	6	34.2	8.4E-202
IPI00024911	Endoplasmic reticulum resident protein 28	P30040	1.24	1.05	1.13	1.14	0.10	15	49.8	3.8E-214
IPI00024913	ES1 protein homolog, mitochondrial	P30042-1	0.85	1.03		0.94	0.12	3	22.8	2.44E-55
IPI00024915	Alu corepressor 1	P30044-1	1.13	1.23	1.26	1.21	0.07	12	57.5	1.1E-240
IPI00024919	Antioxidant protein 1	P30048	0.95	1.02	1.06	1.01	0.05	8	37.5	1.7E-103
IPI00024920	ATP synthase subunit delta, mitochondrial	P30049	1.14	0.96	0.87	0.99	0.14	3	17.3	1.18E-48
IPI00024933	60S ribosomal protein L12	P30050-1	0.88	0.90	0.87	0.88	0.01	10	64.8	0
IPI00024934	Methylmalonyl-CoA isomerase	P22033	1.00	1.29	1.45	1.25	0.23	5	6.7	9.46E-14
IPI00024971	Oxysterol-binding protein 1	P22059-1	1.05	1.04	1.11	1.07	0.04	8	16.2	1.5E-103



IPI00024975	Kinesin-like protein 2	Q9NS87-1	0.96	1.35	1.01	1.11	0.21	4	3.3	7.06E-64
IPI00024976	1C9-2	Q9NS69	0.96	0.85	0.86	0.89	0.06	4	51.4	2.2E-210
IPI00024993	Enoyl-CoA hydratase 1	P30084	0.94	1.09	1.07	1.04	0.08	14	53.8	3.2E-257
IPI00025019	Macropain subunit C5	P20618	0.93	1.01	1.05	1.00	0.06	11	47.3	5.7E-193
IPI00025039	34 kDa nucleolar scleroderma antigen	P22087	0.91	0.81	0.87	0.87	0.05	14	42.4	1.1E-157
IPI00025049	46 kDa mannose 6-phosphate receptor	P20645	1.22	1.06	1.12	1.13	0.08	5	24.9	1.1E-145
IPI00025050	Tryptophanyl tRNA synthetase 2, mitochondrial	Q9UGM6	0.91		0.19	0.55	0.51	6	17.8	1.3E-19
IPI00025081	Ran guanine nucleotide release factor	Q9HD47-1			0.86	0.86		2	16.7	3.09E-05
IPI00025084	Calcium-activated neutral proteinase small subunit	P04632	1.01	1.12	1.13	1.09	0.07	15	71.3	0
IPI00025086	Cytochrome c oxidase polypeptide Va	P20674	0.94	1.00	0.95	0.96	0.03	6	37.3	1.22E-51
IPI00025087	Antigen NY-CO-13	P04637-1	1.21	1.35	1.34	1.30	0.08	15	37.9	9.8E-134
IPI00025091	40S ribosomal protein S11	P62280	0.78	0.98	0.92	0.89	0.10	20	72.8	5E-181
IPI00025156	Antigen NY-CO-7	Q9UNE7-1	1.04	1.19	1.16	1.13	0.08	6	21.5	2.73E-85
IPI00025158	Cohesin subunit SA-1	Q8WVM7		0.99		0.99		3	3.7	0.00661
IPI00025174	Antigen NY-CO-10	Q6UX04-1	1.08	1.03	1.01	1.04	0.03	4	12.9	1.65E-75
IPI00025176	30 kDa splicing factor SMNrp	O75940	1.40	1.04	0.89	1.11	0.26	4	34	1.08E-51
IPI00025178	Breast carcinoma-amplified sequence 2	O75934	0.95	0.96	0.93	0.94	0.02	12	48.4	4.3E-125
IPI00025239	Complex I-49kD	O75306	0.84	1.08	1.13	1.01	0.16	6	16.6	3.85E-73
IPI00025244	Zinc finger protein 259	O75312	0.95	0.85	0.86	0.89	0.06	9	19.4	5.9E-249
IPI00025252	58 kDa glucose-regulated protein	P30101	1.10	1.07	1.14	1.10	0.04	38	72.9	0
IPI00025257	Semaphorin 7A	O75326		0.62		0.62		1	2.3	0.000515
IPI00025273	5-phosphoribosylglycinamide transformylase	P22102-1	0.89	0.94	0.92	0.92	0.03	30	42	3.1E-193
IPI00025277	Apoptosis-linked gene 2 protein	O75340	1.10	1.16	1.15	1.14	0.04	8	52.4	1.39E-69
IPI00025285	Vacuolar proton pump subunit G 1	O75348	0.99	1.22	1.05	1.09	0.12	4	25.4	3.7E-109
IPI00025318	SH3 domain-binding glutamic acid-rich-like protein	O75368	1.14	1.37	1.38	1.30	0.14	14	85.1	1E-217
IPI00025329	60S ribosomal protein L19	P84098	0.89	0.89	0.85	0.88	0.03	13	36.2	6.4E-212
IPI00025340	Pyridoxal phosphate phosphatase	Q96GD0		1.15	1.06	1.10	0.07	6	25.3	1.5E-104
IPI00025344	Complex I-13kD-A	O75380	1.10	0.92	1.16	1.06	0.13	2	23.4	3.49E-17
IPI00025346	Peroxin-14	O75381-1	1.43	0.97	1.04	1.15	0.25	3	9.8	7.33E-23

IPI00025347	Nucleolar protein EMG1 homolog	Q92979	0.79	0.97	0.89	0.89	0.09	5	28.7	2.85E-61
IPI00025366	Citrate synthase, mitochondrial	O75390	0.88	0.96	0.98	0.94	0.05	14	26.4	1.11E-91
IPI00025418	Collagen alpha-1(VII) chain	Q02388-1	1.36	0.84	0.89	1.03	0.28	4	2.6	7.31E-29
IPI00025491	ATP-dependent RNA helicase eIF4A-1	P60842	0.86	0.87	0.92	0.88	0.03	27	61.3	0
IPI00025512	28 kDa heat shock protein	P04792	1.09	0.98	1.01	1.03	0.06	22	84.9	0
IPI00025616	DNA polymerase delta subunit 2	P49005	0.84	0.96	1.13	0.98	0.15	4	14.9	5E-118
IPI00025710	Uncharacterized protein C21orf59	P57076	0.76			0.76		4	18.6	1.11E-47
IPI00025712	TAK1-like protein	P57077-1			1.12	1.12		1	5	0.000965
IPI00025717	Metaxin-2	O75431	0.84	1.00	1.00	0.95	0.09	7	29.3	4.8E-221
IPI00025718	tRNA (guanine-N(7)-)-methyltransferase subunit WDR4	P57081-1	0.72	0.97	0.78	0.82	0.13	3	13.8	9.26E-52
IPI00025721	COP9 signalosome complex subunit 3	Q9UNS2	0.87	1.07	1.00	0.98	0.10	9	27.9	1.2E-235
IPI00025796	Complex I-30kD	O75489	1.11	0.97	1.04	1.04	0.07	14	50	4.9E-212
IPI00025807	SPR-2	Q02447-1			0.98	0.98		2	3.2	3.3E-51
IPI00025815	TAR DNA-binding protein 43	Q13148	0.95	1.23	1.19	1.12	0.15	10	38.5	7.3E-243
IPI00025849	Acidic leucine-rich nuclear phosphoprotein 32 family member A	P39687	1.10	1.00	1.02	1.04	0.05	15	43	0
IPI00025874	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase 67 kDa subunit	P04843	1.03	0.86	1.10	1.00	0.12	29	55	0
IPI00025890	Mitochondrial distribution and morphology protein 20	Q14CX7-1	1.04	1.04	0.86	0.98	0.11	10	13.8	2.19E-33
IPI00025974	Charged multivesicular body protein 4b	Q9H444	1.39	1.09	1.15	1.21	0.16	5	27.2	1.3E-187
IPI00026054	MAP kinase-activated protein kinase 2	P49137-1	1.03			1.03		2	5	0.01539
IPI00026087	Barrier-to-autointegration factor	O75531	0.88	1.15	1.14	1.06	0.15	4	42.7	1.4E-73
IPI00026089	Pre-mRNA-splicing factor SF3b 155 kDa subunit	O75533	1.09	1.05	1.09	1.08	0.02	35	31.7	2.2E-248
IPI00026105	Non-specific lipid-transfer protein	P22307-1	0.88	1.05	1.12	1.01	0.13	11	13.9	6.3E-101
IPI00026111	Transmembrane and coiled-coil domain-containing protein 1	Q9UM00-1	0.70	1.02	1.19	0.97	0.25	7	29.3	4.81E-26
IPI00026154	cDNA FLJ59211, highly similar to Glucosidase 2 subunit beta	B4DJQ5	1.30	0.97	1.02	1.09	0.18	22	45.4	0
IPI00026182	CapZ alpha-2	P47755	1.03	1.11	1.18	1.11	0.08	12	56.6	8.8E-219
IPI00026202	60S ribosomal protein L18a	Q02543	0.80	0.94	0.88	0.87	0.07	10	43.2	5.1E-149
IPI00026215	DNase IV	P39748	1.24	1.37	1.29	1.30	0.07	15	43.7	0

IPI00026216	Puromycin-sensitive aminopeptidase	P55786	1.14	1.12	1.17	1.14	0.02	23	32.5	0
IPI00026219	Cleavage and polyadenylation specificity factor 160 kDa subunit	Q10570	1.17	1.01	1.06	1.08	0.08	6	5.9	1.3E-114
IPI00026230	FTP-3	P55795	1.16	1.39	1.02	1.19	0.19	12	36.3	0
IPI00026262	p120GAP	P20936-1	0.97	0.92	1.04	0.98	0.06	6	7.4	5.13E-84
IPI00026268	Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1	P62873	1.18	1.51	1.43	1.37	0.17	12	50.3	0
IPI00026271	40S ribosomal protein S14	P62263	0.81	0.90	0.80	0.84	0.05	11	43	2.2E-101
IPI00026272	Histone H2A type 1-B/E	P04908		1.02	1.11	1.07	0.07	5	35.4	5.5E-181
IPI00026302	60S ribosomal protein L31	P62899			0.85	0.85		7	46.4	1.4E-103
IPI00026307	Cell division cycle 40 homolog	O60508	0.86	1.30	1.20	1.12	0.23	3	8.8	2.08E-22
IPI00026309	Geminin	O75496	1.29			1.29		3	19.1	1.07E-05
IPI00026314	Actin-depolymerizing factor	P06396-1	1.31	1.45	1.55	1.44	0.12	19	32.9	0
IPI00026320	E3 ubiquitin-protein ligase UBR5	O95071	0.94	0.92	1.10	0.99	0.10	3	1.9	6.08E-35
IPI00026328	Endoplasmic reticulum resident protein 18	O95881	1.25	1.07	1.07	1.13	0.10	9	47.1	6.5E-116
IPI00026337	Ran-binding protein 3	Q9H6Z4-1	1.41	1.12	1.06	1.20	0.19	9	20.6	1E-101
IPI00026448	Mitochondrial fission factor	Q9GZY8-1	0.68	1.00		0.84	0.23	3	19.6	1.55E-22
IPI00026496	Nucleoplasmin-3	O75607	1.07	0.72	0.82	0.87	0.18	2	14.6	5.43E-08
IPI00026512	Conserved ERA-like GTPase	O75616-1		0.96		0.96		4	9.6	4.62E-07
IPI00026513	Phosphoriboisomerase	P49247	0.98	0.81	0.98	0.92	0.10	5	19.3	9E-18
IPI00026516	3-oxoacid-CoA transferase 1	P55809		1.23	1.18	1.21	0.03	5	13.5	2.58E-21
IPI00026519	Cyclophilin F	P30405	0.82	0.93	0.91	0.89	0.06	7	32.9	1.1E-58
IPI00026530	ER-Golgi intermediate compartment 53 kDa protein	P49257	1.10	1.01	1.04	1.05	0.05	14	32.5	1.9E-111
IPI00026546	PAF acetylhydrolase 30 kDa subunit	P68402	1.16	1.18	1.16	1.16	0.01	6	26.2	3.82E-80
IPI00026555	Mitochondrial tRNA-specific 2-thiouridylase 1	O75648-1	1.01			1.01		2	6.9	0.000118
IPI00026570	Cytochrome c oxidase subunit 7A2, mitochondrial	P14406			0.96	0.96		2	20	1.79E-36
IPI00026606	Surfeit locus protein 6	O75683	1.08	0.96	1.11	1.05	0.08	5	22.7	1.85E-19
IPI00026612	Protein phosphatase 1B	O75688-1	1.02	1.51	1.19	1.24	0.25	5	10.6	1.1E-153
IPI00026625	155 kDa nucleoporin	O75694-1	0.94	0.96	0.90	0.93	0.03	15	12.9	1.5E-229
IPI00026627	Protein XRP2	O75695	1.10	1.14	1.38	1.21	0.15	5	11.7	2.02E-26

IPI00026665	cDNA FLJ75085, highly similar to Homo sapiens glutaminyl-tRNA synthetase (QARS), mRNA	A8K3A8	0.88	1.07	0.97	0.98	0.10	26	37.7	1.9E-198
IPI00026669	Membrane-anchored ubiquitin-fold protein	O95164	1.03			1.03		2	23.1	1.35E-65
IPI00026670	Elongin 18 kDa subunit	Q15370			1.18	1.18		8	97.5	2.72E-54
IPI00026689	Cell division control protein 2 homolog	P06493-1	1.08	1.21	1.22	1.17	0.07	14	50.8	2.2E-275
IPI00026781	[Acyl-carrier-protein] S-acetyltransferase	P49327	1.62	1.27	1.38	1.42	0.18	78	40.3	0
IPI00026813	CAAX farnesyltransferase subunit alpha	P49354-1	1.30	1.13	1.26	1.23	0.09	9	31.7	3.7E-114
IPI00026824	Heme oxygenase 2	P30519	0.99	1.20	1.02	1.07	0.11	8	29.5	3.2E-108
IPI00026829	Deoxyhypusine synthase	P49366-1		0.95	0.81	0.88	0.10	5	19.5	9.5E-119
IPI00026833	Adenylosuccinate synthetase isozyme 2	P30520	0.96	1.12	1.06	1.05	0.08	15	38.8	4.4E-219
IPI00026848	Alpha-2-macroglobulin receptor-associated protein	P30533	1.52	1.13	1.25	1.30	0.20	15	37.5	2.4E-142
IPI00026940	50 kDa nucleoporin	Q9UKX7	0.90	1.09	0.99	0.99	0.10	12	41.2	1.1E-144
IPI00026942	Endoplasmic reticulum lipid raft-associated protein 2	O94905-1	1.29	1.17	1.21	1.22	0.06	9	21.8	5.7E-105
IPI00026964	Complex III subunit 5	P47985	0.86	0.82	0.82	0.83	0.02	9	29.6	2.2E-264
IPI00026969	p125	Q9Y6Y8-1	0.96	1.17	1.22	1.12	0.14	6	8	4.35E-17
IPI00026970	Chromatin-specific transcription elongation factor 140 kDa subunit	Q9Y5B9	1.01	1.13	1.07	1.07	0.06	30	32.5	0
IPI00026993	E3 ubiquitin-protein ligase RING2	Q99496	1.12	1.43		1.28	0.22	3	12.8	2.12E-07
IPI00026994	PRA1 family protein 2	O60831	1.04	1.10	1.14	1.09	0.05	3	22.5	2.98E-28
IPI00027009	Protein kinase C and casein kinase substrate in neurons protein 2	Q9UNF0-1	1.03	1.13	1.12	1.09	0.06	12	25.9	8.08E-93
IPI00027014	Dynactin complex subunit 22 kDa subunit	O75935-1	1.12	1.13	1.12	1.12	0.01	6	26.3	2.76E-12
IPI00027032	Acyl-protein thioesterase 2	O95372	0.93	0.86	1.10	0.96	0.12	3	14.7	3E-10
IPI00027035	cDNA FLJ61157, highly similar to XPA-binding protein 1	B4DQM4	0.94	1.18	1.06	1.06	0.12	3	12.1	4.61E-47
IPI00027078	Carboxypeptidase D	O75976			0.87	0.87		3	4.8	8.18E-33
IPI00027096	39S ribosomal protein L15, mitochondrial	P49406	0.84	0.92	0.93	0.90	0.05	5	17.8	5.02E-12
IPI00027107	Elongation factor Tu, mitochondrial	P49411	0.90	0.95	0.93	0.93	0.02	25	58.2	0
IPI00027139	Inositol polyphosphate 1-phosphatase	P49441	0.88	1.19	1.25	1.10	0.20	2	7.3	3.44E-89
IPI00027142	Ribonuclease P protein subunit p20	O75817	0.87		1.12	1.00	0.17	1	10.7	7.46E-40
IPI00027166	TIMP metalloproteinase inhibitor 2	P16035	1.25		1.77	1.51	0.36	4	22.7	7.19E-35

IPI00027175	22 kDa protein	P30626	0.98	1.12	1.00	1.03	0.07	10	52	2.3E-145
IPI00027180	CAAX prenyl protease 1 homolog	O75844	0.77	0.97	1.13	0.96	0.18	5	9.5	5.1E-144
IPI00027192	cDNA, FLJ92537, highly similar to Homo sapiens procollagen-lysine, 2-oxoglutarate 5-dioxygenase (lysine hydroxylase, Ehlers-Danlos syndrome type VI) (PLOD), mRNA	B2R5M9	1.18	1.08	1.22	1.16	0.07	30	47.4	0
IPI00027194	Cell growth-inhibiting gene 9 protein	Q9P2W9		1.10		1.10		1	6.3	1.58E-08
IPI00027223	Cytosolic NADP-isocitrate dehydrogenase	O75874	1.43	1.69	1.67	1.60	0.15	22	57	0
IPI00027228	Cytochrome oxidase assembly factor PET112 homolog	O75879	0.89			0.89		2	4.7	5.13E-15
IPI00027230	94 kDa glucose-regulated protein	P14625	1.11	1.00	1.06	1.06	0.05	67	65.1	0
IPI00027233	Protein SCO1 homolog, mitochondrial	O75880	0.90	0.99	1.01	0.97	0.06	3	11	7.5E-17
IPI00027240	Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-5	P63218	1.92		1.94	1.93	0.01	3	26.5	0.000257
IPI00027251	NDR1 protein kinase	Q15208	1.12	1.19	1.34	1.21	0.12	5	17.8	1.05E-12
IPI00027252	B-cell receptor-associated protein BAP37	Q99623	0.93	0.85	0.94	0.91	0.05	19	64.9	0
IPI00027253	GABA(A) receptor-associated protein	O95166	1.05	1.21		1.13	0.11	2	19.7	4.71E-05
IPI00027255	Myosin light chain 1 slow-twitch muscle A isoform	P14649		0.85		0.85		9	46.6	1.1E-134
IPI00027269	Casitas B-lineage lymphoma proto-oncogene	P22681	1.15	1.17	0.84	1.05	0.18	10	14.6	1.56E-22
IPI00027270	60S ribosomal protein L26	P61254	0.91	0.94	0.93	0.93	0.02	16	55.9	4.18E-51
IPI00027280	DNA topoisomerase 2-beta	Q02880-1	1.15	1.12	1.16	1.14	0.02	19	14.5	1.3E-303
IPI00027342	Adenylyl cyclase-associated protein 2	P40123	0.88	1.12	1.03	1.01	0.12	9	26.4	2.59E-83
IPI00027350	Natural killer cell-enhancing factor B	P32119	1.27	1.15	1.19	1.21	0.06	7	33.8	2.4E-106
IPI00027415	DEAH box protein 36	Q9H2U1-1	0.90	1.05	0.96	0.97	0.08	10	12.8	2.4E-139
IPI00027434	Rho cDNA clone 9	P08134	0.86	1.16	1.09	1.04	0.16	12	49.2	1.9E-211
IPI00027438	Flotillin-1	O75955	1.19	0.99	1.19	1.12	0.12	3	9.1	1.46E-42
IPI00027442	Alanine--tRNA ligase	P49588	0.83	1.05	1.10	0.99	0.15	27	33.9	0
IPI00027443	cDNA FLJ54534, highly similar to Homo sapiens cysteinyl-tRNA synthetase (CARS), transcript variant 3, mRNA	B4DPV7	0.98	0.92	0.94	0.95	0.03	15	23.3	8.43E-69
IPI00027444	Leukocyte elastase inhibitor	P30740	1.43	1.44	1.40	1.42	0.02	6	24.5	3.31E-62
IPI00027445	Histidine--tRNA ligase	P49590			1.17	1.17		9	17.8	7.28E-28
IPI00027448	ATP synthase subunit g, mitochondrial	O75964	1.01	0.92	0.88	0.94	0.07	5	47.6	1.79E-38

IPI00027462	Calgranulin-B	P06702	10.60			10.60		2	24.6	0.000148
IPI00027463	Calcyclin	P06703	1.46			1.46		4	32.2	1.44E-07
IPI00027505	Integrin alpha-V	P06756-1	0.99	0.76	0.87	0.88	0.11	5	8.5	1.1E-195
IPI00027569	Heterogeneous nuclear ribonucleoprotein C-like 1	O60812	1.00			1.00		12	22.9	8.4E-136
IPI00027626	Acute morphine dependence-related protein 2	P40227	0.85	0.98	0.94	0.92	0.07	26	52.2	0
IPI00027681	Nicotinamide N-methyltransferase	P40261	0.87	1.08	1.00	0.98	0.11	10	47	0
IPI00027693	Nuclear body protein SP140-like protein	Q9H930-1		0.55	0.55	0.55	0.00	4	5	1.16E-06
IPI00027704	DNA primase 49 kDa subunit	P49642	0.92	0.98	0.91	0.94	0.04	5	15	2.06E-46
IPI00027705	DNA primase 58 kDa subunit	P49643-1	0.76	1.09	0.83	0.89	0.17	6	15.7	6.68E-29
IPI00027713	Cyclic AMP-responsive element-binding protein 1	P16220-1	1.43			1.43		3	8.8	7.27E-42
IPI00027717	Component of gems 4	P57678		0.97	1.07	1.02	0.07	8	7.1	4.2E-12
IPI00027718	DWF-1	P57679			1.07	1.07		1	1.6	0.009227
IPI00027745	Beta-G1	P08236-1		1.08		1.08		2	2.8	0.028168
IPI00027808	DNA-directed RNA polymerase II 140 kDa polypeptide	P30876	0.85	1.08	1.04	0.99	0.12	24	24.4	3.66E-98
IPI00027831	Glutamate-rich WD repeat-containing protein 1	Q9BQ67	0.90	0.83	0.87	0.87	0.04	7	23.1	8.59E-91
IPI00027834	Heterogeneous nuclear ribonucleoprotein L	P14866	0.99	1.06	1.03	1.03	0.04	22	52.3	0
IPI00027838	RNA-binding motif protein 30	Q9BQ04	1.09			1.09		10	28.4	1.1E-122
IPI00027851	cDNA FLJ53927, highly similar to Beta-hexosaminidase alpha chain (EC 3.2.1.52)	B4DVA7	1.28			1.28		3	8.1	6.67E-08
IPI00027898	Uncharacterized protein C21orf70	Q9NSI2-1	0.67	0.89	0.78	0.78	0.11	4	32.2	1.74E-41
IPI00027996	70 kDa WD repeat tumor rejection antigen homolog	P57737-1	1.05		1.26	1.16	0.14	3	8.8	2.39E-05
IPI00028004	Proteasome chain 13	P49720	1.21	1.07	1.11	1.13	0.07	8	33.2	6.8E-138
IPI00028005	107 kDa nucleoporin	P57740	0.87	1.10	1.02	1.00	0.12	11	17.1	1.9E-178
IPI00028006	Macropain subunit C7-l	P49721	0.91	1.01	1.03	0.99	0.06	10	45.3	8.6E-146
IPI00028031	cDNA FLJ56425, highly similar to Very-long-chain specific acyl-CoA dehydrogenase, mitochondrial (EC 1.3.99.-)	B4DEA8	0.86	1.04	1.14	1.01	0.14	22	39.4	0
IPI00028055	21 kDa transmembrane-trafficking protein	P49755	0.98	1.12	1.31	1.14	0.16	10	38.4	2.2E-157
IPI00028059	Protein numb homolog	P49757-1			1.11	1.11		2	3.8	2.8E-06
IPI00028065	Cytoplasmic protein NCK1	P16333		0.95	1.23	1.09	0.20	3	8.5	0.000222

IPI00028083	eIF-2B GDP-GTP exchange factor subunit beta	P49770	0.76	1.06	1.00	0.94	0.16	5	19.4	1.24E-98
IPI00028091	Actin-like protein 3	P61158	0.92	1.13	1.10	1.05	0.11	21	60.5	0
IPI00028099	Choroideraemia protein	P24386	1.09	1.00	1.08	1.06	0.05	6	12.7	1.7E-28
IPI00028122	CLL-associated antigen KW-7	O75475-1	1.62	1.28	1.35	1.41	0.18	19	39.1	0
IPI00028160	Hydroxymethylbilane synthase	P08397-1	1.08	0.82	1.02	0.97	0.13	2	11.1	2.1E-237
IPI00028264	Exocyst complex 84 kDa subunit	Q8IYI6		0.96	0.60	0.78	0.25	3	7.6	3.19E-33
IPI00028279	Testis-specific Y-encoded-like protein 5	Q86VY4	1.22		0.93	1.08	0.20	3	8.9	6.39E-18
IPI00028357	Exportin-4	Q9C0E2		0.75	0.75	0.75	0.00	3	3.2	6.11E-22
IPI00028366	Histone H3-K4 methyltransferase SETD7	Q8WTS6	0.92	0.59	0.97	0.82	0.21	3	8.7	1.93E-25
IPI00028376	Deafness dystonia protein 1	O60220	0.85	0.82	0.85	0.84	0.02	3	34	9.09E-17
IPI00028387	DDRGK domain-containing protein 1	Q96HY6-1		1.04	1.04	1.04	0.00	6	33.8	1.47E-64
IPI00028390	39S ribosomal protein L34, mitochondrial	Q9BQ48	0.99		0.70	0.85	0.20	2	23.9	1.71E-05
IPI00028412	Autoantigen p27	O60232	0.77	0.92	0.85	0.85	0.07	8	63.3	7E-217
IPI00028419	Adenovirus E1B19K-binding protein B5	O60238	1.49	1.53		1.51	0.03	3	16.1	3.32E-35
IPI00028481	Oncogene c-mel	P61006	1.00	1.17	1.09	1.08	0.08	11	48.3	1.1E-293
IPI00028520	Complex I-51kD	P49821-1	0.91	0.94	0.97	0.94	0.03	11	33.6	3.3E-143
IPI00028564	GTP-binding protein 1	P32455	0.73	1.07	1.20	1.00	0.24	19	27.2	1.2E-100
IPI00028635	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase 63 kDa subunit	P04844	1.00	0.96	1.13	1.03	0.09	14	36	0
IPI00028883	Complex I-ASHI	O95169	1.41	1.08	1.04	1.18	0.20	3	23.7	1.61E-07
IPI00028888	AU-rich element RNA-binding protein 1	Q14103-1	1.14	1.02	1.02	1.06	0.07	23	46.2	0
IPI00028911	Alpha-dystroglycan	Q14118	1.38			1.38		1	1.2	2.42E-05
IPI00028912	Putative transcription factor DB1	Q14119		0.97		0.97		1	2.7	3.34E-08
IPI00028955	Block of proliferation 1 protein	Q14137	0.79	0.84	0.70	0.78	0.07	14	26.1	3.3E-129
IPI00028957	Ubiquitin conjugation factor E4 A	Q14139-2	0.84	1.19	1.13	1.05	0.19	5	6.4	2.49E-82
IPI00028980	Unhealthy ribosome biogenesis protein 2 homolog	Q14146		0.34		0.34		2	1.8	0.000391
IPI00029002	SFT2 domain-containing protein 2	O95562	1.08	1.40		1.24	0.23	2	6.9	0.000293
IPI00029012	eIF3 p167	Q14152	0.95	0.88	0.94	0.92	0.04	47	32.8	0
IPI00029015	3-dehydrosphinganine reductase	Q06136		1.37		1.37		2	8.1	0.000214
IPI00029046	Malectin	Q14165	1.11	1.05	1.22	1.13	0.09	10	31.8	0

IPI00029048	Tubulin--tyrosine ligase-like protein 12	Q14166	0.88	0.99	0.79	0.88	0.10	11	25	2.38E-72
IPI00029054	Cytosolic 5-nucleotidase II	P49902		1.06		1.06		2	8.2	3.76E-08
IPI00029056	Selenide, water dikinase 1	P49903		0.80		0.80		4	18.1	1.51E-83
IPI00029079	Glutamine amidotransferase	P49915	0.90	0.97	0.93	0.93	0.04	33	58.3	0
IPI00029081	DNA ligase 3	P49916-1	0.92	0.97	0.87	0.92	0.05	10	12.2	1.31E-43
IPI00029091	Putative nucleoside diphosphate kinase	O60361	0.84	1.03		0.94	0.13	6	40.9	6.5E-136
IPI00029111	Collapsin response mediator protein 4 long variant	B3SXQ8	1.33	1.27	1.28	1.30	0.03	32	52	0
IPI00029133	ATP synthase subunit b, mitochondrial	P24539	1.04	0.93	1.05	1.01	0.07	12	35.5	8.3E-281
IPI00029144	PP2A subunit B isoform PR72/PR130	Q06190-1	1.52			1.52		2	1.7	0.001679
IPI00029159	cDNA FLJ38069 fis, clone CTONG2015434, highly similar to DOUBLE-STRAND BREAK REPAIR PROTEIN MRE11A	B3KTC7	0.94	1.23	1.19	1.12	0.15	6	10.1	1.71E-81
IPI00029264	Complex III subunit 4	P08574	1.17	0.73	1.02	0.97	0.22	6	25.8	1.19E-34
IPI00029266	Sm protein E	P62304	0.94	1.03	0.99	0.99	0.05	3	29.3	4.49E-64
IPI00029267	U2 small nuclear ribonucleoprotein B	P08579	1.09	1.07	1.11	1.09	0.02	6	32	1.54E-94
IPI00029275	Melanoma-associated antigen p97	P08582-1	1.12	1.13	1.33	1.19	0.12	5	9.2	3.73E-24
IPI00029400	Zinc finger protein 265	O95218-1	1.17	0.48	0.81	0.82	0.35	6	19.1	1.41E-18
IPI00029403	Sorting nexin-4	O95219	0.91	1.19	1.20	1.10	0.17	5	14.2	2.3E-205
IPI00029422	GG10_2	O95235	0.91	1.22	1.32	1.15	0.21	9	13.8	2.1E-161
IPI00029444	UPF0160 protein MYG1, mitochondrial	Q9HB07	0.98	1.02	0.95	0.99	0.04	9	30.9	5.48E-71
IPI00029447	28 kDa cis-Golgi SNARE p28	O95249	0.85	0.69	1.02	0.85	0.16	3	14.4	3.49E-07
IPI00029468	Actin-RPV	P61163	1.18	1.08	0.96	1.08	0.11	10	36.4	2.1E-216
IPI00029473	Protein Njmu-R1	Q9HAS0	0.88			0.88		2	6.3	2.74E-30
IPI00029513	Nucleolar protein 10	Q9BSC4-1		0.90	0.87	0.88	0.02	8	11.9	1.23E-13
IPI00029534	Amidophosphoribosyltransferase	Q06203	0.74	0.88	0.83	0.81	0.07	6	19.1	5.6E-120
IPI00029557	GrpE protein homolog 1, mitochondrial	Q9HAV7	0.81	0.78	0.85	0.81	0.03	11	59.9	7.4E-188
IPI00029558	Complex I-B14.5b	O95298	0.72	0.97		0.84	0.18	2	16.8	3.25E-05
IPI00029601	Amplaxin	Q14247	1.16	1.03	1.02	1.07	0.08	25	50.2	1.8E-295
IPI00029605	Chondroitinsulfatase	P34059	1.34		1.56	1.45	0.16	1	2.9	7.62E-07
IPI00029623	27 kDa prosomal protein	P60900	0.87	1.06	1.03	0.99	0.10	15	59.3	1.5E-211
IPI00029629	E3 ubiquitin/ISG15 ligase TRIM25	Q14258	1.02	1.32	1.15	1.16	0.15	13	22.4	9E-200



IPI00029631	Enhancer of rudimentary homolog	P84090	1.02	1.10	1.01	1.04	0.05	6	40.4	1.1E-164
IPI00029643	Human cervical cancer suppressor gene 4 protein	Q9NYL2-2	0.72	1.11	0.92	0.92	0.19	9	27.9	1.6E-204
IPI00029656	Inversely correlated with estrogen receptor expression 1	O60443-1			1.51	1.51		2	8.3	4.93E-19
IPI00029665	Cob(II)alamin adenosyltransferase	Q96EY8	1.53	1.44	1.42	1.46	0.06	3	14.4	7.36E-09
IPI00029697	Autoantigen PM/Scl 1	Q06265-2	0.92	1.13	1.04	1.03	0.11	4	11	3.76E-51
IPI00029723	Follistatin-like protein 1	Q12841	1.15	1.08	1.20	1.14	0.06	10	39.3	1.7E-162
IPI00029728	Basic transcription factor 2 80 kDa subunit	P18074			0.31	0.31		2	4.6	0.002019
IPI00029730	Renal carcinoma antigen NY-REN-31	Q12846	1.25	1.19	1.22	1.22	0.03	4	16.2	1.5E-28
IPI00029731	60S ribosomal protein L35a	P18077	0.80	0.86	0.84	0.84	0.03	8	40	2.07E-82
IPI00029733	20-alpha-hydroxysteroid dehydrogenase	Q04828	0.64	1.58	1.76	1.33	0.60	14	49.5	7.2E-189
IPI00029737	Long-chain acyl-CoA synthetase 4	O60488-1	1.21	1.35	1.25	1.27	0.07	17	28.8	1.5E-154
IPI00029744	PWP1-interacting protein 17	Q04837	0.89	0.93	1.04	0.95	0.08	7	51.4	3.9E-251
IPI00029764	SF3a60	Q12874	0.91	1.08	1.10	1.03	0.11	14	30.1	0
IPI00029997	6-phosphogluconolactonase	O95336	1.05	1.05	1.05	1.05	0.00	14	66.7	1.4E-301
IPI00030098	Protein FAM50A	Q14320	1.13	1.12	0.92	1.06	0.12	9	27.7	4.72E-59
IPI00030116	cDNA FLJ13370 fis, clone PLACE1000653, highly similar to Phosphoacetylglucosamine mutase (EC 5.4.2.3)	B3KN28	0.90	1.07	1.07	1.02	0.10	11	20.7	2.7E-161
IPI00030131	Lamina-associated polypeptide 2, isoforms beta/gamma	P42167-1	1.56	1.13	1.09	1.26	0.26	19	56.2	0
IPI00030182	Guanidinoacetate N-methyltransferase	Q14353	1.18	1.00	1.07	1.08	0.09	4	27.5	2.34E-31
IPI00030207	GDP-D-mannose dehydratase	O60547		1.13		1.13		2	7.8	1.18E-16
IPI00030255	Lysyl hydroxylase 3	O60568	1.10	1.10	1.16	1.12	0.04	14	23	2.9E-253
IPI00030275	Heat shock protein 75 kDa, mitochondrial	Q12931	0.88	0.81	0.88	0.86	0.04	25	39.5	0
IPI00030320	ATP-dependent RNA helicase p54	P26196	1.10	1.18	1.10	1.13	0.05	14	33.7	5E-286
IPI00030328	Serine racemase	Q9GZT4	0.97			0.97		3	14.1	5.69E-33
IPI00030355	Hemochromatosis candidate gene V protein	O60927	1.03			1.03		3	40.5	2.69E-39
IPI00030362	Differentiation-dependent protein A4	Q04941	2.74			2.74		2	18.4	2.71E-41
IPI00030363	Acetoacetyl-CoA thiolase	P24752	0.92	1.00	0.98	0.97	0.04	22	53.9	0
IPI00030364	STAF28	Q12962	1.39	1.12	0.94	1.15	0.23	2	15.6	1.8E-218
IPI00030371	RING finger protein 87	Q9C037-1	0.96			0.96		2	4.8	0.001187

IPI00030380	Basic transcription factor 2 62 kDa subunit	P32780		0.79		0.79		2	10.4	0.000647
IPI00030383	Activator of RNA decay	Q12972-1	1.32	1.18	1.08	1.19	0.12	4	17.4	8.09E-33
IPI00030389	Active breakpoint cluster region-related protein	Q12979-1		1.15	1.10	1.13	0.04	5	8.1	2.12E-82
IPI00030397	BCL2/adenovirus E1B 19 kDa protein-interacting protein 1	Q12981-1		1.03	0.93	0.98	0.06	6	25.8	1.44E-26
IPI00030481	Mediator complex subunit 10	Q9BTT4	1.10			1.10		2	21.5	0.003314
IPI00030654	Cleavage and polyadenylation specificity factor 68 kDa subunit	Q16630-2	1.16	1.09	1.02	1.09	0.07	10	21.1	7.5E-233
IPI00030702	Isocitrate dehydrogenase [NAD] subunit alpha, mitochondrial	P50213-1	0.74	0.92	0.99	0.88	0.13	8	26.8	1.52E-94
IPI00030706	Activator of 90 kDa heat shock protein ATPase homolog 1	O95433	0.90	1.09	0.96	0.98	0.10	10	33.4	1E-123
IPI00030770	Chromosome 21 leucine-rich protein	O95456-1	0.73	1.01	0.90	0.88	0.14	7	23.6	2.38E-85
IPI00030781	Signal transducer and activator of transcription 1-alpha/beta	P42224-1	1.03	1.26	1.26	1.18	0.13	18	28.8	1.3E-119
IPI00030783	Signal transducer and activator of transcription 5A	P42229	0.86		0.86	0.86	0.00	2	3.7	2.41E-49
IPI00030820	39S ribosomal protein L47, mitochondrial	Q9HD33-1	0.97	0.83	0.93	0.91	0.07	4	16.8	9.43E-40
IPI00030851	Protein transport protein Sec24B	O95487-1	0.91	0.99	0.98	0.96	0.05	6	7.4	3.6E-191
IPI00030877	15 kDa selenoprotein	O60613-1	0.58	0.55	0.55	0.56	0.02	3	24.8	1.32E-48
IPI00030915	Deubiquitinating enzyme 8	P40818		1.23	0.92	1.07	0.22	9	10.7	2.23E-23
IPI00030920	GDP-mannose pyrophosphorylase B	Q9Y5P6-1			1.08	1.08		11	36.4	2E-166
IPI00030968	Uncharacterized protein C9orf142	Q9BUH6-1	1.27	1.04	0.95	1.09	0.16	3	19.6	1.18E-35
IPI00030985	Protein FAM96A	Q9H5X1			1.14	1.14		3	21.2	2.71E-30
IPI00031000	Vitamin K epoxide reductase complex subunit 1	Q9BQB6-1		1.00	1.14	1.07	0.10	1	8	2.58E-25
IPI00031023	Protein flightless-1 homolog	Q13045	0.97	1.12	1.05	1.05	0.08	23	25.9	0
IPI00031064	Transmembrane protein 126A	Q9H061	0.87	0.93	0.94	0.92	0.04	8	23.1	1.31E-55
IPI00031109	B17.2-like	Q8N183	1.23	0.78	0.82	0.94	0.25	11	63.3	1.4E-85
IPI00031115	Golgin subfamily A member 1	Q92805	1.12			1.12		2	2.7	5.89E-05
IPI00031118	Alkylated DNA repair protein alkB homolog 7	Q9BT30		1.18	1.14	1.16	0.03	2	20.8	1.84E-48
IPI00031127	Protein YIPF4	Q9BSR8		0.92	1.16	1.04	0.17	2	7.4	0.002898
IPI00031131	Adipocyte plasma membrane-associated protein	Q9HDC9-1	0.98	1.10	1.22	1.10	0.12	16	45.2	1.9E-121
IPI00031138	Protease-associated domain-containing protein of 21 kDa	Q9BSG0		1.03		1.03		1	6.4	8.13E-06

IPI00031169	Ras-related protein Rab-2A	P61019	0.97	1.02	1.12	1.04	0.08	12	64.6	1.3E-302
IPI00031242	Protein transport protein Sec16A	O15027-5	1.12			1.12		4	4.5	5.46E-14
IPI00031357	Protoporphyrinogen oxidase	P50336	1.13			1.13		2	7.8	1.57E-11
IPI00031370	Tubulin beta-2B chain	Q9BVA1	1.13		1.09	1.11	0.03	30	76.4	0
IPI00031397	Long-chain acyl-CoA synthetase 3	O95573	1.53	1.31	1.36	1.40	0.12	21	35.3	3.1E-207
IPI00031420	UDP-glucose 6-dehydrogenase	O60701	1.06	1.31	1.31	1.22	0.14	25	62.1	0
IPI00031461	cDNA FLJ60299, highly similar to Rab GDP dissociation inhibitor beta	B4DLV7	1.01	1.08	1.02	1.04	0.04	25	67.3	0
IPI00031479	Protein disulfide isomerase-related protein	Q14554		1.22	1.37	1.30	0.11	5	10.2	7.49E-36
IPI00031508	ATP-dependent RNA helicase DHX8	Q14562	1.15	1.38	0.90	1.15	0.24	4	5.4	1.55E-20
IPI00031514	Activator 1 36 kDa subunit	P40937		1.24	1.01	1.13	0.16	8	31.5	5.05E-90
IPI00031516	GA-binding protein subunit beta-1	Q06547-1			1.18	1.18		1	2.3	0.003971
IPI00031517	DNA replication licensing factor MCM6	Q14566	1.09	1.21	1.17	1.16	0.06	33	40.2	3E-269
IPI00031519	CXXC-type zinc finger protein 9	P26358-1		0.97	0.99	0.98	0.01	27	19.4	9.7E-192
IPI00031521	Activator 1 38 kDa subunit	P40938	0.95	1.12	1.13	1.07	0.10	10	34.6	4.1E-208
IPI00031522	78 kDa gastrin-binding protein	P40939	0.93	1.14	1.14	1.07	0.12	26	41.8	0
IPI00031526	Uncharacterized protein C19orf43	Q9BQ61	1.27	1.06	1.09	1.14	0.12	12	49.4	1.67E-65
IPI00031527	Protein MIS12 homolog	Q9H081		1.17	1.47	1.32	0.21	3	14.6	2.08E-24
IPI00031554	ATP-dependent RNA helicase DDX50	Q9BQ39	1.21	0.98	1.00	1.06	0.13	5	9.6	4.88E-76
IPI00031556	Splicing factor U2AF 65 kDa subunit	P26368-1	1.00	0.97	0.99	0.99	0.01	10	34.1	3.8E-194
IPI00031558	Adenosine diphosphoribose pyrophosphatase	Q9BW91-1	0.94			0.94		2	7.4	4.66E-10
IPI00031563	DET1- and DDB1-associated protein 1	Q9BW61			1.17	1.17		2	29.4	4.34E-05
IPI00031564	Cytochrome c-releasing factor 21	O75223-1	1.03	1.08	1.01	1.04	0.04	8	37.8	9.3E-111
IPI00031566	Centromere protein M	Q9NSP4-1		1.20		1.20		3	18.3	2.62E-14
IPI00031612	rRNA-processing protein UTP23 homolog	Q9BRU9-1			0.88	0.88		1	4.4	2.36E-21
IPI00031614	DNA replication complex GINS protein SLD5	Q9BRT9-1	1.07	1.07	1.07	1.07	0.00	7	39.9	1.97E-55
IPI00031615	Protein LAPS18-like	Q9BRT6	1.07		0.68	0.88	0.27	2	10.9	9.76E-24
IPI00031616	HBV XAg-transactivated protein 4	Q9BRT3		1.28		1.28		1	5.3	3.95E-05
IPI00031617	Breast cancer-associated protein SGA-81M	Q9BRT2	0.97			0.97		3	25.4	7.68E-28
IPI00031618	Protein DDI1 homolog 2	Q5TDH0-3			1.19	1.19		1	4.5	7.44E-30

IPI00031622	Coiled-coil-helix-coiled-coil-helix domain-containing protein 6	Q9BRQ6	1.21	1.06	0.97	1.08	0.12	10	52.8	1.3E-135
IPI00031627	DNA-directed RNA polymerase II subunit A	P24928	0.82	0.99	1.24	1.02	0.21	14	10.5	1.3E-216
IPI00031629	HTPHLP	Q9H2J4	0.80	0.85	0.85	0.83	0.03	5	25.1	2.36E-35
IPI00031647	Programmed cell death protein 2-like	Q9BRP1		1.06		1.06		2	7.8	0.001583
IPI00031650	NUDT16-like protein 1	Q9BRJ7-1	0.99	1.11	1.18	1.09	0.10	6	33.2	3.52E-25
IPI00031651	Uncharacterized protein C7orf50	Q9BRJ6	1.11	1.00	0.98	1.03	0.07	10	48.5	3.99E-92
IPI00031655	Dermal papilla-derived protein 9	Q9BRG1	0.86	1.13	1.01	1.00	0.13	5	23.9	3.25E-67
IPI00031661	NOC4-like protein	Q9BVI4	0.96	0.89	0.80	0.88	0.08	8	26.2	2.1E-131
IPI00031670	Nervous system over-expressed protein 20	Q8IWE2	1.12	1.25	1.17	1.18	0.07	14	36.8	1E-245
IPI00031679	Uncharacterized protein C3orf26	Q9BQ75		0.80	0.70	0.75	0.07	5	17.9	2.73E-09
IPI00031680	Acyl-CoA-binding domain-containing protein 6	Q9BR61	1.69	1.19		1.44	0.35	3	15.2	9.96E-86
IPI00031681	Cell division protein kinase 2	P24941	1.05	1.42	1.36	1.28	0.20	10	42.3	7.59E-98
IPI00031691	60S ribosomal protein L9	P32969	0.81	0.95	0.89	0.88	0.07	8	37	1.68E-45
IPI00031697	Mitsugumin-23	Q9BVC6	1.29	1.07	1.20	1.19	0.11	6	13.2	9.6E-66
IPI00031708	Beta-diketonase	P16930	0.80	1.14	1.09	1.01	0.18	7	20.3	2.23E-82
IPI00031768	Protein Hook homolog 3	Q86VS8	0.97	1.10	1.13	1.07	0.08	10	19.5	4.6E-138
IPI00031801	Cold shock domain-containing protein A	P16989-1	0.87	0.73	0.73	0.78	0.08	11	45.7	0
IPI00031812	CCAAT-binding transcription factor I subunit A	P67809	1.09	0.76	0.80	0.88	0.18	20	64.2	0
IPI00031820	CML33	Q9Y285	0.96	0.89	0.91	0.92	0.03	9	19.7	6.8E-139
IPI00031836	Developmentally-regulated GTP-binding protein 1	Q9Y295	0.83	0.99	0.93	0.92	0.08	17	49	0
IPI00031960	A190	O95602		0.82	0.86	0.84	0.02	3	2.6	8.8E-19
IPI00032003	Emerin	P50402	1.24	1.05	1.04	1.11	0.11	12	46.9	6.3E-286
IPI00032038	Carnitine O-palmitoyltransferase 1, liver isoform	P50416-1	0.63	0.78	0.92	0.78	0.14	5	7.4	1.84E-48
IPI00032064	AKAP-KL	Q9Y2D5-4	1.02	0.76	0.88	0.89	0.13	9	12.8	9.8E-260
IPI00032134	Cytoplasmic antiproteinase 2	P50452	0.94	1.31	1.29	1.18	0.20	5	14.2	3.52E-77
IPI00032140	47 kDa heat shock protein	P50454	1.11	1.00	1.16	1.09	0.08	28	64.8	0
IPI00032206	LIM protein RIL	P50479-1	0.80	1.00	0.96	0.92	0.10	10	41.2	7.92E-81
IPI00032230	4.1B	Q9Y2J2-1	0.97	1.22	1.00	1.06	0.14	11	13.7	1.29E-45
IPI00032293	Cystatin-3	P01034	1.16	1.72	1.35	1.41	0.28	2	19.2	3E-05

IPI00032304	Intestine-specific plastin	Q14651		1.05		1.05		7	11.3	7.24E-91
IPI00032314	L antigen family member 3	Q14657	1.20		0.98	1.09	0.16	2	27.3	8.15E-72
IPI00032342	TRIP12 protein	Q14CA3	0.72	0.93	0.96	0.87	0.13	9	6	2.3E-252
IPI00032355	Pumilio homolog 1 (Drosophila)	Q5T1Z8	0.78	1.12	0.94	0.95	0.17	9	9.6	3.55E-43
IPI00032387	DNA replication complex GINS protein PSF1	Q14691	1.07	1.20	1.03	1.10	0.09	4	20.9	1.2E-113
IPI00032406	Cell cycle progression restoration gene 3 protein	O60884	0.81	1.12	1.06	0.99	0.17	10	25.5	3.4E-40
IPI00032423	ATP-dependent RNA helicase ROK1-like	Q9Y2R4	0.70	1.18	1.06	0.98	0.25	6	18.4	6.5E-181
IPI00032459	Adapter-related protein complex 3 mu-1 subunit	Q9Y2T2	1.03	1.23	1.50	1.25	0.24	5	20.1	1.6E-31
IPI00032460	Protein G7b	Q9Y333	0.80	1.04		0.92	0.16	4	40	1.78E-90
IPI00032491	Inner nuclear membrane protein Man1	Q9Y2U8			0.97	0.97		5	8.8	1.84E-11
IPI00032498	Dynactin subunit 5	Q9BTE1		1.17		1.17		3	15.4	5.62E-09
IPI00032533	WD repeat-containing protein 18	Q9BV38	0.86	1.05	1.03	0.98	0.10	6	13.4	1.1E-12
IPI00032561	Calcium-binding protein 39	Q9Y376	0.89	0.89	0.96	0.92	0.04	16	34.9	1.8E-285
IPI00032563	GC-box-binding zinc finger protein 1	Q9Y2X9	0.84	0.90	0.84	0.86	0.03	4	8.9	1.38E-46
IPI00032597	RNA-binding motif protein, X-linked 2	Q9Y388	1.10		1.06	1.08	0.03	3	10.9	6.36E-21
IPI00032635	Protein FAM61B	Q9BX40-1	1.24	1.03	0.83	1.03	0.20	2	9.6	2.92E-45
IPI00032780	Intersex-like protein	Q9NX70		0.83	1.12	0.98	0.21	3	17.6	1.9E-149
IPI00032791	Ribonuclease P protein subunit p29	O95707	1.08	1.16		1.12	0.06	3	15	3.4E-101
IPI00032799	Gastric cancer antigen Zg14	Q9Y3A4	0.75		0.77	0.76	0.01	4	16	1.31E-45
IPI00032808	Ras-related protein Rab-3D	O95716	1.26	1.27	1.18	1.24	0.05	8	37	4.7E-137
IPI00032823	3-5 exoribonuclease CSL4 homolog	Q9Y3B2	0.89	1.02	1.03	0.98	0.07	5	35.4	9.5E-164
IPI00032826	Hsc70-interacting protein	P50502	1.08	0.90	1.01	1.00	0.09	12	31.7	2.3E-190
IPI00032827	Pre-mRNA branch site protein p14	Q9Y3B4	0.91	1.20	1.09	1.07	0.15	4	39.2	2.85E-84
IPI00032830	Oligoribonuclease, mitochondrial	Q9Y3B8-1	0.80	0.96	0.94	0.90	0.09	13	39.7	1.06E-65
IPI00032831	Soluble 29 kDa NSF attachment protein	O95721	1.16	1.09	1.09	1.11	0.04	9	43	6.41E-78
IPI00032848	Coiled-coil domain-containing protein 53	Q9Y3C0		1.29		1.29		1	7.2	3.95E-24
IPI00032849	HBV pre-S2 trans-regulated protein 3	Q9Y3C1	0.94	0.77	0.78	0.83	0.10	6	38.2	6.5E-113
IPI00032851	Coatomer subunit zeta-1	P61923	0.96	0.86	1.07	0.96	0.10	5	31.6	2.7E-227
IPI00032853	H/ACA ribonucleoprotein complex subunit 3	Q9NPE3	0.81	0.91	0.77	0.83	0.07	3	62.5	5.48E-15
IPI00032872	28S ribosomal protein S16, mitochondrial	Q9Y3D3		0.78		0.78		2	22.6	1.1E-21

IPI00032875	Electron transfer flavoprotein-ubiquinone oxidoreductase, mitochondrial	Q16134			0.81	0.81		1	3.4	7.23E-05
IPI00032879	Adenylate kinase isoenzyme 6	Q9Y3D8		0.79	0.70	0.74	0.06	3	19.8	7.69E-56
IPI00032881	28S ribosomal protein S23, mitochondrial	Q9Y3D9	0.97	0.81	0.89	0.89	0.08	8	53.7	2.3E-111
IPI00032911	21 kDa TBP-like protein	P62380	0.97		1.16	1.07	0.13	2	16.1	1.09E-72
IPI00032955	RING finger protein 114	Q9Y508-1	0.78	1.08	1.00	0.95	0.15	8	39.5	1E-165
IPI00032959	Glycerol-3-phosphate dehydrogenase 1-like protein	Q8N335	1.06		1.11	1.08	0.03	2	5.4	5.43E-05
IPI00032966	Bridging integrator 3	Q9NQY0-1			1.05	1.05		2	8.7	2.29E-11
IPI00032970	Oxysterol-binding protein-related protein 11	Q9BXB4	1.25	1.52	1.20	1.32	0.17	5	9.1	2.51E-25
IPI00032995	LanC-like protein 2	Q9NS86	0.86	1.22	1.10	1.06	0.18	7	20	5.4E-170
IPI00033022	Dynamin-2	P50570-1	1.14		1.12	1.13	0.01	19	28.9	3.8E-243
IPI00033030	110 kDa cell membrane glycoprotein	Q16186	0.95	1.14	0.99	1.02	0.10	7	15	3.24E-72
IPI00033036	Initiation factor 2-associated 67 kDa glycoprotein	P50579	0.86	1.10	0.98	0.98	0.12	22	53.3	0
IPI00033054	CTD small phosphatase-like protein 2	Q05D32-1		1.18	1.38	1.28	0.15	4	7.9	2.66E-44
IPI00033130	SUMO-activating enzyme subunit 1	Q9UBE0	1.03	1.06	1.13	1.07	0.05	17	54.6	1.3E-201
IPI00033132	CKII beta-binding protein 1	Q9UBF6-1			1.19	1.19		2	18.6	3.45E-58
IPI00033143	eIF-3 p25	Q9UBQ5	0.85	0.90	1.00	0.91	0.08	5	26.1	1.6E-170
IPI00033153	mRNA export factor TAP	Q9UBU9	0.94	1.16	1.12	1.07	0.12	10	24.7	1E-124
IPI00033466	C-type lectin domain family 11 member A	Q9Y240		0.90		0.90		3	13.3	4.91E-09
IPI00033516	Gamma-ring complex protein 104 kDa	Q96CW5-1	1.01	1.33		1.17	0.23	2	4.6	4.42E-10
IPI00033561	RNA-binding protein with serine-rich domain 1	Q15287-1	1.43	1.06	1.04	1.17	0.22	2	10.2	7.7E-52
IPI00033600	Protein phosphatase 1 regulatory subunit 22	Q15435-1	1.21	1.17	1.21	1.20	0.02	8	30.3	2.4E-205
IPI00033892	GDNF-inducible zinc finger protein 1	Q9H116		1.25		1.25		2	1.4	0.029171
IPI00034006	His domain-containing protein tyrosine phosphatase	Q9H3S7	1.03	1.17	1.14	1.11	0.07	6	5.7	4.7E-38
IPI00034049	ATP-dependent helicase RENT1	Q92900-1	0.93	1.05	1.06	1.01	0.07	36	37.2	0
IPI00034069	Dimethyladenosine transferase 2, mitochondrial	Q9H5Q4			0.79	0.79		3	8.3	6.15E-10
IPI00034181	B5T-overexpressed gene protein	O75884-1	1.01			1.01		2	11.3	0.004445
IPI00034277	Probable cation-transporting ATPase 13A1	Q9HD20-1	0.98	0.93	0.89	0.93	0.05	3	3.5	5.68E-07
IPI00034319	Acetylcholinesterase-associated protein	O60888-2	1.24	1.17	1.03	1.15	0.11	2	14.1	8.92E-17

IPI00035167	Ribosomal protein L1	A8MXH3			1.36	1.36		6	17.1	1.07E-16
IPI00036742	Protein virilizer homolog	Q69YN4-1		1.10	1.25	1.17	0.11	5	3.8	1.07E-40
IPI00037448	Glyoxylate reductase/hydroxypyruvate reductase	Q9UBQ7	0.95	1.03	0.99	0.99	0.04	14	48.2	0
IPI00037599	Alpha-globin transcription factor CP2	Q12800-1	1.05	1.13	0.84	1.01	0.15	4	11.4	1.03E-43
IPI00038378	2,3-diketo-5-methylthio-1-phosphopentane phosphatase	Q9UHY7-1	0.97	1.12	1.07	1.05	0.08	6	21.5	2.1E-152
IPI00041127	Anti-silencing function protein 1 homolog B	Q9NVP2	1.52	1.79	1.75	1.69	0.15	3	28.7	7.32E-81
IPI00041325	H/ACA ribonucleoprotein complex subunit 2	Q9NX24	0.98	0.91	0.87	0.92	0.05	7	39.2	3.3E-289
IPI00042099	Pygopus homolog 2	Q9BRQ0	1.62		1.33	1.47	0.20	2	8.4	1.13E-07
IPI00042580	Apolipoprotein O	Q9BUR5-1	0.99	1.07	1.05	1.04	0.04	5	23.7	7.55E-33
IPI00043563	LisH domain-containing protein C16orf63	Q96NB1	0.79			0.79		1	8.6	4.22E-05
IPI00043565	Coiled-coil domain-containing protein 16	Q96NB3	1.64	1.28	1.43	1.45	0.18	4	13.4	8.19E-69
IPI00043598	Inhibitor of nuclear factor kappa-B kinase-interacting protein	Q70UQ0-4	0.92	0.90	0.89	0.90	0.02	13	38.5	7.9E-165
IPI00043622	FERM domain-containing protein 6	Q96NE9-1			1.50	1.50		2	5.8	4.49E-17
IPI00044761	Pseudouridylate synthase 7 homolog	Q96PZ0		0.80	0.71	0.76	0.07	3	7.7	6.31E-67
IPI00045051	Purine-rich element-binding protein B	Q96QR8	0.93	1.19	1.06	1.06	0.13	7	35.9	1.8E-106
IPI00045207	BTB/POZ domain-containing protein 14B	Q96RE7		1.58	1.07	1.33	0.36	2	6.1	2.44E-08
IPI00045219	SH3 and PX domain-containing protein 3B	Q96RF0-1	1.32	0.92	0.79	1.01	0.28	2	4.6	5.73E-25
IPI00045496	Deubiquitinating enzyme 28	Q96RU2-1	1.04	1.25		1.15	0.15	4	5.7	1.22E-15
IPI00045511	Chloride channel CLIC-like protein 1	Q96S66-1	1.16	1.23	1.05	1.14	0.09	3	9.8	6.4E-116
IPI00045550	Neurabin-2	Q96SB3	1.27	1.28	1.01	1.19	0.16	4	9.2	1.9E-114
IPI00045839	Growth suppressor 1	Q32P28-3			1.24	1.24		16	26.9	1.6E-175
IPI00045914	Msx2-interacting protein	Q96T58	3.40		0.91	2.15	1.76	2	0.9	1.94E-15
IPI00045917	Protein cereblon	Q96SW2-1	0.91		0.82	0.87	0.06	3	9.3	6.32E-05
IPI00045946	ATP-dependent metalloprotease FtsH1	Q96TA2-1	0.72	0.99	1.05	0.92	0.18	6	13.1	1.3E-211
IPI00046057	Syntaxin binding protein 1	P61764-2			1.33	1.33		4	7	7.7E-11
IPI00046828	Coiled-coil domain-containing protein 58	Q4VC31	0.74	0.86	0.85	0.82	0.07	3	25.7	8.31E-40
IPI00054042	Bruton tyrosine kinase-associated protein 135	P78347-1	1.07	1.09	1.08	1.08	0.01	31	34.4	6.4E-138
IPI00055405	Alkylated DNA repair protein alkB homolog 2	Q6NS38	0.90			0.90		1	8.8	1.59E-94

IPI00056334	Cavin-3	Q969G5	1.46	1.10	1.19	1.25	0.19	11	49.8	1.1E-100
IPI00056357	Interleukin-25	Q969H8	0.92	1.14	1.11	1.06	0.12	4	23.7	5.49E-60
IPI00056496	Ras-related protein Rab-24	Q969Q5	1.00		1.04	1.02	0.03	2	12.3	2.08E-14
IPI00056499	Zinc finger protein 622	Q969S3	1.52	1.17	0.86	1.18	0.33	2	6.1	9.54E-24
IPI00056505	Cytosolic 5-nucleotidase III-like protein	Q969T7			0.99	0.99		2	5.8	0.007086
IPI00057097	Deoxynucleotidyltransferase terminal-interacting protein 1	Q9H147	1.19			1.19		2	8.8	7.05E-34
IPI00058192	GDP-fucose protein O-fucosyltransferase 1	Q9H488-1	0.98	1.00	1.21	1.06	0.13	5	17.5	6.12E-43
IPI00059242	Synapse-associated protein 1	Q96A49	0.95	0.93	0.91	0.93	0.02	13	39.2	1.2E-278
IPI00059264	Vacuolar protein sorting-associated protein 26B	Q4G0F5	1.20	0.81		1.00	0.28	3	10.7	2.8E-13
IPI00059279	Exocyst complex component 4	Q96A65	0.84	1.02	1.03	0.96	0.11	4	6.3	4.24E-28
IPI00059292	Protein mago nashi homolog 2	Q96A72	1.01	1.01	0.96	0.99	0.03	8	58.8	5.83E-98
IPI00059762	Lysophospholipase-like protein 1	Q5VWZ2-1	0.83		1.09	0.96	0.19	3	15.2	2.39E-07
IPI00059764	Enzyme-like protein PIT13	Q96B54-1		1.31	1.11	1.21	0.14	2	16.5	8.21E-42
IPI00060031	ADP-ribosylation factor-like protein 10B	Q96BM9	1.35			1.35		4	22.6	5.13E-25
IPI00060148	Coiled-coil domain-containing protein 127	Q96BQ5		0.57		0.57		2	8.1	0.011216
IPI00060181	EF-hand domain-containing protein D2	Q96C19	1.20	1.07	1.06	1.11	0.08	18	54.2	2.9E-230
IPI00060200	Aldose 1-epimerase	Q96C23	1.35	1.28	1.25	1.29	0.05	4	16.4	3.88E-36
IPI00060423	Collagen triple helix repeat-containing protein 1	Q96CG8-1		1.20	1.23	1.21	0.02	5	23.9	2.54E-30
IPI00060521	FLYWCH family member 2	Q96CP2	1.64	1.31	1.16	1.37	0.25	6	66.4	9.88E-16
IPI00060545	Mitochondrial intramembrane cleaving protease PARL	Q9H300-1		0.97	0.92	0.95	0.03	2	8.7	4.31E-24
IPI00060569	2-arachidonoylglycerol hydrolase	Q8N2K0-2	1.14	1.17	1.25	1.19	0.05	3	9.2	5.24E-45
IPI00060627	Coiled-coil domain-containing protein 124	Q96CT7	1.33	1.13	1.02	1.16	0.16	8	33.2	1.07E-50
IPI00061108	Ribosome-recycling factor, mitochondrial	Q96E11-1	0.84	0.73	0.81	0.79	0.05	5	21.4	1.45E-39
IPI00061111	BLM-associated protein of 18 kDa	Q96E14-1	1.65	1.54	1.61	1.60	0.06	2	16.3	0.000134
IPI00061168	Ankyrin repeat domain-containing protein 40	Q6AI12	1.00			1.00		2	9.2	1.19E-34
IPI00061245	28S ribosomal protein S10, mitochondrial	P82664	1.00			1.00		1	6	0.000122
IPI00061356	Arsenite-related gene 1 protein	Q96EA4-1			1.00	1.00		2	5	0.000318
IPI00061492	Uncharacterized protein C7orf30	Q96EH3	1.05	0.79	0.92	0.92	0.13	1	9	1.19E-19
IPI00061525	Glucosamine 6-phosphate N-acetyltransferase	Q96EK6	0.78	0.99	0.92	0.90	0.11	6	39.7	2.6E-150



IPI00061528	Protein KTI12 homolog	Q96EK9		1.06	1.06	1.06	0.00	3	12.4	1.26E-73
IPI00061531	39S ribosomal protein L53, mitochondrial	Q96EL3	0.79	0.94	0.93	0.89	0.08	6	49.1	7.51E-68
IPI00061623	Beta-SGT	Q96EQ0	0.95			0.95		4	15.1	3.38E-06
IPI00061780	Atrophin-1-interacting protein 4	Q96J02-1	1.00	1.04	1.01	1.02	0.02	9	13	6.78E-70
IPI00062120	Aging-associated gene 13 protein	Q96FQ6	1.14	1.17	1.32	1.21	0.09	6	38.8	8.11E-41
IPI00062599	60 kDa BRG-1/Brm-associated factor subunit A	Q96GM5-1		1.10	1.00	1.05	0.07	4	10	3.8E-108
IPI00062866	Zinc finger CCCH-type antiviral protein 1-like	Q96H79-1	1.03	0.97	1.12	1.04	0.07	4	18.7	2.38E-14
IPI00063130	Transmembrane protein 205	Q6UW68	1.01	0.76	0.89	0.89	0.12	2	16.9	3.25E-09
IPI00063213	Mediator complex subunit 30	Q96HR3	1.50		1.58	1.54	0.06	2	11.8	8.32E-31
IPI00063219	H/ACA ribonucleoprotein complex non-core subunit NAF1	Q96HR8	1.12			1.12		2	5.3	7.61E-08
IPI00063334	Transmembrane protein 41A	Q96HV5		0.93		0.93		2	10.6	0.001814
IPI00063667	Biorientation defective protein 1	Q96IK1-1	1.16			1.16		3	23.8	3.18E-11
IPI00063729	hTREX45	Q96J01	0.79		1.14	0.97	0.25	5	17.2	3.51E-18
IPI00063784	Vesicle transport through interaction with t-SNAREs homolog 1B	Q9UEU0-1	1.18	1.26	1.23	1.22	0.04	4	23.3	1.4E-184
IPI00063827	Abhydrolase domain-containing protein 14B	Q96IU4-1		1.19		1.19		2	16.7	1.42E-28
IPI00063903	HCV F-transactivated protein 2	Q96IX5	1.05			1.05		2	27.6	3.6E-215
IPI00063962	Protein DPCD	Q9BVM2		0.88		0.88		2	10.3	4.19E-06
IPI00064086	EEF1D protein	Q4VBZ6	0.97	0.85	0.79	0.87	0.09	13	58.4	0
IPI00064158	Brain-derived tau kinase	Q5TCY1-1			1.01	1.01		2	2.2	0.009079
IPI00064162	Deubiquitinating protein VCIP135	Q96JH7		1.12	1.17	1.14	0.03	6	6.5	2.75E-39
IPI00064193	Protein disulfide-isomerase TMX3	Q96JJ7-1	1.03	0.97	1.03	1.01	0.03	11	30.2	6.4E-194
IPI00064212	Zinc finger protein 828	Q96JM3	1.08	1.56	1.32	1.32	0.24	5	8.9	2.87E-13
IPI00064767	Rho GTPase-activating protein 17	Q68EM7-1	1.22	1.12	1.23	1.19	0.06	14	28.3	1.2E-100
IPI00065276	Alveolar soft part sarcoma chromosomal region candidate gene 1 protein	Q9BZE9-2	1.09	1.08	0.99	1.05	0.05	9	25.7	2.5E-106
IPI00065500	BRO1 domain-containing protein BROX	Q5VW32	1.18	1.24	1.23	1.22	0.03	4	15.3	9.4E-110
IPI00065671	Cytidine monophosphokinase 2	Q9BZX2-1	0.59	0.83	0.79	0.74	0.13	7	41	2.2E-123
IPI00068506	ATP-binding cassette, sub-family F (GCN20), member 2, isoform CRA_d	Q75MJ1	0.72	0.97		0.84	0.17	3	5.5	1.71E-11
IPI00069084	350/400 kDa PCAF-associated factor	Q9Y4A5-1	0.17			0.17		3	0.9	0.000272

IPI00069309	Leucine-rich repeat and WD repeat-containing protein 1	Q9UFC0	1.18	1.00	1.17	1.12	0.10	3	6.7	4.55E-08
IPI00069734	Zinc finger matrin-type protein 2	Q96NC0	1.21	1.20	1.33	1.25	0.07	7	28.6	2.32E-11
IPI00069817	Bromodomain adjacent to zinc finger domain protein 1B	Q9UIG0-1	0.90	1.19	1.03	1.04	0.14	15	13.8	1E-131
IPI00070643	FAS-associated factor 1	Q9UNN5-1	0.85	0.81	0.92	0.86	0.05	4	6.5	1.83E-09
IPI00070943	Phosphatidylinositol 4-kinase alpha	P42356-1			1.01	1.01		2	1.6	0.020429
IPI00071189	Cell division cycle 2-like protein kinase 1	P21127-1	1.21	1.17	1.03	1.14	0.09	11	14.1	3.16E-45
IPI00071318	Putative RNA-binding protein Luc7-like 1	Q9NQ29-1	1.02	0.81	0.90	0.91	0.11	9	27.2	3.4E-158
IPI00071697	CAAT box DNA-binding protein subunit C	Q13952-1			1.27	1.27		2	4.6	0.000246
IPI00071824	CTCL tumor antigen se20-10	Q8WWK9-1	0.87	1.41	1.31	1.19	0.29	3	6.1	4.16E-25
IPI00072044	Ester hydrolase C11orf54	Q9H0W9-1	1.17			1.17		3	10.5	1.16E-05
IPI00072534	GCUNC-45	Q9H3U1-1		1.38	1.26	1.32	0.08	5	6.9	2.38E-36
IPI00073179	Vacuolar protein sorting-associated protein 33A	Q96AX1	0.77		0.94	0.86	0.13	4	10.1	1.19E-11
IPI00073602	Exosome complex exonuclease MTR3	Q5RKV6	1.12	0.95	0.98	1.02	0.09	11	40.8	2E-135
IPI00073779	28S ribosomal protein S28, mitochondrial	P82673-1	0.97	0.93	0.74	0.88	0.13	4	21.4	4.37E-27
IPI00073958	CB1 cannabinoid receptor-interacting protein 1	Q96F85-1	0.89	0.99	1.05	0.98	0.08	7	58.5	5.96E-90
IPI00074010	Putative uncharacterized protein QTRTD1	C9JJ71	1.03	1.03	0.88	0.98	0.09	6	21.1	3.82E-64
IPI00074258	Microtubule-associated serine/threonine-protein kinase-like	Q96GX5-1		1.27		1.27		2	3.3	1.07E-11
IPI00074587	40 kDa SR-repressor protein	O75494-1	1.17	1.07	0.93	1.06	0.12	5	21.8	6.45E-35
IPI00074604	FK506-binding protein-associated protein	Q92990-1		1.13	0.97	1.05	0.12	5	10.6	1.1E-35
IPI00075081	Fanconi anemia group D2 protein	Q9BXW9-1		1.12	1.11	1.12	0.01	4	3.3	2.17E-06
IPI00083708	BAT2 domain-containing protein 1	Q9Y520-7			0.80	0.80		19	8.8	1.88E-55
IPI00084571	39S ribosomal protein L39, mitochondrial	Q9NYK5-2	0.80	0.96	0.94	0.90	0.09	5	16.1	2.48E-26
IPI00084828	Syntaxin binding protein 1	P61764-1		1.39		1.39		2	3.2	0.000224
IPI00090327	Vacuolar protein sorting-associated protein 45	Q9NRW7	0.79	1.04	1.22	1.02	0.22	6	14.4	2.88E-16
IPI00093057	Coproporphyrinogen-III oxidase, mitochondrial	P36551	0.91	1.04	0.99	0.98	0.06	13	31.7	5.2E-205
IPI00094740	RING finger protein 31	Q96EP0-1	0.81	0.76		0.79	0.03	3	4.9	3.59E-12
IPI00095891	Adenylate cyclase-stimulating G alpha protein	Q5JWF2-1	1.25		1.18	1.21	0.05	9	11.4	8.7E-46

IPI00096066	GTP-specific succinyl-CoA synthetase subunit beta	Q96I99	1.04	1.18	1.10	1.11	0.07	10	23.4	4E-102
IPI00097490	UPF0407 protein C2orf39	Q96MC2	1.18			1.18		2	2.7	0.003177
IPI00097495	Prostate antigen recognized and identified by SEREX 1	Q9BYX2	1.12		0.95	1.04	0.12	3	4.1	6.18E-10
IPI00098524	Enzyme-like protein PIT13	B5MDW3	1.55			1.55		1	6.6	0.00071
IPI00098827	Heat shock protein beta-11	Q9Y547	1.07	1.28	1.22	1.19	0.11	3	27.8	1.02E-54
IPI00099131	Rotavirus X-associated non-structural protein	Q9UGR2-1	0.91	1.11	1.06	1.03	0.11	4	6	3.51E-44
IPI00099311	tRNA (adenine-N(1)-)-methyltransferase non-catalytic subunit TRM6	Q9UJA5-1		0.90	0.81	0.86	0.06	2	7.2	1.77E-28
IPI00099463	Sphingosine-1-phosphate aldolase	O95470			1.19	1.19		2	6.2	7.5E-08
IPI00099497	Transcription factor MafF	Q9ULX9	1.30		1.76	1.53	0.32	5	39	1.11E-31
IPI00099550	Protein linking IAP with cytoskeleton 1	Q9UMX0-1	1.22	0.97	0.94	1.04	0.15	7	14.8	9.1E-161
IPI00099871	39S ribosomal protein L40, mitochondrial	Q9NQ50	1.45	0.99	0.96	1.13	0.27	4	24.8	3.26E-12
IPI00099986	Fructosamine-3-kinase-related protein	Q9HA64	1.04	1.43	1.21	1.23	0.20	5	15.9	4.09E-12
IPI00099996	HBV pre-S2 trans-regulated protein 2	Q7L0Y3	0.80	0.87	0.99	0.89	0.10	8	25.8	2E-124
IPI00100030	GPI transamidase component PIG-T	Q969N2-1	1.06		1.13	1.10	0.05	5	8	3.9E-28
IPI00100106	Protein Ric-8A	Q9NPQ8-3	0.86			0.86		10	27.2	5.2E-219
IPI00100151	5-3 exoribonuclease 2	Q9H0D6-1	0.90	1.08	1.05	1.01	0.10	19	21.8	8E-160
IPI00100160	Cullin-associated and neddylation-dissociated protein 1	Q86VP6-1	1.02	1.00	1.08	1.04	0.04	48	41.6	0
IPI00100213	p53-inducible ribonucleotide reductase small subunit 2-like protein	Q7LG56-1		1.33	2.03	1.68	0.49	4	14.8	9.88E-12
IPI00100239	DORA reverse strand protein	Q9H1A3-1		1.00		1.00		2	8.2	4.11E-05
IPI00100247	Thioredoxin domain-containing protein 13	Q9H1E5	1.27	1.10		1.19	0.12	1	3.7	1.41E-08
IPI00100313	CSN12-like protein	Q5JVF3-4	0.73	1.18		0.95	0.31	3	8.4	1.14E-40
IPI00100460	Aspartate--tRNA ligase	Q6PI48	0.79	0.91	1.01	0.90	0.11	7	15.3	5.56E-37
IPI00100656	Synaptic glycoprotein SC2	Q9NZ01-1		0.89		0.89		3	9.4	5.97E-05
IPI00100673	Charged multivesicular body protein 3	Q9Y3E7		1.16	1.18	1.17	0.01	4	18.9	2.85E-05
IPI00100716	60 kDa poly(U)-binding-splicing factor	Q9UHX1-2	1.08	0.97	0.98	1.01	0.06	18	43.7	9.4E-239
IPI00100731	Protein SH(2)A	Q9H788	0.71	0.97	0.86	0.85	0.13	7	17.2	2.15E-23
IPI00100748	Heat shock protein-binding protein 1	Q9NZL4-1	0.90	1.12	0.96	0.99	0.11	8	23.5	4.2E-141

IPI00100775	UPF0366 protein C11orf67	Q9H7C9-1	1.16		1.28	1.22	0.09	3	30.3	1E-141
IPI00100796	Charged multivesicular body protein 5	Q9NZZ3	1.35	1.17	1.09	1.20	0.14	8	34.2	1.16E-98
IPI00100930	cDNA FLJ58610	B4DRA4	1.23			1.23		1	6.1	2.88E-24
IPI00100947	Leukocyte receptor cluster member 1	Q96BZ8	1.20	0.70		0.95	0.35	4	18.9	8.86E-35
IPI00100980	EH domain-containing protein 2	Q9NZN4	1.27	1.58	1.61	1.48	0.19	19	41.3	6E-192
IPI00100984	HEAT repeat-containing protein 3	Q7Z4Q2-1		1.08	0.90	0.99	0.13	2	3.5	0.000974
IPI00101037	EF-hand calcium-binding protein RLP49	Q96D15	1.40	1.03	1.03	1.15	0.22	11	37.2	6.9E-247
IPI00101106	COMM domain-containing protein 5	Q9GZQ3			1.09	1.09		2	10.3	2.72E-24
IPI00101186	RRP12-like protein	Q5JTH9-1	0.75	0.75	0.79	0.76	0.02	10	9.1	9.35E-49
IPI00101374	MP70 protein family member	O15321	0.97	0.96		0.97	0.01	3	3.8	3.29E-57
IPI00101524	ELL-associated protein of 30 kDa	Q96H20-1	0.79	1.15	1.01	0.99	0.18	5	18.2	1.9E-148
IPI00101608	Cysteine-rich with EGF-like domain protein 1	Q96HD1-2		1.18		1.18		2	6.6	9.37E-05
IPI00101645	Putative adenosylhomocysteinase 3	Q96HN2	0.99			0.99		5	7.4	3.26E-18
IPI00101652	Selenocysteine lyase	Q96I15-1	1.13		0.81	0.97	0.22	2	7.6	1.69E-05
IPI00101664	Asparagine--tRNA ligase	Q96I59	1.42		0.43	0.93	0.70	2	6.5	1.28E-08
IPI00101961	Myosin light polypeptide 6-like		0.97			0.97		3	15.9	1.67E-46
IPI00101968	Cervical mucin-associated protein	Q9UJU6-3		1.11		1.11		12	35.1	2.8E-286
IPI00102036	ADP-ribosylation factor-like protein 5B	Q96KC2		1.01		1.01		3	16.2	3.02E-06
IPI00102059	Coated vesicle-associated kinase of 90 kDa	Q96KG9-1	0.99	1.15	1.02	1.05	0.09	12	21.2	1.57E-96
IPI00102069	Eukaryotic translation initiation factor 3 subunit M	Q7L2H7	0.69	0.80	0.76	0.75	0.06	10	25.4	3.2E-241
IPI00102096	Stromal membrane-associated protein 1	Q8IYB5-1	1.08			1.08		2	5.4	1.87E-07
IPI00102173	UbcH8	Q96LR5	0.86	1.01	0.91	0.93	0.08	6	34.3	1.2E-139
IPI00102182	Zinc finger FYVE domain-containing protein 21	Q9BQ24-2		1.37		1.37		1	7.9	7.45E-05
IPI00102313	Steroid receptor RNA activator 1	Q9HD15	0.99	1.06	1.08	1.04	0.05	6	27.8	1.15E-41
IPI00102425	Cyclin-dependent kinase inhibitor 2B-related protein	Q96P16-1	1.01	1.18	1.16	1.12	0.09	12	35.9	2.1E-190
IPI00102495	cDNA FLJ76264, highly similar to Homo sapiens mediator of RNA polymerase II transcription, subunit 6 homolog (yeast) (MED6), mRNA	A8K3N2		1.11		1.11		3	14.6	2.7E-05
IPI00102501	AT1 receptor-associated protein	Q6RW13-1	1.17		1.19	1.18	0.02	1	13.8	9.21E-48
IPI00102660	Progressive external ophthalmoplegia 1 protein	Q96RR1-1	1.60			1.60		2	3.1	0.017577

IPI00102661	Hepatocellular carcinoma-associated antigen 90	Q96RR5	1.12	1.24	1.12	1.16	0.07	17	27.8	4.8E-149
IPI00102752	One-twenty two protein 1	Q96T37-1	1.18	1.04	1.16	1.13	0.07	11	17.5	3.38E-56
IPI00102815	Factor for adipocyte differentiation 24	Q8WTT2	0.99	0.75	0.83	0.86	0.12	6	11.2	6.38E-60
IPI00102856	Stromal membrane-associated protein 1-like	Q8WU79-1		1.17		1.17		2	4.7	0.000919
IPI00102864	Hexokinase type II	P52789	0.84	0.96	0.89	0.90	0.06	14	19.3	1.39E-85
IPI00102896	Ras-related protein Rab-2B	Q8WUD1	1.07	1.19	1.23	1.16	0.08	9	47.2	1E-180
IPI00102897	Rab-like protein 3	Q5HYI8	1.12	1.08	1.17	1.13	0.05	4	21.6	4.77E-91
IPI00102909	Protein FAM172A	Q8WUF8-1		1.31	1.08	1.20	0.17	3	13.7	0.000534
IPI00102962	Protein canopy homolog 4	Q8N129		0.87		0.87		2	9.3	0.000289
IPI00102991	cDNA FLJ61322, highly similar to RNA-binding motif, single-stranded-interacting protein 1	B4DN88			0.86	0.86		5	12.4	6.73E-33
IPI00103026	PRMT3 protein	Q8WUV3	0.64	0.97	0.93	0.84	0.18	4	8.4	2.37E-11
IPI00103057	Protein FAM36A	Q5RI15-2		1.02	0.87	0.95	0.10	2	20	1.39E-33
IPI00103059	K562 cell-derived leucine-zipper-like protein 1	Q8WUY8	1.65	1.07	1.24	1.32	0.30	2	15.5	5.4E-51
IPI00103064	Exocyst complex component 7	Q9UPT5-3	1.03	1.15	0.99	1.06	0.08	5	12.1	4.78E-49
IPI00103065	MIT domain-containing protein 1	Q8WV92		1.12		1.12		2	11.2	7.32E-34
IPI00103087	Gem-associated protein 6	Q8WXD5	0.80	0.85	0.79	0.81	0.03	4	28.1	2.22E-30
IPI00103090	Replicative senescence down-regulated leo1-like protein	Q8WVC0-1	1.39			1.39		3	5.3	7.4E-27
IPI00103142	NudC domain-containing protein 2	Q8WVJ2	1.21	1.29	1.22	1.24	0.04	4	26.8	4.5E-156
IPI00103145	Class A basic helix-loop-helix protein 39	Q8WVJ9			2.54	2.54		2	10	2.12E-11
IPI00103171	Tumor necrosis factor alpha-induced protein 8-like protein 1	Q8WVP5	1.20			1.20		2	12.4	8.17E-20
IPI00103247	Heterogeneous nuclear ribonucleoprotein L-like	Q8WVV9-1	1.01	1.09	1.16	1.09	0.07	9	25.6	1.63E-90
IPI00103252	Protein FAM28A	Q6NW29	1.05	0.95	0.93	0.98	0.06	3	15.4	2.45E-14
IPI00103341	Probable tRNA pseudouridine synthase 1	Q8WVWH5		1.16		1.16		3	8.9	4.53E-07
IPI00103467	Aldehyde dehydrogenase 5	P30837	0.78	0.83	0.82	0.81	0.03	14	35	6.1E-303
IPI00103483	Cofactor of BRCA1	Q8WX92	1.25	1.33	1.11	1.23	0.11	7	18.1	1.43E-61
IPI00103509	NADH dehydrogenase ubiquinone 1 alpha subcomplex	Q8WXC9	0.91			0.91		3	10	1.48E-05
IPI00103521	Stoned B	Q8WXE9-	2.26		0.80	1.53	1.04	1	1	5.83E-06

		1								
IPI00103525	Paraspeckle component 1	Q8WXF1-1	1.21	0.95	1.01	1.06	0.14	12	24.3	1.9E-133
IPI00103552	Mucin-16	Q8WXI7			1.03	1.03		5	0.2	6.85E-05
IPI00103554	GATA zinc finger domain-containing protein 2B	Q8WXI9	1.07	1.29	1.24	1.20	0.11	7	17.9	5.39E-78
IPI00103599	BRI3-binding protein	Q8WY22	1.68	0.99	1.18	1.28	0.36	4	20.7	1.2E-120
IPI00103654	Serine/threonine-protein phosphatase 4 regulatory subunit 2	Q9NY27-1	0.92	1.10	1.21	1.08	0.15	7	24	2.39E-43
IPI00103884	Ovarian cancer-associated gene 2 protein	Q8WZ82		1.16	0.99	1.08	0.12	1	5.7	2.89E-32
IPI00103925	Immunity-related GTPase family Q protein	Q8WZA9	0.98	0.95	1.04	0.99	0.05	8	21.2	5.87E-59
IPI00103940	Major facilitator superfamily domain-containing protein 10	Q14728			1.33	1.33		1	2.9	0.000215
IPI00103994	Leucine--tRNA ligase	Q9P2J5	0.85	1.01	0.94	0.94	0.08	38	36.2	0
IPI00104050	Thyroid hormone receptor-associated protein 3	Q9Y2W1	1.41	1.16	1.18	1.25	0.14	17	22.2	4.6E-124
IPI00105598	26S proteasome non-ATPase regulatory subunit 11	O00231	0.97	1.04	1.02	1.01	0.04	19	52	1.7E-252
IPI00105620	Adenovirus E3 14.7 kDa-interacting protein 1	Q7L523			1.20	1.20		4	13.4	9.46E-18
IPI00106491	mRNA turnover protein 4 homolog	Q9UKD2	0.92	0.82	0.86	0.87	0.05	14	48.1	4.1E-160
IPI00106495	Chromosome-associated protein G	Q9BPX3	1.04	1.15	1.06	1.08	0.06	25	29.8	0
IPI00106506	Evolutionarily conserved signaling intermediate in Toll pathway, mitochondrial	Q9BQ95-1	1.01	0.80	0.90	0.90	0.11	4	17.6	8.97E-45
IPI00106549	Diphthamide biosynthesis protein 2	Q9BQC3	0.84	0.87	0.81	0.84	0.03	1	3.9	4.66E-40
IPI00106638	UPF0399 protein C6orf153	Q96EU6-1	0.87	0.90	0.76	0.85	0.07	4	16.6	9.78E-22
IPI00106642	PWP1-interacting protein 8	Q9HCN8	1.02	0.90	0.84	0.92	0.09	20	45.4	0
IPI00106698	Protein pelota homolog	Q9BRX2	0.81	1.07	1.01	0.96	0.14	9	22.1	1.8E-166
IPI00106913	Dehydrogenase/reductase SDR family member 4	Q9BTZ2-1	0.85	0.82	1.08	0.92	0.14	5	14.7	4.63E-11
IPI00106966	Transmembrane protein 70, mitochondrial	Q9BUB7-1	0.87	0.72	0.77	0.79	0.08	2	7.7	6.31E-10
IPI00107104	UPF0368 protein Cxorf26	Q9BVG4	1.04	1.04	1.00	1.03	0.02	6	32.2	2.8E-157
IPI00107113	Antigen NY-CO-16	Q9BVJ6-1	1.13	0.85	0.87	0.95	0.16	16	29.1	1.7E-280
IPI00107122	Nucleoporin p58/p45	Q9BVL2-1	1.67	0.98	1.08	1.24	0.37	3	7.3	1.44E-43
IPI00107155	Putative uncharacterized protein C3orf75	A8MQ59		1.13		1.13		3	13.9	1.26E-06
IPI00107339	DGCRK3	Q9BYB4-1			1.17	1.17		2	11.9	2.41E-08
IPI00107555	Profilin	B4DNH1	0.97	1.23	1.26	1.15	0.16	7	33.5	2.6E-188

IPI00107563	Ribonuclease P/MRP protein subunit POP5	Q969H6		1.12	1.02	1.07	0.07	2	11.7	7.37E-11
IPI00107693	Activator-recruited cofactor 105 kDa component	Q96RN5-1	0.77	1.12	1.00	0.96	0.18	3	7.6	3.59E-40
IPI00107745	cAMP regulatory element-associated protein 1	O95232-1	0.94	1.01	1.00	0.98	0.04	11	27.1	2.5E-197
IPI00107752	Dynamin-like 120 kDa protein, form S1	O60313-2		1.12		1.12		8	11.2	1.91E-78
IPI00107753	Dynamin-like 120 kDa protein, form S1	O60313-2	1.01		1.21	1.11	0.14	6	8.6	2.13E-49
IPI00107831	Leukocyte common antigen related	P10586-1	2.18			2.18		3	2.2	2.75E-08
IPI00140201	Component of oligomeric Golgi complex 8	Q96MW5	0.65		1.29	0.97	0.45	2	7.2	1.38E-11
IPI00140420	100 kDa coactivator	Q7KZF4	0.84	0.98	0.96	0.93	0.08	39	49.8	0
IPI00141318	63 kDa membrane protein	Q07065-1	1.18	1.05	1.14	1.13	0.07	46	72.6	0
IPI00141561	Component of oligomeric Golgi complex 1	Q8WTW3			1.12	1.12		2	1.9	4.59E-05
IPI00143753	140 kDa Ser/Arg-rich domain protein	O15042-1	0.98	0.92	0.91	0.94	0.04	9	12.4	5.47E-46
IPI00143921	KDEL motif-containing protein 2	Q7Z4H8-1	1.08		1.49	1.29	0.29	5	12	1.07E-68
IPI00144293	Putative splicing factor YT521	Q96MU7-1		1.15		1.15		4	5.6	4.35E-14
IPI00145260	Putative transferase C1orf69, mitochondrial	Q5T440		1.13	0.76	0.94	0.26	2	10.1	1.32E-06
IPI00145593	Nucleolar MIF4G domain-containing protein 1	Q5C9Z4		0.65	1.12	0.89	0.33	2	3.3	3.06E-08
IPI00146447	Myopathy with excessive autophagy protein	Q3ZQA7	1.17	0.97	0.92	1.02	0.13	1	11.9	0.000906
IPI00146935	Dnm1p/Vps1p-like protein	O00429-1		1.15		1.15		38	62.8	0
IPI00147874	N-acetylneuraminase synthase	Q9NR45	0.96	1.04	1.03	1.01	0.05	14	45.4	1.8E-258
IPI00148063	Heme-binding protein 1	Q9NRV9	1.07	1.05	1.05	1.06	0.01	8	58.2	6.8E-261
IPI00149276	Brain and reproductive organ-expressed protein	Q9NXR7-1	0.98		1.16	1.07	0.13	2	4.8	0.00022
IPI00149650	Peptidylprolyl isomerase domain and WD repeat-containing protein 1	Q96BP3		0.93	0.90	0.91	0.02	4	9.8	5.34E-08
IPI00149849	Component of oligomeric Golgi complex 4	Q9H9E3-3		1.24		1.24		2	3.9	6.03E-27
IPI00150269	PRP4 homolog	O43172-1	0.99	1.15	1.05	1.06	0.08	11	25.7	2E-129
IPI00150963	RNA pseudouridylate synthase domain-containing protein 2	Q8IZ73			0.58	0.58		2	11.4	0.01727
IPI00151170	Dual specificity protein kinase TTK	P33981	0.77	1.23	0.72	0.91	0.28	4	7.6	4.17E-08
IPI00151462	Microtubule-associated proteins 1A/1B light chain 3 beta 2	A6NCE7	0.80	1.13	1.27	1.07	0.24	3	21.6	1.38E-07
IPI00152001	Brain-expressed RING finger protein	O75382-1		1.09	1.00	1.05	0.06	2	4	8.83E-05
IPI00152002	Coiled-coil domain-containing protein 115	Q96NT0	0.96	1.33	1.29	1.19	0.20	3	20.6	3.22E-37

IPI00152011	PTPL1-associated RhoGAP protein 1	Q52LW3-1	1.06	1.23	1.22	1.17	0.09	10	9.2	9.17E-91
IPI00152083	TTD non-photosensitive 1 protein	Q8TAP9			1.16	1.16		2	19	3.53E-14
IPI00152089	Uncharacterized protein CXorf38	Q8TB03-1	0.80			0.80		2	6.6	0.000445
IPI00152196	Haloacid dehalogenase-like hydrolase domain-containing protein 4	Q8TBE9		0.77	0.94	0.85	0.12	2	12.1	3.07E-96
IPI00152303	Phosphatidylinositol-5-phosphate 4-kinase type II gamma	Q8TBX8	1.30	1.41	1.43	1.38	0.08	6	11.2	9.4E-40
IPI00152377	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit STT3B	Q8TCJ2		0.62	0.98	0.80	0.26	5	8	5.99E-11
IPI00152491	cDNA FLJ43030 fis, clone BRTHA3000633, highly similar to Homo sapiens CD99 antigen-like 2 (CD99L2), transcript variant 1, mRNA	B3KWG2			1.03	1.03		2	12.9	5.01E-38
IPI00152503	B-lymphoma- and BAL-associated protein	Q8TDB6-1	0.94	1.16		1.05	0.15	2	4.2	1.52E-11
IPI00152510	DEAD (Asp-Glu-Ala-Asp) box polypeptide 54, isoform CRA_a	B9ZVP3	0.82	1.02	0.89	0.91	0.10	12	15.5	3.03E-78
IPI00152627	C11orf30 protein	B7ZKU0			0.81	0.81		3	1.7	0.002933
IPI00152658	Never in mitosis A-related kinase 7	Q8TDX7	0.83	0.94	0.92	0.90	0.05	9	36.8	5.1E-82
IPI00152671	Protein FAM91A1	Q658Y4	1.03	1.01	1.00	1.01	0.02	4	7.2	1.65E-57
IPI00152695	Swd2	Q6UXN9	1.03	1.15	1.21	1.13	0.09	6	22.7	3.3E-136
IPI00152708	U3 small nucleolar RNA-associated protein 15 homolog	Q8TED0		0.70	0.74	0.72	0.03	8	18.5	1.12E-57
IPI00152785	Histone H2B type 1-O	P23527		1.03	1.14	1.09	0.08	12	64.3	7.4E-159
IPI00152850	JAM-2	Q9BX67		1.12		1.12		2	7.6	0.009825
IPI00152853	Phostensin	Q6NYC8-1	1.19	1.03	0.95	1.06	0.12	12	29.9	7.9E-237
IPI00152890	Nucleolar protein 6	Q9H6R4-1	0.77	0.76	0.81	0.78	0.03	15	14.6	5.6E-93
IPI00152900	Leucine zipper and CTNNBIP1 domain-containing protein	Q8WZA0	1.02	0.98	1.00	1.00	0.02	6	20.9	1.2E-112
IPI00152946	Male germ cell RacGap	Q9H0H5	0.86	1.46	1.28	1.20	0.31	9	22.5	2.12E-91
IPI00152981	Acyl-CoA dehydrogenase family member 9, mitochondrial	Q9H845	1.10	1.04	1.00	1.05	0.05	8	18	2.19E-36
IPI00152998	Leucine-rich repeat-containing protein 40	Q9H9A6	1.12	1.02	1.04	1.06	0.05	13	28.7	7.24E-70
IPI00153023	Coiled-coil domain-containing protein 51	Q96ER9-1	0.92	1.16		1.04	0.17	2	7.5	9.49E-40
IPI00153032	Protein LTV1 homolog	Q96GA3	0.65	0.68	0.73	0.68	0.04	2	7.4	1.8E-102
IPI00154283	Cancerous inhibitor of PP2A	Q8TCG1-1	0.67	0.97	0.85	0.83	0.15	13	13.5	1.69E-75
IPI00154451	cDNA FLJ55586, highly similar to MMS19-like	B4DQX2	1.09		0.58	0.83	0.37	4	4.9	2.41E-08



	protein										
IPI00154473	Elongation factor G 1, mitochondrial	Q96RP9-1		0.90	0.89	0.89	0.00	12	19.4	6.61E-65	
IPI00154515	FHA domain-containing protein SNIP1	Q8TAD8	1.09		1.38	1.23	0.21	1	3.5	3.43E-21	
IPI00154590	MKI67 FHA domain-interacting nucleolar phosphoprotein	Q9BYG3	0.83	0.80	0.75	0.79	0.04	15	43.3	3E-266	
IPI00154668	Coiled-coil domain-containing protein 93	Q567U6			1.33	1.33		2	3.6	2.23E-67	
IPI00154778	Protein Muted homolog	Q8TDH9-1		1.24		1.24		2	10.2	0.000292	
IPI00154975	DnaJ homolog subfamily C member 9	Q8WXX5	1.00	1.25	1.17	1.14	0.13	11	44.6	0	
IPI00156032	HIV-1 Rev-binding protein 2	Q13601	0.95	1.00	0.98	0.98	0.02	4	16	1.76E-80	
IPI00156689	Synaptic vesicle membrane protein VAT-1 homolog	Q99536	1.43	1.16	1.21	1.27	0.14	12	39.4	1.2E-230	
IPI00156804	Zinc finger protein 160-like	Q9H7R5	1.26	0.93	1.07	1.09	0.17	2	13.9	0.000869	
IPI00156984	Charged multivesicular body protein 1b	Q7LBR1		1.42	1.32	1.37	0.07	2	8.5	0.001579	
IPI00157215	Uncharacterized protein C19orf52	Q9BSF4			0.86	0.86		2	9.6	1.83E-05	
IPI00157375	DnaJ homolog subfamily C member 30	Q96LL9		1.14		1.14		2	8.4	0.000893	
IPI00157729	Dendritic cell-derived ubiquitin-like protein	Q8WUN7		1.17		1.17		1	5.6	8.77E-13	
IPI00157734	Exocyst complex component 3	O60645-1		1.67		1.67		2	2.6	0.001812	
IPI00157757	Molecule interacting with CasL protein 1	Q8TDZ2-1	0.97	1.10	1.13	1.07	0.09	4	5.7	1.73E-60	
IPI00157790	Proteasome-associated protein ECM29 homolog	Q5VYK3	0.89	1.08	0.93	0.97	0.10	24	16.1	5.7E-259	
IPI00158020	Arginine/serine-rich-splicing factor 14	Q8IX01-1		0.90	1.20	1.05	0.21	7	12.8	2.1E-19	
IPI00159899	Ankyrin repeat and FYVE domain-containing protein 1	Q9P2R3-1	0.87	1.19	1.15	1.07	0.17	14	16.4	3.3E-194	
IPI00160421	39S ribosomal protein L18, mitochondrial	Q9H0U6	0.93	0.75	0.91	0.86	0.10	5	24.4	1.02E-08	
IPI00160901	Putative uncharacterized protein GTSE1	A8MRT0	0.77	1.95	1.58	1.44	0.60	2	3.9	5.73E-07	
IPI00162330	39S ribosomal protein L2, mitochondrial	Q9BZE1	0.92	0.91	0.92	0.92	0.00	6	22	0	
IPI00162563	95 kDa retinoblastoma-associated protein	O75150-1	1.11	1.29	0.96	1.12	0.16	8	10	2.87E-76	
IPI00163084	Pre-mRNA-splicing factor SYF1	Q9HCS7	0.89	1.15	1.22	1.09	0.18	13	18.8	1.6E-168	
IPI00163172	Putative uncharacterized protein SKP2	C9JN85		0.24		0.24		1	3.6	0.000122	
IPI00163230	COP9 signalosome complex subunit 6	Q7L5N1	0.94	1.13	1.10	1.06	0.10	13	42.5	6.8E-172	
IPI00163361	T-box transcription factor TBX14	Q96SF7			1.84	1.84		1	3.7	0.000566	
IPI00163381	Growth suppressor 1	Q32P28-1	1.25	1.15		1.20	0.07	17	28.7	6.5E-176	
IPI00163391	Methyltransferase 10 domain-containing	Q86W50-		1.25	0.97	1.11	0.20	3	4.6	0.000222	

	protein	1								
IPI00163496	LAR-interacting protein 1	Q13136-1	1.09	0.93	1.06	1.03	0.08	5	5.4	1.63E-21
IPI00163505	Hepatocellular carcinoma protein 1	Q14498-1	0.90	1.10	1.02	1.01	0.10	9	18.1	1.8E-99
IPI00163644	Oxysterol-binding protein-related protein 8	Q9BZF1-1	1.00	1.15	1.00	1.05	0.09	11	17.9	2.5E-159
IPI00163849	cDNA FLJ60624, highly similar to Epidermal growth factor receptor substrate 15-like 1	B4DKA3	1.11	0.95	1.06	1.04	0.08	11	26.3	2.5E-145
IPI00163851	Eukaryotic translation initiation factor 2-alpha kinase 4	Q9P2K8-1	0.90			0.90		3	2.2	0.001743
IPI00164672	mRNA-decapping enzyme 1A	Q9NPI6			0.78	0.78		3	9.8	7.35E-18
IPI00164949	Negative elongation factor C/D	Q8IXH7-1	0.97	1.13	1.11	1.07	0.09	4	9.8	1.26E-68
IPI00165026	SET domain-containing protein 3	Q86TU7-1	0.99	1.19	1.15	1.11	0.11	7	14	3.86E-84
IPI00165092	Tyrosine--tRNA ligase	Q9Y2Z4	0.91	0.96	0.96	0.94	0.03	9	20.1	9.1E-103
IPI00165171	DiGeorge syndrome critical region 13	Q96DF8	1.75	1.23	1.09	1.36	0.34	4	15.5	1.04E-81
IPI00165230	DAZ-associated protein 1	Q96EP5-1	1.08	1.12	0.97	1.06	0.07	7	24.8	5.3E-258
IPI00165357	Metastasis-associated protein MTA3	Q9BTC8-1		1.11	1.10	1.10	0.00	6	10.8	4.5E-101
IPI00165361	DCN1-like protein 5	Q9BTE7	0.78	0.97	0.92	0.89	0.10	5	21.1	1.21E-69
IPI00165393	Acidic leucine-rich nuclear phosphoprotein 32 family member E	Q9BTT0	1.23		1.11	1.17	0.08	8	30.2	0
IPI00165434	cDNA FLJ58590, highly similar to YLP motif-containing protein 1	B4DMQ9	1.51	0.92	1.05	1.16	0.31	5	4.4	7.94E-57
IPI00165477	Elongator complex protein 3	Q9H9T3-1	0.67	0.87	0.81	0.78	0.10	5	11.9	2.65E-19
IPI00165506	38 kDa DNA polymerase delta interaction protein	Q9Y2S7	0.89	0.96	0.96	0.94	0.04	9	27.2	9.43E-79
IPI00165587	Galectin-8	O00214-2	1.10		1.61	1.35	0.37	2	6.4	2.06E-09
IPI00165651	Endoplasmic reticulum-Golgi intermediate compartment protein 2	Q96RQ1	0.97		1.05	1.01	0.06	2	9	4.81E-12
IPI00165949	Adipocyte-derived leucine aminopeptidase	Q9NZ08-2	1.28	1.51	1.15	1.31	0.18	5	8	8.33E-78
IPI00165981	NFX1-type zinc finger-containing protein 1	Q9P2E3-1	1.25			1.25		2	1.7	1.28E-07
IPI00166010	CCR4-associated factor 1	A5YKK6-1	1.12	1.04	0.95	1.04	0.09	7	3.4	1.49E-50
IPI00166044	p150 target of rapamycin (TOR)-scaffold protein	Q8N122-1			0.79	0.79		3	2.5	3.36E-05
IPI00166066	ORM1-like protein 3	Q8N138-1			1.53	1.53		2	11.8	0.017977
IPI00166153	FtsJ methyltransferase domain-containing protein 2	Q8N1G2	1.04	1.22	1.09	1.11	0.09	4	5.7	3.38E-05
IPI00166395	Acyl-CoA synthetase family member 3,	Q4G176-1			0.97	0.97		2	4.9	1.19E-06

	mitochondrial									
IPI00166444	SFT2 domain-containing protein 3	Q587I9	0.97		1.11	1.04	0.10	3	27	1.67E-28
IPI00166526	Apoptosis-inducing TAF9-like domain-containing protein 1	Q8N2Z9-1	1.06			1.06		2	17.4	1.17E-07
IPI00166638	UPF0598 protein C8orf82	Q6P1X6-1	1.23		1.45	1.34	0.15	4	25	2.73E-20
IPI00166749	Alpha-MPP	Q107I3	1.02	1.01	1.22	1.08	0.12	3	9	7.29E-16
IPI00166785	Membrane magnesium transporter 1	Q8N4V1-2		1.11		1.11		1	12.2	4.96E-45
IPI00166835	Protein FAM26E	Q8N5C1	0.85			0.85		2	7.4	1.58E-22
IPI00166861	Uncharacterized protein C12orf45	Q8N5I9		0.53		0.53		2	12.8	0.026039
IPI00166865	CDGSH iron sulfur domain-containing protein 2	Q8N5K1	0.94	0.93	1.00	0.96	0.04	3	28.1	3.77E-61
IPI00166873	Alba-like protein C9orf23	Q8N5L8	1.32	0.98	0.98	1.09	0.20	3	19.6	4.51E-14
IPI00166931	Drosophila-related expressed sequence 17	Q86TP1-1			0.95	0.95		2	7.9	1.06E-31
IPI00166945	Protein FAM101B	Q8N5W9	0.72	0.84	0.80	0.79	0.06	4	36.9	4.82E-45
IPI00166955	Protein canopy homolog 4	Q8N129	1.53		1.35	1.44	0.12	2	5.1	2.19E-16
IPI00166956	Leucine-rich repeat-containing protein 35	Q5QJ74	0.88			0.88		2	6.8	0.000197
IPI00167074	ADP-ribosylation factor-like protein 6-interacting protein 6	Q8N6S5		1.08	1.24	1.16	0.11	3	10.2	7.36E-13
IPI00167368	N-alpha-acetyltransferase 16, NatA auxiliary subunit	Q6N069-1			0.81	0.81		8	7.8	2.4E-17
IPI00167535	CAG repeat protein 32	Q96L91-1		1.20	0.73	0.96	0.33	2	0.8	2.37E-16
IPI00167538	Cytochrome c oxidase assembly protein 18	Q8N8Q8-1		0.82		0.82		2	7.8	0.00012
IPI00167638	GTP-binding protein 10	A4D1E9-1	0.84	1.10	0.81	0.91	0.16	4	16.5	2.22E-27
IPI00167783	Protein SFRS12IP1	Q8N9Q2			1.04	1.04		2	12.3	4.72E-05
IPI00168262	Glycosyltransferase 25 family member 1	Q8NBJ5	1.13	1.04	1.12	1.09	0.05	16	24.4	3.9E-140
IPI00168317	Kinetochore protein Spc24	Q8NBT2	1.28	1.11	1.17	1.19	0.08	8	54.8	2.5E-244
IPI00168336	LEM domain-containing protein 2	Q8NCS6		1.47	1.25	1.36	0.16	5	11.1	7.3E-23
IPI00168378	HCV NS5A-transactivated protein 4 splice variant A-binding protein 1	Q8NCE2-1	1.18	1.44	1.24	1.29	0.13	3	9.4	7.3E-73
IPI00168388	Signal recognition particle 68 kDa protein	Q9UHB9-1	0.93	1.07	1.03	1.01	0.08	24	43.7	0
IPI00168479	cDNA FLJ56357, highly similar to Homo sapiens apolipoprotein A-I binding protein (APOA1BP), mRNA	B4DP80	1.15	1.17	1.10	1.14	0.04	8	37.5	8.5E-277
IPI00168691	SHC SH2 domain-binding protein 1	Q8NEM2	0.62	1.26	0.97	0.95	0.32	6	12.6	1.07E-36

IPI00168849	Cdc42-interacting protein 4	Q15642-1	1.02	1.05	0.94	1.00	0.06	4	12.1	1.99E-58
IPI00168878	Luminal domain-like LAP1	Q8NFAQ8			1.12	1.12		4	11.3	8.2E-120
IPI00168884	ATPase H(+)-transporting lysosomal accessory protein 2	Q75787	0.92	1.39	1.64	1.32	0.37	4	15.7	2.6E-182
IPI00168885	DEAH box protein 57	Q6P158-1	1.12	0.99	1.14	1.08	0.08	5	5.1	5.61E-19
IPI00169259	Small VCP/p97-interacting protein	Q8NHG7	1.28	1.16	1.21	1.22	0.06	2	32.5	3.57E-32
IPI00169267	ADP-ribosylation factor-like protein 6-interacting protein 2	Q8NHH9-1	1.21	1.06	0.88	1.05	0.16	3	6	1.21E-05
IPI00169285	76 kDa protein	Q8NHP8	1.07	1.03	1.15	1.08	0.06	6	11	2.33E-45
IPI00169325	T-cell activation WD repeat-containing protein	Q8NI36	0.86	0.90	0.88	0.88	0.02	12	15.2	9.9E-148
IPI00169383	Cell migration-inducing gene 10 protein	P00558	1.07	1.08	1.04	1.06	0.02	37	83.2	0
IPI00169400	28S ribosomal protein S5, mitochondrial	P82675-1	0.91	0.94	0.95	0.93	0.02	5	16.3	2.83E-53
IPI00170692	33 kDa VAMP-associated protein	Q9P0L0		1.11		1.11		10	41	2.22E-81
IPI00170770	PHD finger protein 3	Q92576-1			1.09	1.09		2	1.9	2.17E-51
IPI00170778	Formin-binding protein 30	Q8N3X1	1.11			1.11		1	1.5	0.00196
IPI00170786	Npw38-binding protein	Q9Y2W2	1.37	0.97	1.11	1.15	0.20	10	15.3	5.11E-36
IPI00170862	Androgen receptor trapped clone 27 protein	Q9UBK9			1.13	1.13		2	14.2	1.26E-46
IPI00170877	cDNA FLJ45232 fis, clone BRCAN2021718, highly similar to Homo sapiens mitochondrial ribosomal protein L10 (MRPL10), mRNA	A6NGJ4			0.84	0.84		2	10.7	1.35E-40
IPI00170924	Histidine triad nucleotide-binding protein 3	Q9NQE9	0.91	1.20	1.32	1.14	0.21	3	21.4	6.32E-83
IPI00170935	Leucine-rich repeat-containing protein 47	Q8N1G4	1.06	1.07	1.02	1.05	0.03	19	44.4	0
IPI00170972	UPF0553 protein C9orf64	Q5T6V5	0.95		1.03	0.99	0.05	4	12	2.61E-14
IPI00171044	Schlafen family member 11	Q7Z7L1	1.27	1.21	1.18	1.22	0.05	5	8.3	5.02E-92
IPI00171117	COMM domain-containing protein 1	Q8N668	0.96	1.00	1.16	1.04	0.11	5	29.5	1.38E-49
IPI00171123	GATA zinc finger domain-containing protein 1	Q8WUU5	1.07		1.28	1.18	0.15	1	6.7	3.09E-14
IPI00171127	Ubiquitin-associated protein 2	Q5T6F2	1.23	1.03	0.78	1.01	0.22	9	11.6	1.1E-39
IPI00171134	Akt phosphorylation enhancer	Q3V6T2-1	0.91			0.91		3	1.8	1.64E-24
IPI00171176	Pantothenate kinase 2, mitochondrial	Q9BZ23-1	1.02	1.28	1.02	1.11	0.15	2	5.6	2.11E-52
IPI00171390	Pre-mRNA-splicing factor 38A	Q8NAV1-1	1.04	1.17	0.95	1.06	0.11	5	17.9	6.57E-25
IPI00171421	Mesenchymal stem cell protein DSCD75	Q8WUY1	1.22	1.44	1.38	1.35	0.11	4	18.8	3.43E-30
IPI00171438	Endoplasmic reticulum resident protein 46	Q8NBS9	1.15	1.10	1.19	1.15	0.04	20	50.9	0

IPI00171475	45 kDa NF-AT-interacting protein	Q8NCF5-1	1.34	1.17	0.93	1.15	0.20	3	13.1	5.41E-74
IPI00171525	Sentrin/SUMO-specific protease SENP3	Q9H4L4			1.14	1.14		2	5.6	8.97E-18
IPI00171573	Coiled-coil domain-containing protein 109A	Q8NE86-1	1.03	0.97	1.31	1.11	0.18	4	14	3.97E-58
IPI00171626	1-acylglycerophosphocholine O-acyltransferase	Q8NF37	1.44	1.05	1.00	1.16	0.24	3	9.6	4.73E-87
IPI00171665	Nucleoporin Nup37	Q8NFH4	0.74	0.94	0.91	0.87	0.11	6	19.6	4.5E-119
IPI00171692	Abhydrolase domain-containing protein 11	Q8NFV4-1	1.06	0.92	0.84	0.94	0.11	8	26.3	1.8E-75
IPI00171712	Leucine carboxyl methyltransferase 2	O60294		1.07	0.82	0.95	0.18	2	4.7	6.63E-71
IPI00171769	Cervical cancer proto-oncogene 3 protein	Q9BWH2	0.70	0.84	0.86	0.80	0.09	3	17.5	2.49E-40
IPI00171798	Metastasis-associated 1-like 1	O94776	0.93	1.10	1.11	1.05	0.10	25	41.3	0
IPI00171844	COP9 signalosome complex subunit 4	Q9BT78	0.98	1.05	1.03	1.02	0.03	20	60.1	0
IPI00171856	Deoxyhypusine dioxygenase	Q9BU89	0.83	0.95	1.00	0.93	0.09	7	38.4	5.9E-103
IPI00171903	Heterogeneous nuclear ribonucleoprotein M	P52272-1	1.02	1.05	1.06	1.04	0.02	39	54.7	7.8E-277
IPI00172513	Adapter protein containing PH domain, PTB domain and leucine zipper motif 2	Q8NEU8	1.22	1.40	1.43	1.35	0.11	6	12.8	2.99E-45
IPI00172580	Nucleoporin 54kDa variant	Q53H29	0.91	0.90	1.04	0.95	0.07	7	18.9	1.5E-170
IPI00172591	39S ribosomal protein L17, mitochondrial	Q9NRX2	0.94	1.03	0.90	0.96	0.07	6	34.9	7E-78
IPI00172594	39S ribosomal protein L28, mitochondrial	Q13084	0.88	0.91	0.83	0.87	0.04	6	29.7	1.13E-25
IPI00172656	FAS-associated factor 2	Q96CS3	1.01	0.97	0.96	0.98	0.03	11	35.1	3E-113
IPI00173359	Uveal autoantigen with coiled-coil domains and ankyrin repeats	Q9BZF9		1.72	0.82	1.27	0.63	1	0.8	1.68E-38
IPI00173589	Similar to ribosomal protein L29				0.82	0.82		3	20.6	1.29E-38
IPI00173946	Protein TANC1	Q9C0D5-1	1.00	1.04	1.25	1.10	0.13	2	1.9	0.000266
IPI00174025	Dynamin-binding protein	Q6XZF7-1		0.66	0.99	0.83	0.23	4	2.4	2.54E-07
IPI00174190	Phosphoinositide lipid phosphatase	Q8WUK0-1	1.03	0.92	1.09	1.01	0.09	4	19.4	6.54E-09
IPI00174390	2,5-phosphodiesterase 12	Q6L8Q7-1	0.92	1.04	0.96	0.98	0.06	8	23	9.2E-154
IPI00174442	Protein FAM98A	Q8NCA5	0.82	0.99	0.94	0.92	0.09	6	17	4.3E-139
IPI00174852	Mediator complex subunit 20	Q9H944	0.98	1.14	1.26	1.13	0.14	3	22.6	8.57E-16
IPI00174962	MICAL-like protein 1	Q8N3F8	1.15	1.00	0.87	1.01	0.14	4	5.9	6.88E-49
IPI00174976	MAGUK p55 subfamily member 5	Q8N3R9-1			1.29	1.29		1	1.8	1.03E-22
IPI00175029	PtdIns-4,5-P2 4-Ptase II	Q8N4L2		1.18	1.57	1.37	0.28	2	14.4	1.72E-18
IPI00175096	Tetratricopeptide repeat protein 9C	Q8N5M4	0.91	0.99	0.99	0.96	0.05	6	35.1	3.15E-73

IPI00175136	One-twenty two protein 3	Q8NDT2			1.06	1.06		2	4	8.86E-09
IPI00175202	Zinc finger protein 433	Q8N7K0-1			1.05	1.05		2	10.8	0.00332
IPI00176193	Collagen alpha-1(XIV) chain	Q05707-1	6.50	0.15		3.33	4.49	2	1.3	2.07E-59
IPI00176706	45 kDa-splicing factor	Q96I25	1.08	1.14	0.81	1.01	0.18	6	14.5	2.7E-50
IPI00176903	Cavin-1	Q6NZI2-1	1.18	1.13	1.13	1.15	0.03	18	36.9	0
IPI00177008	Phosphoglycolate phosphatase	A6NDG6	1.00	1.20	1.01	1.07	0.11	7	25.5	1.52E-65
IPI00177428	Coiled-coil-helix-coiled-coil-helix domain-containing protein 4	Q8N4Q1-2	1.30		0.68	0.99	0.44	2	21.3	1.23E-36
IPI00177437	Crooked neck homolog	Q9BZJ0-1	1.09	1.34	1.31	1.25	0.13	15	17.6	2.3E-161
IPI00177509	Trafficking protein particle complex subunit 5	Q8IURO	0.92	0.98	1.03	0.98	0.05	4	21.3	2.56E-55
IPI00177728	CNDP dipeptidase 2	Q96KP4-1	1.06	1.05	1.06	1.06	0.01	12	36	6E-115
IPI00177808	Bcl10-interacting CARD protein	Q96LW7-2	1.03	1.09	1.05	1.06	0.03	5	35	6.48E-55
IPI00177856	tRNA (adenine-N(1)-)-methyltransferase catalytic subunit TRMT61A	Q96FX7-2	0.76	0.97	0.87	0.87	0.10	3	17.5	4.78E-36
IPI00177965	5-nucleotidase domain-containing protein 1	Q5TFE4	0.99	1.31	1.08	1.13	0.17	4	12.1	2.35E-82
IPI00178072	Cytospin-A	Q69YQ0		1.00	0.90	0.95	0.07	3	4	4.85E-06
IPI00178150	Chromokinesin-A	O95239-1	0.83	1.16	1.12	1.04	0.18	26	23.7	7.4E-208
IPI00178203	Protein CTF18 homolog.	Q96S08	1.00			1.00		4	5.1	7.92E-77
IPI00178314	Amisyn	Q8NFX7-1	0.58	0.66	0.64	0.63	0.04	7	34.3	1.07E-84
IPI00178352	ABP-280-like protein	Q14315-1	0.76	0.80	0.80	0.79	0.02	123	55	0
IPI00178431	ATP-dependent DNA helicase Q1	P46063	1.03	1.22	1.17	1.14	0.10	23	41	6.9E-196
IPI00178440	Elongation factor 1-beta	P24534	0.94	0.79	0.81	0.85	0.08	11	58.7	0
IPI00178743	Alstrom syndrome protein 1	Q8TCU4-1		0.78		0.78		2	0.6	0.017197
IPI00178750	NEFA-interacting nuclear protein NIP30	Q9GZU8	1.00	0.98	0.79	0.92	0.12	4	24	5.4E-154
IPI00178899	Cyclin-A/CDK2-associated protein p45	Q13309-1			1.47	1.47		3	10.1	3.47E-16
IPI00179026	Malignant T cell-amplified sequence 1	Q9ULC4-1	0.95	1.08	1.02	1.02	0.06	9	49.2	1.1E-129
IPI00179172	hSGT2	Q86W92-2		1.08		1.08		6	7.3	1.21E-23
IPI00179298	ARF-binding protein 1	Q7Z6Z7-1	0.87	0.92	0.94	0.91	0.03	30	11.3	0
IPI00179330	40S ribosomal protein S27a	P62979	1.11	0.88	1.13	1.04	0.14	14	69.9	0
IPI00179415	Calmodulin-dependent calcineurin A subunit alpha isoform	Q08209-1	1.11	1.20	1.01	1.10	0.09	13	27.1	1.83E-52

IPI00179437	114 kDa Rho-specific guanine nucleotide exchange factor	Q6ZSZ5-1	1.08	1.22	1.09	1.13	0.08	5	7.4	2.18E-32
IPI00179438	Differentially-expressed protein 2	P98082-1	1.00	0.89	1.05	0.98	0.08	7	15.3	1.27E-27
IPI00179473	EBI3-associated protein of 60 kDa	Q13501-1	1.02	1.32	1.26	1.20	0.16	9	27.5	2.7E-230
IPI00179589	Myotrophin	P58546		1.00	1.16	1.08	0.11	3	23.1	3.17E-97
IPI00179700	High mobility group AT-hook protein 1	P17096-1	1.48		0.94	1.21	0.39	5	56.1	8.02E-35
IPI00179713	Hepatocellular carcinoma autoantigen p62	Q9Y6M1-2	1.24	1.00	1.04	1.09	0.13	18	37.4	2.6E-304
IPI00179953	Nuclear autoantigenic sperm protein	P49321-1			1.09	1.09		22	46.4	0
IPI00180154	Ataxin-2	Q99700-1	1.11	1.00	0.88	1.00	0.11	7	7.8	1.7E-101
IPI00180267	Protein INM01	Q86YL5		0.85	1.13	0.99	0.19	3	13.6	2.11E-12
IPI00180404	F-actin-binding protein	Q0ZGT2-1	1.03	1.11	1.11	1.08	0.05	3	4.3	3.66E-06
IPI00180454	Probable U3 small nucleolar RNA-associated protein 11	Q9Y3A2	0.81	0.91	0.92	0.88	0.06	5	23.3	8.52E-14
IPI00180675	Alpha-tubulin 3	Q71U36	1.86	1.41	1.77	1.68	0.24	31	74.5	0
IPI00180954	A18 hnRNP	Q14011	1.15	1.22	1.24	1.20	0.05	8	42.4	9.8E-90
IPI00180956	Putative uncharacterized protein ENSP00000382160	A8MW45		0.79		0.79		5	12.7	1.7E-103
IPI00181116	Brix domain-containing protein 4	Q96G21	0.93	0.83	1.12	0.96	0.15	5	15.5	1.2E-120
IPI00181617	RNA-binding motif protein 34	P42696-1	0.96	0.99	0.96	0.97	0.01	6	19.5	1E-125
IPI00181728	Brix domain-containing protein 2	Q8TDN6	0.87	0.99	0.94	0.94	0.06	8	28	4.1E-24
IPI00182180	DUBA-5	Q8N6M0	0.85	1.76	0.99	1.20	0.49	4	16.1	2.71E-43
IPI00182289	40S ribosomal protein S29	P62273	0.76		0.74	0.75	0.01	3	46.4	0.000581
IPI00182373	Procollagen-proline,2-oxoglutarate-4-dioxygenase subunit alpha-2	O15460-2	1.28	1.09	1.14	1.17	0.10	19	45.8	0
IPI00182533	60S ribosomal protein L28	P46779	0.91	0.95	0.91	0.92	0.03	12	51.8	2.1E-84
IPI00182728	Cell migration-inducing gene 1 protein	O75351	1.14	1.17	1.09	1.13	0.04	8	23.2	1.27E-50
IPI00182757	Deleted in breast cancer gene 1 protein	Q8N163-1	1.15	1.11	1.08	1.12	0.04	28	44	0
IPI00182933	Cytochrome b5	P00167-2		0.97		0.97		4	56.1	1.38E-78
IPI00183002	Myosin phosphatase-targeting subunit 1	O14974-1	0.94	1.02	1.00	0.99	0.04	30	30.7	0
IPI00183018	Protein MICAL-2	O94851-1	0.78			0.78		3	3.6	3.18E-06
IPI00183208	F-box only protein 22	Q8NEZ5-1	0.80			0.80		4	11.9	5.87E-65
IPI00183500	20 kDa nuclear cap-binding protein	P52298-1	0.99	1.36	1.24	1.19	0.19	6	33.3	5.43E-61

IPI00183508	Protein A6	Q12792-2	0.90	1.08	1.05	1.01	0.10	10	28.4	9.5E-262
IPI00183603	Hydrophobic protein HSF-28	Q9NRPO	0.98	0.95	1.15	1.03	0.11	1	8.1	3.77E-07
IPI00183626	Polypyrimidine tract binding protein 1	Q9BUQ0	1.01	0.99	1.03	1.01	0.02	16	41.8	0
IPI00183642	Suppressor of hairy wing homolog 3	Q8ND82		1.66		1.66		1	2.2	7.54E-09
IPI00183695	Calpactin I light chain	P60903	1.13	1.31	1.33	1.26	0.11	10	49.5	3.7E-150
IPI00183938	Tetratricopeptide repeat protein 27	Q6P3X3	0.80	0.99	0.77	0.86	0.12	3	6.5	1.64E-15
IPI00184363	Glycolipid transfer protein	Q9NZD2	0.86	1.15	1.05	1.02	0.15	4	19.1	2.28E-36
IPI00184477	Domain E	Q9NQX3-2	0.88			0.88		5	7.4	5.02E-09
IPI00184533	Deubiquitinating enzyme 11	P51784	0.72	1.35	1.19	1.09	0.32	5	7.3	1.22E-16
IPI00184546	UPF0444 transmembrane protein C12orf23	Q8WUH6	0.94	0.99	1.05	0.99	0.05	3	44	1.81E-21
IPI00184871	Uncharacterized protein C6orf130	Q9Y530			1.63	1.63		2	15.8	6.14E-05
IPI00184884	Non-structural maintenance of chromosomes element 1 homolog	Q8WV22		0.85	1.01	0.93	0.12	2	12	5.91E-19
IPI00185146	Importin-9	Q96P70	1.00	1.10	1.13	1.08	0.07	23	27.3	0
IPI00185374	26S proteasome non-ATPase regulatory subunit 12	O00232	0.95	1.04	1.04	1.01	0.05	24	49.6	5E-297
IPI00185919	La ribonucleoprotein domain family member 1	Q6PKG0-1		1.02	1.00	1.01	0.02	22	29.8	3.9E-118
IPI00186139	Protein KRI1 homolog	Q8N9T8-2	1.24			1.24		8	16.3	4E-135
IPI00186194	Centrosomal protein of 170 kDa	Q55W79-1		1.01	0.88	0.95	0.09	11	8.6	1.68E-42
IPI00186290	Elongation factor 2	P13639	0.72	0.80	0.76	0.76	0.04	62	70.3	0
IPI00186721	CFTR-associated ligand	Q9HD26-1	0.63	0.96	0.98	0.86	0.20	5	13.6	1.45E-18
IPI00186966	Amphiphysin II	O00499-1	1.59	1.04	1.08	1.24	0.31	6	14.2	7.1E-94
IPI00187011	Zinc finger CCCH domain-containing protein 4	Q9UPT8	1.39	1.04	1.06	1.16	0.20	8	11.9	2.25E-63
IPI00215610	55 kDa erythrocyte membrane protein	Q00013	2.30	1.16	1.10	1.52	0.67	3	11.8	3.7E-30
IPI00215637	ATP-dependent RNA helicase DDX3X	O00571	0.73	0.92	0.91	0.85	0.11	32	56	0
IPI00215687	Glutaminase kidney isoform, mitochondrial	O94925-3	0.75	0.86	0.92	0.84	0.08	18	35.5	0
IPI00215704	BCL2/adenovirus E1B 19 kDa protein-interacting protein 1	Q12981-4	0.85			0.85		4	19.7	1.59E-19
IPI00215719	60S ribosomal protein L18	Q07020	0.87	0.81	0.92	0.87	0.05	12	52.1	1.3E-205
IPI00215777	Phosphate carrier protein, mitochondrial	Q00325-2			1.03	1.03		11	31.9	8.98E-51
IPI00215780	40S ribosomal protein S19	P39019	0.91	0.88	0.90	0.90	0.02	13	57.9	1.03E-93



IPI00215790	60S ribosomal protein L38	P63173	0.72	0.90	0.89	0.84	0.10	7	50	3.09E-82
IPI00215878	ATP synthase subunit epsilon, mitochondrial	P56381	0.81	0.98		0.89	0.12	2	29.4	0.004583
IPI00215884	Alternative-splicing factor 1	Q07955-1	1.17	0.87	0.89	0.98	0.17	21	62.5	1.1E-150
IPI00215888	Signal recognition particle 72 kDa protein	O76094	0.91	1.07	1.02	1.00	0.08	23	35.9	0
IPI00215890	Zinc finger protein 22	P17026		1.19		1.19		2	13.4	0.000269
IPI00215893	Heme oxygenase 1	P09601		1.37	1.31	1.34	0.05	4	18.1	8.01E-29
IPI00215901	Adenylate kinase 2, mitochondrial	P54819-1	0.99	0.81	0.80	0.87	0.11	11	56.5	2.6E-120
IPI00215911	APEX nuclease	P27695	0.91	0.99	0.96	0.95	0.04	18	53.5	0
IPI00215914	ADP-ribosylation factor 1	P84077	1.10	1.14	1.14	1.13	0.03	11	53	3.1E-250
IPI00215918	ADP-ribosylation factor 4	P18085	0.91	1.04	1.05	1.00	0.08	10	54.4	1.5E-117
IPI00215919	ADP-ribosylation factor 5	P84085	1.07	1.29		1.18	0.15	6	37.2	9.8E-75
IPI00215920	ADP-ribosylation factor 6	P62330	1.05	1.22	1.14	1.14	0.08	7	43.4	2.31E-62
IPI00215928	Caltractin isoform 1	P41208	1.28			1.28		2	11	0.001602
IPI00215948	Alpha E-catenin	P35221-1	0.92	1.17	1.13	1.07	0.14	40	58.1	0
IPI00215965	Helix-destabilizing protein	P09651-1	0.95	0.95	0.93	0.94	0.01	28	67.5	0
IPI00215974	Guanine insertion enzyme	Q9BXR0	0.98	0.92	0.84	0.91	0.07	5	20.6	7.34E-84
IPI00215979	2,3-bisphosphoglycerate mutase, erythrocyte	P07738		0.99		0.99		2	11.2	2.05E-19
IPI00215995	CD49 antigen-like family member C	P26006-2	1.04	1.20	1.36	1.20	0.16	8	7.7	1.91E-58
IPI00215997	CD9 antigen	P21926	1.83	1.25	1.35	1.48	0.31	3	14.5	1.48E-79
IPI00216003	Cullin-5	Q93034	0.90	1.20	1.22	1.11	0.18	4	6.5	2.17E-78
IPI00216008	Glucose-6-phosphate 1-dehydrogenase	P11413-2	1.12	1.34	1.46	1.31	0.17	23	42.6	4.9E-260
IPI00216047	BRG1-associated factor 170	Q8TAQ2-1	0.98	1.15	1.32	1.15	0.17	11	10.4	3.2E-288
IPI00216048	Phosphatidylinositol transfer protein alpha isoform	Q00169		0.87	1.04	0.95	0.12	8	31.1	1.39E-53
IPI00216057	L-iditol 2-dehydrogenase	Q00796	0.88	1.08	0.96	0.98	0.10	10	33.9	1.34E-87
IPI00216088	Cellular retinoic acid-binding protein 2	P29373	1.53	1.44	1.51	1.49	0.05	3	23.9	5.48E-17
IPI00216135	Alpha-tropomyosin	P09493-3	0.54	0.65	0.74	0.64	0.10	31	63	0
IPI00216138	22 kDa actin-binding protein	Q01995	0.58	0.95	1.02	0.85	0.24	29	88.6	0
IPI00216159	D-fructose-6-phosphate amidotransferase 2	O94808	1.85	0.60	0.55	1.00	0.74	5	6.9	2.1E-141
IPI00216171	2-phospho-D-glycerate hydro-lyase	P09104	1.17	1.08	1.16	1.14	0.05	14	46.1	0
IPI00216172	Lysosomal-associated membrane protein 2,	Q6Q3G8	1.39	1.13	1.48	1.33	0.18	4	8.8	9.26E-25

	isoform CRA_b										
IPI00216190	Glycogen synthase kinase-3 beta	P49841-2	0.97	1.10	1.10	1.06	0.07	7	26.1	2.7E-208	
IPI00216219	Tight junction protein 1	Q07157-1	0.98		1.13	1.05	0.11	25	19.6	1E-183	
IPI00216225	CD49 antigen-like family member F	P23229-6	1.19	0.90	0.97	1.02	0.16	8	9.2	8.2E-180	
IPI00216230	Lamina-associated polypeptide 2, isoform alpha	P42166	1.31	1.20	1.20	1.23	0.06	33	65	0	
IPI00216237	60S ribosomal protein L36	Q9Y3U8	0.92	0.87	0.79	0.86	0.06	6	33.3	1.03E-78	
IPI00216260	Elongation factor Ts, mitochondrial	P43897-2	0.97	1.02	1.05	1.02	0.04	7	26.9	3.42E-82	
IPI00216293	Rhodanese	Q16762	1.09	1.25	1.61	1.32	0.26	4	20.5	1.02E-39	
IPI00216298	ATL-derived factor	P10599	0.88	1.13	1.12	1.04	0.14	8	48.6	2.9E-111	
IPI00216308	Outer mitochondrial membrane protein porin 1	P21796	1.10	1.02	1.06	1.06	0.04	14	62.2	0	
IPI00216318	14-3-3 protein beta/alpha	P31946-1	1.03	1.06	1.04	1.04	0.01	22	71.1	0	
IPI00216319	14-3-3 protein eta	Q04917	0.99	1.15	1.18	1.11	0.10	21	69.9	0	
IPI00216456	Histone H2A type 1-C	Q93077	1.08			1.08		7	46.2	4.7E-297	
IPI00216461	Acylphosphatase, muscle type isozyme	P14621		1.04		1.04		2	17.3	3.37E-16	
IPI00216470	1-phosphatidylinositol-5-phosphate 4-kinase 2-beta	P78356-1	1.17	1.41	1.15	1.24	0.15	2	6	4.4E-148	
IPI00216520	ADP-ribosylation factor-interacting protein 1	P53367-2		1.19		1.19		5	23.8	2.14E-64	
IPI00216587	40S ribosomal protein S8	P62241	0.89	0.86	0.88	0.87	0.01	15	60.1	0	
IPI00216592	Heterogeneous nuclear ribonucleoproteins C1/C2	P07910-2		1.03	1.03	1.03	0.00	23	60.8	0	
IPI00216654	140 kDa nucleolar phosphoprotein	Q14978-2	1.21	0.99		1.10	0.16	7	10.2	1.99E-21	
IPI00216659	Binder of OVCA1-1	Q9Y5S9-2		1.15		1.15		7	31.8	4.3E-125	
IPI00216674	Apoptotic protease Mch-3	P55210-2		0.73		0.73		2	7.5	0.00365	
IPI00216682	Calponin, acidic isoform	Q15417	1.01	1.12	1.02	1.05	0.06	13	43.5	0	
IPI00216691	Profilin I	P07737	0.88	1.09	1.03	1.00	0.11	16	78.6	0	
IPI00216694	Plastin-3	P13797	0.82	1.08	1.11	1.00	0.16	32	55.6	0	
IPI00216719	ELKS/Rab6-interacting/CAST family member 1	Q8IUD2-1	1.13	1.00	1.01	1.05	0.07	11	14	2.13E-94	
IPI00216730	Histone H2A type 2-B	Q8IUE6			1.48	1.48		3	30	4.13E-09	
IPI00216737	Mineral dust-induced gene protein	Q8IUF8-1	0.85	1.02	1.07	0.98	0.11	5	14.6	1.19E-38	
IPI00216746	Heterogeneous nuclear ribonucleoprotein K	P61978-2	1.11	1.01	1.00	1.04	0.06	28	59.1	0	
IPI00216750	Developmentally-regulated RNA-binding protein 1	Q8IUH3-1	1.35			1.35		1	2.9	6.33E-08	

IPI00216873	3-5 exonuclease ERI1	Q8IV48	0.95	1.00		0.98	0.04	2	7.2	7.8E-41
IPI00216874	LysM and putative peptidoglycan-binding domain-containing protein 2	Q8IV50-1	0.76	0.95		0.85	0.13	2	9.8	4.82E-08
IPI00216919	cDNA FLJ51091, highly similar to 65 kDa Yes-associated protein	B4DTY1	1.35	1.04	1.15	1.18	0.16	8	27.2	3.06E-49
IPI00216951	Aspartate--tRNA ligase	P14868	0.96	0.93	0.93	0.94	0.01	27	57.3	0
IPI00216952	70 kDa lamin	P02545-2	1.89	1.18	1.20	1.42	0.41	60	79.7	0
IPI00216965	27 kDa Golgi SNARE protein	O14653-2	0.84	0.86	0.88	0.86	0.02	4	18.3	3.5E-09
IPI00216999	Pumilio domain-containing protein C14orf21	Q86U38	0.83	0.74	0.98	0.85	0.12	6	12.1	1.8E-116
IPI00217007	Uncharacterized protein KIAA2013	Q8IYS2-2			1.05	1.05		2	3.9	3.89E-06
IPI00217013	Serine/threonine-protein phosphatase 4 regulatory subunit 3A	Q6IN85-1		1.44	0.96	1.20	0.34	4	6.2	6.86E-09
IPI00217018	Sterile alpha motif domain-containing protein 9	Q5K651	1.06	1.18	1.36	1.20	0.15	3	3.3	3.49E-47
IPI00217030	40S ribosomal protein S4, X isoform	P62701	0.80	0.88	0.84	0.84	0.04	26	74.9	1.9E-288
IPI00217056	Leprecan-like protein 2	Q8IVL6-1	1.20	1.11	1.16	1.16	0.05	8	15.1	2.1E-146
IPI00217059	Coiled-coil domain-containing protein 50	Q8IVM0-2	0.92	1.06	1.02	1.00	0.07	9	20.1	8.13E-75
IPI00217069	70 kDa ribosomal protein S6 kinase 2	Q9UBS0		0.81		0.81		2	12	1.89E-06
IPI00217104	Hepatocellular carcinoma-associated protein 4	Q96MG7	1.00	1.01	1.00	1.00	0.00	5	20.7	5.38E-78
IPI00217143	SDHA protein	Q8IW48	1.10	1.07	1.08	1.08	0.01	10	33.5	0
IPI00217223	AIR carboxylase	P22234	0.87	1.07	1.00	0.98	0.10	25	51.9	0
IPI00217236	TCP1-chaperonin cofactor A	O75347	0.97	0.98	0.90	0.95	0.05	14	63.9	5.2E-285
IPI00217240	WD repeat-containing protein 75	Q8IWA0	0.99	1.05	0.80	0.95	0.13	5	8.4	4.5E-134
IPI00217261	Testis-expressed sequence 2 protein	Q8IWB9-2			1.16	1.16		1	1.2	0.010289
IPI00217272	Acetoacetyl-CoA synthetase	Q86V21-1	0.89	0.87	0.88	0.88	0.01	4	7.7	2.05E-50
IPI00217282	DCN1-like protein 3	Q8IWE4			1.02	1.02		3	14.1	3.4E-05
IPI00217313	DnaJ homolog subfamily C member 20	Q8IWL3	1.03			1.03		2	8.5	0.000169
IPI00217354	ADP-ribosylation factor 1 GTPase-activating protein	Q8N6T3-2	0.98	1.07	0.93	0.99	0.07	10	36.2	2E-224
IPI00217357	Cell cycle and apoptosis regulatory protein 1	Q8IX12-1	1.03	1.04	1.13	1.07	0.06	10	9.6	5.8E-162
IPI00217413	ATP-dependent RNA helicase DHX29	Q7Z478	0.88	1.06	0.97	0.97	0.09	8	8	5.85E-77
IPI00217465	Histone H1.2	P16403	0.92	1.17		1.04	0.18	15	38.5	3.2E-178
IPI00217467	Histone H1.4	P10412	1.31	0.95	1.06	1.11	0.18	18	47.9	1.1E-213

IPI00217468	Histone H1.5	P16401	1.35	0.92	1.10	1.12	0.22	17	42.9	1.1E-302
IPI00217469	Histone H1.1	Q02539	1.33	0.90	0.86	1.03	0.26	12	32.1	4.5E-192
IPI00217477	High mobility group protein 2a	O15347	1.32	1.02	1.07	1.14	0.16	13	48	2.3E-255
IPI00217490	Factor for adipocyte differentiation 104	Q53EP0-1	0.76	0.73	0.79	0.76	0.03	6	6.9	2.05E-15
IPI00217519	Ras-related protein Ral-A	P11233	1.04	1.00	1.10	1.05	0.05	7	30.6	5.3E-135
IPI00217540	BRAF35-HDAC complex protein BHC110	O60341-2	1.26	0.98	1.04	1.09	0.15	3	5.5	1.03E-27
IPI00217541	ATP-dependent RNA helicase DDX51	Q8N8A6		2.14	0.60	1.37	1.09	2	8.1	1.19E-24
IPI00217553	39S ribosomal protein L27 homolog	Q8IXM3	1.02	0.88	0.95	0.95	0.07	5	33.6	4.45E-24
IPI00217557	Nuclear envelope membrane protein	Q8IXM6-1		1.02	1.06	1.04	0.02	3	13.4	2.12E-07
IPI00217563	Fibronectin receptor subunit beta	P05556-1	1.14	1.00	1.14	1.09	0.08	19	26.8	3.7E-293
IPI00217630	DEAH box protein 37	Q8IY37			0.71	0.71		2	2.9	8.62E-05
IPI00217652	Glucoside xylosyltransferase 1	Q4G148-1			1.10	1.10		2	5.5	0.001938
IPI00217661	Protein raver-1	Q8IY67-2	1.33	1.28	1.09	1.23	0.13	17	43.5	1.2E-155
IPI00217686	Protein ftsJ homolog 3	Q8IY81	0.99	0.99	0.91	0.96	0.05	15	24.3	1.5E-126
IPI00217766	85 kDa lysosomal membrane sialoglycoprotein	Q14108	1.37	1.02	1.28	1.22	0.18	5	14	1.41E-16
IPI00217831	Ankyrin repeat domain-containing protein 13A	Q8IZ07	0.83	1.06	1.15	1.01	0.17	5	9.7	6.14E-64
IPI00217852	Aminoacylase-1-like protein 2	Q8IYS1	1.02	0.81	1.14	0.99	0.17	3	11	2.95E-10
IPI00217862	RRP9 homolog	O43818	0.74	0.83	0.79	0.79	0.04	11	25.1	1.6E-160
IPI00217918	ELMO domain-containing protein 2	Q8IZ81	0.99	1.04		1.02	0.03	4	14.3	8.35E-18
IPI00217920	Aldehyde dehydrogenase family 16 member A1	Q8IZ83-1		1.24	1.08	1.16	0.12	7	18.2	1.63E-50
IPI00217943	Ras-related protein Rab-6A	P20340-2	1.10	1.18	1.22	1.16	0.06	11	55.8	0
IPI00217949	E2-EPF	Q16763	0.98	1.10	1.06	1.04	0.06	8	52.3	3.08E-88
IPI00217950	High mobility group nucleosome-binding domain-containing protein 2	P05204	1.68	1.37	1.24	1.43	0.23	6	53.3	1.42E-92
IPI00217952	D-fructose-6-phosphate amidotransferase 1	Q06210-1	0.94	1.18	1.12	1.08	0.13	20	37.9	0
IPI00217975	Lamin-B1	P20700	1.29	1.16	1.23	1.23	0.07	43	62.8	0
IPI00218019	5F7	P35613-1	1.48	0.84	0.97	1.10	0.34	8	26.8	1.6E-181
IPI00218187	Protein phosphatase 1C catalytic subunit	P36873-2	0.66	0.78	0.96	0.80	0.15	15	41.5	0
IPI00218214	Inhibitor of p53-induced apoptosis-alpha	O75414-1			1.10	1.10		2	11.9	5.98E-11
IPI00218236	Serine/threonine-protein phosphatase PP1-beta catalytic subunit	P62140	0.90	0.95	1.12	0.99	0.12	16	47.1	0

IPI00218268	Aging-associated gene 8 protein	Q99720-1		0.84	0.99	0.92	0.11	2	11.2	3.22E-07
IPI00218288	Protein transport protein Sec24D	O94855-2	0.86	1.14	1.14	1.05	0.16	15	20	4.6E-165
IPI00218319	Gamma-tropomyosin	P06753-2	1.12	0.95	1.05	1.04	0.08	41	85.5	0
IPI00218337	Lectin mannose-binding 2-like	Q9H0V9-2	1.09	1.23	1.13	1.15	0.07	3	8.9	4.56E-06
IPI00218342	C-1-tetrahydrofolate synthase, cytoplasmic	P11586		1.05	1.02	1.04	0.02	43	43.1	0
IPI00218343	Alpha-tubulin 6	Q9BQE3	1.11	1.13	1.14	1.13	0.02	31	74.4	0
IPI00218349	GDP-fucose protein O-fucosyltransferase 2	Q9Y2G5-3	1.18	1.31	1.29	1.26	0.07	6	14.2	6.11E-43
IPI00218442	Calcium pump 3	Q93084-6		0.91		0.91		3	3.4	3.59E-48
IPI00218449	Oxysterol-binding protein-related protein 9	Q96SU4-2			1.21	1.21		6	10.1	3.4E-117
IPI00218463	Mitochondria-associated granulocyte macrophage CSF-signaling molecule	Q9Y3D7			0.91	0.91		1	18.4	3.1E-215
IPI00218465	Phospholipase A-2-activating protein	Q9Y263	1.07	1.14	1.09	1.10	0.04	18	28.4	4.9E-218
IPI00218466	cDNA FLJ59739, highly similar to Protein transport protein Sec61 subunit alpha isoform 1	B4DR61		0.81	1.04	0.93	0.16	3	8.3	6.66E-12
IPI00218474	2-phospho-D-glycerate hydro-lyase	P13929-1		0.95	1.04	0.99	0.06	8	25.6	0
IPI00218493	Hypoxanthine-guanine phosphoribosyltransferase	P00492	0.93	0.98	0.96	0.96	0.02	10	49.1	9.7E-113
IPI00218539	Collagen alpha-1(XI) chain	P12107-2	1.39		1.28	1.34	0.07	17	15.3	2.2E-216
IPI00218606	40S ribosomal protein S23	P62266	0.82	0.94	0.89	0.88	0.06	6	37.1	5.26E-26
IPI00218624	Bax antagonist selected in saccharomyces 1	P18583-9		0.81	1.03	0.92	0.16	4	3.2	1.68E-21
IPI00218682	Procollagen-proline,2-oxoglutarate-4-dioxygenase subunit alpha-1	P13674-2			1.11	1.11		21	45.1	0
IPI00218693	Adenine phosphoribosyltransferase	P07741	1.00	1.03	1.00	1.01	0.02	7	53.9	9.26E-44
IPI00218694	Caldesmon	Q05682-2	0.80			0.80		36	48.9	0
IPI00218696	Caldesmon	Q05682-4	0.62			0.62		36	50.3	0
IPI00218729	Disks large homolog 1	Q12959-2	1.48	0.93	0.93	1.11	0.32	7	15.1	1.98E-36
IPI00218733	Superoxide dismutase [Cu-Zn]	P00441	1.41	1.11	1.11	1.21	0.18	13	90.9	1.4E-302
IPI00218775	51 kDa FK506-binding protein	Q13451		1.35	1.04	1.20	0.23	3	5.9	0.000302
IPI00218782	Capping protein (Actin filament) muscle Z-line, beta	B1AK88	0.94		1.08	1.01	0.10	25	49.9	3.2E-283
IPI00218803	Fibulin-1	P23142-3		1.47		1.47		2	4.7	2.86E-39
IPI00218831	Glutathione S-transferase Mu 1	P09488-1	1.07	1.16	1.16	1.13	0.05	15	55.5	7E-156
IPI00218848	ATP synthase subunit e, mitochondrial	P56385	0.92		0.97	0.95	0.04	2	23.6	1.78E-05

IPI00218858	Dual specificity mitogen-activated protein kinase kinase 3	P46734-3	0.75	0.88	0.83	0.82	0.06	8	23.3	5.4E-151
IPI00218889	Dynamin-2	P50570-2		1.15		1.15		24	31.9	2E-113
IPI00218895	DNA-directed RNA polymerase II subunit G	P62487	0.88	1.01	0.99	0.96	0.07	3	22.7	2.81E-32
IPI00218918	Annexin A1	P04083	1.00	1.15	1.19	1.11	0.10	33	78.3	0
IPI00218922	Translocation protein SEC63 homolog	Q9UGP8	0.90	0.91	0.85	0.89	0.03	9	14.2	4.8E-118
IPI00218924	Calcineurin B homolog	Q99653	1.25	1.21	1.36	1.27	0.07	13	70.8	2.2E-300
IPI00218962	Chromosome 20 open reading frame 43	A2A2L5	0.82	1.26	1.22	1.10	0.24	6	21.1	4.06E-98
IPI00219005	51 kDa FK506-binding protein	Q02790	0.90	0.90	0.82	0.87	0.05	29	64.7	0
IPI00219006	40S ribosomal protein S19-binding protein 1	Q86WX3	1.06	1.06	1.13	1.09	0.04	4	35.3	1.17E-51
IPI00219018	Glyceraldehyde-3-phosphate dehydrogenase	P04406	0.97	1.09	1.09	1.05	0.07	26	77	0
IPI00219025	Glutaredoxin-1	P35754		1.39	1.13	1.26	0.18	3	31.1	2.61E-15
IPI00219029	Aspartate aminotransferase, cytoplasmic	P17174	1.08	1.12	1.08	1.10	0.02	18	54.5	5.3E-278
IPI00219034	Complex I-19kD	P51970	0.98	0.93	0.91	0.94	0.04	8	59.9	6.8E-154
IPI00219037	Histone H2A.x	P16104	1.33	1.26	1.31	1.30	0.04	5	38.5	2.8E-128
IPI00219038	Histone H3.3	P84243		1.03	1.07	1.05	0.03	11	55.1	9.41E-28
IPI00219067	Glutathione S-transferase Mu 2	P28161			1.33	1.33		8	39	2.93E-60
IPI00219077	Leukotriene A(4) hydrolase	P09960-1	1.15	1.14	1.11	1.13	0.02	22	44.5	0
IPI00219078	Calcium pump 2	P16615-1	0.89	0.94	1.09	0.97	0.10	17	22.2	4.5E-195
IPI00219097	High mobility group protein 2	P26583	1.52	1.08	1.12	1.24	0.24	20	49.8	1.8E-196
IPI00219110	Frequenin homolog	P62166	1.11	1.07	1.41	1.19	0.19	4	30	1.08E-42
IPI00219129	NRH dehydrogenase [quinone] 2	P16083	1.03	1.26	1.32	1.21	0.15	3	16.5	2.87E-27
IPI00219153	60S ribosomal protein L22	P35268	0.83	0.51	0.88	0.74	0.20	6	60.9	1.3E-137
IPI00219155	60S ribosomal protein L27	P61353	0.96	0.86	0.90	0.91	0.05	10	49.3	8.74E-83
IPI00219160	60S ribosomal protein L34	P49207	0.79	0.97	0.87	0.88	0.09	8	39.3	2.54E-21
IPI00219168	Beta-V spectrin	Q9NRC6		0.99		0.99		3	0.8	0.0109
IPI00219217	LDH heart subunit	P07195	0.88	1.00	0.98	0.95	0.07	24	52.4	0
IPI00219219	14 kDa laminin-binding protein	P09382	0.98	1.15	1.11	1.08	0.09	9	63	1.3E-292
IPI00219229	U6 snRNA-associated Sm-like protein LSm3	P62310	1.16	0.99	0.97	1.04	0.10	2	13.7	6.13E-10
IPI00219299	Talin-2	Q9Y4G6	0.88	0.84	0.92	0.88	0.04	26	12.5	0
IPI00219301	Myristoylated alanine-rich C-kinase substrate	P29966	1.57	1.01	1.08	1.22	0.31	15	56.9	0

IPI00219344	Calcium-binding protein BDR-1	P37235	1.34	1.87	1.75	1.65	0.28	4	22.3	7.78E-22
IPI00219365	Membrane-organizing extension spike protein	P26038	1.04	1.10	1.13	1.09	0.05	64	78.9	0
IPI00219381	Complex I-B8	O43678	0.84	1.14	1.06	1.01	0.15	4	42.4	2.3E-138
IPI00219385	Complex I-B17	O95139	1.17	0.86	1.09	1.04	0.16	3	18.8	2.39E-05
IPI00219420	Basement membrane-associated chondroitin proteoglycan	Q9UQE7	1.10	1.08	1.22	1.13	0.08	36	36.6	0
IPI00219436	Microsomal signal peptidase 21 kDa subunit	Q9BY50	0.84		1.00	0.92	0.12	2	14.6	3.44E-13
IPI00219445	11S regulator complex subunit gamma	P61289-2	0.82	0.93	0.85	0.87	0.06	13	47.9	0
IPI00219446	HCNPPP	P30086	1.26	1.14	1.11	1.17	0.08	12	75.4	0
IPI00219468	Profilin II	P35080-1	0.82		1.32	1.07	0.35	6	37.9	6.7E-184
IPI00219518	ADP-ribosylation factor-like protein 1	P40616	0.84	1.05	1.02	0.97	0.11	6	30.9	5.48E-70
IPI00219525	6-phosphogluconate dehydrogenase, decarboxylating	P52209	1.11	1.36	1.37	1.28	0.15	18	38.7	0
IPI00219526	Glucose phosphomutase 1	P36871-1	1.16	1.11	1.09	1.12	0.04	26	50.5	0
IPI00219568	Phosphoglycerate kinase 2	P07205		0.83		0.83		8	24	6.2E-162
IPI00219575	Bleomycin hydrolase	Q13867	1.26	0.99	1.03	1.09	0.15	5	14.3	1.51E-70
IPI00219604	Dual specificity mitogen-activated protein kinase kinase 1	Q02750	1.24	1.05		1.14	0.13	8	24.7	2E-112
IPI00219616	Phosphoribosyl pyrophosphate synthase I	P60891	0.91	0.93	0.92	0.92	0.01	18	59.4	3.9E-262
IPI00219622	Macropain subunit C3	P25787	1.01	1.05	1.10	1.05	0.05	11	45.3	1.5E-146
IPI00219628	Protein kinase C beta type	P05771-2	1.96			1.96		2	5.5	3.07E-30
IPI00219649	Beta-thionase	P35520-2	1.30	0.69		1.00	0.43	3	4.4	0.000141
IPI00219673	Glutathione S-transferase kappa 1	Q9Y2Q3		1.20		1.20		4	19	1.62E-56
IPI00219675	Cell migration-inducing gene 5 protein	P63000-2	0.92	1.20	1.13	1.08	0.15	12	50.7	5.6E-150
IPI00219677	Phosphodeoxyriboaldolase	Q9Y315	0.99	1.18	1.07	1.08	0.10	7	34.6	3E-225
IPI00219678	Eukaryotic translation initiation factor 2 subunit 1	P05198	0.82	0.84	0.92	0.86	0.06	27	68.6	0
IPI00219679	Ras-related protein Rab-28	P51157-2		1.09		1.09		4	25.9	8.79E-89
IPI00219682	Erythrocyte band 7 integral membrane protein	P27105	1.09	1.28	1.29	1.22	0.11	10	46.5	3.5E-245
IPI00219718	cDNA FLJ76382, highly similar to Homo sapiens retinol binding protein 1, cellular (RBP1), mRNA	A8K2Q0		1.37		1.37		1	6.1	2.7E-15
IPI00219729	Mitochondrial 2-oxoglutarate/malate carrier protein	Q02978	0.92	1.02	0.99	0.98	0.05	11	38.9	4.7E-139

IPI00219757	Glutathione S-transferase P	P09211	1.08	1.11	1.17	1.12	0.05	14	61.4	0
IPI00219772	Cell adhesion protein SQM1	P17568	1.16	0.89	0.97	1.00	0.13	4	23.4	6.29E-09
IPI00219774	cAMP-dependent protein kinase type II-alpha regulatory subunit	P13861	0.97	1.18	1.08	1.08	0.10	17	53.7	0
IPI00219783	Ubiquitin-conjugating enzyme E2G 1	P62253	0.85	3.13		1.99	1.61	2	10	0.006058
IPI00219825	Prosaposin	B1AVU8	1.07	1.03	0.99	1.03	0.04	4	7.5	1.22E-22
IPI00219840	Adapter-related protein complex 2 sigma subunit	P53680-1		1.06		1.06		3	12.7	0.000859
IPI00219841	DNA ligase 1	P18858	1.05	1.14	1.41	1.20	0.19	13	21.8	8.1E-108
IPI00219861	Adipocyte acid phosphatase	P24666-1	0.87	1.16	1.15	1.06	0.16	6	47.5	1.2E-175
IPI00219871	N-alpha-acetyltransferase 38, NatC auxiliary subunit	O95777	1.07	1.03	1.13	1.07	0.05	3	36.5	8.35E-32
IPI00219910	Biliverdin reductase B	P30043	1.21	1.22	1.20	1.21	0.01	4	28	2.1E-116
IPI00219919	DNA methyltransferase 1-associated protein 1	Q9NPF5		1.14	1.27	1.21	0.09	3	10.7	2.07E-64
IPI00219953	Cytidine monophosphate kinase	P30085	0.94	1.09	1.10	1.04	0.09	10	45.6	5.7E-193
IPI00220007	cDNA FLJ55764, highly similar to Apolipoprotein-L2	B4E1T5	1.15	1.05	1.09	1.10	0.05	7	15.3	2.48E-83
IPI00220014	Isopentenyl-PP-delta-isomerase	Q13907-2	2.87	3.07	3.58	3.17	0.36	9	43	1.5E-121
IPI00220031	Paxillin	P49023-3	0.87	1.16	1.05	1.03	0.15	8	20	3.7E-200
IPI00220059	Complex I-B15	O95168	1.05	1.02	0.97	1.01	0.04	4	38	2.85E-80
IPI00220063	Complex I-15 kDa	O43920		0.99	1.08	1.04	0.06	3	29.2	6.87E-34
IPI00220150	Isocitrate dehydrogenase [NAD] subunit gamma, mitochondrial	P51553			1.06	1.06		2	8.7	6.17E-05
IPI00220152	BRCA2 and CDKN1A-interacting protein	Q9P287-2	0.91	0.93	0.87	0.90	0.03	5	24.2	6.9E-132
IPI00220154	Dilute myosin heavy chain, non-muscle	Q9Y411-3	0.98		1.12	1.05	0.10	2	1.2	1.42E-28
IPI00220158	Alpha-adducin	P35611-3	1.21	1.50	1.24	1.32	0.16	12	20.4	2.1E-101
IPI00220219	Beta-coat protein	P35606	0.87	1.02	1.00	0.96	0.08	33	48.8	0
IPI00220232	eIF-2B GDP-GTP exchange factor subunit delta	Q9UI10-2	0.92	0.89		0.91	0.02	8	20	3.7E-114
IPI00220267	Argininosuccinate lyase	P04424	1.11	1.05	1.00	1.06	0.06	4	11	5.8E-103
IPI00220271	Alcohol dehydrogenase [NADP+]	P14550	1.09	1.30	1.24	1.21	0.11	15	53.2	1.3E-300
IPI00220278	20 kDa myosin light chain	P24844	0.85	0.83	1.01	0.90	0.10	11	66.3	0
IPI00220299	FAD pyrophosphorylase	Q8NFF5-1	1.18	0.89	0.72	0.93	0.23	4	11.2	6.06E-69
IPI00220301	1-Cys peroxiredoxin	P30041	1.02	1.06	1.06	1.05	0.02	19	65.2	0



IPI00220302	Female-lethal(2)D homolog	Q15007-1	1.32	1.54	1.11	1.32	0.22	4	13.4	3.66E-59
IPI00220308	Merlin	P35240-2	0.98	1.06	0.93	0.99	0.07	5	8.7	1.02E-24
IPI00220327	67 kDa cytokeratin	P04264	11.80	0.11	0.11	4.01	6.75	40	57.6	0
IPI00220342	DDAHI	O94760	1.27	1.14	1.29	1.23	0.08	3	16.5	3.14E-14
IPI00220344	60S ribosomal protein L36a	P83881	0.90	0.93	0.87	0.90	0.03	8	47.2	9.82E-46
IPI00220362	10 kDa chaperonin	P61604	0.93	0.84	0.84	0.87	0.05	9	69.6	7.93E-81
IPI00220373	Abeta-degrading protease	P14735	1.13	1.22	0.70	1.02	0.27	3	4	9.49E-25
IPI00220402	Protein phosphatase inhibitor 2	P41236	1.06	1.09	1.21	1.12	0.07	5	27.3	5.77E-25
IPI00220416	Complex III subunit 7	P14927		0.95	0.96	0.95	0.01	4	35.1	1.09E-37
IPI00220484	High mobility group nucleosome-binding domain-containing protein 4	O00479			1.29	1.29		2	18.9	2.49E-78
IPI00220487	ATP synthase subunit d, mitochondrial	O75947-1	1.07	0.95	1.02	1.01	0.07	13	79.5	1.72E-84
IPI00220503	50 kDa dynein-associated polypeptide	Q13561	1.16	0.98	1.06	1.07	0.09	18	52.7	0
IPI00220527	Sorting nexin-1	Q13596-2	1.14		1.26	1.20	0.08	10	23.9	1.87E-47
IPI00220528	Sm protein F	P62306	0.92	0.93	0.86	0.90	0.04	4	40.7	2.38E-98
IPI00220566	Selenoprotein Z	Q9NNW7-1	0.81	1.38	1.06	1.08	0.28	2	5	1E-34
IPI00220567	5,10-methenyl-tetrahydrofolate synthetase	P49914	0.91	1.11	1.00	1.01	0.10	3	13.3	8.81E-14
IPI00220578	G(i) alpha-3	P08754	1.19	1.70	1.59	1.49	0.27	15	39.5	0
IPI00220581	Disks large-associated protein 4	Q9Y2H0-2		1.35	1.24	1.29	0.08	2	4.2	7.7E-173
IPI00220609	Nucleoporin SEH1	Q96EE3-1	0.90	1.08	1.20	1.06	0.15	4	12.6	4.52E-63
IPI00220628	AKAP 120-like protein	Q99996-6		0.91		0.91		3	1.3	3.03E-23
IPI00220642	14-3-3 protein gamma	P61981	0.99	1.04	1.02	1.02	0.03	20	68.8	0
IPI00220648	Phosphomevalonate kinase	Q15126	0.97	1.05	1.12	1.05	0.07	13	63.5	1.4E-103
IPI00220683	AU-rich element RNA-binding protein 1	Q14103-2		1.11	1.11	1.11	0.00	22	43.2	0
IPI00220709	Beta-tropomyosin	P07951-2	0.71	0.82	0.89	0.81	0.09	45	83.1	0
IPI00220726	Apoptotic cysteine protease	Q14790-9	1.30	1.27		1.28	0.02	3	7.2	4.08E-80
IPI00220739	Membrane-associated progesterone receptor component 1	O00264	1.37	1.04	1.14	1.18	0.17	12	49.2	0
IPI00220741	Erythroid alpha-spectrin	P02549-1		1.27		1.27		3	1.5	0.001527
IPI00220766	Aldoketomutase	Q04760	1.11	1.08	1.07	1.09	0.02	10	51.1	1.77E-70
IPI00220770	Dynactin subunit 6	O00399	0.64	1.01		0.83	0.26	3	18.9	8.86E-23

IPI00220827	Thymosin beta-10	P63313	1.12	1.17	0.99	1.10	0.09	3	31.8	3.18E-14
IPI00220834	86 kDa subunit of Ku antigen	P13010	0.98	1.06	1.08	1.04	0.05	43	55.6	0
IPI00220835	Protein transport protein Sec61 subunit beta	P60468	0.76	1.06	0.97	0.93	0.16	3	37.5	2.86E-25
IPI00220873	3-phosphoadenosine-5-phosphosulfate synthase	O95340-2	0.70	1.11	1.05	0.95	0.22	13	22.8	1.4E-163
IPI00220918	CXXC-type zinc finger protein 9	P26358-2	0.79			0.79		27	20.2	7.2E-232
IPI00221002	22 kDa peroxisomal membrane protein	Q9NR77	1.18			1.18		2	9.7	0.001831
IPI00221012	Deubiquitinating enzyme FAF-X	Q93008-2	0.91	1.03	1.00	0.98	0.06	16	8.2	9.8E-109
IPI00221035	RNA polymerase B transcription factor 3	P20290-1	1.03	0.89	0.76	0.89	0.14	15	65.5	8.7E-189
IPI00221088	40S ribosomal protein S9	P46781	0.86	0.91	0.91	0.89	0.03	21	62.4	2.6E-165
IPI00221089	40S ribosomal protein S13	P62277	0.91	0.89	0.87	0.89	0.02	12	62.9	4.2E-154
IPI00221091	40S ribosomal protein S15a	P62244	0.82	0.92	0.76	0.83	0.08	7	45.4	2.02E-76
IPI00221092	40S ribosomal protein S16	P62249	0.77	0.93	0.93	0.88	0.09	10	56.8	9.17E-45
IPI00221093	40S ribosomal protein S17	P08708	0.90	0.91	0.82	0.88	0.05	14	72.6	6.7E-275
IPI00221106	Pre-mRNA-splicing factor SF3b 145 kDa subunit	Q13435	1.27	0.99	1.04	1.10	0.15	23	29.3	4.8E-158
IPI00221108	Thymidylate synthase	P04818	0.86	1.20	1.20	1.08	0.20	11	46.6	4.5E-256
IPI00221172	N-recogin-7	Q8N806	1.19	1.43	1.56	1.39	0.19	1	3.1	4.2E-113
IPI00221222	Activated RNA polymerase II transcriptional coactivator p15	P53999	1.19	1.15	1.06	1.13	0.07	11	56.7	4.96E-95
IPI00221226	67 kDa calelectrin	P08133	0.97	1.03	1.06	1.02	0.05	60	78.5	0
IPI00221231	Bis(5-nucleosyl)-tetrphosphatase [asymmetrical]	P50583	0.97	1.14	0.92	1.01	0.12	4	36.1	7.31E-30
IPI00221232	Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-12	Q9UBI6	1.03	1.20	1.16	1.13	0.09	5	70.8	1.72E-91
IPI00221234	Aldehyde dehydrogenase family 7 member A1	P49419	1.02	1.09	1.15	1.09	0.06	20	43.6	0
IPI00221300	eIF-2B GDP-GTP exchange factor subunit alpha	Q14232	0.85	1.20	0.97	1.01	0.18	11	39.7	1.5E-126
IPI00221325	358 kDa nucleoporin	P49792	0.80	1.02	0.93	0.92	0.11	28	12.7	3.4E-285
IPI00221327	RNA 3-terminal phosphate cyclase	O00442-2	0.88	0.92	1.00	0.93	0.06	6	19.8	1.93E-31
IPI00221328	Chloride intracellular channel protein 2	O15247	1.01		1.29	1.15	0.20	5	32	3.98E-39
IPI00232533	Eukaryotic translation initiation factor 1A, X-chromosomal	P47813	0.88	0.91	0.88	0.89	0.02	9	45.8	1.6E-274
IPI00234252	BRG1-associated factor 155	Q92922	0.99	0.95	0.91	0.95	0.04	12	13.5	3.24E-88
IPI00234793	cDNA FLJ61112, highly similar to BTB/POZ	B4DGD9		0.90		0.90		3	14.3	2.26E-77

	domain-containing protein KCTD15									
IPI00237884	A-kinase anchor protein 12	Q02952-1	1.04	0.90	0.84	0.93	0.11	2	1.8	1.34E-23
IPI00238209	NudC domain-containing protein 3	Q8IVD9	1.16	0.53		0.84	0.45	3	11.6	7.57E-13
IPI00238218	ARF GTPase-activating protein GIT2	Q14161-1		1.05		1.05		2	4.9	1.1E-06
IPI00238469	Centrosomal protein of 97 kDa	Q8IW35-2			1.28	1.28		4	5.8	3.24E-71
IPI00239077	Adenosine 5-monophosphoramidase	P49773	0.97	1.12	1.08	1.06	0.08	6	40.5	1.35E-43
IPI00239406	Nesprin-2	Q8WXH0-2		0.81	0.90	0.85	0.07	5	1	1.57E-09
IPI00239815	Cirhin	Q969X6-1	0.88	0.76	0.69	0.78	0.10	8	16.5	3.4E-151
IPI00241860	Mitochondrial intermediate peptidase	Q99797		0.68	1.09	0.89	0.29	2	4.8	3.53E-08
IPI00242630	HEAT repeat-containing protein 2	Q86Y56-1	1.17	1.09	0.96	1.07	0.10	3	5.5	2.16E-08
IPI00243221	Nardilysin (N-arginine dibasic convertase)	B1AKJ5	0.95	0.96	1.00	0.97	0.02	16	14.3	1.35E-81
IPI00246975	Glutathione S-transferase Mu 3	P21266	1.06	1.09	1.08	1.08	0.02	13	53.3	3.6E-108
IPI00247063	Atriopeptidase	P08473		1.41	1.88	1.64	0.33	2	3.6	1.97E-10
IPI00247583	60S ribosomal protein L21	P46778	0.93	0.93	0.91	0.92	0.01	9	51.9	2.4E-65
IPI00247871	TATA box-binding protein-associated factor 2S	O14776-1	1.10	0.90	1.00	1.00	0.10	11	12.1	1.54E-88
IPI00249529	Centrosomal protein of 78 kDa	Q5JTW2-2	1.16	1.22	1.05	1.14	0.09	5	11.8	9.73E-89
IPI00250297	4-phosphopantetheinyl transferase	Q9NRN7	0.77	0.97	0.98	0.91	0.12	7	20.7	2.8E-85
IPI00251559	E3 ubiquitin-protein ligase BRE1A	Q5VTR2	0.92	1.05	1.06	1.01	0.08	14	16.4	1E-212
IPI00251749	Glucocorticoid receptor	P04150-3	1.23	1.34	1.06	1.21	0.14	6	11.7	1.7E-175
IPI00251989	DNA-directed RNA polymerase I subunit E	Q9GZS1-1	0.79	0.80		0.79	0.01	3	8.1	2.13E-28
IPI00253036	1.2E+08	P14209-1	0.81	1.27	1.17	1.09	0.24	2	13	1.85E-37
IPI00254162	Neural polypyrimidine tract-binding protein	Q9UKA9-3			0.83	0.83		2	7.8	4.87E-18
IPI00254338	Protein FAM134C	Q86VR2	0.88	1.31		1.10	0.31	2	5.2	2.82E-09
IPI00255052	Complex I-B22	Q9Y6M9	1.20	0.92	0.95	1.02	0.15	6	34.6	1.1E-100
IPI00256861	620 kDa actin-binding protein	Q9UPN3-2	0.97	0.89	0.89	0.91	0.05	39	9.4	0
IPI00257508	Collapsin response mediator protein 2	Q16555	1.49	1.38	1.39	1.42	0.06	26	60.3	0
IPI00257882	Imidodipeptidase	P12955	0.99	1.14	1.11	1.08	0.08	7	17.8	1.75E-25
IPI00257932	Transcription elongation factor A protein-like 5	Q5H9L2	1.60			1.60		2	12.1	4.94E-66
IPI00258168	Fox-1 homolog B	O43251-8	1.30	1.15	1.10	1.18	0.10	4	15.1	1.52E-57
IPI00260090	cDNA FLJ60834, highly similar to Engulfment	B4DRL5	1.50	1.28	1.13	1.30	0.18	10	19.9	2.02E-55

	and cell motility protein 2 (CED-12 homolog A)									
IPI00260715	75 kDa DNA-pairing protein	P35637-1	1.43	0.79	0.94	1.05	0.33	9	17.8	1E-161
IPI00288941	Coactivator independent of AF-2	Q9HCD5	1.06	0.59	0.93	0.86	0.24	4	10	1.35E-21
IPI00288947	Guanine nucleotide-binding protein alpha-q	P50148	1.17	1.24	1.25	1.22	0.04	10	32.3	1.54E-59
IPI00289031	Protein FAM160B1	Q5W0V3-1		1.27		1.27		2	5.1	2E-30
IPI00289082	Protein-tyrosine phosphatase G1	Q05209	1.43	1.21	0.99	1.21	0.22	7	12.3	2.7E-155
IPI00289491	Cancer susceptibility candidate gene 3 protein	O15234	1.11			1.11		2	5	5.53E-08
IPI00289499	5-aminoimidazole-4-carboxamide ribonucleotide formyltransferase	P31939	0.86	0.97	0.98	0.94	0.07	33	66.7	0
IPI00289547	Transcription factor jun-D	P17535	2.03		1.39	1.71	0.45	3	15	2.33E-54
IPI00289601	Histone deacetylase 2	Q92769-2	0.92	1.01	1.00	0.98	0.05	9	19.9	6.1E-120
IPI00289667	DNA-directed RNA polymerase III subunit H	Q9Y535-1	0.93	1.22		1.07	0.20	2	20.6	3.42E-30
IPI00289746	Alpha-PAK	Q13153-2		1.17	1.32	1.24	0.11	6	14.8	0
IPI00289758	Calcium-activated neutral proteinase 2	P17655	1.00	1.15	1.12	1.09	0.08	29	46.4	0
IPI00289807	Mitochondrial tRNA nucleotidyl transferase, CCA-adding	Q96Q11-1	0.96	1.02	0.89	0.96	0.07	8	21.4	1.9E-145
IPI00289819	300 kDa mannose 6-phosphate receptor	P11717	1.01	0.59	0.98	0.86	0.23	8	3.7	1.23E-29
IPI00289831	Receptor-type tyrosine-protein phosphatase S	Q13332-1		0.94	1.94	1.44	0.71	2	1.8	2.78E-18
IPI00289876	Syntaxin-7	O15400-1	1.45	1.23	1.13	1.27	0.16	6	34.1	1.1E-128
IPI00290071	DDB1- and CUL4-associated factor 8	Q5TAQ9-1			0.95	0.95		2	3.9	5.31E-52
IPI00290085	Cadherin-2	P19022	1.10	0.96	1.00	1.02	0.07	5	8.4	1.4E-207
IPI00290110	Neoplastic transformation inhibitor protein	Q53EL6	4.00	3.70	3.23	3.64	0.39	6	24.7	6.91E-68
IPI00290142	CTP synthase 1	P17812	0.81	0.92	0.91	0.88	0.06	26	45	1.6E-189
IPI00290192	Aicardi-Goutieres syndrome 4 protein	O75792	0.98	1.51	1.12	1.20	0.28	4	24.4	1.24E-74
IPI00290204	U1 small nuclear ribonucleoprotein 70 kDa	P08621-1	1.26	1.08	1.11	1.15	0.09	17	31.1	3E-82
IPI00290239	Calcium/calmodulin-dependent protein kinase kinase 2	Q96RR4-1	0.96			0.96		2	3.4	0.000647
IPI00290272	DNA polymerase alpha 70 kDa subunit	Q14181	0.85	1.10	0.99	0.98	0.12	4	11	6.87E-11
IPI00290279	Adenosine 5-phosphotransferase	P55263-1	1.21	0.64	0.93	0.93	0.29	4	17.7	1.66E-16
IPI00290305	Nori-2	Q96S44	1.12	0.93	1.03	1.03	0.10	3	15.8	2.27E-84
IPI00290314	ATPase WRNIP1	Q96S55-1		1.24		1.24		3	6.3	1.4E-172

IPI00290337	Epidermal growth factor receptor kinase substrate 8	Q12929	1.03	1.27	1.37	1.22	0.18	7	14.2	4.7E-145
IPI00290358	Protein CCSMST1	Q4G0I0		0.89		0.89		2	34.8	2.04E-05
IPI00290409	BCL2/adenovirus E1B 19 kDa protein-interacting protein 3	Q12983	1.23	1.01	0.87	1.04	0.18	2	12.4	4.56E-16
IPI00290410	Deoxynucleotidyltransferase terminal-interacting protein 2	Q5QJE6	1.01	1.05	0.92	0.99	0.06	12	22.2	1E-232
IPI00290435	Kinesin-like protein 6	Q99661-1	0.87	1.42	1.12	1.14	0.28	11	17.9	2.7E-121
IPI00290460	eIF3 p42	O75821	1.01	0.91	0.83	0.92	0.09	12	45	5.7E-179
IPI00290461	eIF3 p35	O75822	0.93	0.99	0.92	0.95	0.04	15	37.6	1.2E-76
IPI00290462	Carbonyl reductase [NADPH] 3	O75828	1.22	1.41	1.35	1.33	0.10	16	67.5	0
IPI00290514	Integrator complex subunit 9	Q9NV88	1.08			1.08		2	4.3	0.000269
IPI00290542	Hrs-binding protein	O75886-1	1.20	1.07	0.95	1.08	0.12	5	11.4	1.15E-14
IPI00290566	CCT-alpha	P17987	0.90	0.92	0.94	0.92	0.02	28	55.8	0
IPI00290614	Endonuclease G, mitochondrial	Q14249		1.62		1.62		2	7.7	0.007193
IPI00290652	HBV pX-associated protein 8	Q96T23-1	0.65	1.04	0.79	0.83	0.20	2	3	5.87E-76
IPI00290684	2(3)-polynucleotidase	Q96T60	1.24	1.20	1.01	1.15	0.12	7	17.9	4.7E-60
IPI00290799	Uncharacterized protein C18orf19	Q96ND0	1.10	1.12		1.11	0.01	4	11.8	2.31E-06
IPI00290812	Lodestar homolog	Q9UNY4-1		1.37	1.24	1.31	0.09	6	8.1	1.18E-16
IPI00290928	Guanine nucleotide-binding protein subunit alpha-13	Q14344	1.19	1.30	1.37	1.29	0.09	11	30.8	6.64E-86
IPI00290945	cDNA FLJ78444, highly similar to Homo sapiens paraoxonase 2, transcript variant 1, mRNA	A4D1H7		1.07	1.13	1.10	0.04	4	13.3	5.94E-96
IPI00290952	Ribosomal RNA processing protein 1 homolog B	Q14684-1	0.87	1.03	0.99	0.96	0.08	11	18.7	5.91E-79
IPI00290979	1-acylglycerol-3-phosphate O-acyltransferase ABHD5	Q8WTS1	0.93			0.93		1	4.6	0.000983
IPI00291006	Malate dehydrogenase, mitochondrial	P40926	0.91	1.00	1.00	0.97	0.05	22	66.9	0
IPI00291016	Complex I-9kD	Q8WU60	1.20	0.84	0.85	0.96	0.21	7	22.4	1.13E-73
IPI00291093	DNA-directed RNA polymerase II 23 kDa polypeptide	P19388	0.90	0.98	1.07	0.98	0.09	5	27.6	2.1E-108
IPI00291136	Collagen alpha-1(VI) chain	P12109	1.12	1.01	1.15	1.10	0.07	21	29.3	0
IPI00291200	133 kDa nucleoporin	Q8WUM0	0.96	1.08	1.03	1.02	0.06	19	21.1	1.8E-291
IPI00291215	B aggressive lymphoma protein 2	Q460N5-2	1.25	1.21	1.56	1.34	0.19	5	4.3	4.21E-11
IPI00291316	Guanine nucleotide exchange factor H1	Q92974-1			0.97	0.97		25	31.8	1.4E-236

IPI00291398	Nucleolysin TIA-1 isoform p15	P31483-1	0.93	1.17	1.04	1.05	0.12	6	13.7	2.37E-43
IPI00291412	Ca(2+)/calmodulin-dependent protein kinase phosphatase	P49593	1.07	1.08	1.07	1.07	0.00	7	26	3.83E-55
IPI00291417	Dephospho-CoA kinase domain-containing protein	Q8WVC6-1		1.17	1.03	1.10	0.10	2	10	4.1E-06
IPI00291419	Acetoacetyl-CoA acetyltransferase-2	Q9BWD1	1.56	1.68	1.79	1.68	0.12	15	40.6	0
IPI00291467	Adenine nucleotide translocator 3	P12236	0.74	0.83	0.74	0.77	0.05	17	46.3	3.84E-82
IPI00291483	17-beta-hydroxysteroid dehydrogenase type 5	P42330	0.98		1.40	1.19	0.30	10	31.9	2.2E-138
IPI00291510	IMPDH-II	P12268	0.83	0.94	0.92	0.90	0.06	25	50.4	0
IPI00291570	Caspase-2	P42575-1	1.36	1.18		1.27	0.13	2	8.8	3.3E-08
IPI00291608	PEST proteolytic signal-containing nuclear protein	Q8WW12-1	1.50	1.10	1.08	1.22	0.24	9	52.2	2.6E-194
IPI00291643	SPRY domain-containing protein 4	Q8WW59		0.84		0.84		2	9.2	0.001805
IPI00291646	Methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1-like	B7ZM99	0.76	0.72	0.70	0.73	0.03	12	15.8	3.41E-66
IPI00291669	Ubiquitin-like domain-containing CTD phosphatase 1	Q8WVY7	1.22	1.18	1.01	1.14	0.12	5	15.1	1.64E-16
IPI00291695	Probable glutathione peroxidase 8	Q8TED1	0.92	1.06	1.09	1.02	0.09	6	31.6	4.81E-59
IPI00291751	Uncharacterized protein C2orf47, mitochondrial	Q8WWC4	0.83	0.81	0.85	0.83	0.02	5	17.9	1.64E-10
IPI00291764	Histone H2A type 1	P0C0S8	1.26	1.19	1.02	1.16	0.12	7	46.2	4.7E-297
IPI00291783	Gem-associated protein 5	Q8TEQ6	0.87	0.83	0.78	0.83	0.04	9	8	0
IPI00291802	F-box only protein 20	Q8WWI1-3	0.83	0.97	0.95	0.92	0.08	22	23.1	0
IPI00291893	DCN1-like protein 1	Q96GG9	0.96	1.17	1.26	1.13	0.15	6	24.7	5.8E-157
IPI00291916	IRS-1 PH domain-binding protein	Q8WWQ0	0.90	0.98		0.94	0.06	5	4.3	9.8E-38
IPI00291922	Macropain zeta chain	P28066	0.96	1.00	1.00	0.99	0.02	12	57.3	1E-242
IPI00291928	Ras-related protein Rab-14	P61106	1.01	1.08	1.14	1.08	0.07	15	77.7	0
IPI00291930	Clathrin interactor 1	Q14677-1	1.14	1.31	1.17	1.21	0.09	8	19.1	8.08E-69
IPI00291939	Sb1.8	Q14683	1.12	1.08	1.16	1.12	0.04	20	18.2	2.48E-94
IPI00291946	Deubiquitinating enzyme 10	Q14694	0.88	1.06	0.90	0.95	0.10	13	26.4	8.29E-58
IPI00292000	Pre-mRNA-processing factor 31	Q8WWY3-1	1.16	1.11	1.04	1.10	0.06	13	29.7	5.7E-109
IPI00292020	Putrescine aminopropyltransferase	P19623	0.70	0.95	0.86	0.84	0.13	11	37.1	1.27E-92
IPI00292134	Epidermal growth factor receptor substrate 15	P42566-1	1.39	1.07	0.90	1.12	0.25	5	11.3	7.73E-30

IPI00292135	Integral nuclear envelope inner membrane protein	Q14739	1.08	0.95	1.13	1.05	0.09	4	8.6	6.7E-119
IPI00292140	Apopain	P42574	1.04	1.14	1.35	1.17	0.16	4	11.9	1.41E-08
IPI00292168	Anti-silencing function protein 1 homolog A	Q9Y294	1.33	1.10	1.24	1.22	0.11	3	16.7	1.19E-65
IPI00292228	Glycogen synthase kinase-3 alpha	P49840	0.93	1.20	1.15	1.09	0.14	5	19.3	5.26E-83
IPI00292354	E3 ubiquitin-protein ligase RNF181	Q9P0P0	0.78	1.07	0.90	0.91	0.15	4	27.5	4.67E-13
IPI00292496	Tubulin beta-8 chain	Q3ZCM7			0.99	0.99		13	28.4	3.3E-140
IPI00292499	Heat shock 70 kDa protein 14	Q0VDF9	0.79	1.02	0.85	0.89	0.12	5	16.1	1.31E-42
IPI00292537	DNA-binding factor KBF1	P19838-2	0.80	0.82	1.05	0.89	0.14	9	13	6.01E-84
IPI00292657	15-oxoprostaglandin 13-reductase	Q14914	1.45	1.15	1.10	1.23	0.19	7	24.3	1.92E-32
IPI00292753	GAPex-5	Q14C86-6	0.98	1.01	0.91	0.96	0.05	7	7.5	2.25E-75
IPI00292787	Actin-related protein 5	Q9H9F9	1.03	1.21	1.05	1.10	0.10	5	14.3	2.49E-55
IPI00292894	Pre-rRNA-processing protein TSR1 homolog	Q2NL82	0.85	0.89	0.76	0.83	0.07	8	13.8	6.4E-204
IPI00292953	Ankycorbin	Q9P0K7-2	0.64	0.98		0.81	0.24	7	7.7	2.72E-40
IPI00292975	RNA-binding motif protein 27	Q9P2N5		1.03	1.04	1.03	0.01	7	10.8	4.46E-24
IPI00293009	Rab GTPase-binding effector protein 1	Q15276-1	1.10	1.30	0.98	1.12	0.16	6	10.3	3.7E-167
IPI00293026	Elongation factor Tu GTP-binding domain-containing protein 1	Q7Z2Z2-1		1.29	0.88	1.08	0.29	3	5.4	4.29E-25
IPI00293073	Fzo homolog	Q8IWA4-1	0.65	0.92	0.98	0.85	0.18	4	7.2	1.37E-66
IPI00293078	DEAD box protein 27	Q96GQ7	0.95	0.97	0.98	0.97	0.01	8	11.8	1.59E-70
IPI00293088	70 kDa lysosomal alpha-glucosidase	P10253	1.29	1.22	1.25	1.25	0.04	3	5.4	2.3E-15
IPI00293126	Cytoskeleton-associated protein 1	Q99426	0.92	1.18	1.13	1.08	0.14	16	45.5	7.6E-286
IPI00293167	Stromal cell-derived factor 2	Q99470	1.15	1.21	1.30	1.22	0.08	3	22.3	2.11E-34
IPI00293260	DnaJ homolog subfamily C member 10	Q8IXB1-1	1.04	1.02	1.08	1.05	0.03	6	10.8	1.71E-30
IPI00293276	Glycosylation-inhibiting factor	P14174	1.07	1.13	0.96	1.05	0.09	2	17.4	1.93E-38
IPI00293303	Asparaginyl endopeptidase	Q99538	0.73	0.86	1.15	0.91	0.21	3	11.3	5.16E-55
IPI00293307	Adipophilin	Q99541	0.54	0.25	0.30	0.36	0.15	4	12.4	7.39E-29
IPI00293331	Ribonucleases P/MRP protein subunit POP1	Q99575	0.81	0.87	0.91	0.86	0.05	15	20.2	1.35E-70
IPI00293350	Translin-associated factor X	Q99598	1.04	1.06	1.12	1.07	0.04	9	33.4	5.2E-118
IPI00293425	Frataxin intermediate form	Q16595-1	0.97	0.77	0.81	0.85	0.11	4	25.7	3.79E-30
IPI00293434	18 kDa Alu RNA-binding protein	P37108	1.08	1.34	1.27	1.23	0.13	8	42.6	1.27E-78

IPI00293464	Damage-specific DNA-binding protein 1	Q16531	1.03	1.00	1.07	1.03	0.03	41	41.6	1.3E-238
IPI00293476	39S ribosomal protein L23, mitochondrial	Q16540			0.93	0.93		5	40.5	1.27E-82
IPI00293533	62 kDa nucleoporin	P37198	1.84	0.74	0.95	1.18	0.58	6	12.6	2.5E-57
IPI00293564	3-hydroxy-3-methylglutarate-CoA lyase	P35914	1.30	1.30	1.28	1.30	0.01	5	18.2	4.58E-64
IPI00293613	NF-kappa-B-activating kinase	Q9UHD2		1.17		1.17		2	4	6.18E-23
IPI00293655	ATP-dependent RNA helicase DDX1	Q92499	0.93	1.00	1.01	0.98	0.04	22	36.6	4.2E-284
IPI00293665	Cytokeratin-6B	P04259			0.44	0.44		12	22.2	9.5E-276
IPI00293735	Elongator complex protein 1	O95163	0.84	1.00	0.93	0.92	0.08	11	12.4	4.8E-93
IPI00293746	Multiple myeloma tumor-associated protein 2	Q9BU76-1		1.04	1.00	1.02	0.02	2	9.9	9.44E-21
IPI00293748	Inositol (1,3,4,5)-tetrakisphosphate 3-phosphatase	Q9UNW1-1	1.02	1.39	1.27	1.23	0.19	1	2.3	8.41E-14
IPI00293817	Gamma-soluble NSF attachment protein	Q99747	0.88	1.05	1.08	1.00	0.11	4	14.4	7.52E-76
IPI00293921	DNA topoisomerase 2-binding protein 1	Q92547			1.25	1.25		2	2.4	6.43E-11
IPI00293946	Erasin	Q92575	1.16	1.06	1.09	1.10	0.05	3	8.7	4.6E-111
IPI00294008	ZW10 interactor	O95229	1.00			1.00		3	12.3	3.95E-19
IPI00294158	Biliverdin reductase A	P53004	1.04	1.20	1.21	1.15	0.09	10	38.9	2.6E-122
IPI00294159	Citrate transport protein	P53007	1.13	1.43	1.46	1.34	0.18	6	19	2.93E-26
IPI00294186	Serine beta-lactamase-like protein LACTB, mitochondrial	P83111-1			1.24	1.24		1	1.8	3.38E-05
IPI00294211	ATP-dependent RNA helicase DHX38	Q92620	0.94		0.97	0.96	0.03	3	3.2	7.34E-23
IPI00294229	RNA 3-terminal phosphate cyclase-like protein	Q9Y2P8	0.90	0.65	0.80	0.78	0.13	4	11.5	1.28E-53
IPI00294242	28S ribosomal protein S31, mitochondrial	Q92665	1.20	0.87	0.85	0.97	0.19	6	22.3	1.6E-99
IPI00294426	68 kDa TATA-binding protein-associated factor	Q92804-1	1.13	0.97	0.91	1.00	0.11	6	16.6	5.6E-109
IPI00294481	UPF0172 protein FAM158A	Q9Y3B6		1.05		1.05		1	6.2	1.18E-12
IPI00294495	Ubiquitin-fold modifier-conjugating enzyme 1	Q9Y3C8	1.02	1.27	1.28	1.19	0.15	4	24.6	9.25E-08
IPI00294501	7-dehydrocholesterol reductase	Q9UBM7	2.19		2.06	2.13	0.09	3	6.9	4.59E-23
IPI00294536	cDNA FLJ51909, highly similar to Serine-threonine kinase receptor-associated protein	B4DNJ6	0.83	1.01	0.95	0.93	0.10	21	68	0
IPI00294567	F-box only protein 7	Q9Y3I1	1.01	1.23	1.26	1.17	0.14	4	11.1	7.11E-48
IPI00294610	DnaJ homolog subfamily A member 3, mitochondrial	Q96EY1-1	1.04	1.03	0.97	1.02	0.03	5	11.7	3.55E-30
IPI00294618	Papillary renal cell carcinoma translocation-associated gene protein	Q92733	1.72	1.01	0.96	1.23	0.43	7	35.8	3.98E-83



IPI00294619	Protein TFG	Q92734	1.47		0.93	1.20	0.38	8	29.5	1.06E-38
IPI00294680	Putative TRAF4-associated factor 1	Q9Y448	0.88	0.96	0.85	0.89	0.06	7	32.6	2.9E-128
IPI00294739	Dendritic cell-derived IFNG-induced protein	Q9Y3Z3-1	1.02	1.01	1.09	1.04	0.05	8	15.8	6.5E-103
IPI00294742	La ribonucleoprotein domain family member 7	Q4G0J3-1	1.26	1.08	1.08	1.14	0.10	6	13.1	1.48E-68
IPI00294744	Deadenylating nuclease	O95453		0.68		0.68		3	6.1	3.43E-42
IPI00294779	Outer mitochondrial membrane protein porin 3	Q9Y277-2	1.03	1.17	1.19	1.13	0.09	9	33.8	5.9E-109
IPI00294834	Aspartate beta-hydroxylase	Q12797	1.29	1.11	1.29	1.23	0.11	19	31.1	0
IPI00294839	Lysyl oxidase homolog 2	Q9Y4K0	0.84	0.90	0.87	0.87	0.03	6	12.7	1.8E-111
IPI00294842	Kinase homologous to SPS1/STE20	Q9Y4K4		1.09		1.09		3	5.2	3.85E-06
IPI00294879	Ran GTPase-activating protein 1	P46060	0.79	0.90	0.77	0.82	0.07	22	46.7	0
IPI00294903	Phosphomannomutase 1	Q92871	0.87	1.69	1.26	1.27	0.41	6	26	2.17E-51
IPI00294911	Iron-sulfur subunit of complex II	P21912	0.89	1.01	0.99	0.96	0.06	8	29.3	9.84E-25
IPI00294943	H7-AP2	Q9Y4X5			1.06	1.06		2	7.4	9.46E-58
IPI00294955	Glycine-rich protein	Q9Y4Z0	1.14	1.20	0.96	1.10	0.13	4	26.6	3.68E-09
IPI00294962	Cbl-interacting protein of 85 kDa	Q96B97-1	1.08	1.39	1.18	1.21	0.16	8	20.6	4.61E-43
IPI00294997	nm23-H7	Q9Y5B8		1.27		1.27		2	6.1	4.26E-12
IPI00295066	39S ribosomal protein L48, mitochondrial	Q96GC5	0.98	1.07	1.05	1.03	0.05	3	16	4.7E-110
IPI00295081	Gamma-1-tubulin	P23258	0.91	1.08	0.88	0.96	0.11	8	25.5	2.6E-149
IPI00295098	Protein APMCF1	Q9Y5M8	0.70	0.89	0.88	0.82	0.11	10	42.4	4.7E-257
IPI00295209	Sorting nexin-5	Q9Y5X3	0.82	0.99	1.17	0.99	0.17	9	23.8	2.68E-28
IPI00295240	Cysteine desulfurase, mitochondrial	Q9Y697-1	1.26	1.19	1.09	1.18	0.09	3	8.8	2.49E-34
IPI00295386	15-hydroxyprostaglandin dehydrogenase [NADP+]	P16152	1.05	1.18	1.19	1.14	0.08	19	71.1	0
IPI00295387	Cytokine receptor-like factor 3	Q8IUI8	0.93	1.20	1.26	1.13	0.18	3	10.6	6.53E-39
IPI00295400	Interferon-induced protein 53	P23381-1	0.81	1.25	1.17	1.08	0.23	13	32.9	2.2E-302
IPI00295457	Myosin phosphatase Rho-interacting protein	Q6WCCQ1-2	0.90	0.98	0.95	0.94	0.04	15	21.2	8.7E-131
IPI00295497	3-alkyladenine DNA glycosylase	P29372-1	0.85	1.38	1.15	1.12	0.27	6	31.9	2.32E-59
IPI00295502	Protein Wiz	O95785-1		0.99	0.98	0.98	0.01	3	3.4	5.5E-09
IPI00295542	CALNUC	Q02818	0.94	1.16	1.20	1.10	0.14	5	11.7	1.29E-57
IPI00295575	Collagen alpha-1(XI) chain	P12107-1		1.06		1.06		18	14.6	1.3E-258

IPI00295585	20 kDa CGG-binding protein	Q9UFW8	1.09	1.47	1.48	1.35	0.22	11	65.3	1.07E-88
IPI00295601	BM88 antigen	Q8N111	2.91			2.91		3	45	9.09E-80
IPI00295624	Developmentally-regulated brain protein	Q16643-2		0.91		0.91		29	49.3	0
IPI00295741	APP secretase	P07858	1.19	1.03	1.16	1.13	0.09	7	29.2	3.1E-130
IPI00295772	Lanosterol 14 alpha-demethylase	Q16850-1	1.83	1.71	1.81	1.78	0.06	12	29.7	5.1E-204
IPI00295849	Geranylgeranyl transferase type II subunit beta	P53611	0.61			0.61		2	6.6	9.85E-11
IPI00295851	Beta-coat protein	P53618	0.85	1.03	0.97	0.95	0.09	30	37	0
IPI00295857	Alpha-coat protein	P53621-1		1.00		1.00		41	38	0
IPI00295889	Signal recognition particle 19 kDa protein	P09132	0.80	0.94	0.90	0.88	0.07	9	51.4	2.4E-255
IPI00295940	cDNA FLJ55508, highly similar to Sad1/unc-84-like protein 2	B4E2A6	1.26	1.62	1.59	1.49	0.20	8	18.5	1.2E-174
IPI00295992	ATPase family AAA domain-containing protein 3A	Q9NVI7-2	0.83	0.78	0.80	0.80	0.02	19	37.4	2.2E-215
IPI00296022	Complex III subunit 6	P07919	0.95	0.86	0.86	0.89	0.05	5	67	2.01E-81
IPI00296053	Fumarate hydratase, mitochondrial	P07954-1	1.00	1.03	1.02	1.02	0.01	16	39.8	0
IPI00296099	Thrombospondin-1	P07996	0.61	0.91	1.05	0.86	0.22	5	6.8	6.03E-21
IPI00296157	All-trans-13,14-dihydroretinol saturase	Q6NUM9-1	1.16	1.14	1.38	1.22	0.13	4	9.2	9.07E-29
IPI00296191	Nef-binding protein 1	Q9UI12-1	0.94	1.23	1.31	1.16	0.19	5	18.2	2.3E-128
IPI00296197	BiP-associated protein	Q9H173	1.32	1.12	1.13	1.19	0.11	3	7.2	2.07E-21
IPI00296259	Endoplasmic reticulum stress-response protein 25	Q7Z7H5-1	0.77	1.17	1.51	1.15	0.37	4	18.9	3.39E-28
IPI00296337	DNA-dependent protein kinase catalytic subunit	P78527-1	0.94	0.90	0.93	0.92	0.02	116	31.9	0
IPI00296374	Zinc finger protein MCG4	O95159		0.95	0.90	0.93	0.04	2	10.3	2.6E-05
IPI00296432	IWS1-like protein	Q96ST2-1	1.51	0.84	0.82	1.06	0.39	5	6.3	5.7E-105
IPI00296441	Adenosine aminohydrolase	P00813		1.23	1.25	1.24	0.01	4	13.8	4.04E-22
IPI00296485	BPY2-interacting protein 1	Q66K74		1.29	1.28	1.29	0.01	3	4.4	1.23E-11
IPI00296526	cDNA FLJ56394, highly similar to N-acetylglucosamine kinase (EC 2.7.1.59)	B4DLZ5	0.97	1.16	1.16	1.10	0.11	14	43.8	1.4E-246
IPI00296535	2-hydroxyacyl-CoA lyase 1	Q9UJ83		0.93		0.93		3	5	3.16E-08
IPI00296563	GTP-binding protein GUF1 homolog	Q8N442	0.87	1.07		0.97	0.14	4	9.3	3.03E-19
IPI00296635	1,4-alpha-glucan-branching enzyme	Q04446	0.96	1.07	1.18	1.07	0.11	22	37.7	3.6E-135
IPI00296713	Acrogranin	P28799-1			1.21	1.21		2	3.5	2.64E-06

IPI00296772	ADP-ribosylation factor-binding protein GGA2	Q9UJY4		1.52	1.36	1.44	0.12	5	11.6	7.29E-17
IPI00296805	Oculospanin	Q9H1Z9			1.22	1.22		1	2.3	0.004008
IPI00296830	Leucine zipper protein 1	Q86V48-1	0.92	1.11	1.01	1.02	0.09	14	16.1	1.35E-73
IPI00296907	Palmitoyl-CoA oxidase	Q15067-1	0.86	0.99	0.76	0.87	0.12	3	6.2	2.46E-25
IPI00296909	193 kDa vault protein	Q9UUK3			9.37	9.37		2	1	3.21E-18
IPI00296922	Laminin B1s chain	P55268	1.17	1.04	1.17	1.12	0.08	16	13.8	0
IPI00296992	AXL oncogene	P30530-1	0.77	0.82	0.74	0.78	0.04	6	9.1	5.32E-79
IPI00296999	ATP synthase mitochondrial F1 complex assembly factor 2	Q8N5M1			2.50	2.50		2	7.3	2.76E-05
IPI00297084	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase 48 kDa subunit	P39656	1.03	0.89	1.11	1.01	0.11	14	47.6	5.2E-209
IPI00297211	Sucrose nonfermenting protein 2 homolog	O60264	0.84	0.99	0.93	0.92	0.07	39	34	0
IPI00297241	Nucleolar pre-ribosomal-associated protein 1	O60287		0.92	0.77	0.84	0.11	5	3.3	1.88E-07
IPI00297261	Protein-tyrosine phosphatase 1B	P18031	0.94	1.24	1.20	1.13	0.16	11	26.9	2.12E-65
IPI00297333	TBC1 domain family member 24	Q9ULP9-1	1.35	1.28		1.31	0.05	2	6.1	2.86E-06
IPI00297357	Liver-related putative tumor suppressor	Q96BK5-1			0.58	0.58		3	16.5	2.96E-08
IPI00297452	Putative uncharacterized protein TFG	C9JJP5		0.75		0.75		7	12.6	4.17E-23
IPI00297455	A-kinase anchor protein 8-like	Q9ULX6		1.13		1.13		2	3.3	1.26E-06
IPI00297475	Dolichol-phosphate mannose synthase subunit 3	Q9P2X0-2	0.90	1.20	1.19	1.10	0.17	2	13.1	3.14E-33
IPI00297477	U2 small nuclear ribonucleoprotein A	P09661	1.21	1.04	1.10	1.11	0.09	15	39.2	1E-217
IPI00297492	B5	P46977	1.01	0.78	1.05	0.94	0.15	6	7.9	2.82E-09
IPI00297572	Intron-binding protein aquarius	O60306	1.06	0.66	0.96	0.89	0.21	5	5.9	5.05E-38
IPI00297578	130 kDa GPBP-interacting protein	Q4L180-1		1.00	0.62	0.81	0.27	4	4.2	2.3E-08
IPI00297579	Chromobox protein homolog 3	Q13185	1.18	1.18	1.07	1.14	0.06	12	46.4	0
IPI00297617	PH domain leucine-rich repeat-containing protein phosphatase 1	O60346	0.58			0.58		1	1.7	7.19E-05
IPI00297626	Platelet Sec1 protein	O00186	0.95	1.24	1.22	1.14	0.16	3	6.1	1.65E-39
IPI00297646	Alpha-1 type I collagen	P02452	1.46	1.26	1.44	1.39	0.11	43	43.4	0
IPI00297655	Neurogenic locus notch homolog protein 2	Q04721	1.51	0.95	1.17	1.21	0.28	3	2.3	1.34E-07
IPI00297723	Lung cancer antigen NY-LU-12	P78332	1.09			1.09		2	3	2.13E-09
IPI00297779	CCT-beta	P78371	0.82	0.91	0.85	0.86	0.05	39	76.1	0
IPI00297851	ATP-dependent helicase CHD1	O14646-1	0.80		0.73	0.76	0.05	4	3.9	5.14E-31

IPI00297900	DEAD box protein 10	Q13206	0.74	0.80	0.78	0.77	0.03	9	13.7	2.41E-70
IPI00297982	Eukaryotic translation initiation factor 2 subunit 3	P41091	0.93	0.88	0.94	0.92	0.03	23	54.9	3.5E-278
IPI00298058	DRB sensitivity-inducing factor 160 kDa subunit	O00267-1	0.98	1.00	0.74	0.91	0.14	5	7.6	1.65E-82
IPI00298111	Sorting nexin-6	Q9UNH7	1.03	1.14	1.19	1.12	0.08	13	33.3	3.2E-213
IPI00298202	Acyl-CoA thioesterase 8	O14734	0.94		0.84	0.89	0.07	2	12.2	6.65E-23
IPI00298281	Laminin B2 chain	P11047	0.79	0.81	0.84	0.82	0.03	24	22.2	0
IPI00298289	Foocen	Q9NQC3-2		0.96		0.96		8	32.4	2.7E-70
IPI00298308	Aldehyde dehydrogenase family 1 member L2	Q35Y69-1	0.90	0.95	1.21	1.02	0.16	2	2.9	3.71E-28
IPI00298406	Hydroxyacyl-coenzyme A dehydrogenase, mitochondrial	Q16836-2	1.21			1.21		6	14.6	1.13E-19
IPI00298409	Phosducin-like protein	Q13371	0.81	1.65	1.45	1.30	0.44	2	7.6	2.11E-78
IPI00298423	Dihydrolipoamide dehydrogenase-binding protein of pyruvate dehydrogenase complex	O00330	0.99	1.14	1.17	1.10	0.09	5	12.6	8.4E-86
IPI00298520	Archain 1, isoform CRA_a	B0YIW6	0.83	1.10	1.03	0.99	0.14	22	36.8	2.5E-199
IPI00298547	Oncogene DJ1	Q99497	1.05	1.00	1.04	1.03	0.02	15	61.4	3E-277
IPI00298558	Cerebral cavernous malformations 3 protein	Q9BUL8	1.09	1.00	1.06	1.05	0.05	6	39.6	6.71E-68
IPI00298612	[3-methyl-2-oxobutanoate dehydrogenase [lipoamide]] kinase, mitochondrial	O14874		1.00		1.00		2	7.3	0.000714
IPI00298618	Eukaryotic translation initiation factor 1A domain-containing protein	Q8N9N8	0.76	0.90	0.86	0.84	0.07	5	38.8	5.7E-131
IPI00298625	Tyrosine-protein kinase Lyn	P07948-1	0.89			0.89		4	7.6	1.74E-19
IPI00298662	UPF0449 protein C19orf25	Q9UFG5-1			0.95	0.95		2	26.1	8.29E-18
IPI00298731	MHC class I region proline-rich protein CAT53	Q96QC0	1.22	1.34	1.06	1.20	0.14	6	9.9	4.27E-49
IPI00298788	Double-stranded RNA-binding protein 76	Q12906-1	2.15	0.86	1.05	1.35	0.70	32	41.2	0
IPI00298851	CD151 antigen	P48509	1.18	0.95	1.30	1.14	0.18	3	9.1	6.13E-05
IPI00298883	5-azacytidine-induced protein 1	Q9UPN4-1			1.27	1.27		3	3.1	7.02E-05
IPI00298928	Leucine-rich repeat protein SHOC-2	Q9UQ13-1		0.74		0.74		2	5.7	1.44E-29
IPI00298935	JmjC domain-containing histone demethylation protein 2B	Q7LBC6-1	1.23	0.82		1.03	0.29	2	1.9	2.39E-10
IPI00298940	Aurora kinase A	O14965	0.75	1.23	1.11	1.03	0.25	5	18.4	3.55E-30
IPI00298946	Down syndrome critical region protein 3	O14972	1.85	1.41	1.17	1.48	0.35	2	10.4	5.07E-53
IPI00298949	Cyclin-G-associated kinase	O14976	1.06			1.06		2	3.2	0.000191

IPI00298961	Chromosome region maintenance 1 protein homolog	O14980	0.95	1.09	1.08	1.04	0.08	32	37.9	0
IPI00298991	WASH complex subunit 7	Q2M389-1	1.11	1.16	1.19	1.15	0.04	9	10.3	2.52E-93
IPI00298994	Talin-1	Q9Y490	0.92	1.00	1.00	0.97	0.05	130	65.1	0
IPI00299000	Cell cycle protein p38-2G4 homolog	Q9UQ80	0.89	0.93	0.88	0.90	0.02	25	60.9	0
IPI00299003	Protein WAVE-3	Q9UPY6	1.18			1.18		2	3	6.26E-14
IPI00299024	22 kDa neuronal tissue-enriched acidic protein	P80723-1	1.11		1.10	1.10	0.01	2	22	2.54E-09
IPI00299033	Importin alpha Q2	O00505	3.76	1.09	1.09	1.98	1.54	8	21.7	5E-123
IPI00299063	Stromal interaction molecule 1	Q13586	1.25	1.15		1.20	0.07	3	6.1	2.77E-11
IPI00299084	Protein DB83	P57088	0.68	0.81	0.94	0.81	0.13	5	17.4	4.71E-58
IPI00299086	Melanoma differentiation-associated protein 9	O00560-1	1.60	2.04	1.76	1.80	0.22	7	45.6	6.1E-187
IPI00299088	Brain-specific angiogenesis inhibitor 1-associated protein 2	Q9UQB8-1	0.92	1.17	0.94	1.01	0.14	18	44	1E-160
IPI00299095	Sorting nexin-2	O60749	1.12	1.11	1.05	1.09	0.03	17	35.5	1.7E-220
IPI00299145	Cytokeratin-6C	P48668		0.29		0.29		20	32.3	0
IPI00299149	HSMT3	P61956	1.15	1.07	0.96	1.06	0.10	3	27.4	4.5E-123
IPI00299155	Macropain subunit C9	P25789	0.92	1.09	1.09	1.03	0.10	12	54	1.7E-189
IPI00299158	Nectin-like protein 5	P15151-1	0.89	0.96	0.99	0.95	0.05	3	8.4	9.3E-145
IPI00299193	Mitochondrial outer membrane protein 25	P57105	0.96			0.96		3	27.6	6.07E-06
IPI00299214	Thymidine kinase, cytosolic	P04183	0.94	1.62	1.61	1.39	0.39	13	57.7	8.8E-284
IPI00299219	CCN family member 1	O00622	0.46	0.61	0.66	0.58	0.10	7	22.6	1.94E-56
IPI00299254	Eukaryotic translation initiation factor 5B	O60841	1.03	0.93	0.96	0.97	0.05	20	22.2	4.3E-171
IPI00299263	ADP-ribosylation factor GTPase-activating protein 3	Q9NP61	0.80		0.93	0.87	0.09	9	22.9	2.9E-116
IPI00299299	Heat shock 70 kDa protein 13	P48723	1.03	1.30	1.28	1.20	0.15	4	9.1	2.9E-13
IPI00299387	Protein M5-14	Q9NPL8	0.87	0.97	0.86	0.90	0.06	7	29.5	1.26E-43
IPI00299402	Pyruvate carboxylase, mitochondrial	P11498	1.11	1.18	1.28	1.19	0.09	7	8.1	2.39E-46
IPI00299413	GA-binding protein alpha chain	Q06546	0.91	1.21	1.28	1.13	0.19	3	10.1	4.6E-22
IPI00299417	Functional spliceosome-associated protein 79	Q13769		0.88	1.01	0.94	0.09	3	7.2	6.74E-29
IPI00299463	Cell cycle regulatory protein p95	O60934			1.40	1.40		2	3.3	6.83E-12
IPI00299465	Leucine zipper transcription factor-like protein 1	Q9NQ48	1.43	1.24	1.05	1.24	0.19	9	38.5	2.6E-167

IPI00299507	Barren homolog protein 1	Q15003	1.01	1.25	0.96	1.07	0.15	12	23.9	2E-113
IPI00299512	Neurofibromatosis-related protein NF-1	P21359-1	1.03	1.10		1.06	0.05	2	1.1	5E-05
IPI00299517	Abraxas brother protein 1	Q15018	1.00			1.00		2	5.8	1.81E-09
IPI00299524	Chromosome condensation-related SMC-associated protein 1	Q15021	1.04	1.05	1.09	1.06	0.03	30	29.5	0
IPI00299554	Kinesin-like protein KIF14	Q15058		1.25		1.25		2	1.4	0.000121
IPI00299571	Protein disulfide isomerase P5	Q15084-2	1.16	1.03	1.15	1.11	0.07	19	41.1	0
IPI00299573	60S ribosomal protein L7a	P62424	0.84	0.86	0.90	0.87	0.03	26	59	0
IPI00299608	26S proteasome non-ATPase regulatory subunit 1	Q99460-1	1.03	1.00	1.01	1.01	0.02	28	42.3	0
IPI00299635	Baculoviral IAP repeat-containing protein 6	Q9NR09		0.13	0.57	0.35	0.31	2	1.2	0.001555
IPI00299667	Vesicle-associated membrane protein 4	O75379-1	1.07	0.92	1.28	1.09	0.18	3	26.2	7.1E-142
IPI00299738	Procollagen C-endopeptidase enhancer 1	Q15113	1.62	1.95	1.78	1.78	0.16	10	30.1	3.99E-78
IPI00299904	CDC47 homolog	P33993-1	1.06	1.23	1.24	1.18	0.10	27	43.4	5.7E-294
IPI00299977	14 kDa phosphohistidine phosphatase	Q9NRX4	0.96	1.24	1.25	1.15	0.16	3	21.6	2.09E-41
IPI00300074	Phenylalanine--tRNA ligase beta chain	Q9NSD9	0.85	0.95	0.94	0.91	0.06	22	38.5	1.3E-139
IPI00300078	Periodic tryptophan protein 2 homolog	Q15269	0.72	0.91	0.89	0.84	0.11	7	8.8	2.71E-80
IPI00300094	Large subunit GTPase 1 homolog	Q9H089	0.88	0.99		0.94	0.08	2	3.6	0.00335
IPI00300096	GTP-binding protein RAY	Q15286	1.01	1.10	1.10	1.07	0.05	12	54.2	8.3E-155
IPI00300127	N-acetyltransferase 10	Q9H0A0	0.80	0.93	0.80	0.84	0.07	28	34.7	0
IPI00300278	Activator-recruited cofactor 32 kDa component	Q96G25-2	1.11	0.92	0.99	1.01	0.10	6	27.6	2.2E-103
IPI00300299	Microsomal signal peptidase 22/23 kDa subunit	P61009	0.98	0.96	1.01	0.98	0.03	4	20.6	1.22E-34
IPI00300333	Pancreatic differentiation protein 2	Q8N7H5-1	5.20	1.12	0.95	2.42	2.40	6	14.1	4E-24
IPI00300341	Elongin 15 kDa subunit	Q15369	0.89	1.08	1.01	0.99	0.10	7	58.9	1.2E-275
IPI00300371	Pre-mRNA-splicing factor SF3b 130 kDa subunit	Q15393-1	1.02	0.99	1.02	1.01	0.02	37	34.5	0
IPI00300504	Nonsense mRNA reducing factor 2	Q9HAU5-1	1.37	0.92	1.17	1.15	0.23	3	2.9	1.66E-06
IPI00300562	Ras-related protein Rab-3B	P20337	0.78	0.91	0.88	0.86	0.07	11	48.9	5E-230
IPI00300567	3,2-trans-enoyl-CoA isomerase, mitochondrial	P42126-1	1.10	1.10	1.16	1.12	0.03	5	17.9	1.7E-126
IPI00300585	GTPase-interacting protein 2	Q9HB90	1.22			1.22		3	9.3	9.01E-09
IPI00300659	Cell division cycle protein 73 homolog	Q6P1J9	0.82	1.16	1.01	0.99	0.17	14	24.9	3.61E-36
IPI00300697	RING finger protein 108	Q9H270		1.47	1.23	1.35	0.17	2	3.2	1.2E-27

IPI00300725	Cytokeratin-6A	P02538	2.84			2.84		20	32.3	0
IPI00300763	Methionine aminopeptidase	B4DUX5	0.95	0.98	1.02	0.98	0.04	18	51.4	3.6E-255
IPI00300789	Double-stranded RNA-binding protein Staufeu homolog 2	Q9NUL3-1	0.99	1.66		1.32	0.47	2	4.7	3.05E-07
IPI00301051	NHL repeat-containing protein 2	Q8NBF2-1		1.10	0.96	1.03	0.10	4	10.9	1.16E-25
IPI00301058	Vasodilator-stimulated phosphoprotein	P50552	0.93	1.19	1.12	1.08	0.13	16	43.4	0
IPI00301139	Activator-recruited cofactor 77 kDa component	Q9NVC6-1	0.99	1.09	1.13	1.07	0.07	4	9.2	6.76E-25
IPI00301144	C-alpha-formylglycine-generating enzyme 1	Q8NBK3-1	0.98	1.44	1.12	1.18	0.24	4	15.2	4.03E-46
IPI00301163	CAP10-like 46 kDa protein	Q8NBL1	1.16	0.73	1.19	1.02	0.26	5	15.3	7.1E-167
IPI00301263	Aspartate carbamoyltransferase	P27708	0.83	0.94	0.90	0.89	0.06	23	13.6	3.9E-141
IPI00301280	Protein LUMA	Q9BTV4	1.07	0.97	1.12	1.05	0.08	19	54.2	0
IPI00301305	Nasopharyngeal carcinoma-associated gene 20 protein	Q9NZ09-1		1.05	1.27	1.16	0.16	3	8.5	3.58E-91
IPI00301311	HLA-DR-associated protein II	Q01105-2	1.24	1.01	1.04	1.10	0.12	12	37.9	0
IPI00301323	ATP-dependent RNA helicase DDX18	Q9NVP1	0.88	0.86	0.93	0.89	0.03	8	12.7	1.29E-40
IPI00301364	Cyclin-A/CDK2-associated protein p19	P63208-1	0.95	1.18	1.07	1.07	0.12	12	66.9	6.8E-211
IPI00301419	COP9 signalosome complex subunit 7a	Q9UBW8	1.01	1.12	1.15	1.09	0.07	9	38.9	3E-101
IPI00301428	cDNA FLJ60315	B4DNR0			1.18	1.18		1	5.4	0.000492
IPI00301434	Bola-like protein 2	Q9H3K6-1	0.84	1.11	0.97	0.98	0.13	5	39.5	9.84E-96
IPI00301489	Uroporphyrinogen decarboxylase	P06132	1.25	1.27	1.15	1.23	0.07	10	31.3	7.4E-101
IPI00301561	Opa-interacting protein 1	Q15654	0.91	1.12	0.91	0.98	0.13	11	38.7	9.11E-76
IPI00301579	cDNA FLJ59142, highly similar to Epididymal secretory protein E1	B4DV10	1.58	1.40	1.42	1.47	0.10	5	35.3	9.2E-90
IPI00301609	Nercc1 kinase	Q8TD19	1.22	1.53		1.38	0.22	3	4.2	2.4E-23
IPI00301936	cDNA FLJ60076, highly similar to ELAV-like protein 1	B4DVB8	1.02	1.09	1.06	1.06	0.04	15	44.2	2.4E-207
IPI00302030	Ras-related protein Rab-30	Q15771	9.58			9.58		3	15.8	2.2E-18
IPI00302047	cDNA FLJ77693, highly similar to Homo sapiens calpastatin (CAST), transcript variant 3, mRNA	A8K8C4	1.57	0.98	1.16	1.24	0.30	13	49.7	0
IPI00302176	H/ACA ribonucleoprotein complex subunit 1	Q9NY12-1	0.89	0.81	0.77	0.82	0.06	7	35.5	1.95E-68
IPI00302238	Apoptosis-antagonizing transcription factor	Q9NY61	1.13	1.04	0.88	1.02	0.13	4	13	4.1E-95
IPI00302281	ATP-dependent 61 kDa nucleolar RNA helicase	Q9NY93	0.65	1.01	0.87	0.84	0.18	5	10.4	2.69E-77
IPI00302329	Myosin heavy chain 8	P13535			0.94	0.94		4	2.3	2.59E-05

IPI00302453	Axonemal beta dynein heavy chain 9	Q9NYC9-1	0.99	1.12		1.05	0.09	4	0.8	0.002801
IPI00302605	Solute carrier family 30 member 7	Q8NEW0	0.66	0.94	0.89	0.83	0.15	2	6.6	2.62E-92
IPI00302647	Coiled-coil and C2 domain-containing protein 1A	Q6P1N0-1	1.00	1.36	1.18	1.18	0.18	14	21	1.7E-74
IPI00302652	Cofactor required for Sp1 transcriptional activation subunit 8	Q6P2C8-1	1.14		1.23	1.19	0.06	2	9.6	3.29E-08
IPI00302658	HAUS augmin-like complex subunit 4	Q9H6D7-1	0.76		1.34	1.05	0.40	3	11.3	3.65E-43
IPI00302674	Coiled-coil domain-containing protein 134	Q9H6E4	1.42	1.19	1.30	1.30	0.11	7	28.8	3.07E-66
IPI00302688	Enoyl-CoA hydratase domain-containing protein 1	Q9NTX5-1	0.93	1.01	0.91	0.95	0.05	9	42.7	3.5E-192
IPI00302690	Actin-related protein 10	Q9NZ32			1.14	1.14		2	7.9	1.36E-12
IPI00302712	Cytoplasmic dynein 1 intermediate chain 2	Q13409-2			1.07	1.07		14	26.9	1.9E-158
IPI00302850	Small nuclear ribonucleoprotein Sm D1	P62314	0.98	0.88	0.97	0.94	0.06	3	28.6	1.5E-26
IPI00302927	CCT-delta	P50991	0.84	0.91	0.84	0.86	0.04	34	66	0
IPI00303099	Borealin	Q53HL2	1.09	1.62	1.34	1.35	0.26	7	27.5	2E-40
IPI00303158	CMP-N-acetylneuraminic acid synthase	Q8NFW8-1	0.92	1.35	1.16	1.14	0.22	4	15.2	3.41E-56
IPI00303195	Syncoilin	Q9H7C4	1.12	0.84		0.98	0.20	3	5.8	4.3E-06
IPI00303207	2-5-oligoadenylate-binding protein	P61221	0.79	0.91	0.86	0.85	0.06	28	52.1	0
IPI00303258	Dyxin	Q9NZU5	1.34	1.06		1.20	0.20	3	12.9	2.62E-06
IPI00303292	Importin subunit alpha-1	P52294	1.01	1.18	1.16	1.12	0.09	10	19.9	8.2E-237
IPI00303297	DnaJ homolog subfamily C member 25	Q9H1X3-3			1.80	1.80		2	11.8	5.49E-05
IPI00303300	65 kDa FK506-binding protein	Q96AY3	1.16	1.18	1.13	1.16	0.03	14	28.2	4.3E-158
IPI00303318	L1	Q9NUQ9	1.09	1.28	1.12	1.16	0.10	10	41.7	0
IPI00303402	Phosphorylated adapter RNA export protein	Q9H814	1.13	1.08	1.06	1.09	0.03	4	12.2	8.19E-31
IPI00303439	cDNA FLJ13963 fis, clone Y79AA1001299, highly similar to Homo sapiens integrase interactor 1b protein (INI1B)	Q9H836	0.96	1.02	0.96	0.98	0.03	7	25.9	3.28E-46
IPI00303476	ATP synthase subunit beta, mitochondrial	P06576	1.18	0.89	1.03	1.03	0.15	25	70.9	0
IPI00303568	Microsomal prostaglandin E synthase 2	Q9H7Z7	0.99	0.86	0.81	0.89	0.09	8	30.2	1.2E-103
IPI00303602	Axin interaction partner and dorsalization antagonist	Q96BJ3-1	1.07	1.20	1.08	1.12	0.07	10	35	3.87E-97
IPI00303753	Hcp beta-lactamase-like protein C1orf163	Q96BR5	0.82	0.78	0.69	0.76	0.07	7	36.8	6.2E-99
IPI00303813	Nucleolar protein 11	Q9H8H0	0.68	0.87	0.79	0.78	0.09	5	9.9	8.7E-104



IPI00303832	RNA polymerase-associated protein RTF1 homolog	Q92541	1.04	1.28	1.20	1.17	0.12	8	13.9	1.83E-38
IPI00303867	Protein FAM176A	Q9H8M9	0.93	1.11	0.84	0.96	0.14	2	11.2	5.19E-15
IPI00303868	Glycogen [starch] synthase, muscle	P13807	0.80	1.05	0.85	0.90	0.13	13	25.9	8E-130
IPI00303882	47 kDa mannose 6-phosphate receptor-binding protein	O60664-1	1.40	1.13	1.08	1.21	0.17	22	69.4	0
IPI00303954	Cytochrome b5 outer mitochondrial membrane isoform	O43169	1.50	1.38	1.40	1.43	0.06	4	48	4.07E-66
IPI00304082	Isochorismatase domain-containing protein 1	Q96CN7	0.91	1.18	1.09	1.06	0.13	5	20.5	6.23E-76
IPI00304171	Core histone macro-H2A.1	O75367-1	1.25	1.14	1.14	1.18	0.07	15	40.9	8.4E-122
IPI00304181	Eukaryotic translation initiation factor 2C 3	Q9H9G7		0.69		0.69		2	3.7	1.53E-55
IPI00304187	RNA-binding motif protein 28	Q9NW13	0.72	0.98	0.86	0.85	0.13	10	14.5	2.54E-88
IPI00304227	Cadherin-11	P55287-1	1.83			1.83		1	2.4	1.77E-05
IPI00304232	Ribosome biogenesis protein WDR12	Q9GZL7	0.69	0.84	0.78	0.77	0.08	11	31.2	2.38E-83
IPI00304264	Degradation in endoplasmic reticulum protein 2	Q9GZP9	0.98	0.92	1.03	0.98	0.05	3	17.2	1.94E-35
IPI00304267	Nucleoredoxin	Q6DKJ4-1	1.08	1.20	1.14	1.14	0.06	9	29.2	3.1E-144
IPI00304306	DnaJ homolog subfamily C member 19	Q96DA6	0.88	0.77	0.87	0.84	0.06	3	26.7	3.87E-08
IPI00304379	Deubiquitinating enzyme 1	O94782		0.97		0.97		2	3.6	0.000221
IPI00304409	Calcium-regulated heat stable protein 1	Q9Y2V2	1.48		1.12	1.30	0.25	3	23.8	9.47E-21
IPI00304417	Isocitrate dehydrogenase [NAD] subunit beta, mitochondrial	O43837-1	0.84	1.10		0.97	0.18	5	18.3	3.01E-81
IPI00304435	Protein NipSnap homolog 1	Q9BPW8	1.24	1.12	1.22	1.19	0.06	6	16.5	1.05E-43
IPI00304483	Polyadenylate-binding protein-interacting protein 2	Q9BPZ3	1.57			1.57		1	11	3.46E-58
IPI00304493	p49/STRAP	Q8NEF9	0.76		0.98	0.87	0.15	2	6.1	0.002847
IPI00304577	100 kDa coated vesicle protein A	O95782-1	1.04	1.17	1.10	1.10	0.07	29	35.8	1.1E-267
IPI00304589	182 kDa tankyrase-1-binding protein	Q9C0C2-1	1.51	1.26	1.17	1.31	0.18	26	24.5	0
IPI00304596	54 kDa nuclear RNA- and DNA-binding protein	Q15233	1.08	1.00	1.01	1.03	0.04	27	49.3	0
IPI00304612	23 kDa highly basic protein	P40429	0.88	0.85	0.84	0.86	0.02	15	44.3	7.35E-53
IPI00304692	Glycoprotein p43	P38159	1.14	0.96	0.99	1.03	0.10	23	48.1	1.1E-223
IPI00304740	Intersectin-1	Q15811-1	1.26			1.26		2	2.4	0.000315
IPI00304742	Lymphocyte-oriented kinase	O94804	1.14	1.26	0.96	1.12	0.15	9	10.5	2.97E-52
IPI00304840	Collagen alpha-2(VI) chain	P12110-1	1.37	1.02	1.14	1.18	0.18	9	10.1	3.42E-82

IPI00304875	HIRA-interacting protein 3	Q9BW71-1	1.45			1.45		2	5.8	1.12E-21
IPI00304925	Heat shock 70 kDa protein 1/2	P08107	1.12	0.98	0.99	1.03	0.07	40	60.5	0
IPI00304932	Cerebral protein 1	O43159	1.14	0.97	0.88	0.99	0.13	3	10.7	3.5E-255
IPI00304935	Protein SAAL1	Q96ER3	0.83	0.92	1.08	0.94	0.13	4	10.5	6.36E-97
IPI00304962	Alpha-2 type I collagen	P08123	1.50	1.23	1.45	1.39	0.14	34	34.9	0
IPI00305010	Calcineurin-like phosphoesterase domain-containing protein 1	Q9BRF8-1	0.84	1.09	0.87	0.93	0.14	10	40.4	0
IPI00305064	CD44 antigen	P16070-1	1.31	1.03	1.02	1.12	0.16	9	12.3	5.9E-146
IPI00305068	Pre-mRNA-processing factor 6	O94906	0.94	1.16	1.08	1.06	0.11	17	21.6	9.2E-103
IPI00305092	Partner of Y14 and mago	Q9BRP8-1	1.68	1.13	1.03	1.28	0.35	10	67.6	0
IPI00305166	Flavoprotein subunit of complex II	P31040	0.90		0.92	0.91	0.02	8	20.5	8.7E-243
IPI00305212	COMM domain-containing protein 9	Q9P000	1.01	1.24	1.15	1.13	0.12	5	36.9	4.36E-94
IPI00305267	Golgi complex-associated protein of 170 kDa	Q08378-1	1.16	0.91	1.09	1.05	0.13	6	5.8	1.81E-29
IPI00305289	Kinesin-like protein 1	P52732	0.91	1.29	1.23	1.14	0.20	21	24.8	4.4E-167
IPI00305296	Autophagy-related protein 101	Q9BSB4		0.92		0.92		2	12.8	3.26E-47
IPI00305303	Ufm1-specific protease 2	Q9NUQ7	0.91			0.91		2	6.8	1.14E-11
IPI00305305	GTPase-activating protein Spa-1	Q96FS4	1.05	1.26	1.11	1.14	0.11	4	5.6	1.11E-35
IPI00305337	Enhancer factor C	P22670	1.30		1.11	1.20	0.14	2	5.2	9.96E-07
IPI00305374	hTRESK4	Q96FV9-1		1.00		1.00		2	3.5	0.000868
IPI00305383	Complex III subunit 2	P22695	1.04	0.96	0.94	0.98	0.05	17	45.9	2E-286
IPI00305384	Diadenosine 5,5-P1,P6-hexaphosphate hydrolase 3-beta	Q96G61	0.85		0.92	0.88	0.05	6	34.8	3.86E-26
IPI00305423	Charged multivesicular body protein 6	Q96FZ7	1.15	1.05	0.89	1.03	0.13	4	22.9	2.7E-47
IPI00305438	Vacuolar protein sorting-associated protein 16 homolog	Q9H269-1		1.20	0.92	1.06	0.19	4	6.2	5.53E-11
IPI00305545	Lariat debranching enzyme	Q9UK59-1	0.74	1.08	1.14	0.99	0.21	4	8.8	2.51E-26
IPI00305551	Guanine nucleotide-binding protein G( $\gamma$ ) subunit alpha	P29992	1.11	1.26	1.17	1.18	0.08	14	41.8	2.7E-120
IPI00305552	cDNA FLJ39671 fis, clone SMINT2008917	B7WNR3	0.95			0.95		2	20.9	1.39E-44
IPI00305822	Proline-rich protein 11	Q96HE9			0.95	0.95		3	12.8	1.5E-07
IPI00305827	Fibronectin type III and SPRY domain-containing protein 1	Q9BTV5		1.10	1.05	1.07	0.04	4	11.5	2.3E-205

IPI00305833	Smu-1 suppressor of mec-8 and unc-52 protein homolog	Q2TAY7	0.96	1.18	1.21	1.12	0.14	11	21.2	3.54E-68
IPI00305887	Cell division cycle-associated protein 1	Q9BZD4	1.10	1.30	1.30	1.23	0.12	6	18.8	3.51E-49
IPI00305978	AFB1 aldehyde reductase 1	O43488	1.04	1.27	1.23	1.18	0.12	8	22	9E-179
IPI00305986	Mediator complex subunit 18	Q9BUE0	1.21	1.02	1.19	1.14	0.10	1	4.7	0.0008
IPI00305992	RCC1-like G exchanging factor-like protein	Q96I51	0.80	1.35	1.41	1.19	0.33	3	11.4	4.69E-10
IPI00306043	CLL-associated antigen KW-14	Q9Y5A9-1	0.84	1.12	0.97	0.98	0.14	10	22.5	6.2E-116
IPI00306046	Developmentally-regulated endothelial cell locus 1 protein	O43854-1		0.97	1.98	1.47	0.71	3	9.4	3.34E-24
IPI00306048	ATPase family AAA domain-containing protein 3B	Q5T9A4-1		0.79		0.79		15	25.5	4.35E-84
IPI00306049	Protein misato homolog 1	Q9BUK6-1		0.76	0.93	0.84	0.12	4	12.1	1.83E-16
IPI00306087	Telomerase Cajal body protein 1	Q9BUR4	1.16	1.00	1.11	1.09	0.08	3	10.2	4.4E-141
IPI00306127	THUMP domain-containing protein 3	Q9BV44	0.92	1.11	1.16	1.06	0.13	6	16	1.24E-53
IPI00306159	Nuclear receptor-binding factor 1	Q9BV79	1.05			1.05		1	3.8	0.004238
IPI00306195	40 kDa proline-rich AKT substrate	Q96B36-2	0.89	0.92	0.80	0.87	0.06	3	12.7	2.17E-05
IPI00306290	Exportin(trNA)	O43592	1.03	1.07	1.01	1.04	0.03	10	14.1	5.7E-151
IPI00306301	cDNA FLJ59461, highly similar to Pyruvate dehydrogenase E1 component alpha subunit, somatic form, mitochondrial (EC 1.2.4.1)	A5YVE9	1.00		1.02	1.01	0.01	15	32.7	4.1E-47
IPI00306322	Canstatin	P08572			0.86	0.86		2	1.3	0.000776
IPI00306353	Dual specificity protein phosphatase 23	Q9BVJ7	1.22	0.98	0.79	0.99	0.21	4	31.3	6.4E-12
IPI00306369	NOL1/NOP2/Sun domain family member 2	Q08J23	0.80	0.99	0.91	0.90	0.09	12	21.8	3.1E-153
IPI00306380	E2-induced gene 3 protein	Q9BVP2-1	0.78	0.95	0.93	0.89	0.09	15	33.5	4.4E-179
IPI00306382	Secretory carrier-associated membrane protein 3	O14828-1	0.81	1.00	1.06	0.96	0.13	6	30.8	4.5E-128
IPI00306400	Kinesin-like protein 2	Q9BW19	1.13	1.71	1.59	1.48	0.31	11	25.3	1.5E-220
IPI00306406	RIO kinase 2	Q9BVS4		1.07		1.07		2	6	2.43E-14
IPI00306439	TIM21-like protein, mitochondrial	Q9BVV7	0.82	0.82	0.83	0.82	0.01	5	23	4.23E-14
IPI00306516	Mitochondrial import inner membrane translocase subunit TIM44	O43615	0.88	0.85	0.75	0.83	0.07	14	32.7	7.21E-81
IPI00306518	Fanconi anemia group I protein	Q9NVI1-3	0.94		0.60	0.77	0.24	4	3.4	2.79E-30
IPI00306531	Cytoplasmic protein NCK2	O43639	1.23			1.23		2	5.8	6.74E-07
IPI00306604	CD49 antigen-like family member E	P08648	1.25	0.98	1.19	1.14	0.14	14	17.8	3E-216

IPI00306642	DDB1- and CUL4-associated factor 13	Q9NV06-1	0.61	1.05	0.95	0.87	0.23	7	13.7	2.1E-106
IPI00306661	E3 ubiquitin-protein ligase KCMF1	Q9P0J7			0.89	0.89		3	9.7	3.8E-29
IPI00306667	2,3-cyclic-nucleotide 3-phosphodiesterase	P09543-1	1.15	1.40	1.26	1.27	0.12	15	40.1	1.3E-202
IPI00306708	Cancer/testis antigen 84	Q96KB5	0.86	1.16	1.03	1.02	0.15	8	28.2	1.5E-119
IPI00306719	cDNA FLJ55809	B4DN31	0.28	1.46	1.24	1.00	0.63	4	10.8	2.63E-44
IPI00306723	CCAAT/enhancer-binding protein zeta	Q03701	0.98	0.79	1.02	0.93	0.12	6	6.9	2.44E-28
IPI00306749	Human lung cancer oncogene 3 protein	Q9BWU0	1.07	1.04	1.17	1.10	0.07	6	12.8	1.2E-28
IPI00306933	Myosin-IXb	Q13459-2	0.96	1.16	1.12	1.08	0.10	6	4.4	1.49E-32
IPI00306960	Asparagine--tRNA ligase	O43776	0.87	0.97	0.94	0.93	0.05	19	37.6	0
IPI00307092	Lysine--tRNA ligase	Q15046-2	0.80	0.97	1.07	0.95	0.13	17	24.5	2.4E-68
IPI00307155	p164 ROCK-2	O75116	0.85	1.17	0.59	0.87	0.29	6	7.1	1.01E-29
IPI00307162	Metavinculin	P18206-1	0.93	0.98	1.07	1.00	0.07	66	61.2	0
IPI00307200	Switch-associated protein 70	Q9UH65		1.00		1.00		10	20.9	4.43E-37
IPI00307257	TBC1 domain family member 9B	Q66K14-1		1.69	1.15	1.42	0.38	4	4.8	4.9E-104
IPI00307259	DnaJ homolog subfamily C member 13	O75165	1.11	1.29	1.06	1.15	0.12	12	7.5	7.5E-221
IPI00307359	Oxysterol-binding protein	B1AKJ7	0.77	1.16		0.97	0.27	3	4.6	9.33E-09
IPI00307409	39S ribosomal protein L9, mitochondrial	Q9BYD2	0.90	0.80	0.81	0.84	0.06	8	32.2	1.8E-187
IPI00307545	Tensin-1	Q9HBL0	0.53	1.12	1.02	0.89	0.31	8	7.3	3.04E-16
IPI00307572	Transmembrane protein 165	Q9HC07	1.07	0.54	0.94	0.85	0.28	2	8.6	5.26E-29
IPI00307749	Complex I-20kD	O75251	0.85	1.10	1.09	1.01	0.14	5	18.8	7.04E-78
IPI00328113	Fibrillin-1	P35555	1.02		1.14	1.08	0.08	7	3.8	2.11E-12
IPI00328118	Astrin	Q96R06	0.52	0.84	0.90	0.75	0.20	10	13.2	8.96E-90
IPI00328154	NEDD8-activating enzyme E1 catalytic subunit	Q8TBC4	1.25	1.05	1.12	1.14	0.10	12	39.3	1.1E-152
IPI00328161	38 kDa FK506-binding protein	Q14318-2	0.96			0.96		6	16.3	2.7E-114
IPI00328170	Mannosyl-oligosaccharide glucosidase	Q13724	1.29	1.02	1.07	1.13	0.14	14	21.6	3.6E-156
IPI00328200	Glutamine-rich protein 1	Q2TAL8	0.92	1.21	1.06	1.06	0.15	5	7.6	7.52E-72
IPI00328243	Choline phosphatase 3	Q8IV08	1.51	1.64	1.80	1.65	0.14	6	18	6.83E-73
IPI00328293	Ser/Arg-related nuclear matrix protein	Q8IYB3-2	1.16	0.90	1.07	1.04	0.14	4	8	6.69E-31
IPI00328306	Zinc finger CCCH domain-containing protein 11A	O75152	0.96	1.26	1.16	1.13	0.15	10	16.5	1.34E-75
IPI00328318	4-alpha-glucanotransferase	P35573-1		1.07	1.24	1.16	0.12	4	3.8	3.75E-31

IPI00328319	Chromatin assembly factor 1 subunit C	Q09028	1.27	1.09	0.96	1.11	0.15	12	33.4	1.81E-94
IPI00328350	Cell growth-inhibiting gene 39 protein	Q9BZQ8	1.27	1.66	1.27	1.40	0.23	6	10.8	3.91E-94
IPI00328361	Serine--tRNA ligase	Q9NP81	1.00	0.77	0.93	0.90	0.12	7	20.8	3.1E-115
IPI00328415	Diaphorase-1	P00387-1	0.94	1.27	1.29	1.16	0.20	13	38.9	1E-152
IPI00328571	Protein FAM39DP	C4AMC7			1.10	1.10		5	16.1	6.11E-57
IPI00328658	ASH2-like protein	Q9UBL3-1	0.94	1.13	1.34	1.14	0.20	2	5.4	6.7E-159
IPI00328715	3D3/LYRIC	Q86UE4	1.27	1.14	1.06	1.16	0.10	13	31.4	2.6E-200
IPI00328737	Zinc finger protein 598	Q86UK7-1	0.80	0.96	0.82	0.86	0.09	5	9.8	2E-198
IPI00328748	cDNA FLJ77177, highly similar to Homo sapiens arginine-rich, mutated in early stage tumors (ARMET), mRNA	A8K878	1.01	1.02	1.03	1.02	0.01	20	43.6	0
IPI00328753	CG-1 antigen	Q86UP2-1	1.16	1.04	1.14	1.11	0.07	39	33.6	0
IPI00328815	Deubiquitinating enzyme 48	Q86UV5-1	1.14	0.89	1.06	1.03	0.13	6	9.6	3.5E-198
IPI00328838	Menin	O00255-1	1.04	1.19	1.23	1.15	0.10	3	11.1	1.1E-61
IPI00328840	Ally of AML-1 and LEF-1	Q86V81	1.25	0.94	1.02	1.07	0.16	8	42.4	3.9E-290
IPI00328847	N-acetyltransferase 11	Q86UY6-1	0.91	1.17	1.07	1.05	0.13	2	12.2	2.18E-18
IPI00328867	pp60c-src	P12931-2	1.01			1.01		6	13.3	1.72E-41
IPI00328905	Ras GTPase-activating-like protein IQGAP3	Q86VI3	1.12	1.43	1.43	1.33	0.18	10	9	9.1E-119
IPI00328913	Vacuolar protein sorting 28 homolog (S. cerevisiae)	Q86VK0	0.89		1.00	0.94	0.08	7	31.8	1.2E-101
IPI00328985	Functional spliceosome-associated protein 35	Q86W42-1	1.08	1.05	1.13	1.08	0.04	8	31.7	3.51E-62
IPI00328987	Bystin	Q13895	0.69	0.88	0.81	0.79	0.09	13	36.4	1.97E-85
IPI00329025	Protein jagunal homolog 1	Q8N5M9	1.05	0.79	1.12	0.99	0.18	2	13.1	1.95E-31
IPI00329036	39S ribosomal protein L50, mitochondrial	Q8N5N7	0.96	0.84	0.81	0.87	0.08	5	39.2	9.2E-142
IPI00329088	Amplified in liver cancer protein 1	Q86WJ1-1	1.02	1.03	0.99	1.01	0.02	4	4.8	4.51E-08
IPI00329108	Sciellin	O95171-1			0.85	0.85		2	3.9	0.014457
IPI00329142	Glutamate-rich protein 1	Q86X53			1.15	1.15		1	3.8	1.59E-76
IPI00329236	nPKC-delta	Q05655		1.07	1.21	1.14	0.10	3	6.1	3.17E-34
IPI00329275	Serine/threonine-protein kinase VRK2	Q86Y07-1		1.10		1.10		2	6.3	5.45E-14
IPI00329321	LYR motif-containing protein 7	Q5U5X0	1.07		0.89	0.98	0.13	4	41.3	1.18E-29
IPI00329331	UDP-glucose pyrophosphorylase	Q16851-1	1.07		1.20	1.13	0.10	15	29.9	4.3E-198

IPI00329385	Myotubularin-related protein 6	Q9Y217-1			1.18	1.18		3	6	1.29E-18
IPI00329441	Ras-related protein Rab-41	Q86YS6	0.81	1.12		0.96	0.22	5	22.6	1.48E-28
IPI00329512	Sm protein B/B	P14678-3	1.00	0.92	0.95	0.96	0.04	11	24.2	3.94E-86
IPI00329526	Cell division cycle protein 20 homolog	Q12834		0.76	0.73	0.75	0.02	5	19.2	5.29E-24
IPI00329536	Early endosome antigen 1	Q15075	1.25	0.91	1.05	1.07	0.17	16	16.3	6.1E-152
IPI00329572	Endophilin I	Q9UKS6	1.26	1.21	0.88	1.12	0.21	6	18.9	4.5E-220
IPI00329573	Collagen alpha-1(XII) chain	Q99715-1	1.85	1.03	1.20	1.36	0.43	59	26.5	0
IPI00329583	ATPase family protein 2 homolog	Q8NB90-1		0.96		0.96		4	5.5	3.11E-10
IPI00329591	Required for meiotic nuclear division protein 1 homolog	Q9NWS8-1			1.09	1.09		2	4.2	4.35E-06
IPI00329594	Coiled-coil domain-containing protein 59	Q9P031	1.12	0.93		1.03	0.13	2	8.7	1.05E-16
IPI00329598	17-beta-hydroxysteroid dehydrogenase 11	Q8NBQ5	1.66	1.46		1.56	0.14	2	11	5.5E-141
IPI00329600	Probable saccharopine dehydrogenase	Q8NBX0	0.96	1.30	1.16	1.14	0.17	4	11	3.5E-36
IPI00329605	Divergent upstream protein	P20585	1.14	1.08		1.11	0.05	6	6.4	4.22E-10
IPI00329625	cDNA FLJ56153, highly similar to Homo sapiens transforming growth factor beta regulator 4 (TBRG4), transcript variant 1, mRNA	B4DU42		0.61	0.67	0.64	0.04	2	3.4	0.000437
IPI00329629	DnaJ homolog subfamily C member 7	Q99615	0.79	1.07	0.93	0.93	0.14	24	41.3	6.9E-277
IPI00329633	Threonine--tRNA ligase	P26639	0.85	0.92	0.95	0.91	0.05	25	40.1	0
IPI00329650	35 kDa nucleoporin	Q8NFH5	0.95	1.08	0.90	0.98	0.09	5	24.2	1.57E-83
IPI00329664	E3 ubiquitin-protein ligase SMURF2	Q9HAU4	0.73	0.87		0.80	0.10	4	5.9	1.28E-10
IPI00329672	Myosin-Ic	Q12965	0.80	1.16	1.01	0.99	0.18	8	9.2	4.1E-112
IPI00329679	Protein zwilch homolog	Q9H900-1		1.08		1.08		2	4.6	8.08E-17
IPI00329685	Arylsulfatase A	B7XD04		1.13	1.41	1.27	0.20	2	6.1	2.57E-58
IPI00329692	Glycylpeptide N-tetradecanoyltransferase 1	P30419-1	1.10	1.07	1.10	1.09	0.02	12	27.8	0
IPI00329696	Protein FAM82B	Q96DB5	0.91	1.02	1.02	0.98	0.06	15	47.8	1.7E-139
IPI00329742	Fumarylacetoacetate hydrolase domain-containing protein 2A	Q96GK7	1.11	1.12	0.96	1.06	0.09	4	17.2	3.19E-63
IPI00329753	Protein FAM164A	Q96GY0	0.92		1.43	1.17	0.36	5	14.5	9.82E-06
IPI00329784	Brain ryanodine receptor-calcium release channel	Q15413-1	1.52			1.52		3	0.7	0.020652
IPI00329801	Anchorin CII	P08758	1.17	1.11	1.16	1.15	0.04	30	78.4	0
IPI00332106	Hematopoietic PBX-interacting protein	Q96AQ6-1	1.95	1.87	1.46	1.76	0.26	11	18.1	6.66E-36

IPI00332157	39S ribosomal protein L54, mitochondrial	Q6P161			0.93	0.93		1	7.2	6.93E-05
IPI00332371	6-phosphofructokinase, liver type	P17858-1	1.12		1.11	1.12	0.01	20	30.5	0
IPI00332428	NNP78	Q9BXY0	1.01	0.96	0.66	0.88	0.19	2	12.3	1.2E-61
IPI00332493	Pleckstrin homology domain-containing family O member 2	Q8TD55-1	3.13		1.16	2.14	1.39	2	6.1	4.41E-90
IPI00332499	Nuclear autoantigenic sperm protein	P49321-3	1.39	0.93		1.16	0.32	20	43	1.2E-263
IPI00333010	Calcium homeostasis endoplasmic reticulum protein	Q8IWX8	1.00	1.08	0.90	0.99	0.09	8	10.6	4.38E-75
IPI00333014	Spindle and kinetochore-associated protein 3	Q8IX90-1		0.85		0.85		2	9.2	1.24E-10
IPI00333067	HECT domain and RCC1-like domain-containing protein 4	Q5GLZ8-1			0.97	0.97		3	4.2	5.32E-11
IPI00333068	Actin-related protein 2/3 complex subunit 1A	Q92747	0.94	1.12	1.12	1.06	0.11	12	39.7	2.7E-163
IPI00333133	Putative uncharacterized protein RAB6C	Q53S08	0.92	0.91		0.92	0.01	4	16.1	9.1E-157
IPI00333215	Transcription elongation factor A protein 1	P23193-1	1.05	1.15	1.10	1.10	0.05	16	43.9	0
IPI00333541	Actin-binding protein 280	P21333-1	0.95	0.87	0.94	0.92	0.05	162	71.6	0
IPI00333568	CAAT box DNA-binding protein subunit A	P23511-1		0.77		0.77		1	5.5	1.32E-08
IPI00333753	Inositol 1,4,5-trisphosphate receptor type 1	Q14643-1			1.33	1.33		3	0.8	0.009157
IPI00333763	Glutaredoxin-related protein 5, mitochondrial	Q86SX6	1.11	1.14	0.98	1.07	0.08	3	28	2E-148
IPI00333770	Dedicator of cytokinesis protein 10	Q96BY6-1	0.89	1.21	1.24	1.11	0.19	2	1.3	2.08E-17
IPI00333771	Caldesmon	Q05682-5		0.84	0.86	0.85	0.01	48	60.2	0
IPI00333913	Neuroblastoma-amplified gene protein	A2RRP1-1		0.48		0.48		2	0.8	0.003813
IPI00334126	Ral GEF with PH domain and SH3-binding motif 2	Q86X27-1		1.09	1.06	1.08	0.02	3	6.9	6.24E-61
IPI00334159	HIBBJ46	P61758	1.03	0.92	0.87	0.94	0.08	8	27.9	1.6E-139
IPI00334190	EPB72-like protein 2	Q9UJZ1	1.12	0.86	0.94	0.97	0.13	19	59	0
IPI00334282	Protein FAM3C	Q92520	0.83	0.96	0.96	0.91	0.08	6	29.1	7.32E-54
IPI00334514	C-alpha-formylglycine-generating enzyme 2	Q8NBJ7-3			1.17	1.17		3	10.9	1.97E-18
IPI00334713	APOBEC1-binding protein 1	Q99729-3	1.02	0.89	0.95	0.95	0.06	13	45.3	1.4E-258
IPI00334715	Glucocorticoid receptor DNA-binding factor 1	Q9NRY4-1	1.02	0.90	1.03	0.98	0.07	4	4.1	1.32E-21
IPI00334914	TRM1-like protein	Q7Z2T5-1	0.77		0.80	0.79	0.02	2	9.5	1.82E-47
IPI00335001	Huntingtin yeast partner K	Q9NX55-1	1.04	0.86	0.85	0.92	0.11	7	29.7	1.57E-62
IPI00335051	Toll-like receptor 8	Q495P6			0.74	0.74		1	0.9	0.002683

IPI00335280	Ribulose-5-phosphate-3-epimerase	Q96AT9-1	0.87	1.04	0.97	0.96	0.09	3	15.4	9.9E-123
IPI00335385	DCS-1	Q96C86	1.07	1.31	0.77	1.05	0.27	4	17.2	2.19E-37
IPI00335437	Ankyrin repeat and zinc finger domain-containing protein 1	Q9H8Y5		0.89	1.11	1.00	0.15	2	3.7	2.57E-05
IPI00335449	PP2A subunit A isoform PR65-beta	P30154-2	0.91	1.17	1.00	1.02	0.13	15	28.3	0
IPI00335589	RNA methyltransferase-like protein 1	Q9HC36			1.35	1.35		3	8.1	7.03E-09
IPI00336034	Epimorphin	P32856-1		1.15		1.15		1	4.6	1.44E-71
IPI00337386	Fas ligand-associated factor 1	O75400-2	0.99	0.90	0.94	0.95	0.04	15	19	2.7E-144
IPI00337397	96 kDa nucleoporin	P52948-5	0.92	1.04	0.99	0.98	0.06	18	14.1	3.82E-82
IPI00337460	cDNA FLJ55519, highly similar to Kinesin light chain 1	B4DS14	0.82		1.06	0.94	0.17	17	24	5.9E-113
IPI00337494	Calcium-binding mitochondrial carrier protein SCaMC-1	Q6NUK1-1	1.07	0.96	1.03	1.02	0.05	12	27.7	5.37E-78
IPI00337495	Lysyl hydroxylase 2	O00469-2	1.19	0.88	0.95	1.01	0.16	28	41.4	0
IPI00337648	Fas-associated protein-tyrosine phosphatase 1	Q12923-4	1.37			1.37		2	0.8	0.021837
IPI00337667	Protein bicaudal D homolog 2	Q8TD16-2	0.65	1.01	0.84	0.84	0.18	5	8.8	6.08E-95
IPI00337772	Hyaluronan mediated motility receptor	O75330-3		1.00		1.00		2	4	7.04E-07
IPI00339381	DNA-binding protein/plasminogen activator inhibitor 1 regulator	Q14527-1		1.46	0.97	1.22	0.35	5	7.3	4.41E-43
IPI00339384	Androgen-regulated short-chain dehydrogenase/reductase 1	Q8TC12-1	0.88	1.30	1.29	1.16	0.24	8	28.6	1.7E-126
IPI00373869	HCG32827, isoform CRA_d	C9J4G0	1.62	1.30	1.12	1.35	0.25	8	53.6	9.62E-38
IPI00373877	Zinc finger protein 326	Q5BKZ1-1	0.95	0.97	0.89	0.94	0.04	9	16	2.2E-47
IPI00374272	UPF0600 protein C5orf51	A6NDU8	1.62		1.01	1.31	0.44	3	22.1	4.74E-76
IPI00374657	33 kDa VAMP-associated protein	A6NDZ0	1.07		1.00	1.04	0.05	10	31	2.13E-78
IPI00374747	Origin recognition complex subunit 3	Q9UBD5-2		1.16	1.06	1.11	0.07	6	10.5	5.5E-138
IPI00375015	Deoxyuridine 5-triphosphate nucleotidohydrolase, mitochondrial	P33316-2	1.14		1.11	1.13	0.02	14	81.7	5.7E-195
IPI00375127	Eukaryotic translation initiation factor 4H	Q15056-2		1.27	0.93	1.10	0.24	11	36.4	9.5E-224
IPI00375142	Ubiquitin carrier protein D3	P61077-3	0.81			0.81		1	7.4	0.012393
IPI00375144	Arsenite-resistance protein 2	Q9BXP5-1	0.95	1.08	1.04	1.02	0.06	28	34.2	1E-246
IPI00375358	Activator 1 140 kDa subunit	P35251-1	1.06	1.21	1.24	1.17	0.10	11	12.5	0
IPI00375380	cDNA FLJ37456 fis, clone BRAWH2011096, highly similar to 26S proteasome non-ATPase	B3KT15		1.08		1.08		22	54.2	0



	regulatory subunit 13									
IPI00375462	Serine/arginine-rich-splicing regulatory protein 86	Q8WXA9-2	1.65	1.53		1.59	0.08	3	7.4	4.63E-17
IPI00375527	Inosine-5-monophosphate dehydrogenase	A4D0Z6		0.91		0.91		4	9	1.48E-39
IPI00375531	Granzyme A-activated DNase	P15531-2	0.87	0.98	0.91	0.92	0.06	11	49.7	4E-162
IPI00375600	Beta-1,3-glucosyltransferase	Q6Y288			1.10	1.10		2	5.2	0.000782
IPI00375631	Interferon-induced 15 kDa protein	P05161	0.99	1.11		1.05	0.09	2	13.3	1.21E-06
IPI00375676	Ferritin light chain	P02792	1.34	0.97	1.07	1.12	0.19	6	42.9	1.87E-70
IPI00375677	39S ribosomal protein L21, mitochondrial	Q7Z2W9	0.85	0.94	0.71	0.83	0.12	3	24.4	9.67E-36
IPI00375731	G patch domain-containing protein 9	P98175-1	1.01	1.04	0.96	1.00	0.04	12	15.5	5.14E-51
IPI00375824	Diphthamide biosynthesis methyltransferase	Q9H2P9-5	0.72		0.93	0.83	0.14	3	15.8	2.78E-15
IPI00375836	Cancer-associated nucleoprotein	Q6SJ93-1		1.06		1.06		2	4.6	1.03E-06
IPI00376005	eIF-4D	P63241-2	0.84	0.98	0.92	0.91	0.07	15	62.5	3.3E-232
IPI00376035	cDNA FLJ55847	B4DJ79		1.18	0.89	1.04	0.21	1	12.9	1.77E-43
IPI00376119	cAMP-dependent protein kinase catalytic subunit beta	P22694-2			1.30	1.30		10	21.4	5.6E-122
IPI00376195	HESB-like domain-containing protein 1	Q86U28	0.87	1.26		1.06	0.28	3	20.1	2.77E-07
IPI00376199	Interferon regulatory factor 2-binding protein 2	Q7Z5L9-1	1.22		0.85	1.04	0.26	4	16.7	1.1E-125
IPI00376317	Autoantigen Ge-1	Q6P2E9-1	1.41	1.21	1.12	1.24	0.15	8	9.2	5.09E-88
IPI00376344	MYH-1c	O43795-1	0.98	1.00	0.98	0.99	0.01	31	34.3	0
IPI00376394	Neuroblastoma-derived sulfhydryl oxidase	Q6ZRP7		0.95	1.03	0.99	0.06	3	6.6	2.97E-19
IPI00376798	60S ribosomal protein L11	P62913-1	0.80	0.99	0.93	0.91	0.10	9	38.8	2.47E-83
IPI00376976	130 kDa phosphatidylinositol 4,5-biphosphate-dependent ARF1 GTPase-activating protein	Q9ULH1-2			1.08	1.08		3	4	1.77E-17
IPI00377050	13S Golgi transport complex 90 kDa subunit	Q9UP83-2	0.87		0.23	0.55	0.45	4	5.3	3.35E-12
IPI00377261	Far upstream element-binding protein 3	Q96I24-1	1.02	1.10	1.03	1.05	0.04	21	50.2	0
IPI00382412	Branched-chain-amino-acid aminotransferase, cytosolic	P54687		0.89	0.98	0.94	0.07	7	21.6	2.01E-80
IPI00382452	Charged multivesicular body protein 1a	Q9HD42-1	1.04	1.05		1.05	0.00	3	13.3	0.000165
IPI00382470	Heat shock 86 kDa	P07900-2	1.00	0.98	0.96	0.98	0.02	71	55.7	0
IPI00382683	Lymphocyte/NHL galectin-8 short isoform	Q96QS7		1.17		1.17		3	14.7	2.76E-42
IPI00382843	Major prion protein	O75942	0.98	0.97	0.98	0.98	0.01	3	11.2	4.55E-39

IPI00382926	Decay-accelerating factor splicing variant 5	Q14UF2			1.23	1.23		3	9.1	0.004031
IPI00382958	MTAP protein	Q8WV80			1.15	1.15		6	31.8	2.3E-99
IPI00382985	Aicardi-Goutieres syndrome 3 protein	Q8TDP1-1	1.01		1.04	1.03	0.02	4	30.5	3.55E-89
IPI00382990	DERP12 (Dermal papilla derived protein 12)	Q8TE01	2.60	0.80	0.75	1.38	1.05	14	44.3	5.3E-279
IPI00383163	Thymocyte nuclear protein 1	Q9P016-1	1.06	1.42		1.24	0.26	3	15.1	1.7E-07
IPI00383439	Centrosomal protein of 97 kDa	Q8IW35-1	0.83	1.39		1.11	0.39	5	8.2	8.31E-16
IPI00383444	T-complex protein 11-like protein 1	Q9NUJ3		1.22	1.16	1.19	0.04	2	5.3	2.8E-192
IPI00383581	Alpha-glucosidase 2	Q14697-1	1.21	1.06	1.15	1.14	0.08	47	51.6	0
IPI00383751	Calregulin	Q9UDG2	1.30	0.97	1.02	1.10	0.18	5	19.6	1.3E-132
IPI00383849	Phospholipase C, gamma 1	A2A284	0.93	1.10	1.05	1.02	0.09	20	21.3	2.1E-144
IPI00384028	Poly(A) polymerase alpha	P51003-1	1.10	1.23	1.24	1.19	0.08	6	11.2	9.66E-33
IPI00384176	BRG1-associated factor 180	Q86U86-1	0.98	1.14	1.15	1.09	0.10	5	3.5	2.67E-19
IPI00384180	Dopamine receptor-interacting protein 3	Q86U90	0.59	0.74	0.64	0.66	0.08	8	36.9	6.36E-43
IPI00384265	Constitutive coactivator of PPAR-gamma-like protein 1	Q9NZB2-6	0.99	1.09	1.00	1.03	0.06	20	22.5	4.2E-161
IPI00384280	Prenylcysteine lyase	Q9UHG3	1.38	1.27	1.53	1.39	0.13	7	15.4	8.56E-40
IPI00384428	Biphenyl hydrolase-like protein	Q86WA6-1			1.05	1.05		3	10.3	0.000179
IPI00384456	DNA mismatch repair protein Msh6	P52701-1	1.02	1.26	1.14	1.14	0.12	25	21.9	7.1E-184
IPI00384471	Bromodomain containing 1	A6ZJA4		0.73		0.73		2	1.9	0.024566
IPI00384541	Regulation of nuclear pre-mRNA domain-containing protein 2	Q5VT52-1	0.99		1.07	1.03	0.06	6	6.8	1.13E-29
IPI00384643	p53-induced gene 3 protein	Q53FA7-1	0.90			0.90		2	5.1	0.005036
IPI00384689	Pyridoxal-dependent decarboxylase domain-containing protein 1	Q6P996-1	0.71	1.04	0.90	0.88	0.17	16	31.7	1.9E-251
IPI00384746	Copine VIII	Q86YQ8		0.85		0.85		4	7.3	3.04E-07
IPI00384857	Androgen-regulated protein 2	Q9UK76-2		1.05	1.05	1.05	0.00	2	21.5	5.71E-79
IPI00385042	Chronic renal failure gene protein	Q9BZE4	0.78	0.84	0.79	0.80	0.03	20	32.5	1.1E-144
IPI00385055	Alpha N-catenin	P26232-1		1.20		1.20		7	8.6	6.8E-116
IPI00385128	1-acylglycerol-3-phosphate O-acyltransferase 7	Q643R3-1		0.85	0.84	0.84	0.01	2	7.8	3.26E-34
IPI00385267	Docking protein alpha	P08240		1.13	1.12	1.13	0.01	9	19.6	8.59E-54
IPI00385449	Protein kinase C alpha type	P17252	0.92	1.11	1.09	1.04	0.10	8	13.2	4.8E-124

IPI00385495	Lipase maturation factor 2	Q9BU23-1	1.14		1.11	1.12	0.02	2	4.2	4.53E-27
IPI00385649	Leucine-rich repeat and calponin homology domain-containing protein 3	Q96I18-2		1.16		1.16		2	3.1	4.97E-07
IPI00385950	Pyridine nucleotide-disulfide oxidoreductase domain-containing protein 1	Q8WU10			0.93	0.93		2	6.2	2.1E-64
IPI00385978	Centrobin	Q8N137-2	0.96	1.15	1.01	1.04	0.10	1	1.1	0.010656
IPI00386119	Mammalian branch point-binding protein	Q15637-5		0.99	0.86	0.92	0.09	10	16.6	6.8E-100
IPI00386120	Mammalian branch point-binding protein	Q15637-6	1.14			1.14		10	23.8	1.3E-97
IPI00386122	2C4D	Q9Y3A3-1	0.99	1.16	0.99	1.05	0.10	5	32.9	1.21E-70
IPI00386189	Gastric cancer antigen Ga19	Q9BXJ9-1	0.89	0.99	0.88	0.92	0.06	34	38.8	1E-168
IPI00386208	Drug-sensitive protein 1	Q9NZ23	2.44	0.72	0.72	1.29	0.99	11	75.7	2.3E-120
IPI00386271	Calcium-binding mitochondrial carrier protein Aralar1	O75746	1.08	0.85	0.87	0.93	0.13	7	12.7	3.81E-65
IPI00386311	HepA-related protein	Q9NZC9		1.07		1.07		2	2.8	0.003728
IPI00386444	Enaptin	Q8NF91-1	0.98	1.04	1.06	1.03	0.04	9	1.4	3.39E-58
IPI00386516	cDNA FLJ32696 fis, clone TESTI2000358	A8KAH5	2.72	1.70	1.06	1.83	0.84	2	5	0.000134
IPI00386562	Filamin-binding LIM protein 1	Q8WUP2-2	0.74	1.07	0.92	0.91	0.16	4	16.3	1.78E-48
IPI00386591	Probable proline racemase	Q96EM0	0.89		0.81	0.85	0.06	2	7.3	0.000113
IPI00386755	Endoplasmic oxidoreductin-1-like protein	Q96HE7	1.39	1.12	1.20	1.24	0.14	19	57.9	0
IPI00387130	Anamorsin	Q6FI81-1	0.92	0.98	0.97	0.96	0.03	7	20.2	2.79E-35
IPI00394668	136 kDa double-stranded RNA-binding protein	P55265-4	1.04	1.27	1.12	1.14	0.12	18	18.2	3E-280
IPI00394679	Negative elongation factor A	Q9H3P2-7	1.23	1.34	1.23	1.27	0.06	6	25.6	1.63E-42
IPI00394758	Aldehyde dehydrogenase 10	P51648-2	0.95		1.02	0.98	0.04	3	8.3	1.7E-33
IPI00394767	Carbonate dehydratase XIII	Q8N1Q1		0.95		0.95		1	6.5	2.86E-56
IPI00394788	Alanine--tRNA ligase	Q5JTZ9	0.81	1.13	0.89	0.95	0.17	6	8.2	1.29E-35
IPI00394805	Protein ALAESM	Q6ZSJ8		1.10	0.86	0.98	0.17	3	39.1	9.54E-15
IPI00394837	Ras-related C3 botulinum toxin substrate 1 (Rho family, small GTP binding protein Rac1)	A4D2P2	0.92			0.92		11	66.9	2.1E-134
IPI00394838	cDNA FLJ56442, highly similar to ATP-citrate synthase (EC 2.3.3.8)	B4DIM0	1.14			1.14		37	37.2	0
IPI00394926	DNA polymerase delta subunit 3	Q15054		1.03	0.95	0.99	0.05	4	11.6	6.02E-37
IPI00395002	Homer protein homolog 3	Q9NSC5-1	1.14	1.27	0.98	1.13	0.14	2	5.5	3.7E-07

IPI00395337	Factor interacting with PAP	Q6UN15-1	1.34	0.91	1.01	1.09	0.22	8	22.6	2.2E-208
IPI00395357	MBNL protein	Q96P92	0.81	1.05	1.06	0.97	0.14	7	22.3	1.4E-29
IPI00395372	Coiled-coil-helix-coiled-coil-helix domain-containing protein 5	Q9BSY4			0.88	0.88		3	52.7	4E-64
IPI00395463	Charged multivesicular body protein 7	Q8WUX9			0.88	0.88		4	12.4	2.3E-12
IPI00395488	Protein slit-like 2	Q6EMK4	1.15	1.90	1.20	1.42	0.42	7	15.2	4.6E-129
IPI00395596	Amino-terminal enhancer of split	Q14CJ1		2.03		2.03		2	8	0.000111
IPI00395605	115 kDa guanine nucleotide exchange factor	Q92888-3	1.07	1.14	1.08	1.09	0.04	17	22.4	1.36E-98
IPI00395627	Calcyclin-binding protein	Q9HB71-1	0.90	1.00	1.01	0.97	0.06	23	73.7	0
IPI00395694	Importin-12	Q9Y5L0-2	1.01	1.01	1.08	1.03	0.04	7	10.4	2.4E-100
IPI00395768	Syntaxin-3	Q13277-1	1.44	1.41		1.43	0.02	3	10.7	1.44E-07
IPI00395865	Histone acetyltransferase type B subunit 2	Q16576	1.12		1.21	1.17	0.06	14	40.7	2.6E-175
IPI00395887	Thioredoxin domain-containing protein 1	Q9H3N1	0.98	1.07	1.04	1.03	0.05	8	31.1	3.82E-63
IPI00395903	Transmembrane protein 106B	Q9NUM4	1.09			1.09		1	4.7	1.62E-66
IPI00395939	Phosphatidylinositol transfer protein beta isoform	P48739-2	0.94	1.01	0.99	0.98	0.04	14	50.2	1.9E-175
IPI00395977	Smoothelin	P53814-3		1.07		1.07		14	19.1	2.58E-80
IPI00396015	ACC-alpha	Q13085-4	1.22	0.93	0.92	1.03	0.17	8	4.4	2.5E-158
IPI00396048	UPF0636 protein C4orf41	Q7Z392-1		1.09	0.93	1.01	0.11	5	7.4	5.52E-27
IPI00396126	UPF0461 protein C5orf24	Q7Z618-1	1.26	1.36	1.30	1.31	0.05	3	24.5	1.2E-99
IPI00396131	cDNA FLJ56221, highly similar to YTH domain protein 3	B4DPX9	0.91	1.14	1.13	1.06	0.13	10	18.7	3.4E-124
IPI00396171	Microtubule-associated protein 4	P27816-1	1.38	0.98	1.04	1.13	0.21	40	43.8	1.3E-290
IPI00396174	Coiled-coil domain-containing protein 25	Q86WR0	0.96	1.23		1.09	0.20	3	14.4	8.34E-05
IPI00396185	Embryonic growth-associated protein homolog	Q5VZE5		1.16		1.16		2	2.8	0.001899
IPI00396203	Beta-tubulin cofactor D	Q9BTW9-1	0.86	0.97	0.97	0.93	0.06	12	13.1	1.2E-127
IPI00396218	Coated vesicle-associated kinase of 104 kDa	Q6P3W7	0.98	1.27	1.22	1.16	0.15	3	5.4	3.18E-10
IPI00396279	CLIP-associating protein 1	Q7Z460-1	0.83	1.22	1.16	1.07	0.21	11	10.3	2.7E-146
IPI00396321	Leucine-rich repeat-containing protein 59	Q96AG4	0.94	0.92	0.91	0.92	0.02	15	55.4	0
IPI00396329	Brix domain-containing protein 1	Q9H7B2	0.73	0.72	0.75	0.73	0.02	6	21.6	1.8E-61
IPI00396378	Heterogeneous nuclear ribonucleoproteins A2/B1	P22626-1	1.15	1.04	1.15	1.11	0.06	27	62.6	0

IPI00396387	GTP-binding protein HSR1	P36915-1	1.40	1.11	1.22	1.25	0.15	7	11.2	2.05E-66
IPI00396406	Probable E3 ubiquitin-protein ligase makorin-2	Q9H000	0.79			0.79		3	9.4	5.36E-07
IPI00396411	Cleft lip and palate transmembrane protein 1	O96005-1	1.29	0.73	1.19	1.07	0.30	5	12	3.25E-28
IPI00396435	ATP-dependent RNA helicase #46	O43143	0.88	1.02	0.97	0.96	0.07	29	39.6	8.1E-200
IPI00396437	Cervical mucin-associated protein	Q9UJU6-2	1.06		1.08	1.07	0.01	10	33.9	0
IPI00396485	Elongation factor 1-alpha 1	P68104	0.76	0.82	0.82	0.80	0.04	34	70.8	0
IPI00396527	Coiled-coil domain-containing protein 128	Q6ZMI0-1		1.10	1.31	1.20	0.15	3	5	1.84E-18
IPI00396563	SAPK substrate protein 1	Q04323-2	1.16	1.06	0.92	1.05	0.12	10	37.8	6.93E-73
IPI00396593	PDZ and LIM domain protein 2	Q96JY6-1	0.89	1.03	0.92	0.95	0.08	5	15.3	1.8E-134
IPI00396627	ElaC homolog protein 2	Q9BQ52-1	0.82	0.76	0.86	0.81	0.05	12	22.9	7.2E-217
IPI00396630	cAMP-dependent protein kinase catalytic subunit alpha	P17612-1	1.19	1.23	1.23	1.22	0.03	14	44.4	2.3E-181
IPI00396656	APOBEC-related cytidine deaminase	Q9HC16-1		1.04		1.04		1	3.1	0.011275
IPI00396967	Four and a half LIM-domain protein 2	Q2I5I4	0.43	0.63	0.61	0.55	0.11	25	57.1	0
IPI00397366	hSGT2	Q86W92-1	0.91		0.98	0.95	0.05	6	7	1.03E-27
IPI00397383	Kinesin-like protein KIF1B	O60333-4		0.93	0.74	0.84	0.13	2	1.6	3.03E-13
IPI00397571	NSFL1 cofactor p47	Q9UNZ2-5	1.36	1.07	1.09	1.17	0.16	20	54.6	0
IPI00397715	Testis development protein NYD-SP11	Q6ZQQ6-2		0.83		0.83		2	0.5	0.021878
IPI00397721	Biogenesis of lysosome-related organelles complex 1 subunit 3	Q6QNY0	1.27		0.85	1.06	0.30	2	17.3	2.7E-76
IPI00397860	Cytochrome b5	P00167-1	1.29		1.13	1.21	0.12	4	42.5	7.1E-103
IPI00397883	Uncharacterized protein FLJ45252	Q6ZSR9	1.05	1.28	0.89	1.07	0.19	5	21.1	5.5E-108
IPI00397904	93 kDa nucleoporin	Q8N1F7	0.89	1.10	1.01	1.00	0.11	25	37.1	5.3E-210
IPI00397947	CROC-1	Q13404-1	1.09	1.01	1.04	1.05	0.04	9	23	3.8E-103
IPI00398009	Importin-4	Q8TEX9-2	0.79	0.76	0.72	0.75	0.03	25	30.1	0
IPI00398625	Hornerin	Q86YZ3	5.55	0.10	0.10	1.92	3.15	7	8.8	1.6E-140
IPI00398708	Kinesin light chain 1	Q07866-9		1.08		1.08		9	15.2	2.21E-74
IPI00398779	Hemidesmosomal protein 1	Q15149-4	1.11	1.22	1.27	1.20	0.08	213	52.1	0
IPI00398828	Endophilin-B2	Q9NR46-2	1.11	1.31		1.21	0.14	6	17.6	3.69E-24
IPI00398845	MAGE tumor antigen CCF	Q9Y5V3-2			0.99	0.99		3	6	1.51E-72
IPI00398922	Phospholipase C-beta-3 neighbouring gene	Q96C90	1.50		1.01	1.25	0.35	3	30.2	2.2E-108

	protein									
IPI00399053	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex assembly factor 3	Q9BU61	0.71	0.87	0.85	0.81	0.09	4	25.5	7.38E-23
IPI00399089	LDLR chaperone MESD	Q14696	1.08	1.06	1.10	1.08	0.02	10	40.2	7.53E-91
IPI00399254	HIV-1-induced protein HIN-1	Q01804-1		0.89		0.89		1	1.4	5.18E-17
IPI00399265	Tumor protein D52-like 2	Q5JWU6	1.10	0.90	0.89	0.96	0.12	14	62.4	0
IPI00399266	Tumor protein D52-like 2	O43399-3		0.94		0.94		12	60.8	9.5E-300
IPI00399307	Prolylcarboxypeptidase (Angiotensinase C), isoform CRA_b	A8MU24	1.10	1.12	1.19	1.14	0.05	7	15.7	1.57E-69
IPI00400765	UPF0493 protein KIAA1632	Q9HCE0-1	1.13	0.67		0.90	0.32	2	1.2	5.75E-06
IPI00400826	Aging-associated gene 4 protein	P10909-2		1.28		1.28		2	7	3.64E-10
IPI00400922	NF-kappa-B-binding protein	Q14690	0.88	1.14	0.98	1.00	0.13	10	7.2	6.53E-74
IPI00401002	OrlYt TD-element-binding protein 7	Q8NDX6	1.27	1.66		1.46	0.28	2	14	0.000379
IPI00401264	Endoplasmic reticulum resident protein 44	Q9BS26	1.04	1.05	1.05	1.05	0.01	10	34.5	3.6E-187
IPI00401285	DNL-type zinc finger protein	Q5SXM8	0.84	0.88	1.13	0.95	0.16	3	36	1.11E-41
IPI00401829	Uncharacterized protein C14orf38	P0C221	2.16		1.00	1.58	0.82	3	4.2	0.000884
IPI00401962	Coiled-coil domain-containing protein 137	Q6PK04	0.91	0.88		0.90	0.02	5	20.1	7.58E-12
IPI00402008	SAPS domain family member 1	Q9UPN7	1.07	1.19	0.92	1.06	0.14	5	14	1.7E-107
IPI00402055	Cobalamin synthase W domain-containing protein 3	Q5JTY5	0.91			0.91		1	3.5	1.58E-20
IPI00402231	Cysteine string protein	Q9H3Z4-1	1.35	1.51		1.43	0.12	3	33.3	4.04E-20
IPI00402657	RNA polymerase II-associated protein 1	Q9BWH6-1	1.93			1.93		2	2.5	1.64E-07
IPI00409561	COMM domain-containing protein 6	Q7Z4G1-2			1.11	1.11		2	24.5	6.08E-80
IPI00409607	Calmodulin-regulated spectrin-associated protein 1-like protein 1	Q08AD1-1	1.06			1.06		2	1.7	1.17E-08
IPI00409635	Chr2Syt	A0FGR8-2		1.29	1.18	1.24	0.08	4	5.5	2.89E-13
IPI00409659	Chap1	Q9UHD9	1.36	1.08	1.07	1.17	0.17	7	19.7	2.3E-261
IPI00409671	ATP-dependent RNA helicase DDX42	Q86XP3-1	0.93	1.06	0.97	0.99	0.07	19	33.2	4.2E-180
IPI00409675	MORF-related gene 15 protein	Q9UBU8-1	0.97	1.08	1.28	1.11	0.16	2	5	6.16E-17
IPI00409684	Membrane-associated protein HEM-2	Q9Y2A7-2	0.99	1.11	1.17	1.09	0.09	16	17.4	9.1E-138
IPI00409717	ATP-dependent RNA helicase eIF4A-2	Q14240-2	1.12	1.43	1.47	1.34	0.19	17	40.7	1.2E-290
IPI00409761	CHETK-alpha	P35790-1			0.16	0.16		1	8.8	0.005863

IPI00410034	Amino acid transporter A2	Q96QD8-1		0.99	1.17	1.08	0.13	1	4.2	2.06E-14
IPI00410067	Zinc finger antiviral protein	Q7Z2W4-1	0.87			0.87		11	18	6.8E-218
IPI00410069	Zinc finger antiviral protein	Q7Z2W4-3		1.01	1.04	1.03	0.02	6	8.3	1.1E-199
IPI00410079	Cerebral protein 10	Q96TC7-1			0.83	0.83		1	3.6	0.000398
IPI00410091	Uncharacterized protein C11orf73	Q53FT3	0.97		1.18	1.07	0.15	2	11.2	1.08E-26
IPI00410118	Protein quaking	Q96PU8-4	1.20	1.06	0.99	1.08	0.11	6	23.1	1.55E-46
IPI00410162	Putative uncharacterized protein TCEB2	B7WPD3	1.06	1.24		1.15	0.13	11	49.1	3.41E-70
IPI00410214	3(2),5-bisphosphate nucleotidase 1	O95861-1		1.13	1.06	1.09	0.05	10	41.9	7.7E-132
IPI00410215	3(2),5-bisphosphate nucleotidase 1	O95861-2	1.06			1.06		3	15.7	1.3E-40
IPI00410287	5-AMP-activated protein kinase catalytic subunit alpha-1	Q13131-2	0.96	1.27	1.09	1.11	0.15	5	11.5	3.63E-55
IPI00410297	Endo-glucuronidase	Q9Y251			2.45	2.45		2	3.3	0.004472
IPI00410485	Cutaneous T-cell lymphoma-associated antigen HD-CL-09	Q9H2K8	1.09		1.01	1.05	0.06	3	5.3	1.08E-09
IPI00410487	Twisted gastrulation protein homolog 1	Q9GZX9-1	1.30	0.99	1.11	1.13	0.15	3	19.7	1.14E-14
IPI00410590	Protein FAM61A	Q8ND56-2	0.86	1.07	1.09	1.01	0.13	6	13.6	3.47E-09
IPI00410618	Uncharacterized protein KIAA1143	Q96AT1	1.31		1.10	1.21	0.15	7	45.5	2.52E-47
IPI00410657	mRNA (guanine-N(7)-)-methyltransferase	O43148-2	1.19	1.12	1.20	1.17	0.04	6	14.3	6.77E-30
IPI00410666	Protein LAP4	Q14160-3	1.17	1.19	1.11	1.15	0.04	7	7.3	3.17E-86
IPI00410693	PAI1 RNA-binding protein 1	Q8NC51-1	1.04	0.81	0.85	0.90	0.12	27	56.6	0
IPI00410705	I-kappa-B-interacting Ras-like protein 1	Q9NYS0			0.78	0.78		2	12.5	3.8E-08
IPI00410717	Pogo transposable element with ZNF domain	Q7Z3K3-1		1.38	1.38	1.38	0.00	3	4.2	4.4E-74
IPI00411356	Protein SKD2	Q9UN37			1.05	1.05		3	8.9	5.91E-07
IPI00411426	Vacuolar protein sorting-associated protein 26A	O75436	1.25	0.98	1.16	1.13	0.14	10	35.2	9.3E-116
IPI00411559	Chromosome-associated polypeptide C	Q9NTJ3-1	0.99	1.09	1.07	1.05	0.05	35	33.6	0
IPI00411614	Acidic nucleoplasmic DNA-binding protein 1	O75717	0.90	1.23	1.10	1.08	0.17	14	16	5.6E-259
IPI00411680	L-isoadipyl protein carboxyl methyltransferase	P22061-1	1.03	1.04	1.10	1.05	0.04	10	64.8	0
IPI00411690	La ribonucleoprotein domain family member 1	Q6PKG0-3	1.09			1.09		16	23.8	2.13E-29
IPI00411705	Chronic lymphocytic leukemia deletion region gene 6 protein	Q5W111-1			1.11	1.11		2	11.2	9.96E-50
IPI00411706	Esterase D	P10768	0.93	1.12	1.07	1.04	0.10	8	31.9	1.3E-152

IPI00411730	Serine/threonine-protein phosphatase 4 regulatory subunit 1	Q8TF05-1	0.98	1.30	1.08	1.12	0.16	8	11.4	1.34E-55
IPI00411816	39S ribosomal protein L2, mitochondrial	Q5T653	0.90	0.84	0.84	0.86	0.03	6	26.2	2.4E-100
IPI00411886	NOC2-like protein	Q9Y3T9	0.94	0.76	1.02	0.91	0.13	3	4.3	7.65E-06
IPI00411937	Nucleolar protein 56	O00567	0.85	0.85	0.85	0.85	0.00	22	40.6	1.8E-258
IPI00411984	cDNA FLJ16404 fis, clone UTERU2008019, highly similar to Serine/threonine-protein kinase 3 (EC 2.7.11.1)	B3KYA7		1.16		1.16		3	6.9	1.26E-21
IPI00412147	Long-chain fatty acid transport protein 4	Q6P1M0		0.70	1.10	0.90	0.29	3	6.1	6.15E-13
IPI00412224	Bromodomain and WD repeat-containing protein 2	Q9BZH6	1.02	1.05	1.00	1.03	0.02	4	4.9	2.33E-13
IPI00412243	TLD domain-containing protein KIAA1609	Q6P9B6	1.09	0.97	0.84	0.97	0.12	4	13.6	4.4E-13
IPI00412252	Putative uncharacterized protein RAPGEF5	A8MQ07			0.77	0.77		2	2.6	0.019361
IPI00412343	Fragile X mental retardation 1 protein	Q06787-1	1.11		1.41	1.26	0.21	7	11.6	2.02E-75
IPI00412344	Serine/arginine-rich protein-specific kinase 1	Q96SB4-2	0.94	0.87	0.85	0.89	0.05	10	17.3	1.19E-28
IPI00412404	ATP-dependent RNA helicase SUPV3L1, mitochondrial	Q8IYB8		0.95		0.95		2	3.4	1.57E-05
IPI00412415	ATP-dependent chromatin-remodeling protein	Q9NRL2-1		0.88	0.79	0.84	0.06	3	2.4	2.01E-15
IPI00412497	Dynein, light chain, roadblock-type 1	B1AKR6		1.12	1.09	1.11	0.02	2	18.9	1.62E-26
IPI00412499	Rab GTPase-binding effector protein 2	Q9H5N1-1			1.05	1.05		2	4.4	1.07E-10
IPI00412539	Coiled-coil domain-containing protein 104	Q96G28-2		1.15	0.69	0.92	0.33	3	12.3	1.95E-15
IPI00412579	60S ribosomal protein L10a	P62906	0.83	0.82	0.87	0.84	0.03	13	43.8	1E-142
IPI00412607	60S ribosomal protein L35	P42766	0.93	0.90	0.96	0.93	0.03	10	49.6	1.2E-292
IPI00412672	Protease-activated kinase 1	Q16512-2	1.27	1.27	1.29	1.28	0.01	5	7.6	4.6E-33
IPI00412771	Adapter protein CMS	Q9Y5K6	1.10	1.18	1.18	1.15	0.05	7	13.1	2.33E-28
IPI00412787	ADP-ribosylation factor-like protein 5A	Q9Y689	0.65			0.65		1	6.1	0.000708
IPI00412792	Basic transcription factor 3-like 4	Q96K17	1.32		0.89	1.11	0.30	5	44.9	3.26E-92
IPI00412987	Glia maturation factor beta	P60983	1.02	1.17	1.05	1.08	0.08	7	38.3	3.6E-99
IPI00413006	Putative uncharacterized protein ENSP00000368241	A6NHZ8	0.85	1.15	1.20	1.07	0.19	2	32.9	7.98E-96
IPI00413100	Pleckstrin homology-like domain family B member 1	Q86UU1-1		1.22		1.22		2	2.6	5.64E-49
IPI00413108	37 kDa laminin receptor precursor	P08865	0.89	0.82	0.82	0.84	0.04	13	57	0
IPI00413293	cDNA FLJ56343, highly similar to Torsin A	B4DGM9	1.12	1.06		1.09	0.04	2	7.1	1.17E-20



IPI00413324	60S ribosomal protein L17	P18621	0.90	0.93	0.86	0.90	0.04	15	62	6.4E-131
IPI00413344	Cofilin, muscle isoform	Q9Y281	1.01	1.12	1.24	1.12	0.12	15	67.5	0
IPI00413451	Cytoplasmic antiproteinase	B2RBA8	1.08	1.56	1.25	1.29	0.24	10	34	8.6E-221
IPI00413500	COMM domain-containing protein 4	Q9H0A8-1	0.95	1.13	1.15	1.08	0.11	5	38.2	8.29E-28
IPI00413517	Rho guanine nucleotide exchange factor 10	O15013-1		0.08		0.08		2	2.7	1.49E-28
IPI00413578	Mossy fiber terminal-associated vertebrate-specific presynaptic protein	Q5T0D9-1	0.88	1.27	1.12	1.09	0.20	2	18.8	4.11E-12
IPI00413611	DNA topoisomerase 1	P11387	1.01	1.07	0.99	1.02	0.04	21	27.8	9.6E-142
IPI00413612	cDNA FLJ56629	B4DZB6		0.92		0.92		2	2.7	0.001003
IPI00413641	Aldehyde reductase	P15121	0.97	1.20	1.19	1.12	0.13	11	32.6	3.89E-28
IPI00413778	FKBP1A protein	Q0VDC6	1.03	1.03	0.95	1.00	0.04	5	37.2	9.6E-137
IPI00413817	Serine incorporator 1	Q9NRX5	1.66			1.66		2	6.6	1.35E-27
IPI00413853	UPF0515 protein C19orf66	Q9NUL5-1		1.03	1.09	1.06	0.04	2	11.3	8.09E-07
IPI00413895	130 kDa cis-Golgi matrix protein	Q08379-2	0.98	1.22	1.16	1.12	0.12	11	13.5	1.7E-99
IPI00413961	cDNA FLJ61553, highly similar to Focal adhesion kinase 1 (EC 2.7.10.2)	B4E2N6	0.91	0.98	0.83	0.91	0.07	8	11.6	9.48E-55
IPI00414037	Uncharacterized protein C9orf93	Q6TFL3-1	0.67			0.67		2	1.3	0.018246
IPI00414093	BSD domain-containing protein 1	Q9NW68-1	1.02	1.11	1.16	1.09	0.07	2	8.6	1.58E-09
IPI00414127	Ran-binding protein 1	P43487	1.08	0.89	0.90	0.96	0.10	14	71.1	4.2E-252
IPI00414168	E3 ubiquitin-protein ligase MARCH5	Q9NX47	0.66	0.85	1.00	0.83	0.17	2	10.4	2.73E-39
IPI00414197	CUL4- and DDB1-associated WDR protein 2	Q9H7D7-1	1.31			1.31		2	4.4	0.00895
IPI00414289	COP9 signalosome complex subunit 1	Q13098-7	0.92	1.00	0.95	0.95	0.04	16	32.4	2.1E-121
IPI00414315	Epidermal growth factor receptor kinase substrate 8-like protein 2	Q9H6S3-1	1.27	1.32	1.22	1.27	0.05	12	23.4	2.9E-133
IPI00414320	56 kDa autoantigen	P50995	1.10			1.10		9	15.9	2.1E-101
IPI00414323	Serine/threonine-protein phosphatase 4 regulatory subunit 3B	Q5MIZ7-1		1.17	1.22	1.20	0.03	2	3.4	6.72E-06
IPI00414384	Hydroxysteroid dehydrogenase-like protein 2	Q6YN16-1	0.87	1.13	1.08	1.02	0.14	7	22.2	2.2E-171
IPI00414410	39S ribosomal protein L22, mitochondrial	Q9NWU5-1	0.91	0.98	0.91	0.93	0.04	10	46.6	2.39E-74
IPI00414442	CDK5 activator-binding protein C53	Q96JB5-1	1.11	1.13	1.21	1.15	0.05	9	15.8	5.05E-56
IPI00414463	Leucine carboxyl methyltransferase 1	Q9UIC8-2	0.84			0.84		3	8.1	0.00059

IPI00414482	General transcription factor 3C polypeptide 1	Q12789-2	0.92	0.87	0.80	0.87	0.06	2	1.6	1.06E-11
IPI00414554	Actin-related protein 2/3 complex subunit 5-like protein	Q9BPX5	1.14	0.94	1.03	1.03	0.10	7	63.4	1.12E-74
IPI00414629	Protein unc-119 homolog B	A6NIH7	0.99	1.28	1.28	1.18	0.17	6	34.7	1.94E-30
IPI00414657	Chromosome transmission fidelity factor 18 homolog	Q8WVB6-2		1.47	1.31	1.39	0.11	7	11	1.8E-120
IPI00414676	Heat shock 84 kDa	P08238	0.98	0.92	0.92	0.94	0.04	80	73.5	0
IPI00414717	Golgi glycoprotein 1	Q92896-2	0.54	0.57	0.72	0.61	0.10	6	6.2	2.63E-94
IPI00414836	Osteoclast-stimulating factor 1	Q92882	0.88	1.02	0.96	0.95	0.07	10	57.5	9.2E-222
IPI00414852			0.85			0.85		5	39.1	1.89E-14
IPI00414858	Component of oligomeric Golgi complex 3	Q96JB2-1			1.29	1.29		3	4.5	4.36E-49
IPI00414860	60S ribosomal protein L37a	P61513	0.78		1.03	0.91	0.18	4	31.5	2.28E-08
IPI00418125	Layilin	Q6UX15-1		1.20		1.20		2	7.6	1.01E-20
IPI00418169	Annexin A2	P07355-2	0.99	1.07	1.07	1.04	0.05	37	72.3	0
IPI00418213	Rab5 GDP/GTP exchange factor	Q9UJ41-1	1.03		0.94	0.99	0.06	3	3.7	1.11E-07
IPI00418248	cDNA FLJ56351, highly similar to Mps one binder kinase activator-like 2	B4DKP3			1.07	1.07		2	7.8	2.35E-23
IPI00418262	Brain-type aldolase	P09972	1.11	1.16	1.11	1.13	0.03	17	38.6	0
IPI00418290	39S ribosomal protein L14, mitochondrial	Q6P1L8	0.91	0.90	0.82	0.88	0.05	4	35.9	5.6E-136
IPI00418313	Double-stranded RNA-binding protein 76	Q12906-4	1.11	1.11	1.07	1.10	0.02	33	41.4	0
IPI00418471	Vimentin	P08670	0.97	0.90	1.01	0.96	0.05	68	85.4	0
IPI00418497	Mitochondrial import inner membrane translocase subunit TIM50	Q3ZCQ8-2	0.84	0.81	0.85	0.83	0.02	9	21.9	5.7E-208
IPI00418603	Ubiquitin carrier protein R2	Q712K3	1.03	1.04	0.90	0.99	0.08	5	23.1	5.74E-25
IPI00419084	DENN domain-containing protein 5B	Q6ZUT9-2			0.68	0.68		2	2	1.53E-09
IPI00419166	Protein FAM83G	A6ND36-1		0.75		0.75		2	2.6	2.14E-05
IPI00419194	Isoamyl acetate-hydrolyzing esterase 1 homolog	Q2TAA2		1.02	1.18	1.10	0.12	3	21.4	1.26E-30
IPI00419235	Glutathione S-transferase Mu 5	P46439	1.35		1.17	1.26	0.13	12	40.2	2.37E-76
IPI00419237	Cytosol aminopeptidase	P28838-1	0.90	0.94	0.92	0.92	0.02	21	53.2	0
IPI00419249	Macropain subunit C8	P25788-1	0.96	1.08	1.14	1.06	0.09	17	56.9	4.9E-163
IPI00419258	High mobility group protein 1	P09429	1.10	1.06	1.06	1.07	0.02	21	51.2	0
IPI00419266	Complex I-B14	P56556	1.17	1.11	1.21	1.16	0.05	2	15.6	0.000574

IPI00419373	Heterogeneous nuclear ribonucleoprotein A3	P51991-1	1.10	1.06	1.01	1.06	0.04	23	47.1	0
IPI00419473	RNA polymerase B transcription factor 3	P20290-2	1.33	0.79	0.74	0.95	0.32	15	68.5	1.5E-172
IPI00419531	Cleavage and polyadenylation specificity factor 100 kDa subunit	Q9P210	0.80	1.20	0.86	0.95	0.22	4	8.6	2.58E-30
IPI00419535	Leucine-rich repeat-containing protein 8E	Q6NSJ5			0.96	0.96		3	3.8	0.001855
IPI00419575	Conserved edge-expressed protein	Q7L5D6-1		1.14		1.14		3	10.4	8.75E-40
IPI00419585	Cyclophilin A	P62937	0.96	1.24	1.21	1.14	0.15	14	81.8	9.8E-282
IPI00419626	39S ribosomal protein L55, mitochondrial	Q7Z7F7-2	1.00	0.97	0.90	0.96	0.05	2	18.9	1.86E-30
IPI00419721	EPM2A-interacting protein 1	Q7L775	2.16	0.83	1.29	1.43	0.67	4	9.4	1.17E-21
IPI00419802	3-hydroxyisobutyryl-CoA hydrolase, mitochondrial	Q6NVY1-1	0.85	1.33	1.10	1.09	0.24	3	8.3	5.4E-08
IPI00419844	Inactive ubiquitin-specific peptidase 39	Q53GS9	1.03	0.89	1.06	1.00	0.09	14	28	3.6E-211
IPI00419847	SH3-containing adapter molecule 1	O60504-1	1.28	1.34	1.06	1.23	0.15	7	15.4	1.8E-112
IPI00419856	cDNA FLJ54538, highly similar to Transportin-2	B4DRY5			1.10	1.10		9	10.9	1.6E-109
IPI00419880	40S ribosomal protein S3a	P61247	0.80	0.86	0.84	0.84	0.03	25	70.8	0
IPI00419894	CCAAT displacement protein	P39880-3			0.91	0.91		2	1.5	8.34E-06
IPI00419903	Aspartate dehydrogenase domain-containing protein	A6ND91	1.00	1.12		1.06	0.08	2	5.7	0.001907
IPI00419932	Putative Ras-related protein Rab-12	Q6IQ22	0.88	1.21	1.10	1.07	0.17	7	32	3.83E-87
IPI00419979	C-t-PAK2	Q13177	1.15	1.18	1.04	1.12	0.08	11	31	6.1E-188
IPI00420014	Activating signal cointegrator 1 complex subunit 3-like 1	O75643-1	0.96	1.02	1.02	1.00	0.04	41	23.9	0
IPI00420084	BH3-interacting domain death agonist	P55957-2	1.14		0.94	1.04	0.14	3	11.2	1.1E-99
IPI00420108	2-oxoglutarate dehydrogenase complex component E2	P36957	1.11	1.05	1.05	1.07	0.03	8	21	0
IPI00423156	Cds1	O96017-9			1.07	1.07		2	7.7	4.18E-16
IPI00423570	c-Ki-ras	P01116-2			1.33	1.33		4	26.6	4.22E-67
IPI00424460	Endofin	Q7Z3T8-1	1.04		1.01	1.02	0.02	3	3.9	1.98E-53
IPI00427242	rRNA-processing protein FCF1 homolog	Q9Y324	0.93	0.92		0.92	0.01	2	10.1	9.54E-20
IPI00427330	Ribosome maturation protein SBDS	Q9Y3A5	0.75	1.07	1.02	0.94	0.17	14	53.2	7.9E-226
IPI00428288	39S ribosomal protein L43, mitochondrial	Q8N983-4	0.93	0.95	0.94	0.94	0.01	7	42.1	3.79E-58
IPI00428967	Toll-like receptor adapter molecule 2 (TICAM-2) (Putative NF-kappa-B- activating protein 502).	Q6JUT2	0.85	1.06	1.15	1.02	0.15	5	15.6	9.35E-16

IPI00429191	Eukaryotic peptide chain release factor subunit 1	P62495	0.76	0.97	0.89	0.87	0.10	11	27.5	2.8E-159
IPI00429538	Protein yippee-like 5	P62699	0.83	0.95		0.89	0.08	4	41.3	1.4E-138
IPI00429689	Serine/threonine-protein phosphatase 2A catalytic subunit beta isoform	P62714	0.92		1.11	1.01	0.14	15	57	0
IPI00430291	Calcium/calmodulin-dependent protein kinase type II subunit delta	Q13557-1			1.07	1.07		9	26.1	8.4E-255
IPI00430411	Calcium/calmodulin-dependent protein kinase type IV	Q16566	1.09		0.95	1.02	0.10	2	6.6	5.62E-52
IPI00430472	Activating signal cointegrator 1 complex subunit 3	Q8N3C0			1.06	1.06		2	0.9	2.62E-05
IPI00430803	Uncharacterized protein C2orf79	Q6GMV3	1.19	1.07		1.13	0.09	3	15.7	5.27E-05
IPI00430812	Cellular nucleic acid-binding protein	P62633-1	0.97	0.98	0.94	0.96	0.02	11	57.1	0
IPI00431082	Coiled-coil domain-containing protein 5	Q96CS2-1	1.03	0.84	1.05	0.97	0.12	5	20.1	4.63E-50
IPI00432363	Microtubule-actin cross-linking factor 1, isoform 4	Q96PK2		0.92		0.92		36	8	0
IPI00438170	Sorting nexin-12	Q9JMY4-1	1.21	1.15	1.07	1.14	0.07	9	44.8	4.76E-82
IPI00438229	KRAB-associated protein 1	Q13263-1	1.07	1.10	1.02	1.06	0.04	31	53.9	0
IPI00438286	Densin-180-like protein	Q96RT1-1	0.98	1.24	1.08	1.10	0.13	6	6.1	2.42E-47
IPI00439194	Methyl-CpG-binding domain protein 3	O95983-1	1.12	1.33	1.17	1.21	0.11	6	22	2.2E-69
IPI00439948	Inhibitor of ASPP protein	Q8WUF5-1	0.92	0.98	0.77	0.89	0.11	19	36.1	3.3E-205
IPI00440493	ATP synthase subunit alpha, mitochondrial	P25705	1.07	0.96	1.03	1.02	0.06	32	61.1	0
IPI00440502	Bromodomain-containing protein 2	P25440-2	1.23	1.48	0.98	1.23	0.25	4	6	7.14E-16
IPI00440688	cDNA FLJ54030, highly similar to Polymerase delta-interacting protein 3	B4E0L0	1.18	1.37	1.19	1.25	0.10	9	29.2	1.7E-106
IPI00440703	cDNA FLJ76598, highly similar to Homo sapiens glutathione S-transferase kappa 1, mRNA	Q6P4H0	0.97		1.19	1.08	0.15	3	14.9	2.48E-62
IPI00440719	ARD1 homolog A, N-acetyltransferase (S. cerevisiae), isoform CRA_b	A6NM98			0.86	0.86		11	43.2	1.8E-157
IPI00440727	Bromodomain-containing protein 4	O60885-1			1.04	1.04		3	3.6	9.51E-09
IPI00440932	Cellular disintegrin-related protein	Q13443-1	0.99	1.40	1.37	1.25	0.23	5	10.6	8.2E-67
IPI00441473	72 kDa ICln-binding protein	O14744	0.88	0.87	0.85	0.87	0.01	14	27.2	8.7E-178
IPI00441867	33 kDa housekeeping protein	P40855-1	1.32	0.91		1.12	0.29	2	13	3.7E-114
IPI00442073	Cysteine and glycine-rich protein 1	P21291	0.70	1.00	0.98	0.89	0.17	14	69.4	0

IPI00442210	Abelson interactor 2	Q9NYB9-1		1.44	0.90	1.17	0.38	2	7	2.63E-16
IPI00442821	CDNA FLJ26613 fis, clone MPB05565, highly similar to Serine/threonine protein phosphatase 2A, 55 kDa regulatory subunit B, alpha isoform	Q6ZP32	0.91			0.91		7	16.5	7.75E-69
IPI00443909	MIR-interacting saposin-like protein	Q9Y2B0-1	1.14	1.00	0.96	1.03	0.09	10	60.4	9.9E-251
IPI00444329	cDNA FLJ45695 fis, clone FEBRA2013570, highly similar to 2-oxoisovalerate dehydrogenase alpha subunit, mitochondrial (EC 1.2.4.4)	Q6ZSA3		1.14	1.38	1.26	0.17	2	6.9	2.7E-12
IPI00444371	Rabphilin-11	Q5JSH3-1		0.87	0.95	0.91	0.05	3	3.9	3.64E-09
IPI00444452	Moloney leukemia virus 10 protein	Q9HCE1-1	1.23	1.25	1.25	1.24	0.01	12	17.8	7.1E-193
IPI00444646	Putative uncharacterized protein SYNRG	A6NEV4		1.04		1.04		4	4.6	1.04E-05
IPI00444945	Apoptosis regulator BAX	Q07812-2	1.19	1.15	1.07	1.13	0.06	6	32.1	6E-126
IPI00446294	Target of Myb-like protein 2	Q6ZVM7-1	0.73			0.73		2	9.3	1.53E-79
IPI00446875	Endoplasmic reticulum-Golgi intermediate compartment protein 3	Q9Y282-2	0.81	0.98	1.00	0.93	0.11	5	11.1	6.82E-33
IPI00447051	B-cell CLL/lymphoma 7 protein family member C	Q8WUZ0-2	1.37			1.37		2	9.1	0.000878
IPI00448095	Carbonyl reductase II	Q7Z4W1	1.16	1.34	1.27	1.25	0.09	9	43.4	4E-122
IPI00448630	Sterile alpha and Armadillo repeat protein	Q6SZW1-1	0.95	0.98	0.94	0.96	0.02	8	15.9	6.2E-106
IPI00448798	Casein kinase I isoform alpha	P48729-2	0.82	1.06	1.00	0.96	0.12	7	19.5	1.1E-240
IPI00449049	NAD(+) ADP-ribosyltransferase 1	P09874	1.01	1.11	1.07	1.06	0.05	48	50.6	0
IPI00449197	GMP reductase	Q6PKC0	0.91		1.05	0.98	0.10	3	10	1.02E-28
IPI00450071	SEN15 homolog	Q8WW01			1.02	1.02		2	22.8	3.02E-16
IPI00450472	Ubiquitin carrier protein	B0QYN7	0.98	1.10	1.06	1.05	0.06	5	20.1	1.83E-51
IPI00451941	cDNA FLJ54848, highly similar to tRNA-splicing endonuclease subunit Sen34 (EC 3.1.27.9)	B4DT51	0.95	1.10	1.01	1.02	0.08	5	24	2.21E-14
IPI00452731	Complex I-B14.5a	O95182	0.72		1.23	0.97	0.36	3	31	1.07E-09
IPI00453473	Histone H4	P62805	1.17	0.99	1.06	1.07	0.09	15	65	1.6E-268
IPI00455153	HIRA-interacting protein 5	Q9UMS0	1.06	0.87	0.84	0.92	0.12	7	30.3	4.4E-106
IPI00455210	ATP-dependent helicase CHD4	Q14839-2	0.95	0.99	1.01	0.99	0.03	27	17.7	0
IPI00455457	Histone H3	Q5TEC6	1.27	0.94	1.18	1.13	0.17	10	47.8	3.83E-19
IPI00455473	C219-reactive peptide	Q5JRA6-1	1.14	1.01	1.03	1.06	0.07	9	7.7	4.65E-56
IPI00456008	ATP synthase-coupling factor 6, mitochondrial	P18859			1.06	1.06		2	24.1	8.2E-66

IPI00456048	COMM domain-containing protein 2	Q86X83	1.00	1.09	1.01	1.03	0.05	2	7.5	0.002118
IPI00456363	Ataxin-2 domain protein	Q8WWM7-3	1.05	1.01	0.92	0.99	0.07	18	20.4	1.2E-114
IPI00456429	60S ribosomal protein L40	P62987	0.69			0.69		10	60.2	1.9E-147
IPI00456492	Ciliary rootlet coiled-coil protein	Q5TZA2-1	1.17			1.17		4	1.6	7.18E-10
IPI00456642	HECT domain-containing protein 3	Q5T447-1		1.29	1.06	1.17	0.16	4	5.6	7.68E-71
IPI00456664	Nitrilase homolog 1	Q86X76-3	1.04	1.24	1.14	1.14	0.10	5	13.9	4.22E-15
IPI00456744	SH3 domain-binding protein 1	Q9Y3L3-1		1.03		1.03		3	6	3.38E-12
IPI00456758	60S ribosomal protein L27a	P46776	0.87	0.92	0.82	0.87	0.05	7	39.9	2.91E-84
IPI00456887	Heterogeneous nuclear ribonucleoprotein U-like protein 2	Q1KMD3	1.17	1.21	1.13	1.17	0.04	29	35.1	0
IPI00456899	RING finger protein 169	Q8NCN4			0.74	0.74		2	3.1	0.001103
IPI00456925	Cervical mucin-associated protein	Q9UJU6-1	1.00	1.26	1.00	1.08	0.15	12	35.6	0
IPI00456940	60S ribosomal protein L7-like 1	Q6DKI1	0.81	0.89	0.88	0.86	0.04	7	27.6	3.14E-25
IPI00456969	Cytoplasmic dynein 1 heavy chain 1	Q14204	1.08	0.96	1.01	1.01	0.06	137	33.4	0
IPI00456983	ATPase class VI type 11A	P98196		0.92		0.92		2	1.5	0.013707
IPI00457347	Eukaryotic translation initiation factor 1b	O60739	0.71	1.18	1.10	0.99	0.25	5	23.5	3.57E-71
IPI00464952	Arginine-rich 54 kDa nuclear protein	Q05519	1.30	1.01	0.91	1.07	0.20	5	15.3	3.41E-39
IPI00464979	ATP-specific succinyl-CoA synthetase subunit beta	Q9P2R7-1	0.92	1.21	1.05	1.06	0.14	7	15.3	2.1E-161
IPI00464980	Histone deacetylase complex subunit Sin3b	O75182-1		1.04		1.04		2	3.9	3.49E-29
IPI00464999	Amplified in breast cancer protein 1	Q6AI08			1.50	1.50		2	2.3	3.46E-41
IPI00465028	Triosephosphate isomerase	Q53HE2	1.03	1.08	1.07	1.06	0.03	25	80.4	0
IPI00465038	cDNA FLJ50237, highly similar to Homo sapiens fibulin 2 (FBLN2), transcript variant 1, mRNA	B7Z6T9	0.77	1.36	1.31	1.15	0.33	17	21.4	7.2E-303
IPI00465044	Protein RCC2	Q9P258	0.85	0.98	0.97	0.93	0.08	15	31	4.5E-107
IPI00465054	Putative uncharacterized protein DKFZp686C1054	Q6MZT3	1.19	1.28	1.29	1.25	0.05	7	24.4	3.1E-102
IPI00465059	Mitochondrial Rho GTPase 2	Q8IXI1-1		1.01	0.98	0.99	0.02	5	12.1	5.41E-51
IPI00465070	Histone H3.1	P68431	1.16			1.16		11	39	6.37E-26
IPI00465085	FHA-HIT-interacting protein	Q6XQN6-1	1.20	1.07		1.13	0.09	4	9.1	5.46E-77
IPI00465132	Coatomer subunit epsilon	O14579	0.85	1.04	1.05	0.98	0.11	15	52.6	1.9E-301
IPI00465139	Acyl-CoA-desaturase 4	Q86SK9-1		0.98	0.83	0.91	0.10	1	5.5	1.77E-06

IPI00465160	ATP-binding cassette sub-family F member 3	Q9NUQ8-1	0.79	1.26	1.07	1.04	0.24	10	19	1.7E-206
IPI00465170	5-nucleotidase domain-containing protein 3	Q86UY8-1	0.88			0.88		2	5.3	9.92E-06
IPI00465176	39S ribosomal protein L28, mitochondrial	Q8TCC3-2	2.38	1.00		1.69	0.97	2	11	3.03E-07
IPI00465179	cDNA FLJ44241 fis, clone THYMU3008436, highly similar to 6-phosphofructokinase, muscle type (EC 2.7.1.11)	Q6ZTT1	1.07	1.04	1.04	1.05	0.02	16	19.5	3.4E-198
IPI00465211	HZGJ	C9JHT3	0.90	1.01	1.05	0.99	0.07	9	15.4	6.4E-108
IPI00465233	Eukaryotic translation initiation factor 3, subunit E interacting protein	B0QY89	0.91	0.98	0.92	0.94	0.04	19	35.9	0
IPI00465248	2-phospho-D-glycerate hydro-lyase	P06733-1	1.08	1.05	1.02	1.05	0.03	47	85.5	0
IPI00465256	Adenylate kinase 3	Q9UIJ7	1.30	1.04	1.11	1.15	0.13	11	48.9	3.5E-132
IPI00465261	Endoplasmic reticulum aminopeptidase 2	Q6P179-1	2.13			2.13		1	1.7	0.010038
IPI00465275	BPM90	Q96S59-1	0.95	1.12	1.12	1.06	0.10	3	5.8	2.7E-154
IPI00465290	DnaJ homolog subfamily C member 11	Q9NVH1-1	0.82	0.91	0.80	0.84	0.06	6	15.7	1E-170
IPI00465294	Cell division cycle 5-like protein	Q99459	1.10	1.16	1.04	1.10	0.06	27	39.4	1E-297
IPI00465296	Exportin-6	Q96QU8	0.96		1.04	1.00	0.05	4	5.5	3.37E-38
IPI00465308	GPI transamidase component PIG-S	Q96S52-1	1.06	1.00	1.40	1.15	0.21	4	11.7	7.23E-56
IPI00465315	Cytochrome c	P99999	0.69	1.05	0.85	0.86	0.18	4	38.1	1.81E-26
IPI00465361	60S ribosomal protein L13	P26373	0.96	0.83	0.87	0.89	0.07	16	45.5	4.7E-114
IPI00465373	Cysteine-S-conjugate beta-lyase 2	Q6YP21-1	1.35	1.09	1.43	1.29	0.18	3	12.3	2.33E-42
IPI00465377	Matrix-remodeling-associated protein 7	P84157-1	1.33		0.96	1.14	0.26	3	23	2.17E-36
IPI00465387	Cell division cycle-associated protein 2	Q69YH5-1	1.60		0.94	1.27	0.47	3	5.1	6.22E-07
IPI00465431	35 kDa lectin	P17931	1.57	1.54	1.67	1.59	0.07	9	37.2	4.35E-60
IPI00465432	Nodal modulator 2	Q5JPE7-1			0.99	0.99		20	22.3	7.3E-260
IPI00465436	Catalase	P04040	0.99	1.05	1.01	1.02	0.03	15	31.1	1.2E-259
IPI00465443	TSG-9	Q2TAM9	1.17	0.82	1.03	1.01	0.18	2	14.6	5.39E-30
IPI00470422	Ankyrin repeat and MYND domain-containing protein 2	Q659G1		1.05		1.05		3	6.5	0.000739
IPI00470498	PAI1 RNA-binding protein 1	Q8NC51-3		0.63	0.80	0.71	0.12	26	56	0
IPI00470502	Inorganic pyrophosphatase 2, mitochondrial	Q9H2U2-2	1.49	1.12	0.88	1.16	0.31	6	24.4	8.2E-155
IPI00470528	60S ribosomal protein L15	P61313	0.83	0.87	0.88	0.86	0.02	10	37.3	7.4E-125
IPI00470537	AT-rich interactive domain-containing protein 2	Q68CP9-1	1.17			1.17		2	1.4	0.002326

IPI00470559	Ankyrin repeat domain-containing protein 25	Q63ZY3-1	0.96	1.81	1.43	1.40	0.43	11	18.9	8.8E-155
IPI00470573	cDNA FLJ51656, highly similar to Actin-like protein 2	B4DHK9	0.91	1.03	1.06	1.00	0.08	17	41.1	0
IPI00470576	Leucine-rich repeat-containing protein 57	Q8N9N7	1.10	1.38	1.21	1.23	0.14	8	34.3	2.53E-33
IPI00470594	Putative MAPK-activating protein PM18/PM20/PM22	Q7Z422-1	1.21			1.21		4	32.2	1.19E-12
IPI00470596	Cutaneous T-cell lymphoma-associated antigen se33-1	Q14966-1	1.04	0.79	0.80	0.88	0.14	10	6.5	4.81E-24
IPI00470606	tRNA guanosine-2-O-methyltransferase TRM11 homolog	Q7Z4G4-1		0.80	0.93	0.86	0.09	2	5.8	4.57E-11
IPI00470610	Proline-5-carboxylate reductase 2	Q96C36	0.98	0.91	0.91	0.93	0.04	6	20.9	1.4E-217
IPI00470649	Nicalin	Q969V3-1	1.04	0.95	0.97	0.99	0.04	12	25.6	1.7E-176
IPI00470674	Humb5R2	Q9UHQ9	0.94	1.15	1.15	1.08	0.12	3	9.2	1.11E-05
IPI00470779	Alpha-taxilin	P40222	0.97	1.01	1.00	0.99	0.02	22	48.2	9.1E-272
IPI00470883	Stromal antigen 2	B1AMT5		1.26		1.26		3	2.8	8.87E-13
IPI00472073	HLA class I histocompatibility antigen, B-59 alpha chain	Q29940		1.05		1.05		7	23.5	2.1E-163
IPI00472160	Guanine nucleotide exchange factor H1	Q92974-2	0.91	1.13		1.02	0.16	22	25.1	0
IPI00472164	Protein WAVE-2	Q9Y6W5		1.22	1.10	1.16	0.08	6	14.9	1.47E-54
IPI00472442	30 kDa prosomal protein	P25786-2	1.02	1.03	1.09	1.05	0.04	14	44.6	8E-201
IPI00472794	FCH domain only protein 2	Q0JRZ9-1		1.03	1.44	1.23	0.29	3	7	1.85E-78
IPI00472825	HLA class I histocompatibility antigen, A-32 alpha chain	P10314	1.19			1.19		10	33.7	1.85E-86
IPI00472939	Microsomal signal peptidase 25 kDa subunit	Q15005	0.78	1.03	1.17	0.99	0.20	11	46	4.7E-157
IPI00473014	Actin-depolymerizing factor	P60981	0.88	1.32	1.30	1.16	0.25	14	51.5	5.6E-209
IPI00473047	5-AMP-activated protein kinase subunit gamma-1	P54619	0.92	1.00	1.10	1.01	0.09	5	15.3	8.04E-26
IPI00473085	Dnm1p/Vps1p-like protein	O00429-4	1.01	1.23	1.10	1.11	0.11	38	62.5	0
IPI00473118	Matrilin-2	O00339-1	1.28			1.28		2	3.4	2.59E-09
IPI00477001	Cell cycle autoantigen SG2NA	Q13033-2		1.07		1.07		4	6.6	1.02E-41
IPI00477040	Nucleoporin NUP188 homolog	Q5SRE5-1	0.90		1.05	0.98	0.11	3	2.2	2.07E-10
IPI00477118	Transmembrane protein 214	Q6NUQ4	0.88	1.18	1.30	1.12	0.21	5	9.3	5.54E-06
IPI00477231	Beta-hexosaminidase	O60502-1	1.15	1.39	1.20	1.25	0.13	6	7.6	3.4E-59
IPI00477313	Heterogeneous nuclear ribonucleoproteins	P07910-1	1.09			1.09		21	50.3	0



	C1/C2										
IPI00477355	KIF1-binding protein	Q96EK5	0.89	1.22	1.25	1.12	0.20	5	12.6	2.5E-235	
IPI00477468	RNA polymerase-associated protein CTR9 homolog	Q6PD62			0.97	0.97		2	2.5	0.008216	
IPI00477494	Dr1-associated corepressor	Q14919-2	1.20	1.01	1.15	1.12	0.09	2	9.9	1.64E-08	
IPI00477505	Ankyrin repeat domain-containing protein 28	O15084-1			0.84	0.84		3	3.8	5.83E-27	
IPI00477526	UPF0550 protein C7orf28	O95766		2.71		2.71		2	5.4	5.37E-06	
IPI00477661	Zinc finger protein 91 homolog	Q96JP5-1	1.15	1.01	1.16	1.11	0.08	3	10.4	5.06E-48	
IPI00477686	ATP-dependent helicase GTF2F2	P13984	1.05	0.98	1.00	1.01	0.04	9	41.4	2.82E-23	
IPI00477763	CDC42-binding protein kinase beta	Q9Y552		1.08		1.08		2	1.5	0.000953	
IPI00477802	Nuclear phosphoprotein p21/SIIR	Q15170-2	5.00	1.54	1.67	2.74	1.96	1	7.5	5.69E-16	
IPI00477806	TSC22 domain family protein 2	O75157-1	1.33		0.71	1.02	0.44	4	13.8	1.73E-13	
IPI00477971	Transducin beta-like protein 3	Q12788	0.75	0.91	0.85	0.83	0.08	14	26.2	1E-216	
IPI00478068	Glutathione S-transferase C-terminal domain-containing protein	Q8NEC7	1.09		0.86	0.98	0.17	3	6.6	2.98E-16	
IPI00478127	Transcription elongation factor A protein-like 3	Q969E4		1.40		1.40		4	22.5	7.5E-102	
IPI00478128	cDNA FLJ60209, highly similar to Transcriptional repressor p66 alpha	B4E0Q6	0.99	0.89	0.97	0.95	0.05	7	15	1.71E-25	
IPI00478229	Ribonuclease P (30kD) (RPP30)	Q5VU11	0.89	1.07	0.91	0.96	0.10	7	24.4	1.5E-23	
IPI00478230	Retinoblastoma-binding protein 5	Q15291-1		1.22		1.22		2	3.7	0.000535	
IPI00478231	Rho cDNA clone 12	P61586	0.83	1.11	1.14	1.03	0.17	11	46.1	1.7E-212	
IPI00478278	26S proteasome-associated UCH37-interacting protein 1	Q99871-2			0.95	0.95		3	13.1	6.43E-59	
IPI00478390	Cyclin-dependent kinase inhibitor 2A, isoform 4	Q8N726			1.58	1.58		1	11	0.002415	
IPI00478410	ATP synthase subunit gamma, mitochondrial	P36542-1	1.02	0.96	1.04	1.01	0.04	10	34.9	2.13E-55	
IPI00478450	Complex I-ESSS	Q9NX14-2	1.18	0.99	1.14	1.10	0.10	2	20.9	8.25E-52	
IPI00478496	Ribonuclease P protein subunit p40	O75818-1		0.88	0.80	0.84	0.06	3	16.3	4.8E-100	
IPI00478521	Rab-interacting lysosomal-like protein 1	Q5EBL4-1			0.85	0.85		1	2.7	0.005512	
IPI00478657	G-rich sequence factor 1	Q12849	0.71	0.83	0.83	0.79	0.07	7	21	5.7E-23	
IPI00478758	UPF0557 protein C10orf119	Q9BTE3-1	0.86	1.26	1.14	1.09	0.20	5	11.5	4.63E-64	
IPI00478834	Arginine and glutamate-rich protein 1	Q9NWB6-1	1.27			1.27		4	11.7	9.72E-07	
IPI00478838	Fatty acyl-CoA reductase 1	Q8WVX9	0.67		0.67	0.67	0.00	3	7.4	1.62E-21	

IPI00479018	Melanoma differentiation-associated protein 9	O00560-2	1.37	1.72		1.54	0.25	7	42.5	1.5E-195
IPI00479058	40S ribosomal protein S15	P62841	1.02	0.91	0.83	0.92	0.09	5	31	3.9E-114
IPI00479125	Formin-binding protein 2	O75044		1.10	1.12	1.11	0.02	3	3.2	2.53E-22
IPI00479186	Cytosolic thyroid hormone-binding protein	P14618-1	1.05	1.18	1.17	1.13	0.07	49	77.4	0
IPI00479191	Heterogeneous nuclear ribonucleoprotein H	P31943	1.07	0.99	1.00	1.02	0.04	16	45.6	0
IPI00479217	Heterogeneous nuclear ribonucleoprotein U	Q00839-2		1.43		1.43		43	46.7	0
IPI00479262	Eukaryotic translation initiation factor 4 gamma 1	Q04637-3		0.97	0.91	0.94	0.04	48	32.4	0
IPI00479306	Macropain epsilon chain	P28074	0.94	0.93	1.03	0.97	0.05	13	43	0
IPI00479307	Cellular myosin heavy chain, type B	P35580-2	1.03	1.06		1.04	0.02	83	41.8	0
IPI00479385	N-acetylserotonin O-methyltransferase-like protein	O95671-1	0.98		0.85	0.92	0.09	3	9.5	7.12E-41
IPI00479534	Cofactor required for Sp1 transcriptional activation, subunit 3, 130kDa	Q5JWT2	1.11	1.31	0.77	1.06	0.27	3	3.5	2.64E-17
IPI00479571	Putative uncharacterized protein DTNBP1	A6NFV8		1.17		1.17		1	4.5	0.008359
IPI00479676	Cancer/testis antigen 89	O60271-4		0.98		0.98		25	25.5	0
IPI00479722	11S regulator complex subunit alpha	Q06323		1.11	1.17	1.14	0.04	17	65.9	0
IPI00479724	CD11 antigen-like family member C	P20702	1.13			1.13		1	0.8	0.00129
IPI00479743	ANKRD26-like family C member 1A	Q6S8J3-1	1.03		0.76	0.90	0.19	14	11.8	0
IPI00479786	Far upstream element-binding protein 2	Q92945-1	1.24	0.97	0.95	1.05	0.16	34	51.6	0
IPI00479793	Methionine-R-sulfoxide reductase B3, mitochondrial	Q8IXL7-2	1.01		1.09	1.05	0.06	2	31.8	9.01E-08
IPI00479877	4-trimethylaminobutyraldehyde dehydrogenase	P49189	0.94	1.22	1.10	1.09	0.14	10	20.7	5.34E-92
IPI00479905	Complex I-PDSW	O96000	0.98	1.05	1.09	1.04	0.06	10	59.9	1.12E-91
IPI00479997	Leukemia-associated phosphoprotein p18	P16949	1.61	1.22	1.20	1.34	0.23	20	79.2	5E-201
IPI00480022	Golgi complex-associated protein of 16 kDa	Q7Z5G4	0.97	1.31	1.32	1.20	0.20	3	27	4.22E-30
IPI00480028	Putative uncharacterized protein AB11	A6NFN2		1.24		1.24		2	5.7	2.68E-19
IPI00480056	Ras-related protein Rab-4A	P20338	1.12	1.17	1.16	1.15	0.03	9	42.2	6.9E-123
IPI00480103	Protein FAM83D	Q9H4H8-1		0.34	0.99	0.67	0.46	2	3.4	3.96E-06
IPI00480142	Cullin-4B	Q13620-2	1.14	1.22	1.18	1.18	0.04	28	32.2	0
IPI00480187	Histone lysine demethylase PHF8	Q9UPP1-1		1.03		1.03		2	2.7	2.05E-12
IPI00513791	Dedicator of cytokinesis protein 7	Q96N67-1	0.83	1.13	0.87	0.94	0.16	6	4.5	8.49E-26

IPI00513805	Mitochondrial ribosomal protein S18A	A6XND3	1.01	0.86	0.91	0.93	0.07	3	14.4	1.82E-38
IPI00513827	Putative uncharacterized protein DKFZp686M24262	Q5HYG7	0.91	0.98	1.02	0.97	0.06	6	17.2	5.48E-73
IPI00513833	Transmembrane protein 9	B1ALM4	1.02			1.02		2	12.5	5.81E-19
IPI00513853	Syntaxin 12	B1AJQ6	1.19	1.09	1.16	1.14	0.05	7	32.4	3.3E-211
IPI00514021	Guanylate kinase 1	B1ANH3			1.15	1.15		1	3.8	2.51E-07
IPI00514027	Heat shock protein 90kDa alpha (Cytosolic), class B member 1	Q5T9W8		0.01		0.01		14	53	0
IPI00514173	Cyclophilin-33B	Q3S611	1.04	1.09		1.07	0.03	8	22.3	5.62E-28
IPI00514213	Zinc finger, AN1-type domain 5	Q5QP81	0.96	0.80	0.85	0.87	0.08	2	19.6	2.4E-180
IPI00514311	CTTNBP2 N-terminal-like protein	Q9P2B4	1.04	1.29		1.17	0.18	2	8	5.73E-21
IPI00514340	Methyltransferase-like protein 13	Q8N6R0-5		1.09	1.13	1.11	0.03	4	5.3	1.51E-05
IPI00514399	Putative uncharacterized protein RPS27	Q5T4L4	0.62	0.83	0.70	0.72	0.10	4	39.4	5.22E-40
IPI00514424	Palmitoyl-protein thioesterase 1	Q5T0S6	0.94	0.79	0.94	0.89	0.09	6	29	1.98E-86
IPI00514501	Chromosome 1 open reading frame 57	Q5TDF0	1.15	1.11	1.12	1.13	0.02	7	38.2	7.16E-56
IPI00514506	39S ribosomal protein L24, mitochondrial	Q96A35	0.92	0.85	0.88	0.88	0.03	6	20.8	8.84E-09
IPI00514550	cDNA FLJ40556 fis, clone THYMU2002583, highly similar to DYNAMIN 2	Q8N1K8			1.07	1.07		19	29	3.25E-96
IPI00514558	Polyamine-modulated factor 1	Q6P1K2-2		1.20		1.20		2	13.5	6.56E-34
IPI00514587	Seryl-tRNA synthetase	Q5T5C7	0.87	1.09	1.04	1.00	0.12	27	53.4	0
IPI00514593	Tetratricopeptide repeat domain 4	Q5TA95	0.83		0.86	0.85	0.02	3	15.1	2.97E-86
IPI00514611	Putative uncharacterized protein BCAP29	A6NCU1		1.05		1.05		2	8.6	2.01E-05
IPI00514619	C2orf4 protein	Q5R2V8	0.90	1.09	0.90	0.96	0.11	4	12.7	1E-115
IPI00514622	Ran-binding protein 6	O60518	0.98	1.17	1.11	1.09	0.10	10	11.4	2.84E-52
IPI00514705	WASH complex subunit FAM21C	Q9Y4E1-1			1.26	1.26		7	9.9	6.88E-49
IPI00514769	Ankyrin repeat domain-containing protein 28	O15084-2	0.98	1.55		1.26	0.40	4	6.1	5.29E-21
IPI00514832	RING finger protein 109	Q9BRZ2-1	1.76			1.76		2	5.4	4.2E-205
IPI00514856	Protein NICE-4	Q14157-2	1.35	1.01	0.97	1.11	0.21	15	22.3	0
IPI00514863	cDNA FLJ58025, highly similar to Homo sapiens mitochondrial translational release factor 1-like (MTRF1L), mRNA	B4DMX1		0.87		0.87		2	7.6	0.016899
IPI00514926	Guanylate kinase 1	B1ANH2	1.94	1.12		1.53	0.58	4	11.8	3.95E-06
IPI00514951	Golgi phosphoprotein 3-like	Q5T5I6		1.11	0.99	1.05	0.08	3	9.1	5.82E-30

IPI00515119	Heat shock protein 90kDa alpha (Cytosolic), class B member 1	Q5T9W5	0.94	0.99		0.96	0.04	16	73.5	0
IPI00549189	Endopeptidase 24.15	P52888	1.00	1.02	1.03	1.02	0.01	19	28.9	1.6E-253
IPI00549205	DNA repair protein RAD50	Q92878-2	1.07	1.00	1.11	1.06	0.05	9	10.2	7.6E-270
IPI00549232	Fibronectin type-III domain-containing protein 3A	Q9Y2H6-1			1.10	1.10		2	2.8	2.12E-13
IPI00549248	Nucleolar phosphoprotein B23	P06748-1	0.99	0.85	0.84	0.89	0.08	21	61.9	0
IPI00549296	SAP30-binding protein	Q9UHR5-1		1.29		1.29		2	7.8	8.29E-08
IPI00549343	Cellubrevin	Q15836	1.18	1.21	1.21	1.20	0.02	7	50	0
IPI00549361	Polyamine-modulated factor 1	Q6P1K2-1	0.97		0.89	0.93	0.06	3	17.1	1.07E-78
IPI00549381	39S ribosomal protein L1, mitochondrial	Q9BYD6	0.95	0.75	0.82	0.84	0.10	7	25.8	3.3E-149
IPI00549389	Methyltransferase-like protein 11A	Q9BV86	0.85	0.90	0.95	0.90	0.05	5	18.8	6.83E-65
IPI00549434	Septin-8	Q92599-1	1.17	1.27	1.44	1.29	0.14	6	14.1	2.92E-51
IPI00549467	Nitrilase homolog 2	Q9NQR4	0.91	1.03	1.04	0.99	0.07	9	43.5	2.6E-156
IPI00549516	Target of EGR1 protein 1	Q96GM8	1.02	1.08	0.90	1.00	0.09	4	12.9	2.86E-35
IPI00549540	p21-activated protein kinase-interacting protein 1	Q9NWT1		0.91	1.02	0.97	0.07	2	6.6	4.97E-24
IPI00549564	Acetoacetyl-CoA synthetase	Q5QPH3		1.58		1.58		3	4.9	1.3E-31
IPI00549664	Testis-expressed sequence 10 protein	Q9NXF1	0.95	1.15	0.88	0.99	0.14	7	9.7	6.7E-124
IPI00549672	26S proteasome non-ATPase regulatory subunit 13	Q9UNM6	1.01		1.08	1.05	0.05	20	51.5	0
IPI00549725	BPG-dependent PGAM 1	P18669	1.09	0.97	0.96	1.01	0.07	18	62.2	0
IPI00549736	Activating signal cointegrator 1 complex subunit 2	Q9H1I8-1	0.84	1.33	0.87	1.01	0.28	3	5.3	0.000391
IPI00549761	Asparagine-linked glycosylation protein 1 homolog	Q9BT22			0.98	0.98		1	2.8	0.000299
IPI00549766	Protein FAM40A	Q5VSL9-1	0.99	1.22	1.25	1.15	0.14	5	8.2	2.42E-42
IPI00550020	Parathyrosin	P20962	1.37	0.84	1.36	1.19	0.30	4	23.5	1.21E-20
IPI00550021	60S ribosomal protein L3	P39023	0.87	0.93	0.89	0.90	0.03	23	50.6	9.8E-242
IPI00550037	28S ribosomal protein S15, mitochondrial	P82914	1.01	0.86	0.94	0.94	0.08	9	24.5	1.78E-19
IPI00550069	Placental ribonuclease inhibitor	P13489	0.92	1.19	1.13	1.08	0.14	28	76.1	0
IPI00550165	Dehydrogenase/reductase SDR family member 7B	Q6IAN0	1.07	1.19	1.20	1.15	0.07	3	9.2	1.9E-65
IPI00550181	Charged multivesicular body protein 2b	Q9UQN3	1.14	1.30	1.09	1.18	0.11	5	22.5	5.75E-45

IPI00550191	Hepatocellular carcinoma-associated antigen 59	Q9NZ63	1.08			1.08		3	10.7	1.02E-09
IPI00550192	Aminopeptidase P3	Q9NQH7-1	0.89	1.01	1.04	0.98	0.08	3	10.1	4.2E-74
IPI00550234	Actin-related protein 2/3 complex subunit 5	O15511-1	1.02	1.17	1.20	1.13	0.10	11	72.8	9.3E-198
IPI00550239	Histone H1	P07305	1.03	1.11	1.21	1.12	0.09	6	29.4	1.57E-54
IPI00550364	Glucose phosphomutase 2	Q96G03	0.77	1.01	1.03	0.94	0.14	17	30.6	2.2E-93
IPI00550380	Transmembrane protein 160	Q9NX00			0.84	0.84		2	16	0.001102
IPI00550440	Transmembrane protein C2orf18	Q8N357	0.85	0.96		0.90	0.08	1	3.2	4.35E-10
IPI00550451	Serine/threonine-protein phosphatase PP1-alpha catalytic subunit	P62136	0.83	1.09	1.09	1.00	0.15	19	53	0
IPI00550477	Evolutionarily conserved G-patch domain-containing protein	Q9BRR8			1.02	1.02		2	5.3	6.67E-12
IPI00550523	Atlastin-3	Q6DD88-1	0.91	1.13	1.26	1.10	0.18	14	36.4	7.6E-264
IPI00550655	Ovarian cancer-related protein	Q9Y657	1.16	1.36	1.24	1.25	0.11	7	38.2	8.12E-58
IPI00550689	UPF0027 protein C22orf28	Q9Y310	0.86	1.08	1.06	1.00	0.12	22	55.2	2.6E-248
IPI00550746	Nuclear distribution protein C homolog	Q9Y266	1.06	0.92	0.93	0.97	0.08	18	46.8	2.8E-134
IPI00550766	Novel nuclear protein 1	P56182	0.74	0.92	0.88	0.85	0.10	6	15.8	4.43E-92
IPI00550781	PRKR-interacting protein 1	Q9H875	1.53		1.19	1.36	0.24	2	10.3	0.001338
IPI00550815	Proline-rich protein 14	Q9BWN1		0.82		0.82		1	1.4	0.010766
IPI00550854	Limitrin	Q9BRK3-1		1.44		1.44		1	2	0.002725
IPI00550882	Pyrroline-5-carboxylate reductase	B4DMU0	1.02	0.87	1.04	0.97	0.09	6	26.6	3.8E-109
IPI00550917	A6-related protein	Q6IBS0	1.24	1.25	1.14	1.21	0.06	13	46.4	3.8E-270
IPI00550977	Coiled-coil domain-containing protein 21	Q6P2H3-1			0.55	0.55		2	4.5	3.26E-53
IPI00550987	Centrosomal protein 4	Q66GS9-1	1.10			1.10		1	1	0.017129
IPI00550995	Nucleolar protein 17 homolog	Q9NWS0	1.02		1.04	1.03	0.01	3	16.2	1.4E-106
IPI00551002	cDNA FLJ55173, highly similar to Nuclear distribution protein nudE-like 1	B4DS41			1.43	1.43		3	7.5	4.37E-08
IPI00551024	ATP-dependent dihydroxyacetone kinase	Q3LXA3		1.56	1.40	1.48	0.11	5	12.9	1.16E-58
IPI00551062	CTG repeat protein 4a	Q9BT09-1	1.54	1.10	1.30	1.31	0.22	4	12.2	2.01E-87
IPI00552073	ATP-dependent RNA helicase #3	O60231	0.98	1.07	0.97	1.00	0.06	11	13.3	1.1E-117
IPI00552149	PHD finger protein 6	Q5JRC6	1.10	1.35	1.11	1.19	0.14	9	31.1	1.87E-76
IPI00552277	Ubiquitin-like 4A	Q5HY81		1.13	1.00	1.07	0.09	7	41.7	7.65E-33

IPI00552413	C-2K	P50750-2	0.89	1.14	1.07	1.04	0.13	8	17.4	3.2E-133
IPI00552452	Ubiquitin-like modifier activating enzyme 1	Q5JRS2		1.21	1.79	1.50	0.41	8	26.9	8E-115
IPI00552495	Phosphoribosyl pyrophosphate synthetase 1	B1ALA9	0.93	0.98		0.96	0.04	16	78.9	1.1E-163
IPI00552569	ATP-dependent helicase ERCC6-like	Q2NKX8	0.93	1.04	1.09	1.02	0.08	5	7.8	2.16E-94
IPI00552587	CKII beta-associating protein	Q8TAE8	0.96	0.81	0.87	0.88	0.08	6	32.4	2.25E-41
IPI00552634	Chromosome 20 open reading frame 27	Q5JX81	1.08	0.89	0.91	0.96	0.11	3	20.1	1.2E-130
IPI00552756	Translation initiation factor IF-3, mitochondrial	Q9H2K0		1.17		1.17		1	4	4.86E-06
IPI00552849	Protein FAM76B	Q5HYJ3-1	1.00			1.00		1	3.2	1.27E-23
IPI00552897	Mediator of DNA damage checkpoint protein 1	Q14676-1		0.97	0.79	0.88	0.13	4	4.7	3.58E-31
IPI00552920	Exosome complex exonuclease RRP43	Q96B26	0.92	0.94	0.95	0.94	0.02	4	24.6	7.13E-31
IPI00553067	Coiled-coil domain-containing protein 132	Q96JG6-1			0.66	0.66		2	3.2	2.41E-96
IPI00553080	Ubiquitously-expressed transcript	B1AJQ0	1.03			1.03		3	37	4.77E-34
IPI00553131	Galactowaldenase	Q14376	0.85		1.20	1.02	0.24	4	16.1	1E-114
IPI00553153	ATPase inhibitor, mitochondrial	Q9UII2	1.07	1.02		1.04	0.03	4	22.4	2.18E-12
IPI00553169	Putative uncharacterized protein FLNA	A6NDY9	0.96	1.00	1.00	0.99	0.02	139	68.9	0
IPI00553175	G patch domain-containing protein 6	Q8N5A5-1	0.90	1.08	1.17	1.05	0.14	2	5.5	2.32E-40
IPI00553185	CCT-gamma	P49368	0.84	0.97	0.92	0.91	0.06	36	62.2	0
IPI00553199	Rad51	Q6TAR4	0.75		0.95	0.85	0.14	3	8.2	5.4E-125
IPI00554436	Arginine/serine-rich-splicing factor 14	Q8IX01-3	1.17			1.17		4	6.3	4.71E-08
IPI00554481	4F2 cell-surface antigen heavy chain	P08195-4	0.71	0.81	0.97	0.83	0.13	8	16.9	3.03E-72
IPI00554521	Cell proliferation-inducing gene 15 protein	P02794	1.41	1.27	1.36	1.34	0.07	4	22.4	2.03E-22
IPI00554541	Acetolactate synthase-like protein	A1L0T0-1	0.93	1.00	1.25	1.06	0.16	6	14.6	2.48E-88
IPI00554560	Lysine-rich nucleolar protein 1	Q1ED39		2.50	1.10	1.80	0.99	3	10.3	4.82E-17
IPI00554589	Ferrochelatase	Q8NAN0	1.44	0.85	1.02	1.10	0.30	4	13.3	4.39E-34
IPI00554590	Rab3 GTPase-activating protein 150 kDa subunit	Q9H2M9-1	1.18	1.12	1.09	1.13	0.05	13	10.8	6.2E-39
IPI00554681	Complex I subunit B13	Q16718		1.13	1.06	1.10	0.05	5	44	9.97E-49
IPI00554701	Complex III subunit 9	Q9UDW1		0.84		0.84		1	27	6.86E-65
IPI00554705	dCMP deaminase	P32321-2	0.90	0.95	1.06	0.97	0.08	5	36	3.6E-178
IPI00554737	Medium tumor antigen-associated 61 kDa protein	P30153	0.90	1.06	1.03	1.00	0.09	32	57	0

IPI00554742	Antiapoptosis clone 11 protein	Q9BZZ5-2	1.01	1.12	1.03	1.06	0.06	21	44.2	2.5E-244
IPI00554761	High mobility group nucleosome-binding domain-containing protein 1	P05114		0.97		0.97		1	14	0.012515
IPI00554777	Asparagine synthetase [glutamine-hydrolyzing]	P08243	0.66	0.72	0.78	0.72	0.06	14	29.8	4.7E-208
IPI00554788	Cell proliferation-inducing gene 46 protein	P05783	0.88	1.04	1.02	0.98	0.09	18	38.6	3.4E-270
IPI00555565	Putative heat shock protein HSP 90-beta 4	Q58FF6	0.96	0.98		0.97	0.02	10	11.9	2.9E-161
IPI00555597	cDNA FLJ32471 fis, clone SKNMC2000322, highly similar to Peptidyl-tRNA hydrolase 2, mitochondrial (EC 3.1.1.29)	Q96ME4	0.96	0.90	0.95	0.94	0.03	5	35	1.5E-116
IPI00555647	Splicing factor, arginine/serine-rich 10 (Transformer 2 homolog, Drosophila) variant	Q59GA1	1.05	1.00	1.05	1.03	0.03	8	31.1	6.67E-94
IPI00555703	Transmembrane protein 41B	Q5BJD5-1	1.04	0.93	1.19	1.05	0.13	2	9.3	1.19E-40
IPI00555744	60S ribosomal protein L14	P50914	0.82	0.87	0.84	0.84	0.03	12	45.5	1.4E-304
IPI00555838	ELKL motif kinase 1	Q7KZI7-1			0.95	0.95		4	7.5	8.37E-08
IPI00555883	Dnm1p/Vps1p-like protein	O00429-2		1.17		1.17		38	63.6	0
IPI00555956	26 kDa prosomal protein	P28070	1.02	1.00	1.06	1.03	0.04	8	42.8	6.3E-213
IPI00555957	Heat shock 90 kDa protein 1 alpha-like 2	Q58FG1	1.00	0.98		0.99	0.02	5	13.2	1.29E-77
IPI00556027	BAG family molecular chaperone regulator 5	Q9UL15-2			0.90	0.90		2	7.6	5.53E-46
IPI00556369	61E3.4	Q96Q15-1	0.85	1.37	1.09	1.10	0.26	4	1.7	1.12E-25
IPI00556385	ADP-dependent glucokinase	Q9BRR6-1	1.05	0.54		0.80	0.36	5	16.1	6.4E-07
IPI00556430	Syntaxin 16 isoform a variant	Q59G13	1.10			1.10		2	6	5.13E-11
IPI00556451	Electron transfer flavoprotein subunit beta	P38117-2	0.93	1.05	1.05	1.01	0.07	17	48.6	2.8E-229
IPI00556494	Activator-recruited cofactor 36 kDa component	Q9NPJ6			0.66	0.66		5	26.7	3.57E-58
IPI00556528	Serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit epsilon isoform	B5BTZ7		1.16		1.16		3	7.3	0
IPI00556532	Putative uncharacterized protein TAF9	A8MSZ6	0.76			0.76		4	31.4	5.76E-09
IPI00556553	ATP-binding cassette sub-family B member 7, mitochondrial	O75027-2			1.00	1.00		2	4	0.010402
IPI00556594	Zinc finger CCHC domain-containing protein 8	Q6NZY4-1	0.75			0.75		4	11	7.33E-09
IPI00604464	Ubiquitin-protein ligase E3C	Q15386-1	0.96			0.96		4	4.2	3.42E-20
IPI00604523	Myosin regulatory light chain MRCL3 variant	Q53HL1	1.04	0.91	0.97	0.97	0.06	11	64.4	0
IPI00604527	Threonine--tRNA ligase	Q9BW92		0.68	0.70	0.69	0.01	5	8.9	7.85E-13
IPI00604566	DNA fragmentation factor 45 kDa subunit	O00273-2	0.93			0.93		4	25	4.66E-81

IPI00604590	Nucleoside diphosphate kinase	Q32Q12	0.94	1.01	0.98	0.98	0.03	16	66.1	7.6E-279
IPI00604598	Bifunctional arginine demethylase and lysyl-hydroxylase JMJD6	Q6NYC1-3	0.97	0.96	0.80	0.91	0.10	4	14	1.25E-70
IPI00604620	Nucleolin	P19338	1.07	0.81	0.91	0.93	0.13	46	43.8	0
IPI00604624	Amyotrophic lateral sclerosis 2 chromosomal region candidate gene 1 protein	Q9GZT8-1	0.93	0.70	1.11	0.91	0.21	5	17.2	2.36E-35
IPI00604647	HPK/GCK-like kinase HGK	O95819-3	1.15	1.08	0.85	1.03	0.16	7	6.6	1.06E-60
IPI00604664	NADH-ubiquinone oxidoreductase 75 kDa subunit	B4DJA0	0.83	0.98	1.05	0.95	0.11	15	30	9.3E-260
IPI00604756	Nuclear receptor-binding protein	Q9UHY1	1.09	1.16	1.18	1.14	0.05	8	19.4	5.15E-68
IPI00604759	Fumarylacetoacetate hydrolase domain containing 1	B1AK40	0.89	1.08	1.12	1.03	0.12	6	33.1	3.3E-119
IPI00607554	Deubiquitinating enzyme 47	Q96K76-1		1.19	1.20	1.19	0.00	6	6.3	5.73E-72
IPI00607584	Myb-binding protein 1A	Q9BQG0-2	0.92	0.88	0.80	0.87	0.06	22	20.9	4.6E-273
IPI00607685	Diadenosine 5,5-P1,P6-hexaphosphate hydrolase 2	Q9NZJ9-1	0.98		1.29	1.13	0.22	5	30.6	1.19E-23
IPI00607799	3-hydroxybutyrate dehydrogenase type 2	Q9BUT1-1	0.94	1.31	1.39	1.21	0.24	5	22	1.03E-58
IPI00607861	6-phosphogluconolactonase	O95479			1.50	1.50		2	4	1.02E-30
IPI00619921	Death-associated transcription factor 1	Q9BTC0-4	1.07	1.30		1.19	0.16	5	3.5	2.54E-27
IPI00619930	tRNA pseudouridine synthase A	Q9Y606-1	1.03		0.81	0.92	0.16	4	11.7	1.32E-49
IPI00639805	Glutathione S-transferase Mu 2	P28161		1.16		1.16		13	51.4	1.3E-104
IPI00639811	40 kDa Rab9 effector protein	Q7Z6M1-1		0.76	0.90	0.83	0.10	4	18.5	1.99E-16
IPI00639841	Delta(3),delta(2)-enoyl-CoA isomerase	O75521-1	0.92	1.09	1.11	1.04	0.11	7	30.5	5.3E-50
IPI00639925	Exportin-6	Q96QU8		1.21		1.21		4	4	2.02E-20
IPI00639931	Adenylyl cyclase-associated protein 1	Q01518-2			1.09	1.09		32	62.4	0
IPI00639957	Coactivator-associated arginine methyltransferase 1, isoform CRA_b	A6NN38	1.04	0.94	0.98	0.99	0.05	5	9.9	5.84E-52
IPI00639982	Putative uncharacterized protein DYNLT3	A6NGJ0		1.36	1.15	1.26	0.15	1	11.2	3.05E-56
IPI00640088	Casein kinase 2 beta polypeptide	Q5SRQ6	0.97	0.96	0.98	0.97	0.01	7	38	3E-219
IPI00640197	Tripeptidyl peptidase II	Q5VZU9	0.93	0.93	0.97	0.94	0.03	16	19.3	2.4E-129
IPI00640276	EF-hand domain-containing family member A1	Q8IYU8			0.86	0.86		2	5.3	4.41E-75
IPI00640316	Putative uncharacterized protein ZNF414	A8MY94		0.85	1.30	1.08	0.32	2	8.5	2.77E-44
IPI00640341	38 kDa FK506-binding protein	Q14318-1		1.14	1.24	1.19	0.07	9	27.2	1.4E-184



IPI00640416	NA		1.22			1.22		8	49.7	1.39E-40
IPI00640525	Carrier family 6, member 8 variant	Q59EV6	1.12	1.09	1.22	1.14	0.07	4	8.2	3.2E-146
IPI00640703	Exportin-5	Q9HAV4-1	0.73	0.88	0.90	0.84	0.09	17	17.6	1.4E-296
IPI00640747	Putative mitochondrial import inner membrane translocase subunit Tim23B	Q5SRD1		0.80		0.80		2	10.5	4.82E-42
IPI00640817	Adenylate kinase 1 variant	Q53EY8	1.23	1.14	1.18	1.18	0.05	13	41.9	7.3E-93
IPI00640818	Neuropathy target esterase	Q8IY17-1			1.05	1.05		2	2.4	3.17E-10
IPI00640833	Acidic (Leucine-rich) nuclear phosphoprotein 32 family, member E	Q5TB20	1.18	1.04		1.11	0.10	7	37.7	5.1E-213
IPI00640867	Putative uncharacterized protein GNAS	A6NI00		1.19		1.19		11	38.5	6.89E-81
IPI00641076	cDNA FLJ56056	B4DEQ9		0.71	0.95	0.83	0.17	3	3.7	2.95E-87
IPI00641124	cDNA FLJ55777, highly similar to DCN1-like protein 4	B4DH25		1.46		1.46		2	6.2	1.09E-05
IPI00641177	Protein FAM39A	Q9NQA3	1.24	1.29		1.26	0.04	4	12.1	3.55E-86
IPI00641181	Macrophage myristoylated alanine-rich C kinase substrate	P49006	1.64	1.08	1.06	1.26	0.33	2	14.4	2.13E-23
IPI00641330	E3 ubiquitin-protein ligase RING1	Q06587-1			1.22	1.22		1	3.4	9.58E-08
IPI00641364	Putative uncharacterized protein PPAN	C9J3F9	0.82		0.85	0.83	0.02	4	5	7.32E-38
IPI00641384	Protein transport protein Sec16A	O15027-1		1.54		1.54		4	4.4	6.2E-16
IPI00641523	PDZ domain-containing protein 11	Q5EBL8-2			1.24	1.24		2	19.9	1.82E-40
IPI00641582	BAG family molecular chaperone regulator 3	O95817	1.16	0.76	0.95	0.96	0.20	6	18.1	1.05E-44
IPI00641635	Alpha-ketoglutarate-dependent dioxygenase FTO	Q9C0B1-1	0.77		1.19	0.98	0.30	5	12.4	2.65E-43
IPI00641706	46 kDa protein		0.98	1.10	1.12	1.07	0.07	24	67.7	0
IPI00641788	U1 small nuclear ribonucleoprotein C	Q53G33	1.00	1.15		1.08	0.11	6	37.2	1.46E-21
IPI00641829	56 kDa U2AF65-associated protein	Q13838-2	0.98	0.98	1.04	1.00	0.04	20	50.1	0
IPI00641924	28S ribosomal protein S9, mitochondrial	P82933	0.90	0.91	0.84	0.89	0.04	6	15.7	6.3E-155
IPI00641973	HCLS1-associated protein X-1	O00165-2	1.04	0.80	0.77	0.87	0.15	4	16	4.98E-56
IPI00641990	Protein LAS1 homolog	Q9Y4W2-1	0.82	1.03	1.02	0.95	0.12	11	19.5	1.3E-147
IPI00642032	cDNA, FLJ94230, highly similar to Homo sapiens thioredoxin-like 1 (TXNL1), mRNA	B2R960	0.94	1.01	1.02	0.99	0.04	14	49.2	0
IPI00642105	Neuronal cell death-related protein 7	Q9HBM6	0.98			0.98		4	21.9	1.43E-07
IPI00642211	Aminopeptidase B	Q9H4A4		1.16	1.11	1.13	0.04	20	38.8	8E-164

IPI00642238	Heterochromatin protein 1-binding protein 3	Q5SSJ5-1	1.50	1.35	1.31	1.39	0.10	16	31.3	6E-128
IPI00642256	CapZ beta	P47756-2		1.07		1.07		24	65.1	1.7E-270
IPI00642259	230 kDa bullous pemphigoid antigen	Q5TBT2		0.95	2.32	1.64	0.97	9	1.9	4.2E-56
IPI00642329	Mitofusin-2	O95140-1		0.92	0.79	0.85	0.09	4	6.5	3.84E-30
IPI00642369	cDNA FLJ60364, highly similar to Stat3-interacting protein	B4DXP0			0.74	0.74		4	5.2	1.1E-53
IPI00642370	Mpv17-like protein 2	Q567V2-1	0.76	1.01	1.09	0.95	0.17	2	13.6	3.07E-12
IPI00642374	Ubiquitin carboxyl-terminal hydrolase L5	Q5LJA9	0.94	1.11	0.98	1.01	0.09	8	28.5	5.8E-127
IPI00642542	DJ639P13.2.2 (Acidic calponin 3)	Q9BWWY6	0.92			0.92		7	44.3	3.7E-250
IPI00642584	Uncharacterized protein KIAA0090	Q8N766-1	0.93	0.83	0.90	0.89	0.05	15	24.1	2.8E-134
IPI00642798	Nucleolar autoantigen No55	Q92791	1.20	1.19	1.13	1.17	0.04	4	8.7	1.01E-28
IPI00642816	Signal recognition particle 9 kDa protein	P49458	1.04	1.17	1.16	1.12	0.07	5	54.7	4.02E-71
IPI00642862	Cyclophilin-like protein PP14	Q8WUA2	0.90	1.14	1.02	1.02	0.12	9	23.8	1.12E-39
IPI00642904	PABPC4 protein	Q3B867	0.76	1.11	0.94	0.93	0.17	22	37.9	0
IPI00642971	Antigen NY-CO-4	P29692-2	0.91	0.85	0.83	0.86	0.04	14	25.2	0
IPI00642984	B-cell receptor-associated protein 31, isoform CRA_b	B3KQ79	1.16	1.00	1.17	1.11	0.09	14	27.2	7.3E-275
IPI00643152	cDNA FLJ56386, highly similar to Heat shock 70 kDa protein 1L	B4DI54			0.86	0.86		14	24.3	5.7E-293
IPI00643342	cDNA FLJ38560 fis, clone HCHON2003642, highly similar to Astrocytic phosphoprotein PEA-15	B1AKZ3	0.98	1.15	1.13	1.09	0.10	7	33.8	2.11E-43
IPI00643554	Regulator of G-protein signaling 10	O43665-3	1.13	1.02	0.98	1.05	0.08	8	47.5	9.7E-141
IPI00643591	cDNA FLJ30560 fis, clone BRAWH2004217, highly similar to AP-1 complex subunit gamma-1	B3KNW1	1.06	1.12	1.20	1.13	0.07	10	14.3	1.39E-55
IPI00643722	AT-rich interactive domain-containing protein 1A	O14497-1		1.36	0.99	1.17	0.26	9	6.5	1.4E-14
IPI00643747	Uncharacterized protein C22orf30	Q5THK1-1	1.16			1.16		1	0.8	0.004773
IPI00643920	cDNA FLJ54957, highly similar to Transketolase (EC 2.2.1.1)	B4DE31	1.00	1.09	1.13	1.07	0.07	32	51.7	0
IPI00643994	cDNA FLJ46245 fis, clone TESTI4020596, highly similar to Homo sapiens calpain 5 (CAPN5)	Q6ZRM8	0.90	1.17	1.36	1.14	0.23	4	7.6	1.52E-48
IPI00644008	ELAV (Embryonic lethal, abnormal vision, Drosophila)-like 2 (Hu antigen B)	B1AM49	1.03			1.03		3	8.5	9.13E-14
IPI00644127	Isoleucine--tRNA ligase	P41252	0.90	0.93	0.95	0.93	0.02	36	34.9	0

IPI00644231	Cytoplasmic FMR1-interacting protein 1	Q7L576-1	1.05	1.16	1.08	1.09	0.06	28	25.3	2.2E-168
IPI00644290	NDRG family member 3	Q5TH30	1.39	1.48	1.39	1.42	0.05	4	16.5	7.29E-40
IPI00644297	cDNA FLJ57529, highly similar to Helicase SKI2W (EC 3.6.1.-)	B4DM01		0.80		0.80		2	2.8	1.33E-16
IPI00644431	cDNA FLJ55484, highly similar to ATP-dependent RNA helicase DDX39 (EC 3.6.1.-)	B4DX78	0.84	0.98	0.98	0.93	0.08	15	36.2	2.8E-170
IPI00644482	Hepatocellular carcinoma-susceptibility protein 3	Q969U7	0.69	0.99	0.90	0.86	0.15	5	18.9	5.76E-21
IPI00644620	35 kDa protein		0.96			0.96		18	59.5	0
IPI00644674	Cytosolic Fe-S cluster assembly factor NUBP2	Q9Y5Y2		1.28	1.02	1.15	0.18	5	29.2	4.12E-73
IPI00644697	Heme-binding protein 2	Q9Y5Z4-1	1.77	1.12	1.25	1.38	0.34	5	27.6	2.97E-57
IPI00644708	cDNA FLJ75459	A8K4L9	0.98	1.19	1.02	1.07	0.11	5	13.3	1.63E-42
IPI00644712	70 kDa subunit of Ku antigen	P12956	1.03	1.04	1.11	1.06	0.04	40	56	0
IPI00644775	Chronic myelogenous leukemia tumor antigen 28	Q9NQT4	0.95	1.27	0.95	1.06	0.19	5	24.6	3.04E-40
IPI00644982	Novel enoyl-CoA hydratase/isomerase family protein	Q5TEG3			1.10	1.10		4	40.4	1.69E-17
IPI00645078	Protein A1S9	P22314	1.01	1.11	1.10	1.08	0.06	41	43	0
IPI00645303	Sorting nexin-27	Q96L92-1		1.41	1.04	1.22	0.26	4	7.6	2.26E-06
IPI00645452	cDNA FLJ50617, highly similar to Tubulin beta-7 chain	B4DQN9	1.05	1.09	1.13	1.09	0.04	30	75.4	0
IPI00645608	Interferon regulatory factor 2-binding protein 1	Q8IU81	1.25	1.16	0.94	1.12	0.16	4	13.9	1.6E-18
IPI00645702	CTP synthase 2	Q9NRF8	1.10	1.24	1.11	1.15	0.08	6	13.1	3.37E-16
IPI00645782	cDNA FLJ58300, highly similar to Seryl-tRNA synthetase, mitochondrial (EC 6.1.1.11)	B4DXB9		1.21	2.56	1.88	0.95	6	16.2	2.5E-103
IPI00645849	Extracellular matrix protein 1	Q16610-4	1.92	1.58	1.59	1.70	0.20	4	12.2	2.03E-24
IPI00646015	Acyl-CoA thioester hydrolase 9	Q9Y305-1	0.94	1.02	1.01	0.99	0.05	9	23	2.45E-31
IPI00646058	SAFB protein	A0AV56	1.29	0.92	0.90	1.03	0.22	13	19.4	1.87E-79
IPI00646086	60S ribosomal protein L39	C9JB44	0.83		0.81	0.82	0.02	1	10.1	2.66E-05
IPI00646105	Pyrroline-5-carboxylate reductase 3	Q53H96	0.82	1.07	0.92	0.94	0.12	6	32.5	2.58E-69
IPI00646182	cDNA FLJ55427, highly similar to Sodium/potassium-transporting ATPase alpha-1 chain (EC 3.6.3.9)	B7Z2T5	1.04	0.91	1.10	1.02	0.09	29	34.5	0
IPI00646240	Histone H2B	B4DR52			1.05	1.05		12	47	4.7E-159
IPI00646304	Cyclophilin B	P23284	0.96	1.07	1.13	1.05	0.09	19	65.7	0

IPI00646350	Putative uncharacterized protein NAE1	A6NCK0	1.05	1.03	1.01	1.03	0.02	14	28.5	8.9E-142
IPI00646361	214 kDa nucleoporin	P35658-5	1.19	1.14	0.83	1.05	0.20	10	8.9	7.2E-171
IPI00646377	eIF-4-gamma II	O43432-1	0.89	0.85	0.69	0.81	0.11	9	5.6	1.69E-58
IPI00646493	Alpha-coat protein	P53621-2	0.89		0.95	0.92	0.04	42	39.6	0
IPI00646500	Replication factor A protein 2	P15927-3	1.26	1.22	1.11	1.20	0.08	6	22.9	2.09E-43
IPI00646512	cDNA FLJ77317, highly similar to Homo sapiens retinoblastoma binding protein 7 (RBBP7), mRNA	A8K6A2		1.18		1.18		11	35.2	2.96E-93
IPI00646556	NADH dehydrogenase [ubiquinone] flavoprotein 2, mitochondrial	P19404	0.90	0.93	0.87	0.90	0.03	7	33.3	9.1E-161
IPI00646689	14 kDa thioredoxin-related protein	Q9BRA2	0.94	1.05	0.94	0.98	0.07	4	38.2	6.39E-40
IPI00646748	Tropomyosin 2 (Beta)	Q5TCU3			0.70	0.70		39	83.1	0
IPI00646762	Putative uncharacterized protein NUDT5	A6NFX8	0.96	0.94	0.99	0.96	0.02	7	25.9	2.6E-138
IPI00646779	Tubulin beta-6 chain	Q9BUF5	1.09	1.01	1.18	1.09	0.09	24	62.4	0
IPI00646811	Zinc finger protein 185 variant 692	B8K2M2			1.14	1.14		8	18.5	2.1E-41
IPI00646857	Metaxin-3	Q5HYI7-1		1.08		1.08		2	6.4	4.24E-06
IPI00646885	p190-B	Q13017-1		1.15	1.56	1.35	0.29	1	1	0.0013
IPI00646899	Putative uncharacterized protein RPL10	C9J7T6	0.70			0.70		13	60.7	0
IPI00646917	Cleavage and polyadenylation specificity factor 25 kDa subunit	O43809	1.08	1.01	1.10	1.06	0.05	14	51.5	8.3E-99
IPI00646954	Protein enabled homolog	Q8N8S7-2	0.82	0.90	0.86	0.86	0.04	11	19.3	1.2E-106
IPI00647067	Neural polypyrimidine tract-binding protein	Q9UKA9-2	1.22			1.22		2	7.1	1.35E-64
IPI00647082	TBC1 domain family, member 13	A7E2E7	1.17	1.58	1.07	1.27	0.27	4	15.8	4.28E-80
IPI00647163	Transcription elongation factor A protein-like 4	Q96EI5-2	1.80		1.26	1.53	0.38	1	5.9	2.73E-09
IPI00647185	Centrosomal protein 170kDa	B1ARM6	1.02			1.02		7	6.2	6.13E-31
IPI00647217	ATP-dependent helicase SKIV2L2	P42285	0.86	1.02	0.89	0.92	0.08	17	20.2	5.09E-68
IPI00647286	C9orf88 variant protein	Q4LE55	1.05	1.23	1.10	1.12	0.09	22	44	2.1E-272
IPI00647389	EH domain-binding mitotic phosphoprotein	Q9Y6I3-2	1.93	1.13	1.05	1.37	0.49	8	22.8	1.8E-192
IPI00647400	Putative uncharacterized protein RNPEP	A6NKB8	1.27			1.27		18	38.6	3E-186
IPI00647491	Mitochondrial ribonuclease P protein 3	O15091-1			0.98	0.98		1	2.4	6.79E-33
IPI00647650	cDNA FLJ35809 fis, clone TESTI2006016, highly similar to Eukaryotic translation initiation factor 3 subunit 3	B3KS98	0.82	1.06	0.97	0.95	0.12	10	32.5	3.6E-236

IPI00647655	DNA polymerase	A6NMQ1	1.20	0.78	0.96	0.98	0.21	6	5.1	1.93E-36
IPI00647762	TCF3 protein	Q2TB39		1.17	0.94	1.06	0.16	3	4.9	9.34E-13
IPI00647837	cDNA FLJ61310, highly similar to Zinc finger protein 185	B4DLE9	1.18			1.18		6	16.4	4.41E-56
IPI00647892	Discs large homolog 7	Q15398-2	0.89	1.38	1.04	1.10	0.25	6	12.9	4.06E-76
IPI00647915	SM22-alpha homolog	P37802	1.04	0.94	1.00	0.99	0.05	21	75.9	0
IPI00651738	1,2-dihydroxy-3-keto-5-methylthiopentene dioxygenase	Q9BV57-1	1.25	1.99	1.88	1.71	0.40	6	39.1	1.44E-25
IPI00654555	Nucleolar protein 1	P46087-1	0.89	0.81	0.83	0.84	0.04	21	29.7	0
IPI00654582	Toll interacting protein variant	Q59FB9	1.04	1.48	1.43	1.32	0.24	4	10.8	2.28E-15
IPI00654605	Arginine/proline-rich coiled-coil domain-containing protein 1	Q3KQU3-1	1.04	1.16	0.99	1.07	0.09	20	26.5	7.3E-141
IPI00654777	cDNA FLJ36192 fis, clone TESTI2027450, highly similar to Eukaryotic translation initiation factor 3 subunit 5	B3KSH1	0.81	0.85	0.82	0.82	0.02	9	26.6	3.4E-176
IPI00654820	ATP synthase subunit a	P00846	0.92		1.03	0.98	0.08	1	4.2	4.32E-05
IPI00654843	Eukaryotic translation initiation factor 2B, subunit 4 delta, 67kDa, isoform CRA_e	Q53RY7			0.95	0.95		6	14.2	1.7E-106
IPI00655631	DNA polymerase	Q308M6	0.92		1.01	0.97	0.06	16	19.2	8.8E-112
IPI00655650	40S ribosomal protein S26	P62854	0.83	0.97	0.91	0.90	0.07	2	20.9	5.33E-48
IPI00655704	cDNA FLJ53961, highly similar to Pyruvate dehydrogenase (lipoamide) kinase isozyme 1 (EC 2.7.11.2)	B7Z937	1.21			1.21		3	8.6	2.38E-13
IPI00656021	Vacuolar protein sorting-associated protein 53 homolog	Q5VIR6-1	1.00	1.36	1.19	1.19	0.18	2	4.3	7.72E-60
IPI00657648	Mammalian ependymin-related protein 1	Q9UM22-2	0.92	1.14	1.42	1.16	0.25	3	8.7	1.9E-40
IPI00657692	cDNA FLJ39535 fis, clone PUAEN2005502, highly similar to Goodpasture antigen-binding protein (EC 2.7.11.9)	B3KUB7		1.40		1.40		4	7.7	8.71E-17
IPI00657700	Putative uncharacterized protein GART	C9JKQ7	0.97	1.27		1.12	0.21	6	63	1.05E-28
IPI00657752	Putative uncharacterized protein CD81	A6NMMH8	2.06	1.52	1.25	1.61	0.42	3	21.5	0
IPI00657805	5-3 exoribonuclease 1	Q8IZH2-1	1.10			1.10		3	2.5	0.000174
IPI00657888	GDP-mannose pyrophosphorylase A	Q96IJ6-2	1.03	1.11	1.10	1.08	0.05	9	26.2	3E-121
IPI00657953	PTPRF-interacting protein	O75962-1			0.72	0.72		5	2.2	1.74E-11
IPI00657962	110 kDa centrosomal protein	Q7Z7A1-1			0.95	0.95		4	1.2	0.016477

IPI00658000	IGF-II mRNA-binding protein 3	O00425-1	0.98	1.17	1.11	1.09	0.09	18	36.3	0
IPI00658023	Protein-tyrosine phosphatase 1D	Q06124-1	0.93	1.06	1.01	1.00	0.07	15	32	0
IPI00658115	Putative uncharacterized protein C2orf43	B5MDU6	0.80	0.98		0.89	0.13	2	6.5	9.86E-82
IPI00658145	HEAT repeat-containing protein C7orf27	Q6PJG6-1			0.84	0.84		3	5.6	1.08E-06
IPI00658155	28S ribosomal protein S34, mitochondrial	P82930	1.04	0.83	0.88	0.92	0.11	8	41.8	2.61E-46
IPI00658210	p80	Q8TAF3-1		1.26	1.27	1.26	0.00	4	7.2	1.45E-53
IPI00718888	Phosphoribosyl pyrophosphate synthase II	P11908-2	1.02	1.10	1.02	1.04	0.05	12	45.5	1.6E-140
IPI00719040	Uncharacterized protein C1orf77	Q9Y3Y2-3	1.18	1.16	1.22	1.18	0.03	4	20.9	1E-199
IPI00719051	Exocyst complex component 5	O00471	0.82	1.17	1.14	1.05	0.20	6	10	4.48E-11
IPI00719079	Parkinson disease 7 domain-containing protein 1	Q8NB37-2	1.05	1.30	1.50	1.28	0.23	3	15.2	1.4E-21
IPI00719178	ATP-binding cassette sub-family C member 1	P33527-9	1.38	0.82	1.11	1.10	0.28	2	2	6.1E-30
IPI00719210	HAUS augmin-like complex subunit 6	Q7Z4H7-1	0.92	1.21	0.95	1.03	0.16	7	11.1	2.63E-36
IPI00719285	Putative uncharacterized protein CIT	A8MWQ3	1.28	1.30	1.24	1.28	0.03	5	3.3	1.54E-79
IPI00719622	40S ribosomal protein S28	P62857	0.75	0.85	0.77	0.79	0.06	6	56.5	2.7E-134
IPI00719680	Adapter-related protein complex 3 subunit delta-1	O14617-5	1.03	0.88	1.08	0.99	0.10	12	15.7	6.7E-154
IPI00719725	SAPS domain family member 3	Q5H9R7-5	0.84	0.93		0.89	0.06	8	14.6	1.5E-136
IPI00719752	eIF3 p110	P55884-2	0.90	0.86	0.93	0.89	0.04	25	38	0
IPI00719821	SAPS domain family member 3	Q5H9R7-1			0.89	0.89		9	15.2	9.23E-62
IPI00735288	Non-homologous end-joining factor 1	Q9H9Q4-2		0.94	1.09	1.02	0.11	2	12	5.36E-12
IPI00736813	Protein YIF1B	Q5BJH7-1	0.89	0.70	1.03	0.87	0.17	2	12.1	6.14E-45
IPI00737251	Interferon regulatory factor 3 nirs variant 1	Q5FBY4		1.17	1.03	1.10	0.09	3	10	4.32E-21
IPI00739099	Collagen alpha-2(V) chain	P05997	2.36	1.13	1.47	1.65	0.64	9	10.5	2.7E-142
IPI00739117	BAT2 domain-containing protein 1	Q9Y520-4	1.09	0.82		0.96	0.20	16	8	1.59E-64
IPI00739940	ALL1-fused gene from chromosome 4p12 protein	O94915-1	0.84	1.08		0.96	0.17	4	1.6	2.84E-21
IPI00740545	POTE ankyrin domain family, member I			0.07	0.22	0.15	0.11	10	9.6	3.61E-93
IPI00741970	Zinidin variant	Q59GV6	1.52	1.17	0.59	1.09	0.47	5	8.2	1.31E-08
IPI00742124	UBX domain-containing protein 7	O94888	1.09	1.20	1.15	1.14	0.06	7	18.2	5.7E-103
IPI00742670	Aromatic esterase 2	Q15165-2	1.08			1.08		2	6.7	2.08E-78
IPI00742682	Nucleoprotein TPR	P12270	1.13	0.96	1.00	1.03	0.09	53	27.7	0

IPI00742743	Tumor suppressor p53-binding protein 1	Q12888-2	1.12	0.97	0.98	1.03	0.08	12	10.3	3.49E-97
IPI00742943	Nucleoporin Nup43	Q8NFH3	0.86	1.16	0.85	0.96	0.18	3	10.8	1.32E-83
IPI00742996	RING finger protein 214	Q8ND24	1.02	1.24		1.13	0.16	3	7.4	4.07E-09
IPI00743284	5-methyltetrahydrofolate--homocysteine methyltransferase	Q99707	0.72	0.80	0.84	0.79	0.06	6	5.7	1E-54
IPI00743293	Neuroendocrine-specific protein-like 2	O95197-1	1.02	1.20	1.61	1.28	0.30	3	2.6	1.26E-05
IPI00743429	cDNA FLJ58962, moderately similar to Mus musculus a disintegrin and metallopeptidase domain 3 (cyritlestin) (Adam3), mRNA	B4DY53			0.92	0.92		1	6.8	0.015364
IPI00743503	Aw-34	P30453		1.24		1.24		10	35.6	1.5E-193
IPI00743594	cDNA FLJ57190, highly similar to Actin-binding protein anillin	B4DSL6	0.62	1.12	1.09	0.94	0.28	18	21.5	4.7E-151
IPI00743663	E3 ubiquitin-protein ligase TRAF6	Q9Y4K3		1.95	1.23	1.59	0.51	2	4.4	2.31E-10
IPI00743696	Arresten	P02462-1			1.17	1.17		2	2.4	0.000335
IPI00743772	COMM domain-containing protein 7	Q86VX2-1	1.08		0.85	0.97	0.16	2	13.5	3.36E-19
IPI00743862	Proteasomal ATPase-associated factor 1	Q9BRP4-1		1.05	1.16	1.11	0.08	3	9.4	3.6E-13
IPI00743871	Integrator complex subunit 7	Q9NVH2-1		0.88	1.11	1.00	0.16	2	3	4E-111
IPI00743879	Kinesin light chain 4	Q9NSK0-3	1.27			1.27		4	8.8	6.14E-10
IPI00743931	Golgi phosphoprotein 6	Q9H8Y8-2	1.09	1.00	0.97	1.02	0.06	10	24.4	1.3E-177
IPI00744015	Cytoplasmic dynein 1 intermediate chain 2	Q13409-1	0.98	1.02		1.00	0.03	11	16.6	1.7E-129
IPI00744139	HSPA12B protein	Q5BKZ8	1.19	1.30	1.26	1.25	0.05	10	17.8	8.18E-32
IPI00744211	eIF4E-like protein 4E-LP	O60573	1.02	1.25	1.02	1.10	0.14	5	27.3	1.18E-30
IPI00744319	Protein PRRC1	Q96M27-2	1.06	1.17	1.04	1.09	0.07	4	9.9	2.82E-81
IPI00744637	FYVE-finger protein EIP1	Q96T51-1	1.36	1.07	1.11	1.18	0.16	6	13.3	1.04E-90
IPI00744692	Transaldolase	P37837	1.08	1.04	1.13	1.08	0.04	23	47.8	1.7E-251
IPI00744702	CIN85/CD2AP family-binding protein	Q96EY5-1	1.19	1.51	1.08	1.26	0.22	2	12.1	3.01E-70
IPI00744711	3-5 RNA exonuclease OLD35	Q8TCS8	1.15	0.75	0.78	0.89	0.22	11	14.4	8.69E-50
IPI00744834	Syntaxin-5	Q13190-1	0.93	1.18	0.93	1.01	0.15	4	18.9	8.8E-165
IPI00744851	cDNA FLJ54188, moderately similar to High mobility group protein HMG-I/HMG-Y	B4DWA0		1.01		1.01		3	12.5	2.12E-16
IPI00744858	Pre-mRNA-splicing factor ISY1 homolog	Q9ULR0-1	1.17	1.06	1.09	1.11	0.06	5	19.6	9.2E-163
IPI00745105	UPF0585 protein C16orf13	Q96S19-1	1.18	1.27	1.22	1.22	0.04	3	16.2	1.11E-37

IPI00745125	Acyl-coenzyme A:cholesterol acyltransferase 1	P35610			0.82	0.82		3	6.9	3.35E-06
IPI00745406	Cancer/testis antigen 89	O60271-1	0.91		1.02	0.96	0.08	22	21.3	0
IPI00745433	Eukaryotic translation initiation factor 2C 2	Q9UKV8-1			1.04	1.04		3	5.7	1.69E-09
IPI00745568	Putative MAPK-activating protein PM10	O75663-1	0.91	1.23	1.14	1.09	0.16	9	34.2	1.68E-47
IPI00745613	Exosome complex exonuclease RRP41	Q9NPD3	0.97	0.89	1.00	0.95	0.06	5	24.9	4.11E-62
IPI00745792	NmrA-like family domain-containing protein 1	Q9HBL8		1.09		1.09		2	6.3	1.18E-09
IPI00745793	G2/mitotic-specific cyclin-B1	P14635	0.71	1.24	1.04	1.00	0.26	7	17.6	1.4E-142
IPI00745868	35-alpha calcimedlin	A6NLK4	0.94	1.21	1.12	1.09	0.14	13	41.5	6.1E-188
IPI00745921	RING finger protein 126	Q9BV68-1	0.99		0.95	0.97	0.03	3	14.1	0.002123
IPI00746004	40S ribosomal protein S27-like	Q71UM5	0.84	1.07	1.02	0.98	0.12	5	40.5	3.36E-35
IPI00746165	Actin-interacting protein 1	O75083-1	0.89	1.02	1.05	0.98	0.08	30	56.4	0
IPI00746221	Protein FAM195B	C9JLW8	1.08	0.96	0.95	0.99	0.07	3	41.2	4.92E-21
IPI00746351	Exosome complex exonuclease RRP44	Q9Y2L1-1	0.93	0.96	1.03	0.97	0.05	8	11.4	2.8E-105
IPI00746360	Protein Ric-8A	Q9NPQ8-1		0.97	0.94	0.95	0.02	13	28.7	6.5E-285
IPI00746412	CTD-associated SR protein 11	Q99590-1			1.06	1.06		2	1.4	0.000663
IPI00746655	Extended synaptotagmin-1	Q9BSJ8-2	1.08	1.10	1.15	1.11	0.04	24	26.9	0
IPI00746777	Alcohol dehydrogenase 5	P11766	1.00	1.07	1.08	1.05	0.05	14	35.3	1.1E-213
IPI00746934	600 kDa retinoblastoma protein-associated factor	Q5T4S7-2	1.08	0.86	0.93	0.96	0.11	28	8.3	2E-243
IPI00747053	Basic transcription factor 2 89 kDa subunit	P19447		1.26		1.26		1	1.5	0.002257
IPI00747077	RUN and TBC1 domain-containing protein 2	Q2NKQ1-1	7.68			7.68		2	1.5	0.023056
IPI00747319	HBV preS1-transactivated protein 1	Q6DTV5		1.16		1.16		2	5.2	4.85E-17
IPI00747478	Methylmalonic aciduria and homocystinuria type D protein, mitochondrial	A6NHZ2	0.61			0.61		2	9.1	1.9E-08
IPI00747764	Importin subunit alpha-7	O60684	0.87	1.12	1.11	1.03	0.14	13	25.7	5.7E-271
IPI00747787	Condensin-2 complex subunit D3	P42695			0.50	0.50		2	2.5	4.66E-07
IPI00747810	FSCN1 protein	Q96IH1	0.84	1.05	1.03	0.97	0.12	25	55	0
IPI00747849	Sodium/potassium-dependent ATPase subunit beta-1	P05026-1	0.88	1.04	0.94	0.96	0.08	4	22.1	2.83E-23
IPI00748093	Five-pass transmembrane protein localizing in the Golgi apparatus and the endoplasmic reticulum 5	Q969M3-3	0.54		1.12	0.83	0.41	1	4.5	2.33E-15
IPI00748145	Adenylate cyclase-inhibiting G alpha protein	P04899-1	1.14	1.42	1.40	1.32	0.16	18	59.2	0



IPI00748151	Endoplasmic reticulum lectin 1	Q96DZ1-1	1.26	1.17	1.44	1.29	0.14	5	12	3.73E-23
IPI00748244	Cancer/testis antigen 89	O60271-7	1.38	0.91	0.94	1.08	0.26	17	45.9	0
IPI00748256	Putative uncharacterized protein PSME1	A6NJG9	1.31			1.31		12	47.6	2.1E-164
IPI00748360	Uncharacterized protein KIAA1797	Q5VW36	0.79	0.78	0.84	0.80	0.03	3	2.9	2.8E-08
IPI00748472	Protein KIAA0196 variant	Q53EL1	1.10	1.28	1.12	1.17	0.10	8	8.5	5.14E-83
IPI00748490	cDNA FLJ36765 fis, clone 3NB691000191	B3KSP9	0.77	0.73	0.95	0.82	0.12	5	12.8	2.69E-35
IPI00748502	Cartilage-associated protein	O75718	1.03	1.22	1.24	1.16	0.11	9	24.9	9.8E-113
IPI00748700	DNA replication complex GINS protein PSF3	Q9BRX5-1	1.23	1.01	1.05	1.10	0.12	10	49.1	0
IPI00748807	160 kDa nucleoporin	Q12769-1	0.95	1.09	1.14	1.06	0.10	10	9.4	2.05E-87
IPI00748891	Protein FAM177A1	Q8N128-2	0.73		1.02	0.88	0.20	2	9.3	0.000103
IPI00749013	Ubiquitin carrier protein D3	P61077-2		1.01	0.97	0.99	0.03	2	14.2	0.00013
IPI00749454	Cell migration-inducing gene 2 protein	Q14699	0.94	1.01	0.64	0.86	0.20	5	8.8	1.7E-119
IPI00759481	HMG2e	Q1M183		1.12		1.12		2	24.5	3.32E-19
IPI00759532	Ankycorbin	Q9P0K7-1			0.99	0.99		10	13.3	3.81E-63
IPI00759542	Connectin	Q8WZ42-8		1.02	1.19	1.11	0.12	6	0.1	0.000595
IPI00759562	Alkylated DNA repair protein alkB homolog 5	Q6P6C2-1	1.10		1.30	1.20	0.14	1	6.3	3.1E-33
IPI00759601	Nuclear distribution protein nudE homolog 1	Q9NXR1-1	1.32	1.37		1.34	0.03	4	14.5	1.29E-39
IPI00759776	Alpha actin 1	A1L0V1	0.73			0.73		67	71.2	0
IPI00759799	HBeAg-binding protein 2 binding protein A	Q1HDL3			1.22	1.22		1	3.3	0.002028
IPI00760554	Aw-69	P10316		1.19	1.17	1.18	0.01	11	41.1	4.9E-266
IPI00760715	Calpain inhibitor	P20810-5		1.44	1.24	1.34	0.15	23	54.4	0
IPI00760837	Putative uncharacterized protein FAM98B	A8MUW5	1.14	1.14	1.15	1.14	0.01	5	15	4.73E-89
IPI00760846	Molecule associated with JAK3 N-terminus	Q92614-1	1.02	0.98	1.49	1.16	0.28	4	3.1	3.02E-46
IPI00760940	Hepatopoietin PCn127	Q1AHP8			1.07	1.07		6	22.9	2.2E-241
IPI00761017	Androgen receptor coactivator 55 kDa protein	O43294-1	0.56	0.95	1.03	0.85	0.25	10	25.8	1.33E-84
IPI00761082	Centromere protein V	Q7Z7K6-1	1.09	0.89	0.98	0.98	0.10	4	25.1	1.97E-73
IPI00761160	Calpain inhibitor	P20810-6	1.70			1.70		23	44.1	0
IPI00782950	nPKC-D1	Q15139	0.69	1.17	1.03	0.96	0.25	3	4	4.07E-14
IPI00782965	Huntingtin-interacting protein 1	O00291	1.07	0.86	1.02	0.98	0.11	5	6.8	1.61E-67
IPI00782974	Protein ELG	Q53F19-1		1.02	1.04	1.03	0.01	2	4.2	7.49E-17

IPI00782992	300 kDa nuclear matrix antigen	Q9UQ35-1	1.03	0.78	0.85	0.89	0.13	15	8.9	1.6E-86
IPI00783001	Methyltransferase 5 domain-containing protein 1	A6NJ78-1	0.87			0.87		3	12	3.09E-24
IPI00783004	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase beta-4	Q15147-4	0.65	0.12		0.39	0.37	2	2.8	7.42E-27
IPI00783097	Diadenosine tetraphosphate synthetase	P41250	0.81	0.95	0.97	0.91	0.09	27	42.2	0
IPI00783118	5-nucleotidase domain-containing protein 2	Q9H857-2	1.10	1.43	1.13	1.22	0.18	3	6.5	9.33E-30
IPI00783133	Methyltransferase-like protein 14	Q9HCE5			1.26	1.26		2	8.1	2.23E-16
IPI00783185	Coiled-coil domain-containing protein 150	Q8NCX0-1			1.03	1.03		2	2.1	0.004029
IPI00783271	130 kDa leucine-rich protein	P42704	0.76	0.84	0.82	0.81	0.04	66	51.2	0
IPI00783298	Fragile X mental retardation 1 protein	Q06787-7		1.33		1.33		7	12.5	8.4E-107
IPI00783302	Pentatricopeptide repeat-containing protein 3, mitochondrial	Q96EY7-1			0.97	0.97		3	7.4	7E-19
IPI00783305	BUB1A	O43683	0.93		0.88	0.90	0.04	2	3.7	3.56E-19
IPI00783313	Glycogen phosphorylase, liver form	P06737	0.98	1.04	1.02	1.01	0.03	35	43.4	7.3E-296
IPI00783378	Ubiquitin carrier protein O	Q9C0C9	1.00	0.97	1.01	0.99	0.02	5	6.8	5.75E-16
IPI00783497	Nucleoside diphosphate-linked moiety X motif 16	Q96DE0		1.12	1.32	1.22	0.14	6	34.9	2.94E-55
IPI00783559	Exocyst complex component 2	Q96KP1	1.07	1.24	1.29	1.20	0.12	2	2.8	1.9E-131
IPI00783656	39S ribosomal protein L38, mitochondrial	Q96DV4	0.83	0.91	0.85	0.86	0.04	7	23.4	1.9E-21
IPI00783781	205 kDa nucleoporin	Q92621	0.85	1.13	0.92	0.97	0.14	7	5.5	9.36E-55
IPI00783826	Ryanodine receptor 1	P21817-1	0.89			0.89		2	0.6	0.028228
IPI00783835	RING finger protein 160	O94822	1.32		0.76	1.04	0.39	2	1.6	2.5E-117
IPI00783872	Caprin-1	Q14444-1	1.00	0.82	0.87	0.90	0.09	15	26.9	0
IPI00783874	Haloacid dehalogenase-like hydrolase domain-containing protein 2	Q9H0R4-1		1.26	1.06	1.16	0.14	4	16.6	5.02E-33
IPI00783895	Uncharacterized protein KIAA0528	Q86YS7-2		1.03	0.96	0.99	0.06	4	4.7	1.31E-20
IPI00783902	HEAT repeat-containing protein 5A	Q86XA9-1			1.00	1.00		3	3	0.000141
IPI00783931	Collagen alpha-1(XVIII) chain	P39060-3	1.36	1.15	1.13	1.21	0.13	6	6.5	1.46E-57
IPI00783982	Coatomer subunit gamma	Q9Y678	0.86	0.96	0.99	0.94	0.07	31	44.4	0
IPI00784013	Janus kinase 1	P23458		1.47	1.34	1.40	0.09	4	6.2	2.49E-14
IPI00784020	Ankyrin repeat domain-containing protein 17	O75179-1	1.14	1.12	0.90	1.05	0.13	10	5.3	7.6E-235
IPI00784044	3-methylcrotonyl-CoA carboxylase 2	Q9HCC0-1	0.84	0.96	0.90	0.90	0.06	11	24.9	2.2E-137

IPI00784090	CCT-theta	P50990	0.79	0.93	0.90	0.87	0.07	40	67.9	0
IPI00784107	tRNA-dihydrouridine synthase 3-like	Q96G46-1	0.72	0.80		0.76	0.06	3	8	9.2E-116
IPI00784119	Protein XAP-3	Q15904			1.05	1.05		1	3.8	3.93E-40
IPI00784154	60 kDa chaperonin	P10809	0.92	0.81	0.84	0.86	0.05	49	70.9	0
IPI00784161	Tat-cotransactivator 2 protein	Q7KZ85-1	0.86	1.18	0.92	0.99	0.17	17	13.9	4.7E-209
IPI00784224	M-phase phosphoprotein homolog	Q96KR1	0.83	1.05	1.06	0.98	0.13	10	13.8	0
IPI00784233	GRB10-interacting GYF protein 2	Q6Y7W6-1	1.18	0.98	0.95	1.04	0.12	9	9.8	2.92E-80
IPI00784366	Adapter-related protein complex 2 beta subunit	P63010-2	1.00	1.11	1.16	1.09	0.08	36	38.4	0
IPI00784376	Mitochondrial 18 kDa protein	Q9UDX5	1.14	0.86	0.85	0.95	0.16	5	28.3	1.51E-37
IPI00784414	Acute-phase response factor	P40763-1	1.01	1.13	1.09	1.08	0.06	11	18.2	6.07E-72
IPI00784614	Ovarian/Breast septin epsilon	Q96QF2	1.24	1.17	1.13	1.18	0.05	21	43.9	5.8E-132
IPI00784739	Uncharacterized protein C14orf43	Q6PJG2		1.75	1.58	1.67	0.12	1	1.8	3.24E-11
IPI00785110	Bromodomain and PHD finger-containing transcription factor	Q12830-1		1.04		1.04		2	1	2.13E-14
IPI00787089	Modulator of non-genomic activity of estrogen receptor	Q8IZL8-2	0.99	0.94	0.93	0.95	0.03	8	9.5	5.4E-127
IPI00787501	cDNA FLJ56391, highly similar to Cysteine protease ATG4B (EC 3.4.22.-)	B4DZK0	0.79	1.23	1.07	1.03	0.22	2	6.9	7.8E-99
IPI00787853	Inositol monophosphatase 3	Q9NX62	1.12	0.83	0.92	0.96	0.15	3	14.2	2.48E-53
IPI00788747	TIMP metalloproteinase inhibitor 2	P16035		1.56		1.56		6	28.9	8.92E-39
IPI00788837	cDNA FLJ54752, highly similar to Poly(rC)-binding protein 2	B4DRD7	0.93			0.93		10	55.3	2.8E-274
IPI00788879	HCV non-structural protein 4A-transactivated protein 1	Q9NUY8-1		1.27	1.06	1.16	0.15	6	10.9	1.3E-122
IPI00788907	Bcl-XL-binding protein v68	Q96HS1-1	1.02	0.86	0.89	0.92	0.09	13	43.6	6.95E-33
IPI00788925	Branched-chain-amino-acid aminotransferase	Q53EW7	1.34			1.34		2	7.1	0.001796
IPI00789041	140 kDa nuclear and cell adhesion-related phosphoprotein	Q9H307-1	1.04	0.95	1.07	1.02	0.07	14	22.3	1.01E-85
IPI00789101	cDNA FLJ40895 fis, clone UTERU2002294, highly similar to Prostaglandin E synthase 3 (EC 5.3.99.3)	B3KUY2	1.09	1.06	1.03	1.06	0.03	7	34.5	2.2E-151
IPI00789155	Calumenin, isoform CRA_c	B3KPG9	1.17	1.10	1.15	1.14	0.04	15	51.4	2.7E-225
IPI00789455	Katanin p60 ATPase-containing subunit A-like 1	Q9BW62	0.86			0.86		1	3.7	3.18E-15
IPI00789551	Putative uncharacterized protein MATR3	A8MXP9	1.02	1.07	1.07	1.05	0.03	42	47	0

IPI00789582	Eukaryotic translation initiation factor 3, subunit D	B0QYA3		1.00		1.00		7	34.3	8.49E-42
IPI00789737	Cell proliferation-inducing gene 17 protein	Q5J8M3-1	0.88	1.00	1.14	1.01	0.13	4	20.3	1.95E-69
IPI00789740	Gem (Nuclear organelle) associated protein 4	Q8WUM5	0.98			0.98		2	2.3	0.00219
IPI00789798	Putative uncharacterized protein RAI1	A8MTC3			1.14	1.14		2	1.4	1.5E-08
IPI00789848	Putative uncharacterized protein IVD	C9JUI0	0.86		1.08	0.97	0.16	3	7.3	1.98E-12
IPI00790107	Protein SOLO	Q8TER5-1	1.17	1.04		1.11	0.09	3	2.8	4.66E-06
IPI00790214	Calcium-binding protein ERC-55	Q14257	1.56	0.89	1.00	1.15	0.36	4	19.7	1.7E-186
IPI00790230	cDNA, FLJ94609	B2R9Y2		0.91	1.05	0.98	0.10	2	1.8	1.58E-06
IPI00790292	cDNA FLJ61100, highly similar to 39S ribosomal protein L45, mitochondrial	B4DEF8	0.83	1.01	0.95	0.93	0.09	4	17.3	2.28E-30
IPI00790342	60S ribosomal protein L6	B2R4K7	0.86	0.85	0.90	0.87	0.02	20	50.9	1.6E-238
IPI00790441	NCAPD2 protein	A0PJ76		1.33		1.33		7	27.2	3.31E-92
IPI00790491	Hepatitis C virus NS5A-transactivated protein 9	Q15004		1.31		1.31		1	16.4	2.69E-08
IPI00790503	Cellular myosin heavy chain, type B	P35580-3			1.08	1.08		82	41.6	0
IPI00790530	85 kDa nucleoporin	Q9BW27	1.04	1.02	1.08	1.05	0.03	6	12	4.98E-94
IPI00790644	cDNA FLJ52271, moderately similar to Ubiquinol-cytochrome c reductase complex 14 kDa protein (EC 1.10.2.2)	B7Z2R2	1.02			1.02		2	13	2.6E-07
IPI00790739	Aconitase 2, mitochondrial	A2A274	0.98	0.93	0.99	0.97	0.04	21	31.1	8.8E-290
IPI00790743	60S ribosomal protein L36a-like	Q969Q0	1.03	1.05	0.84	0.97	0.12	7	36.2	6.11E-39
IPI00790757	Dual specificity protein phosphatase 3	P51452	0.90	1.25	1.06	1.07	0.18	7	42.4	0
IPI00790974	APG16-like 1	Q676U5-1			1.00	1.00		2	6.1	2.69E-15
IPI00791026	56 kDa protein		1.35	1.12	1.13	1.20	0.13	24	48.8	5.9E-279
IPI00791060	BRCA1-A complex subunit MERIT40	Q9NWW8-1	1.10	1.27	1.05	1.14	0.12	3	11.7	4.7E-190
IPI00791086	Putative uncharacterized protein EIF3D	A8MWD3	0.78	0.98	0.91	0.89	0.10	16	39.1	2E-241
IPI00791117	NA			1.02	0.75	0.89	0.19	13	48.7	1.2E-117
IPI00791262	Digestion subtraction 1	Q14197	0.97	0.84	0.94	0.92	0.07	5	29.1	5.53E-31
IPI00791325	HBV XAg-transactivated protein 5	Q15397	0.76	0.98	0.97	0.90	0.12	7	10.5	3.17E-96
IPI00791333	Chromosome 20 open reading frame 4	A2A2Q9	0.84	1.09	1.12	1.02	0.16	6	19.6	2.94E-92
IPI00791509	cDNA FLJ75002, highly similar to Homo sapiens, neural cell expressed, developmentally down-	A8K1Z3			1.35	1.35		2	6.4	2.1E-156

	regulated gene 1									
IPI00791711	Nuclear receptor 2C2-associated protein	Q86WQ0	1.12	1.09	0.99	1.07	0.07	3	28.1	4.73E-35
IPI00791720	Protein Smaug homolog 2	Q5PRF9	0.73			0.73		1	2.2	9.38E-30
IPI00792065	Putative uncharacterized protein TOR1AIP1	A8MUM5	0.98		1.10	1.04	0.08	12	29.1	1E-138
IPI00792109	CCDC43 protein	Q86WV7	1.02	1.01	1.04	1.02	0.01	6	20.3	7.41E-37
IPI00792186	ATP-binding cassette sub-family F member 1	A0PJ72		1.51	1.23	1.37	0.20	12	34	1.7E-214
IPI00792312	Integrator complex subunit 3	Q68E01-1	1.07	1.09	0.97	1.04	0.06	9	15.2	8.73E-30
IPI00792352	Putative uncharacterized protein RAN	B5MDF5	0.93	0.97	1.00	0.97	0.04	13	36.4	4.9E-150
IPI00792422	WASH complex subunit FAM21A	Q641Q2-1	1.51	1.35		1.43	0.11	8	9.5	1.6E-147
IPI00792423	Activator-recruited cofactor 100 kDa component	O75448			0.75	0.75		2	2.8	9.31E-07
IPI00792788	Dedicator of cytokinesis protein 5	Q9H7D0-1	1.08	1.00	0.91	1.00	0.08	10	8.4	9.02E-48
IPI00792789	Putative uncharacterized protein THOC7	B5MDZ2	1.11	0.86	0.77	0.91	0.18	5	24	2.5E-100
IPI00792837	Zinc finger protein 207 variant	Q59G94	0.97	0.98	0.98	0.98	0.01	5	8.3	5.9E-77
IPI00793111	Rho GTPase-activating protein SYDE1	Q6ZW31-1	0.81		1.14	0.97	0.24	2	3.8	9.66E-05
IPI00793132	cDNA FLJ78285, highly similar to Homo sapiens gasdermin domain containing 1, mRNA	A8K702	1.16	1.10		1.13	0.04	3	10.2	1.81E-15
IPI00793155	Putative uncharacterized protein RAB34	C9JI96	0.96	1.12	1.09	1.06	0.08	8	25.6	2.6E-172
IPI00793181	Selenoprotein S	Q9BQE4	0.44		0.75	0.59	0.22	3	17.2	3.49E-14
IPI00793199	Annexin A4	Q6LES2	1.10	1.32	1.33	1.25	0.13	16	47.4	0
IPI00793201	cDNA FLJ61202, highly similar to Multisynthetase complex auxiliary component p43	B4E1S7	0.88	0.98	0.93	0.93	0.05	13	49.4	5.9E-207
IPI00793330	12 kDa protein	A8K674	1.23	1.07	1.07	1.12	0.09	11	84.4	5.8E-269
IPI00793330	cDNA FLJ75516, highly similar to Xenopus tropicalis ubiquitin C, mRNA	A8K674	1.23	1.07	1.07	1.12	0.09	11	84.4	5.8E-269
IPI00793375	Aminoacylproline aminopeptidase	Q9NQW7-1	0.98	1.12	1.12	1.07	0.08	7	14.4	2.59E-81
IPI00793381	Proteasome (Prosome, macropain) 26S subunit, non-ATPase, 6, isoform CRA_b	C9IZE4	0.92			0.92		17	38.5	8.6E-171
IPI00793696	60S ribosomal protein L24	P83731	0.98	0.95	0.91	0.94	0.04	9	39.3	1.92E-50
IPI00793717	Uncharacterized protein C21orf59	C9JB10		0.89		0.89		2	10.4	1.38E-24
IPI00793723	CDK7/cyclin-H assembly factor	P51948	0.73	1.03		0.88	0.21	4	12.6	3.01E-17
IPI00793922	9 kDa protein		1.02	1.14	0.84	1.00	0.15	8	68.7	4E-211

IPI00794221	Putative uncharacterized protein DBN1	A8MV58	1.13			1.13		25	44.5	9.2E-290
IPI00794252	Cysteine-rich with EGF-like domain protein 2	Q6UXH1-5	1.00	0.90	1.00	0.97	0.06	3	10.2	1.15E-28
IPI00794278	Anaphase-promoting complex subunit 3	P30260		1.19	0.18	0.69	0.71	3	4.3	1.11E-28
IPI00794284	Epithelial cell-transforming sequence 2 oncogene	Q9H8V3-2		1.07		1.07		2	2.9	4.01E-09
IPI00794402	Rho GDP-dissociation inhibitor 1	P52565	1.02	1.02	1.05	1.03	0.02	10	27.7	2.8E-263
IPI00794461	Histone H2B type 1-N	Q99877		1.13		1.13		12	48.8	1.3E-139
IPI00794521	Putative uncharacterized protein DKFZp434J046	Q9UFV9	0.73			0.73		2	1.8	1.36E-40
IPI00794605	18 kDa protein		1.05			1.05		14	67.1	0
IPI00794613	GTPase-activating protein RAB7	Q8TC07-2	1.06	1.19	1.22	1.16	0.08	11	20.1	2E-140
IPI00794659	cDNA FLJ58953, highly similar to 40S ribosomal protein S20	B4DW28	0.81	0.91	0.88	0.87	0.05	7	33.8	3.79E-58
IPI00794806	cDNA FLJ56179, highly similar to Pyruvate dehydrogenase (lipoamide)-phosphatase 1 (EC 3.1.3.43)	B4DYX8	0.90			0.90		2	5.2	9.32E-55
IPI00794900	C-1-tetrahydrofolate synthase, cytoplasmic	B2R5Y2	0.94			0.94		29	28	3.6E-220
IPI00794956	Putative uncharacterized protein SCFD1	A8MVJ7	0.92	1.19	1.01	1.04	0.14	8	22	1.2E-280
IPI00795107	Hepatocarcinoma high expression protein	Q6P1N9-1	0.81	0.88	0.86	0.85	0.04	4	12.9	2.22E-16
IPI00795257	32 kDa protein		1.05	0.99		1.02	0.04	25	82.9	0
IPI00795287	Uncharacterized protein C12orf29	Q8N999-1	0.93		0.97	0.95	0.03	2	5.5	2.94E-05
IPI00795553	Armadillo repeat-containing protein 8	Q8IUR7-1		1.13		1.13		2	3.4	0.001047
IPI00795611	cDNA FLJ59232, highly similar to ARF GTPase-activating protein GIT1	B4DGU9			1.34	1.34		3	4.5	0.003114
IPI00795627	cDNA FLJ51883, highly similar to Mitochondrial 39S ribosomal protein L3	B4DKM0	0.73	0.91	0.87	0.84	0.10	3	9.9	1.45E-10
IPI00795769	Cytokine-induced protein of 29 kDa	P82979	1.42	1.09	1.06	1.19	0.20	7	17	2.1E-142
IPI00795842	Alpha mannosidase 6A8B	Q9NTJ4		1.02		1.02		3	2.5	0.012655
IPI00795922	Mitochondrial ribosomal protein S28 variant	Q53G62	0.85	0.89	0.92	0.89	0.04	6	37.5	3.88E-22
IPI00795979	Epidermal surface antigen	Q14254	1.04			1.04		2	4.8	2.36E-30
IPI00795990	cDNA FLJ50931, highly similar to Tight junction protein ZO-1	B4DZK4		1.14		1.14		18	14.8	1.6E-169
IPI00796062	HCG2022684, isoform CRA_b	C9J8T6			0.76	0.76		2	17.3	2.59E-47
IPI00796114	cDNA FLJ11889 fis, clone HEMBA1007251, weakly similar to Homo sapiens F-box protein	Q9HAA5			0.09	0.09		2	1.1	0.003006

	FBX29 (FBX29) mRNA									
IPI00796284	cDNA FLJ57946, highly similar to Elongation factor 1-delta	B4DDU4			0.80	0.80		11	51.1	4.5E-151
IPI00796333	Fructose-bisphosphate aldolase A	P04075	0.95	1.11	1.06	1.04	0.08	36	75.1	0
IPI00796366	cDNA FLJ56329, highly similar to Myosin light polypeptide 6	B7Z6Z4	0.97	0.98	0.98	0.98	0.01	12	44.5	0
IPI00796379	cDNA FLJ57067, highly similar to Beta-2-microglobulin	B4E0X1	0.91	1.54		1.22	0.44	3	18.9	6.78E-20
IPI00796467	NA		0.94	1.08		1.01	0.10	1	18.6	2.54E-11
IPI00796519	Testis expressed sequence 264 variant	Q53GI2	1.04			1.04		2	7.1	0.001736
IPI00796864	Dolichyl-phosphate mannosyltransferase polypeptide 1, catalytic subunit	Q5QPK0	1.23	0.95	1.17	1.12	0.14	5	19.3	4.95E-92
IPI00796891	Golgin B1	B2ZZ91	1.14	0.87	1.01	1.01	0.14	19	9.1	0
IPI00796914	cDNA, FLJ95791, highly similar to Homo sapiens aurora kinase B (AURKB), mRNA	B2RC06	1.00	1.24	1.25	1.16	0.14	4	15.1	1.09E-14
IPI00796919	Beta-galactosidase	B7Z6Q5	1.21	0.95	1.16	1.10	0.14	4	7.2	1.63E-58
IPI00796934	cDNA FLJ78093, highly similar to Homo sapiens ribosomal protein L29 (RPL29), mRNA	A8K0H3	1.12	0.92		1.02	0.14	3	19.5	2.3E-111
IPI00797013	cDNA FLJ57452, highly similar to Nucleoside diphosphate-linked moiety X motif16 (EC 3.6.1.-)	B4E3B4	1.16			1.16		3	14.1	8.7E-19
IPI00797038	cDNA FLJ50710, highly similar to Phosphoenolpyruvate carboxykinase (GTP), mitochondrial (EC 4.1.1.32)	B4DW73	0.93	1.15	1.03	1.04	0.11	8	18.3	2E-183
IPI00797126	Alpha-NAC	Q13765	0.87	0.76	0.77	0.80	0.06	6	7.8	0
IPI00797136	Inhibitor of nuclear factor kappa-B kinase-interacting protein	Q70UQ0-1	1.20	1.10	1.16	1.15	0.05	9	27.4	6.8E-116
IPI00797279	cDNA FLJ78091, highly similar to Homo sapiens ubiquitin-like, containing PHD and RING finger domains, 1 (UHRF1), mRNA	A8K024	0.95	1.33	1.16	1.15	0.19	14	18.4	5.25E-77
IPI00797384	La ribonucleoprotein domain family member 4	Q71RC2-4	0.60	0.88	0.80	0.76	0.15	6	11	2.71E-55
IPI00797406	cDNA FLJ37430 fis, clone BRAWH2001679, highly similar to Homo sapiens NMD3 homolog (NMD3), mRNA	B3KT11	0.99	0.95	0.83	0.92	0.08	5	12.1	8.02E-66
IPI00797537	Chronic myelogenous leukemia tumor antigen 66	Q96RS6-1	0.93	1.00	0.89	0.94	0.05	7	13.4	3.5E-166
IPI00797572	cDNA FLJ60491, highly similar to IQ motif and Sec7 domain-containing protein 1	B4DGC5	0.81			0.81		1	1.8	9.75E-12
IPI00797603	39 kDa phosphoribosylpyrophosphate synthase-	Q14558	1.27	1.36	1.18	1.27	0.09	9	35.3	2.7E-130

	associated protein										
IPI00797612	WD repeat-containing protein 6	B4DHK2	1.21	1.37	1.12	1.23	0.13	6	10.6	4.11E-57	
IPI00797738	Cytochrome c oxidase subunit 6B1	P14854	0.87	0.98	0.94	0.93	0.06	4	45.6	1.64E-55	
IPI00797771	Uncharacterized protein C20orf117	O94964-2			0.96	0.96		2	2.2	8.49E-65	
IPI00797887	cDNA FLJ58199, highly similar to Fragile X mental retardation syndrome-related protein 1	B4DM78	0.66			0.66		15	34.5	1.2E-160	
IPI00798011	Putative uncharacterized protein SUMO3	A8MU27	1.31	0.95	1.03	1.10	0.19	3	17	3.71E-51	
IPI00798034	Protein KRI1 homolog	Q8N9T8-1		0.94	1.05	1.00	0.07	7	13.2	4.33E-44	
IPI00798041	cDNA FLJ58665, highly similar to Serine/threonine-protein phosphatase 2A 55 kDa regulatory subunit B alpha isoform	B4E1T7	0.93	1.10	1.03	1.02	0.09	9	21.9	1.5E-141	
IPI00798102	PEP11 homolog	Q9UBQ0-2	1.02	1.15	1.14	1.10	0.07	6	25.7	2.98E-44	
IPI00798272	Branched-chain-amino-acid aminotransferase	B7Z5L0	0.89	1.01	0.74	0.88	0.13	6	19.8	4.07E-93	
IPI00807412	Cytosolic 5-nucleotidase 3	Q9H0P0-4	0.82			0.82		2	6.5	7.34E-42	
IPI00807498	CCDC6 protein	Q05CP8		1.03	1.04	1.04	0.00	7	23.4	1.17E-93	
IPI00807545	Heterogeneous nuclear ribonucleoprotein K	P61978-3	1.19			1.19		27	56.8	0	
IPI00815642	TMSB4X protein	Q0P5N8	1.50	1.07	0.93	1.16	0.30	5	35.7	1E-41	
IPI00815672	Axonal transporter of synaptic vesicles	Q12756-2	0.60			0.60		2	1.3	0.001573	
IPI00815707	Ankyrin repeat and KH domain-containing protein 1	Q8IWZ3-4		0.91		0.91		7	3.9	2.52E-23	
IPI00815713	Treacher Collins syndrome protein	Q13428-4	1.21	1.01	0.85	1.02	0.18	10	8.7	2.9E-137	
IPI00815770	Protein SDP3	O60493-1	0.99	1.19	1.22	1.13	0.12	10	55.6	1.25E-76	
IPI00816217	Structural maintenance of chromosomes protein 6	Q96SB8-2		0.93	0.69	0.81	0.17	3	4.7	9.64E-58	
IPI00816474	Mammalian retrotransposon derived protein 8C	A6ZKI3	1.06	1.75		1.41	0.49	4	26.5	1.03E-06	
IPI00816707	NBPF8 isoform 5	Q3BBV4			1.16	1.16		2	2.5	0.01693	
IPI00827625	Calcium/calmodulin-dependent protein kinase type II subunit delta	Q13557-11	0.81	1.04		0.93	0.17	9	24.8	2.2E-254	
IPI00827871	Zinc finger homeobox protein 4	Q86UP3-2		0.91		0.91		2	0.6	0.021335	
IPI00827967	Partner of ARF	Q3YEC7-2		1.17	1.22	1.19	0.03	3	4.9	3.12E-05	
IPI00827972	Partner of ARF	Q3YEC7-1	1.11			1.11		2	3.7	0.000288	
IPI00828021	Heat shock 70 kDa protein 4-like protein	A2ICT2	1.27	0.99	1.02	1.10	0.16	13	17.5	1.26E-87	
IPI00828080	Arf-GAP with Rho-GAP domain, ANK repeat and	Q96P48-6		1.36	1.10	1.23	0.18	5	5.1	3.07E-62	



	PH domain-containing protein 1									
IPI00828125	Neutral sphingomyelinase 3	Q9NXE4-4	1.52	1.01	0.79	1.11	0.38	4	8.2	5.58E-22
IPI00828150	Protein 40-6-3	Q9Y2Z0-1	0.93	0.91	1.02	0.95	0.06	10	32.1	1E-130
IPI00828172	Protein FAM114A2	Q9NRY5-1		1.74	1.31	1.52	0.30	5	15.6	5.3E-123
IPI00828189	L-isoaspartyl protein carboxyl methyltransferase	P22061-2	1.10	1.09	1.10	1.09	0.01	10	51.4	8.1E-204
IPI00829707	Dermal papilla-derived protein 6	Q8TE02-4			1.18	1.18		2	10.5	1.14E-05
IPI00829741	Ankyrin repeat and LEM domain-containing protein 2	Q86XL3-1	0.74			0.74		3	7.4	1.8E-27
IPI00829826	Activator-recruited cofactor 205 kDa component	Q15648-1			0.92	0.92		2	1.5	1.01E-11
IPI00829835	G patch domain-containing protein 4	Q5T3I0-1			0.72	0.72		7	21.7	1.03E-63
IPI00829865	Protein SMILE	Q6ZXV5-1			0.87	0.87		3	4.4	6.3E-07
IPI00829992	Myosin I beta	O00159-3	1.10	1.15	1.11	1.12	0.03	44	44.7	0
IPI00830108	DnaJ homolog subfamily C member 2	Q99543-1	0.96	0.88	0.84	0.89	0.06	4	8.7	5.01E-98
IPI00830136	Uncharacterized protein C1orf31	Q5JTJ3-2	1.25	0.71	0.44	0.80	0.41	4	26.9	6.41E-85
IPI00843975	Cytovillin	P15311	1.07	1.13	1.11	1.11	0.03	40	58.5	0
IPI00844000	E3 UFM1-protein ligase 1	O94874	0.97	1.12	1.06	1.05	0.07	12	17	4.1E-183
IPI00844014	Uncharacterized protein C9orf114	Q5T280	0.94	1.51	1.09	1.18	0.30	3	10.4	4.09E-31
IPI00844050	Basic FGF-repressed Zic-binding protein	Q9NVA1-1	1.00	1.08	0.94	1.01	0.07	3	10	5.14E-10
IPI00844090	Collagen alpha-1(V) chain	P20908	1.54	0.98	1.61	1.38	0.35	9	8.1	1.14E-65
IPI00844193	Zinc finger protein 593	O00488	0.94	0.73	0.68	0.79	0.14	3	38.8	3.9E-102
IPI00844214	Beta-catenin-like protein 1	Q8WYA6-1	0.93	1.04	1.28	1.09	0.18	7	14.9	3.93E-17
IPI00844215	Alpha-II spectrin	Q13813-1	1.07	1.04	1.10	1.07	0.03	116	51.7	0
IPI00844264	Putative uncharacterized protein DKFZp779B0247	Q68DF1	0.90	1.18	1.14	1.07	0.15	25	32.7	0
IPI00844303	Unc-84 homolog A (C. elegans)	A4D2Q0	1.23			1.23		2	3.3	3.88E-14
IPI00844311	Uridine-cytidine kinase-like 1	Q9NWZ5-1		0.62		0.62		2	4.4	0.030848
IPI00844377	Diaphanous-related formin-2	O60879-1	0.90		1.01	0.96	0.08	2	2.6	2.83E-19
IPI00844425	Probable protein BRICK1	Q8WUW1-2	0.76	1.28	1.19	1.08	0.28	4	34.9	6.53E-55
IPI00844507	UPF0688 protein C1orf174	Q8IYL3	1.17	1.59	1.15	1.31	0.25	2	13.2	7.4E-126
IPI00844578	ATP-dependent RNA helicase A	Q08211	0.97	1.02	1.00	0.99	0.02	57	44.4	0

IPI00845263	FN1 protein	Q14328	0.68	1.27	1.07	1.01	0.30	77	39.7	0
IPI00845373	DNA-binding factor KBF2	Q00653-1		1.08		1.08		3	5.2	3.33E-17
IPI00845453	Uncharacterized protein C18orf21 (HBV X-transactivated protein 13).	Q8TBS0		1.30		1.30		1	6.2	3.78E-39
IPI00847168	RSU1 protein	Q32Q10	1.14		1.08	1.11	0.04	10	32.1	1.27E-60
IPI00847637	MAP7 domain-containing protein 3	Q8IWC1-1		0.98		0.98		1	1.7	2.5E-08
IPI00847665	cDNA FLJ55165, highly similar to Particularly interesting new Cys-His protein	B7Z7R3	0.88	1.18	1.04	1.03	0.15	11	34.6	6.2E-156
IPI00847670	NA		0.99	1.03	1.07	1.03	0.04	6	28	9.72E-68
IPI00847793	Dermcidin isoform 2	A5JHP3	6.12	0.17	0.08	2.12	3.46	1	9.1	4.74E-07
IPI00847987	Formin homology 2 domain-containing protein 2	Q96PY5-1		0.96		0.96		4	4.6	7.36E-11
IPI00848090	cDNA, FLJ94534, highly similar to Homo sapiens capping protein (actin filament), gelsolin-like(CAPG), mRNA	B2R9S4	0.79	1.88	1.50	1.39	0.55	5	21.6	3.54E-47
IPI00848133	cDNA FLJ32689 fis, clone TESTI2000207, highly similar to NifU-like N-terminal domain-containing protein, mitochondrial	B3KQ30		1.16		1.16		3	21.8	1.03E-06
IPI00848174	cDNA FLJ34950 fis, clone NT2RP7017284, highly similar to Casein kinase I isoform epsilon (EC 2.7.11.1)	B3KRV2			1.38	1.38		3	9.1	5.15E-07
IPI00848226	Cell proliferation-inducing gene 21 protein	P63244	0.71	0.91	0.91	0.84	0.11	21	79.8	0
IPI00848321	SMARCD2 protein	A5PLL5		1.12	1.08	1.10	0.03	4	10.7	8.29E-41
IPI00848328	Similar to peroxisomal enoyl-coenzyme A hydratase-like protein		0.95	1.05		1.00	0.07	12	49.4	8.3E-151
IPI00848334	Kinesin-2	O00139-4			1.14	1.14		6	7.8	9.22E-20
IPI00852645	Uncharacterized protein KIAA0819	O94909-2		0.53	1.09	0.81	0.40	2	1.3	1.41E-39
IPI00852659	Echinoderm microtubule associated protein like 3, isoform CRA_e	B7WPE2		1.17		1.17		2	3.6	2.81E-06
IPI00852685	Diaphanous-related formin-1	O60610-1	0.89	1.02	0.92	0.94	0.07	17	17.8	3.2E-184
IPI00852741	ABP125	O94979-8	0.85	1.03	1.00	0.96	0.10	37	30.1	3.2E-265
IPI00852806	cDNA FLJ13729 fis, clone PLACE3000121, weakly similar to VESICULAR TRAFFIC CONTROL PROTEIN SEC15	Q9H8D6	2.23	1.16	1.06	1.48	0.65	4	7.2	4.34E-21
IPI00852997	Putative uncharacterized protein CRYZL1	A6NHJ8	0.95	0.93	0.99	0.96	0.03	5	23.1	8.78E-15
IPI00853009	50 kDa nuclear polyadenylated RNA-binding protein	Q92879-4	0.82	1.12	1.01	0.99	0.15	7	17	2.64E-50

IPI00853093	Methyltransferase-like protein 2B	Q6P1Q9-1		0.89	0.99	0.94	0.07	3	10.8	1.03E-22
IPI00853120	Chromosome-associated protein H2	Q6IBW4-4			1.18	1.18		2	5.3	0.015246
IPI00853201	Putative uncharacterized protein MRPL23	A8MYK1	0.85	0.79		0.82	0.04	2	11.5	3.2E-248
IPI00853224	Gestational trophoblastic tumor protein 1	Q9NQZ5	0.86		0.85	0.85	0.00	3	9.2	1.47E-12
IPI00853278	SLAIN motif-containing protein 2	Q9P270	1.03	1.21	1.00	1.08	0.12	8	21.7	8.1E-191
IPI00853369	MM1	O15031	1.42	1.06	1.23	1.24	0.18	5	4	3.74E-56
IPI00853400	133 kDa FK506-binding protein	Q5T1M5-1	1.00	1.13	1.04	1.05	0.07	7	10.2	9.4E-166
IPI00853598	cDNA FLJ56334, highly similar to SEC13-related protein	B4DXJ1	0.85	1.01	1.02	0.96	0.10	13	46.2	0
IPI00854642	Cell proliferation-inducing gene 54 protein	Q29RF7-1	0.92	1.00	1.00	0.97	0.05	25	24.9	0
IPI00854741	DLG4	Q15334	1.61	1.13	1.08	1.27	0.29	9	13.2	1.15E-47
IPI00855725	TGN38 homolog	O43493-4		0.96		0.96		4	17.2	2.82E-57
IPI00855767	cDNA FLJ30470 fis, clone BRAWH1000040, highly similar to Rap1 GTPase-GDP dissociation stimulator 1	B3KNU0	0.87	0.98	0.95	0.93	0.06	11	23.5	1.1E-130
IPI00855785	Anastellin	P02751-15	0.66			0.66		76	39.3	0
IPI00855820	Protein MON2 homolog	Q7Z3U7-1		0.89	0.65	0.77	0.17	3	2.1	0.000176
IPI00855873	Transmembrane protein 192	Q8IY95-1	0.92	1.01	1.04	0.99	0.06	3	15.5	8.92E-84
IPI00855940	cDNA FLJ76855, highly similar to Homo sapiens exportin 7 (XPO7), mRNA	A8K607	1.06	1.22	1.04	1.10	0.10	13	14.6	5.9E-212
IPI00855954	cDNA FLJ58388	B4DUI4		1.15	0.91	1.03	0.17	2	12.3	0.000191
IPI00855998	AH antigen	P49454	1.08	1.24	1.06	1.12	0.10	6	2.8	1.74E-22
IPI00856045	Protein AHNK2	Q8IVF2-1	0.71	1.14		0.93	0.31	4	1	5.09E-06
IPI00856098	p180/ribosome receptor	A7BI36	1.10	0.81	0.95	0.95	0.15	56	55.6	0
IPI00856116	Palladin	Q8WX93-1	0.68		1.20	0.94	0.37	5	5.1	6.93E-30
IPI00867503	Amplified in breast cancer gene 2 protein	Q8ND04-2	0.85			0.85		3	4.7	3.6E-151
IPI00867509	Coronin-1C_i2 protein	A7MAP0	0.88	1.04	0.98	0.97	0.08	31	45.7	0
IPI00867529	Kinesin-2	O00139-2	1.12	1.27		1.20	0.10	8	13.8	4.78E-45
IPI00867714	Protein LSM12 homolog	Q3MHD2-2	0.88	1.00	0.90	0.92	0.07	5	28.3	3.23E-26
IPI00867735	UPF0488 protein C8orf33	Q9H7E9-2	0.81	0.90	0.83	0.85	0.05	4	20.7	9.47E-74
IPI00867739	cDNA FLJ60533, highly similar to Kinesin-like	B4DHG8		0.99	0.95	0.97	0.03	3	4.7	5.46E-13

	protein KIF3A									
IPI00871157	Putative uncharacterized protein SRPK2	A6NF09	1.25			1.25		3	5.1	0.00058
IPI00871174	Associate of Myc 1	Q99417			0.94	0.94		4	46.6	9.12E-12
IPI00871240	cDNA FLJ56906, highly similar to RNA-binding protein 16	B7Z3A4	1.19	1.19	1.12	1.17	0.04	5	5.6	1.08E-40
IPI00871372	cDNA FLJ43800 fis, clone TESTI4000349, highly similar to E3 ubiquitin-protein ligase HECTD1	B3KWT6	0.81	0.84	0.96	0.87	0.08	11	6.7	7.35E-51
IPI00871467	Neural cell adhesion molecule L1	P32004-1	1.24	0.50	1.45	1.06	0.50	4	5.2	9.63E-14
IPI00871617	BRCA1/BRCA2-containing complex subunit 3	P46736-2	0.90	1.38		1.14	0.34	3	15.1	7.74E-18
IPI00871680	Putative uncharacterized protein ARFGAP2	A8MXL3	0.85	1.26	1.13	1.08	0.21	8	21.1	5.7E-209
IPI00871686	cDNA FLJ61103, highly similar to CLIP-associating protein 2	B4DF74			0.95	0.95		5	6	2.8E-172
IPI00871704	Putative uncharacterized protein DIAPH3	A8MYX0	0.63	0.68	0.85	0.72	0.12	4	2.9	1.35E-80
IPI00871780	RNA-binding motif protein 12B	Q8IXT5	0.89	0.94	0.81	0.88	0.06	5	10.5	2.61E-12
IPI00871827	60S ribosomal protein L7	A8MVV7		0.86	0.87	0.86	0.01	25	56.6	3.8E-234
IPI00871851	Neural precursor cell expressed developmentally down-regulated protein 5	Q15019-2	1.15	1.15	1.20	1.17	0.03	17	55.6	0
IPI00871854	Putative uncharacterized protein SAMM50	A8MZI2	0.99	0.89	0.97	0.95	0.06	9	26.7	2.71E-53
IPI00871870	Actin-related protein 2/3 complex subunit 3	A8MYY8	0.95	1.18	1.12	1.08	0.12	10	51.7	2.64E-61
IPI00871890	cDNA FLJ75056, highly similar to Homo sapiens phosphatidylinositol binding clathrin assembly protein (PICALM), mRNA	A8K5U9	0.87	0.96	1.00	0.95	0.07	13	29.4	0
IPI00871891	Putative uncharacterized protein COMMD8	A8MQB6	0.96	1.04	0.91	0.97	0.06	3	19.1	4.77E-09
IPI00871903	Putative uncharacterized protein PLRG1	A8MW61	0.88	1.13	1.01	1.00	0.13	7	25.5	9.14E-68
IPI00871988	cDNA FLJ58980, highly similar to Sideroflexin-3	B4DRS6	1.09	0.94	1.11	1.05	0.09	4	18.2	4.6E-38
IPI00872028	NUMA1 variant protein	Q4LE64	1.22	1.27	1.22	1.24	0.03	69	42.2	0
IPI00872261	Adenosylhomocysteinase	A8MYU1		1.31	1.15	1.23	0.11	9	17.9	6.91E-31
IPI00872292	Putative GTP-binding protein RAY-like	Q9BW83-1	1.10		1.05	1.07	0.04	5	38.7	3.48E-88
IPI00872352	HD domain-containing protein 2	Q7Z4H3-1	0.98	0.91	0.98	0.96	0.04	6	31.9	5.45E-45
IPI00872375	Solute carrier family 2 (Facilitated glucose transporter), member 1 variant	Q59GX2	1.35	1.22	1.46	1.34	0.12	4	9.3	2.46E-21
IPI00872387	60S ribosomal protein L7	A8MY04	0.87			0.87		21	48.4	3.7E-114
IPI00872549	p59scr	B5ME39	1.02		1.02	1.02	0.00	2	5.5	1.1E-124

IPI00872556	cDNA FLJ52228, highly similar to Mps one binder kinase activator-like 1A	B4DRY3	0.88	0.96	1.00	0.95	0.06	5	25.3	2.66E-61
IPI00872664	Deubiquitinating enzyme 14	A8MYA5	0.98	1.09	1.01	1.03	0.05	23	45.9	3.6E-245
IPI00872733	Putative uncharacterized protein POLE4	A8MUW3		1.23	1.02	1.12	0.15	2	29.1	1.3E-128
IPI00872762	Succinyl-CoA ligase [GDP-forming] subunit alpha, mitochondrial	P53597	1.00	1.03	1.10	1.04	0.05	5	18.5	1.1E-36
IPI00872817	Putative uncharacterized protein GLIPR2	A8MWQ4	1.32	1.20	1.26	1.26	0.06	4	42.2	1.28E-71
IPI00872859	Putative uncharacterized protein TUSC3	A8MSM0	0.84	1.01	1.35	1.07	0.26	4	11.8	1.22E-72
IPI00872929	Apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3C variant	Q59GY0	1.96			1.96		1	7.1	1.27E-32
IPI00872940	60S ribosomal protein L30	A8MYX5	0.70	0.95	0.86	0.84	0.13	8	64.3	1.3E-141
IPI00873116	Arginine--tRNA ligase	A8MX73	0.63	1.09	0.90	0.87	0.23	5	9.3	2E-54
IPI00873223	cDNA, FLJ95012, highly similar to Homo sapiens UDP-glucose pyrophosphorylase 2 (UGP2), mRNA	B2RAN1		1.20		1.20		10	26.7	2.8E-219
IPI00873228	Lissencephaly-1 protein	A8MYH0	1.06	1.13	1.14	1.11	0.05	17	43.9	9E-285
IPI00873326	Putative uncharacterized protein UFD1L	C9JS35	0.92	1.41	1.16	1.17	0.24	8	29.2	6.77E-49
IPI00873344	Protein N8	P55327-3	0.95	0.86	0.80	0.87	0.07	8	46	4.8E-146
IPI00873459	Septin-10	Q9P0V9-2		1.52		1.52		5	14.3	3.5E-23
IPI00873472	Protein transport protein Sec24A	O95486-1	0.91	1.17	1.10	1.06	0.13	8	10.2	1.6E-171
IPI00873518	MAD1 mitotic arrest deficient-like 1 (Yeast)	A4D218		0.93	1.18	1.06	0.18	3	5.5	1.91E-24
IPI00873534	Shank-associated RH domain-interacting protein	Q9H0F6-1			1.00	1.00		1	3.9	2.35E-39
IPI00873577	Kinesin-like protein 5	A8MTR8	0.82	1.11	1.21	1.05	0.20	4	5.8	2.14E-50
IPI00873607	Cell proliferation-inducing gene 26 protein	Q9Y320-1	0.63	0.82	0.78	0.74	0.10	4	15.9	8.5E-110
IPI00873608	cDNA FLJ51313, highly similar to Microsomal signal peptidase 18 kDa subunit(EC 3.4.-.-)	B4DUL4	0.89	0.87	1.02	0.93	0.08	5	22.9	6.83E-82
IPI00873767	DNA helicase V	Q96AE4-1	1.05	0.89	0.89	0.94	0.09	28	48.5	0
IPI00873829	3-ketoacyl-CoA thiolase, mitochondrial	A8MVT9	0.88	1.02	0.99	0.96	0.07	13	40.3	1.8E-195
IPI00873899	ATP-binding cassette 50	Q8NE71-1	1.06	1.07	1.03	1.05	0.02	25	35.6	0
IPI00873904	GRIP1-associated protein 1	Q4V328-1	1.86	0.94	0.79	1.20	0.58	3	7.3	9.81E-46
IPI00873935	Putative uncharacterized protein DKC1	A8MUT5	0.96	0.85	0.85	0.89	0.06	13	30.9	1.7E-141
IPI00873982	Myosin heavy chain 11 smooth muscle isoform	B1PS43		0.72		0.72		25	11.4	0
IPI00873991	Axonemal beta dynein heavy chain 8	Q96JB1-1		0.94		0.94		3	0.5	0.062162

IPI00874047	Putative uncharacterized protein MRPS36	A8MWD6	1.13		1.17	1.15	0.03	1	11.7	1.49E-05
IPI00874175	Ubiquitin carrier protein G2	A8MW66		1.16	0.91	1.04	0.17	2	18.8	7.57E-35
IPI00876972	Inner centromere protein	Q9NQS7-1	1.02	1.52	1.31	1.28	0.25	5	7.6	4.42E-24
IPI00877014	Ganglioside-induced differentiation-associated protein 1	Q8TB36-1	0.90			0.90		3	9.5	4.45E-59
IPI00877174	cDNA FLJ78682, highly similar to Homo sapiens 2-5-oligoadenylate synthetase 3, 100kDa (OAS3), mRNA	A8KA84			1.10	1.10		2	2.8	7.56E-22
IPI00877716	TBC1 domain family, member 10A	A7E244	1.27		1.25	1.26	0.02	3	8.3	0.00013
IPI00878015	12 kDa protein		0.85	0.91	1.05	0.94	0.10	1	14.2	1.7E-160
IPI00878181	TBC1 domain family member 10B	Q4KMP7-2	1.40	1.39	1.03	1.27	0.21	5	14.4	2.62E-31
IPI00878213	Embryonic large molecule derived from yolk sac	Q8WYP5-2	1.02	0.96	0.90	0.96	0.06	15	9.7	7.6E-152
IPI00878256	Putative uncharacterized protein ENSP00000395989	C9JFH9	1.23			1.23		2	6.2	1.31E-43
IPI00878392	NA			0.88		0.88		6	67.4	7.5E-108
IPI00878551	cDNA FLJ38619 fis, clone HEART2007696, highly similar to Protein disulfide-isomerase (EC 5.3.4.1)	B3KTQ9	1.31			1.31		37	72.3	0
IPI00878557	Delta transcription factor	P25490			1.32	1.32		2	4.5	0.000109
IPI00878669	Putative uncharacterized protein CBX1	B5MD17		1.13	1.10	1.12	0.02	11	46	0
IPI00878984	D-dopachrome decarboxylase	P30046		1.22	1.13	1.17	0.06	5	31.8	6.8E-94
IPI00879004	DNA topoisomerase 2-alpha	P06786	1.06	1.20	1.15	1.14	0.08	33	23.1	0
IPI00879210	General transcription factor 3C polypeptide 5	Q9Y5Q8-3		1.00	0.91	0.95	0.06	3	7.8	1.32E-46
IPI00879287	Putative uncharacterized protein CDCA5	B5MBX0	1.14	1.38	1.63	1.38	0.25	5	29.6	2.2E-61
IPI00879742	ADP-ribosylation factor GTPase activating protein 3	B0QYV8		1.23		1.23		9	26.8	5.1E-117
IPI00879750	Small nuclear ribonucleoprotein Sm D3	C9JQC3	0.96	0.84	0.91	0.90	0.06	4	24	1.68E-86
IPI00879822	NA			1.03		1.03		3	21.3	0.006988
IPI00880117	Apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3B	B0QYD3	1.00		2.26	1.63	0.89	4	11.6	2.41E-20
IPI00880176	NA				0.95	0.95		1	16.7	1.52E-07
IPI00880178	Hematopoietic signal peptide-containing membrane domain-containing protein 1	Q5UCC4-3		1.16		1.16		2	6.7	0.000745

IPI00883647	cDNA, FLJ92684, highly similar to Homo sapiens IK cytokine, down-regulator of HLA II (IK), mRNA	B2R5Y4	1.61	1.19	1.24	1.34	0.23	7	17.4	5.35E-43
IPI00883857	Heterogeneous nuclear ribonucleoprotein U	Q00839-1	0.99	1.02	1.02	1.01	0.02	45	46.7	0
IPI00883896	Epithelial protein lost in neoplasm beta variant	Q53GG0	0.95		1.05	1.00	0.07	24	42.5	0
IPI00883897	RELA protein	Q2TAM5	1.02	1.12	1.10	1.08	0.05	9	26.3	5.23E-64
IPI00883925	FLJ00169 protein	Q8TEM4	1.02	1.07	1.17	1.09	0.08	3	11.5	2.84E-80
IPI00884061	NA			1.22		1.22		2	30.9	5.01E-57
IPI00884105	CD107 antigen-like family member A	P11279	1.28	1.01	1.44	1.24	0.21	4	9.8	6.9E-113
IPI00884192	Glutathione peroxidase 4	P36969-1	0.85	0.57	0.48	0.64	0.20	4	21.4	1.47E-16
IPI00884896	Gene associated with retinoic and interferon-induced mortality 12 protein	Q16881-1	0.63	0.86	1.00	0.83	0.19	22	49.9	0
IPI00885108	PAT1-like protein 1	Q86TB9-1	1.19	1.22	1.15	1.18	0.03	7	13.6	1.6E-107
IPI00885123	SH3 domain-containing guanine exchange factor	Q96DR7-3		0.97		0.97		2	5.4	0.009854
IPI00886911	NA		0.84	0.97	1.04	0.95	0.10	3	5.6	2.18E-89
IPI00887558	NA			0.78		0.78		1	5.9	0.010054
IPI00889000	Neurochondrin	Q9UBB6-3		0.95	1.17	1.06	0.15	3	5.3	3.2E-08
IPI00889534	Carbamoylphosphate synthetase I	Q5R206			1.03	1.03		2	1.7	2.96E-31
IPI00890743	Serine/threonine-protein phosphatase	B7Z2W9	0.83	1.12	1.04	1.00	0.15	8	29.2	3.8E-121
IPI00890837	Structural maintenance of chromosomes flexible hinge domain-containing protein 1	A6NHR9-1	0.91	1.08	1.03	1.01	0.08	15	10.2	2.3E-125
IPI00892541	HLA-B associated transcript 3	B0UX85	1.13	1.29	1.12	1.18	0.10	7	14.3	2.56E-73
IPI00893004	Major histocompatibility complex, class I, C	B0S7Z6	0.86	1.55	1.57	1.33	0.40	9	28.2	3.8E-159
IPI00893197	Phosphotyrosyl phosphatase activator	Q15257-2	1.18	1.17	1.07	1.14	0.06	7	28.4	2.07E-47
IPI00893532	von Willebrand factor A domain-containing protein 3B	Q502W6-6	0.88			0.88		1	0.8	0.004303
IPI00893541	14 kDa protein	C9JKU1	1.04	1.07	1.08	1.06	0.02	8	69.9	3.2E-252
IPI00893746	NHP2 non-histone chromosome protein 2-like 1 ( <i>S. cerevisiae</i> )	B1AHD1	0.73	0.95	0.88	0.86	0.12	6	39.4	1.1E-106
IPI00893770	cDNA FLJ46786 fis, clone TRACH3028837, highly similar to Homo sapiens smoothelin (SMTN), transcript variant 2, mRNA	B3KY41	0.68		0.92	0.80	0.18	15	18.6	9E-143
IPI00893918	Valyl-tRNA synthetase	B0V043	0.95	0.88	0.90	0.91	0.03	42	39.6	0
IPI00893949	MHC class I antigen	A0N0E2	1.12	1.46	1.76	1.45	0.32	12	44.2	0
IPI00894154	Complex I-42kD	O95299		0.92	0.96	0.94	0.03	7	17.7	1.5E-112

IPI00894287	cDNA FLJ56889, moderately similar to Vigilin	B4DTQ2	0.73	1.06	0.91	0.90	0.16	32	32.7	0
IPI00894395	Low molecular mass protein 2	B0V0T1		1.27		1.27		2	8.7	0.000426
IPI00894409	Copine I	B0QZ18	1.10	1.33	1.32	1.25	0.13	14	29.2	1.1E-210
IPI00894498	Beta-actin	A1E282	0.91			0.91		36	79.5	0
IPI00895781	GC-rich promoter-binding protein 1	Q86WP2-2		1.06		1.06		1	2.4	0.000683
IPI00895800	HBEBP2-binding protein C	Q27J81-1	1.05	1.18	1.26	1.16	0.11	3	4.8	8.32E-23
IPI00895911	Cellular nucleic acid binding protein alpha variant 1	Q5U0E9	0.92	0.98	0.89	0.93	0.04	11	57.3	0
IPI00896498	cDNA, FLJ93047, highly similar to Homo sapiens matrix metalloproteinase 14 (membrane-inserted) (MMP14), mRNA	B2R6P3	1.55	1.86	2.05	1.82	0.25	2	3.8	9.24E-05
IPI00896504	Glucosamine (UDP-N-acetyl)-2-epimerase/N-acetylmannosamine kinase, isoform CRA_a	A6PZH2		1.43	1.25	1.34	0.13	5	9.7	1.35E-71
IPI00900291	cDNA, FLJ93859, highly similar to Homo sapiens protein phosphatase 1A (formerly 2C), magnesium-dependent, alpha isoform (PPM1A), mRNA	B2R8E4	0.96		1.63	1.30	0.47	3	7.3	2.36E-06
IPI00900293	Filamin B	B2ZZ83	0.91	0.92	0.96	0.93	0.03	125	61.3	0
IPI00900312	Proto-oncogene c-RAF	P04049-2	0.90	1.11	1.07	1.03	0.11	8	19.9	3.17E-25
IPI00900386	Putative uncharacterized protein GTPBP3	A6NFH1			0.58	0.58		1	4.4	1.04E-39
IPI00902451	Ser/thr protein kinase Emk1/MARK2 isoform EMK1A	Q5DNC6		1.02		1.02		6	13.3	7.55E-39
IPI00902533	Nuclear envelope pore membrane protein POM 121	Q96HA1-1	1.28	0.61		0.95	0.47	2	2.9	6.67E-09
IPI00902560	Outer mitochondrial membrane protein porin 2	P45880-1	0.89	0.99	1.12	1.00	0.11	12	50.2	5.6E-172
IPI00902564	65 kDa eukaryotic translation initiation factor 2A	Q9BY44-1		0.93	0.90	0.91	0.02	19	45.8	9.9E-142
IPI00902588	cDNA FLJ38699 fis, clone KIDNE2002168, highly similar to Short chain 3-hydroxyacyl-CoA dehydrogenase, mitochondrial (EC 1.1.1.35)	B3KTT6		1.09	1.15	1.12	0.05	9	24.2	7.97E-37
IPI00902614	Deubiquitinating enzyme 24	Q9UPU5	1.21	1.08	1.04	1.11	0.09	3	1.7	1.91E-34
IPI00902680	cDNA FLJ39696 fis, clone SMINT2011033, highly similar to Sorting and assembly machinery component 50 homolog	B3KUE6	0.91			0.91		3	10.9	1.98E-14
IPI00902843	cDNA FLJ16129 fis, clone BRACE2039823, highly similar to CDP-diacylglycerol--inositol3-phosphatidyltransferase (EC 2.7.8.11)	B3KY94		1.38		1.38		1	4.6	0.000422



IPI00902969	Augmenter of liver regeneration	P55789	0.99	0.79	0.80	0.86	0.11	3	24.9	1.5E-99
IPI00902991	BetaCstF-64 variant 2	B3V096	1.09	1.21	0.99	1.10	0.11	8	18.4	7.93E-49
IPI00903155	cDNA FLJ39540 fis, clone PUAEN2008314, highly similar to Switch-associated protein 70	B3KUB9	1.11	0.93	1.05	1.03	0.09	11	25.6	3.03E-52
IPI00903226	cDNA FLJ46359 fis, clone TESTI4049786, highly similar to Hexokinase-1 (EC 2.7.1.1)	B3KXY9	0.90	0.89	0.97	0.92	0.04	14	14.6	2.01E-69
IPI00903253	cDNA FLJ44718 fis, clone BRACE3022051	Q6ZRD3	1.15	0.95	0.88	0.99	0.14	2	22.3	3.63E-42
IPI00903256	Putative uncharacterized protein ZC3H14	B5MBX9	1.31	1.02	1.00	1.11	0.17	6	11.8	1.96E-61
IPI00903320	cDNA FLJ36571 fis, clone TRACH2012242, highly similar to Myoferlin	B3KSL7		1.38	1.21	1.29	0.12	4	26.3	3.87E-37
IPI00903328	cDNA FLJ40132 fis, clone TESTI2012155, highly similar to NUCLEOPORIN-LIKE PROTEIN RIP	B3KUL1	0.92	0.96	0.98	0.95	0.03	4	12	2.14E-51
IPI00908375	cDNA FLJ52821, highly similar to Protein transport protein Sec23A	B4E0Q9			0.93	0.93		12	38.1	1.4E-181
IPI00908404	cDNA FLJ51188, highly similar to N-acetylglucosamine-6-sulfatase (EC3.1.6.14)	B4E284	1.26	1.15	1.17	1.19	0.06	10	23.3	4.04E-47
IPI00908416	cDNA FLJ55157, highly similar to Eukaryotic translation initiation factor 4E	A8MX72	0.94	0.98	0.98	0.97	0.02	4	20.6	1.03E-67
IPI00908444	Calcium/calmodulin-dependent protein kinase type II subunit gamma	Q13555-6			1.36	1.36		5	13.3	3.28E-95
IPI00908461	cDNA FLJ52942, highly similar to Nucleolar protein of 40 kDa	B4DYA9	1.03			1.03		2	9.1	2.27E-23
IPI00908469	cDNA FLJ52712, highly similar to Tubulin beta-6 chain	B4DP54	0.92	0.97	1.05	0.98	0.06	23	60.5	0
IPI00908538	cDNA FLJ54293	B4E3J6		1.02		1.02		3	11.7	0.002513
IPI00908568	Replication factor C 5 isoform 3		1.11			1.11		8	37.6	2.51E-90
IPI00908578	cDNA FLJ51932	B4DQ06			1.05	1.05		2	18.4	1.03E-05
IPI00908639	cDNA FLJ61589	B4DGV1	1.14	1.19		1.17	0.04	3	3.8	5.39E-42
IPI00908736	Putative uncharacterized protein YAF2	C9JKP3	0.92	0.96	0.86	0.91	0.05	4	28.9	8.04E-95
IPI00908804	cDNA FLJ53353, highly similar to ATP-binding cassette sub-family D member 3	B4DL07	0.85	1.22		1.03	0.26	7	12.7	1.67E-64
IPI00908873	140 kDa nucleolar phosphoprotein	Q14978-3			0.81	0.81		7	12.3	2.78E-10
IPI00908913	cDNA FLJ61582, highly similar to RNA-binding protein with multiple splicing	B4E3T4	0.79	1.21	1.16	1.05	0.23	4	28.6	1.08E-77
IPI00908931	cDNA FLJ52456, moderately similar to Programmed cell death protein 5	B4DE64	0.87			0.87		4	32.6	7.2E-120
IPI00909064	Bifunctional coenzyme A synthase	Q13057-2	0.91	1.18	1.02	1.04	0.14	9	19.6	1.63E-65

IPI00909083	GSPT1 protein	Q96GF2	0.94	1.07	0.99	1.00	0.07	16	28.5	3.6E-117
IPI00909112	cDNA FLJ59570, highly similar to Protein farnesyltransferase subunit beta (EC 2.5.1.58)	B4DL54	1.02			1.02		3	9.8	8.66E-16
IPI00909195	cDNA FLJ53622, highly similar to Hematological and neurological expressed1-like protein	B4DLH4	1.34	1.09	0.96	1.13	0.20	10	60.1	6.7E-130
IPI00909247	cDNA FLJ51655, highly similar to Actin-like protein 2	B4DWQ5	0.74			0.74		10	29.2	2.2E-227
IPI00909366	cDNA FLJ60058, highly similar to Myosin light chain 1, slow-twitch muscle A isoform	B4E368	3.41		0.88	2.14	1.79	6	26.9	2.8E-138
IPI00909484	cDNA FLJ54776, highly similar to Cell division control protein 42 homolog	B4E1U9	0.92	1.15	1.09	1.05	0.12	8	30.9	5.99E-70
IPI00909515	cDNA FLJ51495, highly similar to ADP-ribosylation factor 5	B4DLJ3			1.29	1.29		4	22.7	2.73E-87
IPI00909555	cDNA FLJ51602, highly similar to Interferon-induced guanylate-binding protein 1	B4DNS2	0.82		1.26	1.04	0.31	12	31.9	2.46E-82
IPI00909569	Histone deacetylase 7	Q8WUI4-8	0.85	0.95		0.90	0.07	5	7.7	3.15E-09
IPI00909703	cDNA FLJ51518, highly similar to Annexin A11	B4DPJ2		1.15	1.16	1.16	0.01	14	32.3	1.1E-205
IPI00909772	cDNA FLJ53069, highly similar to AP-2 complex subunit mu-1	B4DNB9	0.97			0.97		10	25	5.78E-69
IPI00909773	Ubiquitin carrier protein	B4DSZ4	1.15			1.15		6	28.8	3.92E-56
IPI00909853	cDNA FLJ59607, moderately similar to D-dopachrome decarboxylase (EC 4.1.1.84)	B4E259	0.93			0.93		3	15.4	5.29E-57
IPI00909904	Mammalian STE20-like protein kinase 3	Q9Y6E0-2	1.11	1.17	1.01	1.10	0.08	8	19.6	3E-182
IPI00910016	cDNA FLJ75178, highly similar to Homo sapiens methyl-CpG binding protein splice variant 1 (MBD1) mRNA	A8K654			1.14	1.14		2	5.9	3.32E-06
IPI00910034	cDNA FLJ51105, highly similar to Arfaptin-2	B4DUZ3	0.96	1.30	0.97	1.08	0.19	4	14.4	2.19E-36
IPI00910088	cDNA FLJ14622 fis, clone NT2RP2000147, highly similar to Adaptor-related protein complex 1 mu-1 subunit	B3KNH5	1.04	1.08	1.12	1.08	0.04	9	28.3	1.01E-69
IPI00910135	cDNA FLJ56849, moderately similar to Mus musculus actin filament associated protein 1 (Afap1), mRNA	B4DMU2	0.81		1.25	1.03	0.31	3	4.4	1.29E-05
IPI00910164	cDNA FLJ53381, highly similar to Monocarboxylate transporter 1	B4DKS0	0.90	0.67	0.97	0.85	0.16	5	11.7	4.48E-44
IPI00910194	cDNA FLJ60565, highly similar to Nuclear pore complex protein Nup153	B4DIK2	1.03	1.11	1.08	1.07	0.04	17	17.6	3.4E-250
IPI00910365	cDNA FLJ53237, highly similar to Caseinolytic peptidase B protein	B4DXP7	0.99			0.99		5	11	2.05E-26

IPI00910443	cDNA FLJ61695, highly similar to Glioma tumor suppressor candidate region gene 2 protein	B4E1N4	1.42	0.90	0.86	1.06	0.31	7	19.5	7.11E-62
IPI00910572	cDNA FLJ60673, highly similar to Homo sapiens aldehyde dehydrogenase 16 family, member A1 (ALDH16A1), mRNA	B4DLQ1	0.99			0.99		5	9.5	8.13E-48
IPI00910581	cDNA FLJ57960	B4DF33	1.44		0.98	1.21	0.32	3	11	3.09E-05
IPI00910593	cDNA FLJ52765, highly similar to Calponin-2	B4DUT8	0.76	1.08	1.02	0.96	0.17	17	56.1	0
IPI00910610	NEDD8 carrier protein UBE2F	Q969M7-2	1.22	1.17		1.20	0.03	2	12.8	5.47E-28
IPI00910694	cDNA FLJ58598, highly similar to Homo sapiens NOL1/NOP2/Sun domain family, member 5 (NSUN5), transcript variant 1, mRNA	B4DP79	0.72	0.93	0.86	0.83	0.11	3	8.5	5.73E-12
IPI00910781	Glucose-6-phosphate isomerase	B4DE36	1.05	1.06	0.99	1.03	0.04	29	43.8	0
IPI00910882	Putative uncharacterized protein TBC1D5	C9JP52	1.02	1.15	1.10	1.09	0.06	4	6.9	4.16E-26
IPI00910937	cDNA FLJ54803, highly similar to Cyclin-dependent kinase inhibitor 1	B4DQP9	1.07		1.35	1.21	0.20	2	15.2	1.29E-75
IPI00910974	Phosphoglycerate kinase	B4DWQ3		1.02	1.04	1.03	0.01	16	97.5	0
IPI00910977	cDNA FLJ31171 fis, clone KIDNE2000046, highly similar to 3-mercaptopyruvate sulfurtransferase	B3KP52	1.13	0.94	1.01	1.03	0.10	8	34.7	2E-110
IPI00911039	cDNA FLJ38698 fis, clone KIDNE2002015, highly similar to HEAT SHOCK 70 kDa PROTEIN 1	B3KTT5	1.02	1.00	1.01	1.01	0.01	35	55.5	0
IPI00911050	cDNA FLJ53329, highly similar to NADPH:adrenodoxin oxidoreductase, mitochondrial (EC 1.18.1.2)	B4DHX5		1.64		1.64		1	2.4	0.003353
IPI00911064	cDNA FLJ58961, highly similar to APAF1-interacting protein	A8MWRO	1.18		1.07	1.13	0.08	3	18.1	2.04E-08
IPI00913848	cDNA FLJ77570, highly similar to Homo sapiens pleckstrin homology domain containing, family C (with FERM domain) member 1 (PLEKHC1), mRNA	A8K6S3	0.65	0.87	0.88	0.80	0.13	26	52.3	1.9E-263
IPI00913889	Haloacid dehalogenase-like hydrolase domain-containing protein 1A	Q08623	1.23	1.02	0.98	1.08	0.13	4	15.1	6.77E-87
IPI00913938	cDNA FLJ59791, highly similar to Importin-11	B4DZ73	0.93	0.71	0.89	0.84	0.12	6	10	1.57E-12
IPI00913961	Histone H2A.Z	P0C0S5	1.35	1.09	1.13	1.19	0.14	4	22.1	1.14E-24
IPI00914016	Dynactin subunit 4	Q9UJW0	1.24	1.11	1.17	1.17	0.06	7	22.9	1.03E-53
IPI00914045	Small integral membrane protein 13			2.55		2.55		2	13.2	8.16E-07
IPI00914048	Basophilic leukemia-expressed protein Bles03	Q9H3H3	1.04	1.13	1.18	1.11	0.07	5	18.8	7.66E-28

IPI00914566	Farnesyl diphosphate synthetase	P14324	1.91	2.06	2.14	2.04	0.11	8	21	2.74E-55
IPI00914847	Nebulin	A8MTT4	1.09	0.98	1.12	1.06	0.08	2	0.4	0.009732
IPI00914938	100 kDa coated vesicle protein C	O94973-1			1.00	1.00		18	24.2	8.7E-203
IPI00914949	Spectrin, beta, erythrocytic (Includes spherocytosis, clinical type I) variant	Q59FP5			0.97	0.97		7	2.5	2.14E-11
IPI00915008	Methyltransferase-like protein 1	Q9UBP6	0.80	0.92	0.83	0.85	0.06	8	30.6	2.07E-72
IPI00915022	hTREN120	Q8NI27-1	0.75	1.05	0.92	0.91	0.15	4	2.5	6.66E-10
IPI00915356	Cleavage and polyadenylation specificity factor 59 kDa subunit	Q8N684-1	1.14	1.55	1.27	1.32	0.21	7	17.7	3.36E-14
IPI00915363	40S ribosomal protein S24	P62847-1	0.94	0.84	0.89	0.89	0.05	4	12.1	8.91E-75
IPI00915437	Aicardi-Goutieres syndrome 2 protein	Q5TBB1	0.82			0.82		2	13.2	0.001792
IPI00915456	cDNA FLJ77778, highly similar to Homo sapiens death-associated protein 6 (DAXX), mRNA	A8K822		1.17		1.17		2	4.5	9.51E-05
IPI00915466	EPS-15-interacting protein 2	O95208-1		1.21		1.21		3	6.1	1.25E-10
IPI00916111	Cytosolic malate dehydrogenase	P40925	1.02	1.18	1.13	1.11	0.08	14	44.3	0
IPI00916402	Adaptor-associated kinase 1	Q2M2I8	1.21	1.09	0.98	1.09	0.12	6	14.8	1.3E-75
IPI00916405	Putative uncharacterized protein ENSP00000387259	B8ZU2			0.96	0.96		11	17.8	7.3E-132
IPI00916503	cDNA FLJ55789, highly similar to Rattus norvegicus basic leucine zipper and W2 domains 1 (Bzw1), mRNA	B4DLZ8	1.02	1.07	1.19	1.09	0.09	16	31	4.2E-105
IPI00916546	Putative uncharacterized protein PWP2	C9JC91	0.92		1.23	1.07	0.21	3	22	1.04E-32
IPI00916570	Secretory carrier-associated membrane protein 4	C9JXD3	0.97	0.84	1.08	0.96	0.12	1	4.6	5.09E-14
IPI00916600	cDNA FLJ75174, highly similar to Homo sapiens calmodulin 1 (phosphorylase kinase, delta), mRNA	A8K1M2	1.28	1.06	1.06	1.14	0.12	7	36.2	0
IPI00916847	GTP-binding protein 9	Q9NTK5-1	0.97	0.97	0.97	0.97	0.00	21	50.7	1.9E-250
IPI00917041	Putative uncharacterized protein METTL5	B8ZC8	0.58	0.66	0.59	0.61	0.04	2	10.2	7.62E-07
IPI00917072	Putative uncharacterized protein RABL2A	B7ZBD6		1.01	1.05	1.03	0.03	3	18.1	2.77E-51
IPI00917081	ANO6 protein	B9EGG0		1.03		1.03		3	5.6	6.71E-22
IPI00917228	Putative uncharacterized protein PTMA	C9J0D0	1.33	0.95	0.92	1.07	0.23	8	22.3	0
IPI00917297	Putative uncharacterized protein CWC22	B7WP27	1.05	0.95	1.04	1.01	0.06	6	8.3	5.4E-38
IPI00917298	cDNA FLJ57527, highly similar to 60S ribosomal protein L31	B7Z4C8	0.99	0.90		0.95	0.06	4	26.2	1.13E-24

IPI00917656	Putative uncharacterized protein FAM128B	B8ZZ87	1.06		1.17	1.12	0.08	2	16.5	2.5E-96
IPI00917683	Putative uncharacterized protein SUMO1	B8ZZN6	1.21	1.25	1.06	1.17	0.10	2	13	9.66E-06
IPI00918021	Ubiquitin carrier protein	B8ZZC0	1.37	1.43	1.13	1.31	0.16	7	30.6	4.4E-170
IPI00921172	Peroxisomal carnitine O-octanoyltransferase	Q9UKG9			1.45	1.45		2	5.8	1.2E-28
IPI00921422	Colonic and hepatic tumor over-expressed gene protein	Q14008-3	0.90	1.01	0.97	0.96	0.06	33	20.9	1E-165
IPI00921428	cDNA FLJ54837, highly similar to Inositol monophosphatase (EC 3.1.3.25)	B7Z6Q4	0.85	1.06	1.08	1.00	0.13	10	33.9	8.4E-92
IPI00921819	cDNA FLJ56007, highly similar to Cip1-interacting zinc finger protein	B7Z3U7		0.98	1.06	1.02	0.06	3	6.7	2.25E-39
IPI00921844	MAD3/BUB1-related protein kinase	O60566-3	0.69	1.18	0.96	0.94	0.24	9	10.6	4.32E-49
IPI00921909	Zinc finger protein 185 variant 721	B8K2M1		1.48		1.48		7	17.9	8.94E-52
IPI00921911	cDNA FLJ56946, highly similar to Cysteine-rich protein 2	B7Z6C0	1.14	1.18	1.16	1.16	0.02	5	28.4	3E-216
IPI00922006	Adapter-related protein complex 1 sigma-1B subunit	P56377	1.13		1.10	1.12	0.02	3	21.7	1.1E-104
IPI00922055	Diazepam binding inhibitor, splice form 1G	B8ZWD6	1.32	1.21	1.19	1.24	0.07	5	38.5	1.87E-57
IPI00922070	cDNA FLJ57025, highly similar to Ceroid-lipofuscinosis neuronal protein 6	B4DDH6	0.72	0.84		0.78	0.09	1	3.2	3.28E-09
IPI00922181	cDNA FLJ53276, moderately similar to DNA replication licensing factor MCM2	B7Z8Z6	1.13	1.17	1.15	1.15	0.02	34	40.6	0
IPI00922223	cDNA FLJ54755, highly similar to Vacuolar ATP synthase subunit d (EC 3.6.3.14)	B7Z6L9	0.95	1.15	1.27	1.12	0.16	8	19.1	5.83E-57
IPI00922250	Putative overexpressed in colon carcinoma 1 protein	Q8TAD7	0.62		0.88	0.75	0.19	3	55.6	6.1E-60
IPI00922383	cDNA FLJ57430, highly similar to DNA-directed RNA polymerase II 33 kDa polypeptide (EC 2.7.7.6)	B7Z6D1			1.08	1.08		5	14.9	1.17E-78
IPI00922413	cDNA FLJ61560, highly similar to Tight junction protein ZO-2	B7Z954	0.97	1.04	1.04	1.02	0.04	8	12.1	3.2E-177
IPI00922415	cDNA FLJ51825, highly similar to Single-stranded DNA-binding protein, mitochondrial	B7Z268			1.21	1.21		6	40.9	1.7E-154
IPI00922428	cDNA FLJ51089, highly similar to FK506-binding protein 9 (EC 5.2.1.8)	B7Z6H3	1.15	1.27	1.27	1.23	0.07	5	7.5	7.13E-12
IPI00922443	cDNA FLJ59210, highly similar to Tubulin-specific chaperone E	B7Z3P1	1.05	1.11	0.97	1.04	0.07	12	26.8	1.91E-82
IPI00922476	EVPL protein	B7ZLH8	0.83	1.12		0.98	0.20	2	1.4	0.003419
IPI00922484	BUD31 homolog (Yeast), isoform CRA_b	B7Z4S9	0.70		0.99	0.85	0.20	10	60	1.9E-36

IPI00922513	cDNA FLJ57872, highly similar to Mevalonate kinase (EC 2.7.1.36)	B7Z1C2	1.74	2.06		1.90	0.22	5	25.6	1.44E-16
IPI00922574	cDNA FLJ58752, highly similar to Homo sapiens RCD1 required for cell differentiation 1 homolog (RQCD1), mRNA	B7Z1E5	0.85			0.85		4	13	1.02E-20
IPI00922682	cDNA FLJ54713, highly similar to Gephyrin	B7Z2B5		0.89	0.83	0.86	0.05	6	10.1	6.38E-24
IPI00922697	PDHE1-A type I	P08559		1.05		1.05		17	42.8	3.59E-83
IPI00922773	cDNA FLJ58031, highly similar to Tuftelin	B7Z4Y1	0.73	1.17	1.13	1.01	0.24	2	5.1	1.19E-24
IPI00922855	TUBGCP2 protein	B7ZKL8		1.24	1.35	1.30	0.08	4	5.3	7.15E-34
IPI00923468	SMARCA4 protein	B9EGQ8	1.01	0.93	1.01	0.98	0.05	11	8.3	1.2E-175
IPI00923582	cDNA FLJ59687, highly similar to Secernin-1	B4DHM0	1.02	1.08	1.05	1.05	0.03	10	27.2	1E-102
IPI00924510	Putative uncharacterized protein RIF1	C9JI70	0.89	1.12	0.90	0.97	0.13	9	5.2	1.8E-107
IPI00924549	BET1 homolog	C9JZC1		1.07		1.07		2	21.8	1.09E-59
IPI00924713	cDNA, FLJ93994, highly similar to Homo sapiens phosphate cytidyltransferase 1, choline, alpha isoform (PCYT1A), mRNA	B2R8P1	0.96	1.07	1.11	1.05	0.08	9	35	8.28E-29
IPI00924769	Putative uncharacterized protein WBSCR22	C9K060		1.17		1.17		2	11.1	6.82E-05
IPI00924778	Epithelial cell transforming sequence 2 oncogene protein splice variant b	Q0MT80	1.06		1.08	1.07	0.01	3	6	2.52E-05
IPI00924780	Putative uncharacterized protein RAPH1	C9K0J5		1.05		1.05		2	1.7	0.000155
IPI00924788	Arylacetamide deacetylase-like 1	Q6PIU2-2	0.82	1.20	1.21	1.08	0.22	8	29.9	1.7E-294
IPI00924816	Myotrophin	P58546	0.94			0.94		3	30.5	1.1E-167
IPI00924991	cDNA FLJ54356, highly similar to DNA-repair protein complementing XP-C cells	B4DIP3		1.03		1.03		3	5.2	6.05E-06
IPI00925052	Putative uncharacterized protein ARPC4	C9JWM7	0.98	1.08	1.14	1.07	0.08	9	29.9	3.13E-59
IPI00925205	SH3-domain GRB2-like endophilin B2	B7ZC38			1.40	1.40		6	21.5	7.06E-19
IPI00925217	CLASP2 protein	B2RTR1	0.75	1.30		1.03	0.39	5	5.3	5.3E-176
IPI00925251	Putative uncharacterized protein SNRPG	C9J303	0.91	0.95	0.98	0.95	0.03	3	23.3	2.1E-139
IPI00925413	EIF4G1 protein	B2RU10	0.83			0.83		43	29.4	0
IPI00925520	6-phosphofructokinase, liver type	P17858-2		1.20		1.20		15	21.7	2.6E-113
IPI00925656	MRPS17 protein	Q8IY71	0.83	0.98	0.92	0.91	0.07	2	16.9	3.62E-98
IPI00925803	cDNA FLJ60579	B4DIY7	0.99			0.99		2	6.4	5.6E-138
IPI00925804	Non-functional aryl hydrocarbon receptor interacting protein	A5JGZ4	1.09	1.40	1.39	1.29	0.17	8	26.9	6.3E-158

IPI00925918	Coiled-coil domain-containing protein 12	Q8WUD4	1.27	1.23	1.08	1.19	0.10	8	43	6.5E-199
IPI00926007	FLJ00144 protein	Q8TEP9	1.21			1.21		16	64.7	4.2E-223
IPI00926109	DEAH box protein 30	Q7L2E3-2	0.87	1.01	1.02	0.97	0.09	21	21	1.4E-112
IPI00926396	Tumor necrosis factor ligand superfamily member 10 isoform 3	C9JP96	0.84			0.84		1	33.8	0.01533
IPI00926491	cDNA FLJ56092, highly similar to Pentatricopeptide repeat protein 1	B4DJ38		0.84	0.95	0.90	0.08	3	5.6	2.28E-23
IPI00926529	Putative uncharacterized protein SUMF2	C9J660	1.25	1.23		1.24	0.01	5	18.5	3.4E-30
IPI00926581	MYH14 variant protein	B0I1S2			0.98	0.98		18	7.9	5.7E-220
IPI00926625	Zyxin	Q15942	0.92	0.87	0.91	0.90	0.03	15	43	2.6E-144
IPI00926648	Putative uncharacterized protein APEH	C9JIF9	1.10	1.15	1.10	1.12	0.03	11	21.3	6.08E-67
IPI00926903	Putative uncharacterized protein CHCHD3	C9JRZ6	0.88	0.92	0.89	0.90	0.02	16	45.3	3.8E-239
IPI00926925	OGDH protein	A2VCT3	1.11	1.45	1.24	1.27	0.17	3	3.2	1.14E-06
IPI00926977	26S protease regulatory subunit 10B	P62333	0.96	1.06	1.05	1.02	0.05	23	59.8	2E-267
IPI00927412	NA	C9J8D9	1.66	1.11	0.91	1.22	0.39	2	22.9	2E-166
IPI00927432	COX assembly mitochondrial protein homolog	C9J8M2	0.75	1.11	1.10	0.99	0.20	2	17.7	3.61E-09
IPI00927531	Adapter-related protein complex 1 sigma-1A subunit	C9JXA6	1.11	1.10	1.05	1.09	0.03	2	13.1	1.5E-123
IPI00927606	Cellular glutathione peroxidase	P07203		0.38		0.38		2	12.3	9.97E-06
IPI00927614	256 kDa golgin	Q13439-3	1.41	0.64		1.03	0.55	3	1.7	1.31E-42
IPI00927646	Ubiquitin carboxyl-terminal hydrolase	B4DGT3	0.82			0.82		3	3	5.34E-51
IPI00927658	Putative uncharacterized protein RPL32	C9JBL2	0.86	0.85	0.85	0.85	0.01	10	47.7	1.3E-167
IPI00927682	Putative uncharacterized protein RAB3GAP1	C9J837	1.00	0.95	1.06	1.00	0.05	15	21.9	9.8E-152
IPI00927731	Angio-associated, migratory cell protein, isoform CRA_a	C9JEH3	0.78	1.05	0.97	0.93	0.14	6	17.7	1.41E-83
IPI00927892	Beta-MPP	O75439	0.82	1.05	1.04	0.97	0.13	11	24.9	1.4E-17
IPI00927933	Protein FAM136A	Q96C01	0.86		0.81	0.84	0.03	3	13.1	1.38E-27
IPI00929268	cDNA FLJ57057, highly similar to Small subunit processome component 20 homolog	B4DN27	0.79	0.65	0.63	0.69	0.09	8	3.5	7.48E-40
IPI00929313	Uncharacterized protein FLJ40176	Q8NDH2			1.16	1.16		3	0.5	0.017334
IPI00929344	cDNA FLJ77779, highly similar to Homo sapiens phosphoribosylformylglycinamide synthase (FGAR amidotransferase) (PFAS), mRNA	A8K8N7	0.85	0.96	0.86	0.89	0.06	24	27.5	4E-221
IPI00930241	EBNA1-binding protein 2	Q99848	1.02	0.91	0.94	0.96	0.06	10	29.9	7.36E-88

IPI00930688	Alpha-tubulin ubiquitous	P68363	1.02	1.14	1.13	1.10	0.06	31	75.4	0
IPI00930706	cDNA FLJ55259, highly similar to Four and a half LIM domains protein 1	B7Z793	1.01	1.40	1.13	1.18	0.20	9	28.8	1.9E-242
IPI00930710	Mitochondrial aspartate-glutamate carrier protein	Q546F9	0.91	0.76	0.91	0.86	0.09	14	30.3	0
IPI00935649	Putative uncharacterized protein CUL4A	A8MSH7	1.12		1.40	1.26	0.20	10	11.2	8.21E-54
IPI00935906	cDNA FLJ56465, highly similar to Dynactin-1	B4DM45	1.00	1.15	1.08	1.07	0.07	28	28.7	0
IPI00936141	AKT-interacting protein	Q9H8T0-2		1.41		1.41		2	13	6.98E-10
IPI00936284	Dihydrofolate reductase	P00374	1.31	1.34	1.31	1.32	0.02	11	44.3	2.34E-47
IPI00936328	MARCKS-related protein-like		0.89			0.89		2	10.8	3.95E-06
IPI00936738	Torsin-1A-interacting protein 1	Q5JTV8-1		1.14		1.14		12	29	4.4E-155
IPI00936844	NA			1.06		1.06		1	6.6	0.006426
IPI00937477	WD repeat-containing protein 43	Q15061		0.81	0.78	0.80	0.02	10	16.7	5.71E-51
IPI00937635	NA			1.03		1.03		1	12.2	2.8E-07
IPI00937956	Putative uncharacterized protein FNBP1L	A6NDI6			0.92	0.92		2	5.9	0.001546
IPI00938079	cDNA FLJ55458, highly similar to Programmed cell death 6-interacting protein	B4DHD2	0.92	1.13	1.11	1.05	0.11	44	60.4	0
IPI00939154	cDNA FLJ61231, highly similar to Apoptosis-stimulating of p53 protein 2	B4DG66		1.02		1.02		2	2.7	1.9E-15
IPI00939159	Adenylyl cyclase-associated protein	B4DNA3	1.39	0.91	1.05	1.12	0.25	27	67.9	0
IPI00939163	Antigen NY-CO-25	Q92598-1	0.74	0.89	0.84	0.82	0.07	38	40.7	0
IPI00939239	High mobility group nucleosome-binding domain-containing protein 1	P05114	1.49		1.20	1.35	0.20	5	39.6	8.56E-27
IPI00939304	Importin subunit beta-3	O00410-3	0.79	0.88	0.86	0.84	0.04	43	45.4	0
IPI00939339	Alcohol dehydrogenase 6	P28332-2	0.86		1.16	1.01	0.21	1	2.7	0.002277
IPI00939523	DEAD box protein 46	Q7L014	0.90	1.03	1.01	0.98	0.07	14	16.5	1.32E-58
IPI00939667	Cell growth-inhibiting gene 1 protein	O14773-1	1.18	0.46	1.07	0.90	0.39	4	12.3	9.05E-18
IPI00939707	Protein KIAA0664	O75153		0.82	0.74	0.78	0.06	11	10.2	1.8E-25
IPI00939864	cDNA FLJ23974 fis, clone HEP18860	Q6ZME5			0.80	0.80		2	20.3	1.06E-27
IPI00940000	DEAD box polypeptide 17 isoform p82 variant	Q59F66	1.00	1.06	1.02	1.03	0.03	35	48.2	0
IPI00940113	cDNA, FLJ93510, highly similar to Homo sapiens JTV1 gene (JTV1), mRNA	B2R7M3	0.68	1.01	0.91	0.87	0.17	4	18.4	4.75E-20
IPI00940180	Dipeptidyl peptidase 9	Q86TI2-2	1.23	1.06	0.88	1.05	0.18	6	7.6	2.2E-24



IPI00940292	cDNA FLJ58495, highly similar to Adapter-related protein complex 1 beta-1 subunit	B4DKH5	1.06	1.08	1.07	1.07	0.01	29	29.3	4.9E-280
IPI00940373	RalBP1-associated Eps domain-containing protein 1	Q96D71-1	1.22	0.86	0.91	1.00	0.19	5	11.7	7.67E-70
IPI00940755	Putative uncharacterized protein DENR	C9JW58	0.99	1.02	1.01	1.01	0.01	8	37.5	0
IPI00940936	LYN protein	Q6NUK7		0.81	1.05	0.93	0.17	5	9.1	6.84E-29
IPI00940950	Ribosomal protein L10	Q5HY50	2.66	0.95	0.86	1.49	1.01	13	52.2	2.1E-158
IPI00941161	General vesicular transport factor p115	O60763	0.93	1.13	1.03	1.03	0.10	22	31.2	0
IPI00941170	E3 ubiquitin-protein ligase NEDD4-like	Q96PU5-8	0.77	1.06	0.85	0.89	0.15	10	14	9.29E-53
IPI00941534	CDC10 protein homolog	Q16181-1	1.00	1.23	1.23	1.15	0.13	17	39.7	6.1E-268
IPI00941549	cDNA FLJ75843, highly similar to Homo sapiens pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 2 (PLEKHA2), mRNA	A8K727	0.65			0.65		1	2.6	2.12E-11
IPI00941696	NA	C9J8V8			1.14	1.14		2	18.6	1.83E-15
IPI00941711	Myosin	Q14784	1.45	1.02	0.95	1.14	0.27	9	10	1.9E-133
IPI00941810	NA		0.87	0.94		0.90	0.05	15	18.6	2.5E-261
IPI00941899	Cytosolic thyroid hormone-binding protein	P14618-2	0.79	1.42	1.30	1.17	0.34	46	65.5	0
IPI00942092	Adenylosuccinase	P30566-1	0.79	0.99	0.97	0.92	0.11	12	33.1	2.96E-97
IPI00942266	SLC9A3R2 protein	Q6NTG0	0.80		0.82	0.81	0.01	3	9.9	5.91E-06
IPI00942269	Putative uncharacterized protein TBC1D4	C9JF11			0.86	0.86		2	2.4	1.03E-26
IPI00942279	Putative uncharacterized protein APOOL	C9J5N9	0.95	1.14	0.98	1.03	0.10	4	23.1	4.19E-19
IPI00942405	LSM7 homolog, U6 small nuclear RNA associated	O75243			0.48	0.48		2	23.4	9.18E-09
IPI00942417	Nik-related protein kinase	Q7Z2Y5-1	1.79			1.79		2	2.2	0.003375
IPI00942450	Putative uncharacterized protein SFRS15	C9J1W7	1.13	1.19	1.05	1.12	0.07	5	8.2	2.85E-27
IPI00942549	Putative uncharacterized protein ENSP00000400408	C9J062	0.96			0.96		2	11.1	1.18E-45
IPI00942869	Cadherin-associated Src substrate	O60716-1	0.94	1.13	1.07	1.05	0.10	27	35.8	0
IPI00942981	DDR GK domain-containing protein 1	C9JSZ5	1.38			1.38		3	14.3	9.55E-16
IPI00943181	Putative uncharacterized protein PSME2	C9JE52	1.10	1.07	1.17	1.11	0.05	13	51.6	3.4E-147
IPI00943886	Polyadenylate-binding protein-interacting protein 1	Q9H074-1	1.01		1.13	1.07	0.08	3	6	6.67E-08
IPI00944536	Alpha N-catenin	P26232-5			0.92	0.92		7	9.8	1.3E-245

IPI00945379	Cell proliferation-inducing gene 53 protein	P46934-1			0.86	0.86		3	2.6	1.47E-06
IPI00945633	Putative uncharacterized protein SSR1	C9IZQ1	1.18	0.98	1.01	1.06	0.11	4	19.1	1E-116
IPI00945749	cDNA FLJ77653	A8K3B4	1.02	1.04	1.19	1.08	0.09	15	25.7	4.4E-294
IPI00945846	Trypsin 1	P07477	138.44	0.02	0.03	46.16	79.91	1	3.8	5.54E-43
IPI00945864	cDNA FLJ58644, highly similar to Fragile X mental retardation syndrome-related protein 1	B4DXZ6			0.98	0.98		20	39.1	4.8E-121
IPI00945940	cDNA FLJ54528, highly similar to Serine/threonine-protein kinase MST4 (EC 2.7.11.1)	B4E0Y9	1.01	1.19	1.21	1.13	0.11	11	32.4	2.1E-276
IPI00945964	Elongation factor G 1, mitochondrial	Q96RP9-2	0.78			0.78		5	9.4	5.49E-23
IPI00946083	RING finger protein 104	Q8IWR1			1.03	1.03		1	2.1	6.23E-47
IPI00946103	Putative uncharacterized protein NDUFA5	C9IZN5	0.97			0.97		3	38.7	2.9E-38
IPI00946150	cDNA FLJ52061, highly similar to Translocon-associated protein subunit gamma	B4E2P2	0.75	0.95	1.15	0.95	0.20	2	9.1	2.7E-100
IPI00946154	Basic fibroblast growth factor	P09038-4	0.61	0.71	0.70	0.67	0.05	6	19.1	1.19E-58
IPI00946415	ACIN1 protein	B2RTT4		1.03	1.11	1.07	0.06	15	15.8	3.4E-240
IPI00946421	Cell death regulatory protein GRIM-19	Q9P0J0	0.91	1.12	1.10	1.04	0.12	5	15	1.4E-28
IPI00946478	Apoptin-associating protein 1	Q8N488		1.23	1.24	1.23	0.01	3	24.6	1.66E-84
IPI00946792	cDNA FLJ55335, highly similar to Tyrosine-protein kinase-like 7	B7Z477	0.94	0.99	1.20	1.05	0.14	13	16.9	7.2E-123
IPI00946830	cDNA FLJ51877, highly similar to Homo sapiens Mak3 homolog (MAK3), mRNA	B0AZT5		1.09		1.09		8	50.5	1.97E-78
IPI00947127	L-lactate dehydrogenase	B7Z5E3	0.96	1.07	1.01	1.01	0.05	31	66.5	0
IPI00947530	Putative uncharacterized protein TAGLN3	C9J5W6	0.92	0.77		0.84	0.10	3	30.4	4.6E-186
IPI00952618	FERM and PDZ domain-containing protein 4	Q14CM0	0.76			0.76		2	1.4	0.007713
IPI00952714	MHC class I antigen	Q2YHR9	0.70		1.53	1.11	0.58	8	26	9.04E-84
IPI00953224	Putative uncharacterized protein APIP	C9JEQ4	1.10	0.96		1.03	0.09	3	25	4.38E-13
IPI00953272	Putative uncharacterized protein NDUFA11	C9JT23			0.99	0.99		2	16.7	1.07E-28
IPI00953308	Putative uncharacterized protein PCM1	A6NNN6		0.94	1.08	1.01	0.10	4	2.3	1.01E-07
IPI00953461	La ribonucleoprotein domain family member 4B	Q92615		1.32	1.02	1.17	0.21	4	6.5	9.23E-19
IPI00953526	Putative uncharacterized protein CCNK	C9JI13		1.12	0.49	0.81	0.44	2	5.8	1.81E-85
IPI00953712	KIAA1715 protein	B7ZLA8	1.16	1.07	0.92	1.05	0.12	4	12.4	6.45E-18
IPI00954006	Putative uncharacterized protein DKFZp667H197	Q69YJ7	0.85	1.06	0.93	0.94	0.11	10	11.4	3.66E-21

IPI00954084	MHC class I antigen	Q9MYF2	1.21	1.81	1.63	1.55	0.31	5	33.1	7.99E-65
IPI00954460	MHC class I antigen	Q1W4D6	2.91		1.28	2.09	1.15	9	42.9	2.2E-136
IPI00954473	D-tyrosyl-tRNA(Tyr) deacylase	Q496C9	0.96	1.06	1.02	1.01	0.05	6	25.8	1.3E-176
IPI00954530	OCIA domain-containing protein 1	Q9NX40-1	1.05	0.99	1.13	1.06	0.07	8	41.6	4.5E-124
IPI00954568	Mitochondrial import inner membrane translocase subunit Tim17-B	O60830	0.88	1.04	0.98	0.96	0.08	5	36.9	7.54E-49

**Table S3.** List of proteins whose expression was significantly changed upon K<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub> treatment. The ratio is expressed as the average ratio in K<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub>-treated cells versus control untreated cells. (“S.D.” represents standard deviation).

<b>IPI No.</b>	<b>Protein Names</b>	<b>Ratio</b>	<b>S.D.</b>
<b>Up-regulated</b>			
IPI00945846	Trypsin 1	46.16	79.91
IPI00022990	Statherin	11.11	
IPI00027462	Calgranulin-B	10.60	
IPI00302030	Ras-related protein Rab-30	9.58	
IPI00296909	193 kDa vault protein	9.37	
IPI00747077	RUN and TBC1 domain-containing protein 2	7.68	
IPI00020944	Squalene synthase	4.19	0.67
IPI00008475	HMG-CoA synthase	4.10	0.86
IPI00220327	67 kDa cytokeratin	4.01	6.75
IPI00290110	Neoplastic transformation inhibitor protein	3.64	0.39
IPI00176193	Collagen alpha-1(XIV) chain	3.33	4.49
IPI00000070	Low-density lipoprotein receptor	3.21	0.90
IPI00220014	Isopentenyl-PP-delta-isomerase	3.17	0.36
IPI00295601	BM88 antigen	2.91	
IPI00016014	Cerebral protein 14	2.87	
IPI00300725	Cytokeratin-6A	2.84	
IPI00030362	Differentiation-dependent protein A4	2.74	
IPI00477802	Nuclear phosphoprotein p21/SIIR	2.74	1.96
IPI00477526	UPF0550 protein C7orf28	2.71	
IPI00914045	Small integral membrane protein 13	2.55	
IPI00103145	Class A basic helix-loop-helix protein 39	2.54	
IPI00006442	Coilin	2.51	2.37
IPI00296999	ATP synthase mitochondrial F1 complex assembly factor 2	2.50	
IPI00410297	Endo-glucuronidase	2.45	
IPI00300333	Pancreatic differentiation protein 2	2.42	2.40
IPI00019355	Cerebral protein 2	2.31	
IPI00016441	Pro-rich, PH and SH2 domain-containing signaling mediator	2.29	
IPI00107831	Leukocyte common antigen related	2.18	
IPI00045914	Msx2-interacting protein	2.15	1.76
IPI00007956	Thioredoxin-binding protein 2	2.15	
IPI00909366	cDNA FLJ60058, highly similar to Myosin light chain 1, slow-twitch muscle A isoform	2.14	1.79
IPI00332493	Pleckstrin homology domain-containing family O member 2	2.14	1.39
IPI00021033	Collagen alpha-1(III) chain	2.14	0.50
IPI00465261	Endoplasmic reticulum aminopeptidase 2	2.13	
IPI00294501	7-dehydrocholesterol reductase	2.13	0.09
IPI00847793	Dermcidin isoform 2	2.12	3.46

IPI00954460	MHC class I antigen	2.09	1.15
IPI00016703	Desmosterol reductase	2.05	0.56
IPI00010717	Mevalonate kinase	2.04	
IPI00914566	Farnesyl diphosphate synthetase	2.04	0.11
IPI00395596	Amino-terminal enhancer of split	2.03	
IPI00014172	Golgi 4-transmembrane-spanning transporter MTP	2.01	
IPI00219783	Ubiquitin-conjugating enzyme E2G 1	1.99	1.61
IPI00299033	Importin alpha Q2	1.98	1.54
IPI00872929	Apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3C variant	1.96	
IPI00219628	Protein kinase C beta type	1.96	
IPI00027240	Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-5	1.93	0.01
IPI00402657	RNA polymerase II-associated protein 1	1.93	
IPI00398625	Hornerin	1.92	3.15
IPI00922513	cDNA FLJ57872, highly similar to Mevalonate kinase (EC 2.7.1.36)	1.90	0.22
IPI00645782	cDNA FLJ58300, highly similar to Seryl-tRNA synthetase, mitochondrial (EC 6.1.1.11)	1.88	0.95
IPI00163361	T-box transcription factor TBX14	1.84	
IPI00003817	Rho GDP dissociation inhibitor (GDI) beta	1.84	
IPI00304227	Cadherin-11	1.83	
IPI00386516	cDNA FLJ32696 fis, clone TESTI2000358	1.83	0.84
IPI00896498	cDNA, FLJ93047, highly similar to Homo sapiens matrix metalloproteinase 14 (membrane-inserted) (MMP14), mRNA	1.82	0.25
IPI00299086	Melanoma differentiation-associated protein 9	1.80	0.22
IPI00303297	DnaJ homolog subfamily C member 25	1.80	
IPI00554560	Lysine-rich nucleolar protein 1	1.80	0.99
IPI00018801	Eva-1 homolog B	1.79	0.38
IPI00942417	Nik-related protein kinase	1.79	
IPI00299738	Procollagen C-endopeptidase enhancer 1	1.78	0.16
IPI00295772	Lanosterol 14 alpha-demethylase	1.78	0.06
IPI00332106	Hematopoietic PBX-interacting protein	1.76	0.26
IPI00514832	RING finger protein 109	1.76	
IPI00009111	5T4 oncofetal antigen	1.75	0.12
IPI00009634	Sulfide:quinone oxidoreductase, mitochondrial	1.74	
IPI00015285	CTP:phosphoethanolamine cytidyltransferase	1.72	0.20
IPI00289547	Transcription factor jun-D	1.71	0.45
IPI00011528	CF-1 50 kDa subunit	1.71	1.33
IPI00651738	1,2-dihydroxy-3-keto-5-methylthiopentene dioxygenase	1.71	0.40
IPI00761160	Calpain inhibitor	1.70	
IPI00645849	Extracellular matrix protein 1	1.70	0.20
IPI00465176	39S ribosomal protein L28, mitochondrial	1.69	0.97
IPI00041127	Anti-silencing function protein 1 homolog B	1.69	0.15
IPI00180675	Alpha-tubulin 3	1.68	0.24
IPI00100213	p53-inducible ribonucleotide reductase small subunit 2-like protein	1.68	0.49

IPI00291419	Acetoacetyl-CoA acetyltransferase-2	1.68	0.12
IPI00019551	Beckwith-Wiedemann syndrome chromosomal region 1 candidate gene C protein	1.67	
IPI00157734	Exocyst complex component 3	1.67	
IPI00784739	Uncharacterized protein C14orf43	1.67	0.12
IPI00011676	Neural Wiskott-Aldrich syndrome protein	1.67	0.60
IPI00413817	Serine incorporator 1	1.66	
IPI00009747	Lanosterol cyclase	1.66	0.03
IPI00183642	Suppressor of hairy wing homolog 3	1.66	
IPI00022078	Differentiation-related gene 1 protein	1.65	0.19
IPI00739099	Collagen alpha-2(V) chain	1.65	0.64
IPI00219344	Calcium-binding protein BDR-1	1.65	0.28
IPI00328243	Choline phosphatase 3	1.65	0.14
IPI00247063	Atriopeptidase	1.64	0.33
IPI00642259	230 kDa bullous pemphigoid antigen	1.64	0.97
IPI00911050	cDNA FLJ53329, highly similar to NADPH:adrenodoxin oxidoreductase, mitochondrial (EC 1.18.1.2)	1.64	
IPI00024307	Ephrin-B1	1.63	
IPI00184871	Uncharacterized protein C6orf130	1.63	
IPI00880117	Apolipoprotein B mRNA editing enzyme, catalytic polypeptide-like 3B	1.63	0.89
IPI00290614	Endonuclease G, mitochondrial	1.62	
IPI00022629	Protein regulator of cytokinesis 1	1.61	0.42
IPI00657752	Putative uncharacterized protein CD81	1.61	0.42
IPI00000398	Nucleolar and spindle-associated protein 1	1.60	0.20
IPI00102660	Progressive external ophthalmoplegia 1 protein	1.60	
IPI00061111	BLM-associated protein of 18 kDa	1.60	0.06
IPI00027223	Cytosolic NADP-isocitrate dehydrogenase	1.60	0.15
IPI00257932	Transcription elongation factor A protein-like 5	1.60	
IPI00375462	Serine/arginine-rich-splicing regulatory protein 86	1.59	0.08
IPI00022745	Mevalonate-PP decarboxylase	1.59	0.28
IPI00465431	35 kDa lectin	1.59	0.07
IPI00743663	E3 ubiquitin-protein ligase TRAF6	1.59	0.51
IPI00549564	Acetoacetyl-CoA synthetase	1.58	
IPI00401829	Uncharacterized protein C14orf38	1.58	0.82
IPI00478390	Cyclin-dependent kinase inhibitor 2A, isoform 4	1.58	
IPI00304483	Polyadenylate-binding protein-interacting protein 2	1.57	
IPI00329598	17-beta-hydroxysteroid dehydrogenase 11	1.56	0.14
IPI00788747	TIMP metalloproteinase inhibitor 2	1.56	
IPI00954084	MHC class I antigen	1.55	0.31
IPI00004758	Autosomal recessive hypercholesterolemia protein	1.55	
IPI00005036	RNA binding motif protein 5	1.55	0.34
IPI00098524	Enzyme-like protein PIT13	1.55	
IPI00479018	Melanoma differentiation-associated protein 9	1.54	0.25
IPI00641384	Protein transport protein Sec16A	1.54	

IPI00018404	Elongin 110 kDa subunit	1.54	
IPI00063213	Mediator complex subunit 30	1.54	0.06
IPI00099497	Transcription factor MafF	1.53	0.32
IPI00647163	Transcription elongation factor A protein-like 4	1.53	0.38
IPI00103521	Stoned B	1.53	1.04
IPI00022145	Nuclear ubiquitous casein and cyclin-dependent kinases substrate	1.53	0.02
IPI00514926	Guanylate kinase 1	1.53	0.58
IPI00166066	ORM1-like protein 3	1.53	
IPI00016542	WD repeat-containing protein 76	1.53	
IPI00011736	Phosphatidylinositol 3-kinase 85 kDa regulatory subunit beta	1.52	0.39
IPI00828172	Protein FAM114A2	1.52	0.30
IPI00029144	PP2A subunit B isoform PR72/PR130	1.52	
IPI00017373	Replication factor A protein 3	1.52	0.38
IPI00215610	55 kDa erythrocyte membrane protein	1.52	0.67
IPI00873459	Septin-10	1.52	
IPI00329784	Brain ryanodine receptor-calcium release channel	1.52	
IPI00028419	Adenovirus E1B19K-binding protein B5	1.51	0.03
IPI00016807	NAD-dependent deacetylase sirtuin-5	1.51	
IPI00029656	Inversely correlated with estrogen receptor expression 1	1.51	
IPI00027166	TIMP metalloproteinase inhibitor 2	1.51	0.36
IPI00006971	Endosialin	1.51	
IPI00552452	Ubiquitin-like modifier activating enzyme 1	1.50	0.41
IPI00464999	Amplified in breast cancer protein 1	1.50	
IPI00607861	6-phosphogluconolactonase	1.50	
IPI00043622	FERM domain-containing protein 6	1.50	
IPI00220578	G(i) alpha-3	1.49	0.27
IPI00940950	Ribosomal protein L10	1.49	1.01
IPI00216088	Cellular retinoic acid-binding protein 2	1.49	0.05
IPI00295940	cDNA FLJ55508, highly similar to Sad1/unc-84-like protein 2	1.49	0.20
IPI00012866	Protein kinase B	1.49	0.18
IPI00012069	Azoreductase	1.49	0.61
IPI00100980	EH domain-containing protein 2	1.48	0.19
IPI00017344	Ras-related protein Rab-5B	1.48	0.07
IPI00921909	Zinc finger protein 185 variant 721	1.48	
IPI00852806	cDNA FLJ13729 fis, clone PLACE3000121, weakly similar to VESICULAR TRAFFIC CONTROL PROTEIN SEC15	1.48	0.65
IPI00216730	Histone H2A type 2-B	1.48	
IPI00551024	ATP-dependent dihydroxyacetone kinase	1.48	0.11
IPI00298946	Down syndrome critical region protein 3	1.48	0.35
IPI00215997	CD9 antigen	1.48	0.31
IPI00306400	Kinesin-like protein 2	1.48	0.31
IPI00001690	Cullin-7	1.48	0.42
IPI00001883	SH3 and PX domain-containing protein 1	1.48	

IPI00042099	Pygopus homolog 2	1.47	0.20
IPI00306046	Developmentally-regulated endothelial cell locus 1 protein	1.47	0.71
IPI00000155	3-hydroxyisobutyrate dehydrogenase-like protein	1.47	0.09
IPI00178899	Cyclin-A/CDK2-associated protein p45	1.47	
IPI00218803	Fibulin-1	1.47	
IPI00301579	cDNA FLJ59142, highly similar to Epididymal secretory protein E1	1.47	0.10
IPI00029665	Cob(I)alamin adenosyltransferase	1.46	0.06
IPI00401002	OriLyt TD-element-binding protein 7	1.46	0.28
IPI00009737	Ras-related GTP-binding protein D	1.46	
IPI00016891	Ras-related protein Rab-6B	1.46	0.41
IPI00641124	cDNA FLJ55777, highly similar to DCN1-like protein 4	1.46	
IPI00008943	ATP-dependent RNA helicase DDX19B	1.46	0.06
IPI00027463	Calcyclin	1.46	
IPI00019407	NAD(P)H steroid dehydrogenase	1.45	0.09
IPI00029605	Chondroitinsulfatase	1.45	0.16
IPI00304875	HIRA-interacting protein 3	1.45	
IPI00043565	Coiled-coil domain-containing protein 16	1.45	0.18
IPI00893949	MHC class I antigen	1.45	0.32
IPI00921172	Peroxisomal carnitine O-octanoyltransferase	1.45	
IPI00289831	Receptor-type tyrosine-protein phosphatase S	1.44	0.71
IPI00166955	Protein canopy homolog 4	1.44	0.12
IPI00550854	Limitrin	1.44	
IPI00296772	ADP-ribosylation factor-binding protein GGA2	1.44	0.12
IPI00031680	Acyl-CoA-binding domain-containing protein 6	1.44	0.35
IPI00009726	Nicotinamide mononucleotide adenylyltransferase 1	1.44	
IPI00026314	Actin-depolymerizing factor	1.44	0.12
IPI00160901	Putative uncharacterized protein GTSE1	1.44	0.60
IPI00792422	WASH complex subunit FAM21A	1.43	0.11
IPI00022865	Cyclin-A2	1.43	
IPI00479217	Heterogeneous nuclear ribonucleoprotein U	1.43	
IPI00027713	Cyclic AMP-responsive element-binding protein 1	1.43	
IPI00014264	Arf-GAP with coiled-coil, ANK repeat and PH domain-containing protein 2	1.43	
IPI00217950	High mobility group nucleosome-binding domain-containing protein 2	1.43	0.23
IPI00303954	Cytochrome b5 outer mitochondrial membrane isoform	1.43	0.06
IPI00551002	cDNA FLJ55173, highly similar to Nuclear distribution protein nudE-like 1	1.43	
IPI00402231	Cysteine string protein	1.43	0.12
IPI00419721	EPM2A-interacting protein 1	1.43	0.67
IPI00395768	Syntaxin-3	1.43	0.02
IPI00027444	Leukocyte elastase inhibitor	1.42	0.02
IPI00216952	70 kDa lamin	1.42	0.41
IPI00257508	Collapsin response mediator protein 2	1.42	0.06
IPI00026781	[Acyl-carrier-protein] S-acetyltransferase	1.42	0.18



IPI00011118	Putative uncharacterized protein RRM2	1.42	0.27
IPI00644290	NDRG family member 3	1.42	0.05
IPI00395488	Protein slit-like 2	1.42	0.42
IPI00307257	TBC1 domain family member 9B	1.42	0.38
IPI00000105	Lung resistance-related protein	1.42	0.07
IPI00936141	AKT-interacting protein	1.41	
IPI00028122	CLL-associated antigen KW-7	1.41	0.18
IPI00021924	Histone H1x	1.41	0.18
IPI00032293	Cystatin-3	1.41	0.28
IPI00023191	cDNA FLJ54710, highly similar to Target of Myb protein 1	1.41	0.26
IPI00816474	Mammalian retrotransposon derived protein 8C	1.41	0.49
IPI00005658	Ubiquitin-like protein 4A	1.41	
IPI00299463	Cell cycle regulatory protein p95	1.40	
IPI00925205	SH3-domain GRB2-like endophilin B2	1.40	
IPI00784013	Janus kinase 1	1.40	0.09
IPI00018195	Mitogen-activated protein kinase 3	1.40	0.15
IPI00328350	Cell growth-inhibiting gene 39 protein	1.40	0.23
IPI00470559	Ankyrin repeat domain-containing protein 25	1.40	0.43
IPI00007941	Cardiac lineage protein 1	1.40	0.11
IPI00657692	cDNA FLJ39535 fis, clone PUAEN2005502, highly similar to Goodpasture antigen-binding protein (EC 2.7.11.9)	1.40	
IPI00478127	Transcription elongation factor A protein-like 3	1.40	
IPI00003527	Ezrin-radixin-moesin-binding phosphoprotein 50	1.40	0.34
IPI00031397	Long-chain acyl-CoA synthetase 3	1.40	0.12
IPI00304962	Alpha-2 type I collagen	1.39	0.14
IPI00384280	Prenylcysteine lyase	1.39	0.13
IPI00221172	N-recognin-7	1.39	0.19
IPI00299214	Thymidine kinase, cytosolic	1.39	0.39
IPI00084828	Syntaxin binding protein 1	1.39	
IPI00103090	Replicative senescence down-regulated leol1-like protein	1.39	
IPI00848090	cDNA, FLJ94534, highly similar to Homo sapiens capping protein (actin filament), gelsolin-like(CAPG), mRNA	1.39	0.55
IPI00003348	G protein subunit beta-2	1.39	0.19
IPI00002478	Endothelin-converting enzyme 1	1.39	0.43
IPI00023832	Adapter protein HOFI	1.39	0.07
IPI00642238	Heterochromatin protein 1-binding protein 3	1.39	0.10
IPI00414657	Chromosome transmission fidelity factor 18 homolog	1.39	0.11
IPI00297646	Alpha-1 type I collagen	1.39	0.11
IPI00010388	Centromere protein B	1.38	0.01
IPI00879287	Putative uncharacterized protein CDCA5	1.38	0.25
IPI00410717	Pogo transposable element with ZNF domain	1.38	0.00
IPI00902843	cDNA FLJ16129 fis, clone BRACE2039823, highly similar to CDP-diacylglycerol--inositol3-phosphatidyltransferase (EC 2.7.8.11)	1.38	

IPI00152303	Phosphatidylinositol-5-phosphate 4-kinase type II gamma	1.38	0.08
IPI00942981	DDRKG domain-containing protein 1	1.38	
IPI00382990	Dermal papilla derived protein 12	1.38	1.05
IPI00028911	Alpha-dystroglycan	1.38	
IPI00644697	Heme-binding protein 2	1.38	0.34
IPI00848174	cDNA FLJ34950 fis, clone NT2RP7017284, highly similar to Casein kinase I isoform epsilon (EC 2.7.11.1)	1.38	
IPI00844090	Collagen alpha-1(V) chain	1.38	0.35
IPI00008726	Iron regulatory protein 2	1.38	
IPI00301609	Nercc1 kinase	1.38	0.22
IPI00447051	B-cell CLL/lymphoma 7 protein family member C	1.37	
IPI00026268	Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1	1.37	0.17
IPI00175029	Transmembrane protein 55A	1.37	0.28
IPI00004312	Signal transducer and activator of transcription 2	1.37	0.30
IPI00102182	Zinc finger FYVE domain-containing protein 21	1.37	
IPI00029015	3-dehydrosphinganine reductase	1.37	
IPI00219718	cDNA FLJ76382, highly similar to Homo sapiens retinol binding protein 1, cellular (RBP1), mRNA	1.37	
IPI00337648	Fas-associated protein-tyrosine phosphatase 1	1.37	
IPI00217541	ATP-dependent RNA helicase DDX51	1.37	1.09
IPI00647389	EH domain-binding mitotic phosphoprotein	1.37	0.49
IPI00018311	Neuroplastin	1.37	0.23
IPI00156984	Charged multivesicular body protein 1b	1.37	0.07
IPI00060521	FLYWCH family member 2	1.37	0.25
IPI00792186	ATP-binding cassette sub-family F member 1	1.37	0.20
IPI00016457	Carnitine acetyltransferase	1.36	
IPI00008599	3-beta-hydroxysteroid-delta(8),delta(7)-isomerase	1.36	
IPI00550781	PRKR-interacting protein 1	1.36	0.24
IPI00168336	LEM domain-containing protein 2	1.36	0.16
<b>Down-regulated</b>			
IPI00514027	Heat shock protein 90kDa alpha (Cytosolic), class B member 1	0.01	
IPI00413517	Rho guanine nucleotide exchange factor 10	0.08	
IPI00796114	cDNA FLJ11889 fis, clone HEMBA1007251, weakly similar to Homo sapiens F-box protein FBX29 (FBX29) mRNA	0.09	
IPI00740545	POTE ankyrin domain family, member I	0.15	0.11
IPI00409761	CHETK-alpha	0.16	
IPI00069084	350/400 kDa PCAF-associated factor	0.17	
IPI00163172	Putative uncharacterized protein SKP2	0.24	
IPI00299145	Cytokeratin-6C	0.29	
IPI00029728	Basic transcription factor 2 80 kDa subunit	0.31	
IPI00028980	Unhealthy ribosome biogenesis protein 2 homolog	0.34	
IPI00299635	Baculoviral IAP repeat-containing protein 6	0.35	0.31

IPI00023020	Alpha-inhibin-31	0.36	
IPI00293307	Adipophilin	0.36	0.15
IPI00022628	cDNA, FLJ93207, highly similar to Homo sapiens microtubule-associated protein 7 (MAP7), mRNA	0.37	
IPI00927606	Cellular glutathione peroxidase	0.38	
IPI00783004	1-phosphatidylinositol-4,5-bisphosphate phosphodiesterase beta-4	0.39	0.37
IPI00007118	Endothelial plasminogen activator inhibitor	0.41	0.05
IPI00016334	Cell surface glycoprotein MUC18	0.42	
IPI00007253	Protein TRS85 homolog	0.43	
IPI00293665	Cytokeratin-6B	0.44	
IPI00012215	UPF0184 protein C9orf16	0.47	
IPI00021685	ADP-ribosylation factor-like protein 6	0.47	
IPI00333913	Neuroblastoma-amplified gene protein	0.48	
IPI00942405	LSM7 homolog, U6 small nuclear RNA associated	0.48	
IPI00010676	Monocyte activation antigen Mo3	0.49	0.01
IPI00747787	Condensin-2 complex subunit D3	0.50	
IPI00018219	Kerato-epithelin	0.51	0.18
IPI00022498	Metallothionein-2	0.53	
IPI00166861	Uncharacterized protein C12orf45	0.53	
IPI00550977	Coiled-coil domain-containing protein 21	0.55	
IPI00025050	Tryptophanyl tRNA synthetase 2, mitochondrial	0.55	0.51
IPI00004436	Cancer-associated Sm-like	0.55	
IPI00377050	13S Golgi transport complex 90 kDa subunit	0.55	0.45
IPI00027693	Nuclear body protein SP140-like protein	0.55	0.00
IPI00396967	Four and a half LIM-domain protein 2	0.55	0.11
IPI00030877	15 kDa selenoprotein	0.56	0.02
IPI00060148	Coiled-coil domain-containing protein 127	0.57	
IPI00150963	RNA pseudouridylylase domain-containing protein 2	0.58	
IPI00297617	PH domain leucine-rich repeat-containing protein phosphatase 1	0.58	
IPI00299219	CCN family member 1	0.58	0.10
IPI00900386	Putative uncharacterized protein GTPBP3	0.58	
IPI00297357	Liver-related putative tumor suppressor	0.58	
IPI00004962	Golgi integral membrane protein 4	0.59	0.04
IPI00015713	CDK5 regulatory subunit-associated protein 1-like 1	0.59	0.23
IPI00793181	Selenoprotein S	0.59	0.22
IPI00815672	Axonal transporter of synaptic vesicles	0.60	
IPI00013735	FAST kinase domain-containing protein 2	0.60	0.35
IPI00747478	Methylmalonic aciduria and homocystinuria type D protein, mitochondrial	0.61	
IPI00917041	Putative uncharacterized protein METTL5	0.61	0.04
IPI00295849	Geranylgeranyl transferase type II subunit beta	0.61	
IPI00414717	Golgi glycoprotein 1	0.61	0.10
IPI00023529	Cell division protein kinase 6	0.61	0.12
IPI00016046	Protein MGR2 homolog	0.62	

IPI00004459	18S rRNA dimethylase	0.62	0.09
IPI00008752	Metallothionein-1G	0.62	0.00
IPI00844311	Uridine-cytidine kinase-like 1	0.62	
IPI00025257	Semaphorin 7A	0.62	
IPI00218696	Caldesmon	0.62	
IPI00178314	Amisyn	0.63	0.04
IPI00884192	Glutathione peroxidase 4	0.64	0.20
IPI00329625	cDNA FLJ56153, highly similar to Homo sapiens transforming growth factor beta regulator 4 (TBRG4), transcript variant 1, mRNA	0.64	0.04
IPI00216135	Alpha-tropomyosin	0.64	0.10
IPI00941549	cDNA FLJ75843, highly similar to Homo sapiens pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 2 (PLEKHA2), mRNA	0.65	
IPI00412787	ADP-ribosylation factor-like protein 5A	0.65	
IPI00556494	Activator-recruited cofactor 36 kDa component	0.66	
IPI00008750	Metallothionein-0	0.66	0.01
IPI00384180	Dopamine receptor-interacting protein 3	0.66	0.08
IPI00797887	cDNA FLJ58199, highly similar to Fragile X mental retardation syndrome-related protein 1	0.66	
IPI00855785	Anastellin	0.66	
IPI00553067	Coiled-coil domain-containing protein 132	0.66	
IPI00414037	Uncharacterized protein C9orf93	0.67	
IPI00480103	Protein FAM83D	0.67	0.46
IPI00478838	Fatty acyl-CoA reductase 1	0.67	0.00
IPI00006142	ARM protein lost in epithelial cancers on chromosome X 2	0.67	
IPI00946154	Basic fibroblast growth factor	0.67	0.05
IPI00419084	DENN domain-containing protein 5B	0.68	
IPI00008711	Wolframin	0.68	
IPI00015953	DEAD box protein 21	0.68	0.04
IPI00294744	Deadenylating nuclease	0.68	
IPI00153032	Protein LTV1 homolog	0.68	0.04
IPI00304181	Eukaryotic translation initiation factor 2C 3	0.69	
IPI00794278	Anaphase-promoting complex subunit 3	0.69	0.71
IPI00456429	60S ribosomal protein L40	0.69	
IPI00929268	cDNA FLJ57057, highly similar to Small subunit processome component 20 homolog	0.69	0.09
IPI00014310	Cullin-1	0.69	0.45
IPI00604527	Threonine--tRNA ligase	0.69	0.01
IPI00010130	Glutamate decarboxylase	0.70	0.19
IPI00646899	Putative uncharacterized protein RPL10	0.70	
IPI00009365	Cytochrome c oxidase assembly protein COX16 homolog, mitochondrial	0.70	0.09
IPI00646748	Tropomyosin 2 (Beta)	0.70	
IPI00011307	Bifunctional methylenetetrahydrofolate dehydrogenase/cyclohydrolase, mitochondrial	0.71	0.04
IPI00001541	Mitochondrial import inner membrane translocase subunit Tim9	0.71	0.12

IPI00470498	PAI1 RNA-binding protein 1	0.71	0.12
IPI00217630	DEAH box protein 37	0.71	
IPI00019004	Translocation protein 1	0.72	0.11
IPI00024579	E3 ubiquitin-protein ligase RAD18	0.72	0.16
IPI00514399	Putative uncharacterized protein RPS27	0.72	0.10
IPI00829835	G patch domain-containing protein 4	0.72	
IPI00554777	Asparagine synthetase [glutamine-hydrolyzing]	0.72	0.06
IPI00152708	U3 small nucleolar RNA-associated protein 15 homolog	0.72	0.03
IPI00009335	Brain protein 16	0.72	0.02
IPI00657953	PTPRF-interacting protein	0.72	
IPI00873982	Myosin heavy chain 11 smooth muscle isoform	0.72	
IPI00871704	Putative uncharacterized protein DIAPH3	0.72	0.12
IPI00015916	Bone-derived growth factor	0.73	
IPI00003310	RPB11a protein	0.73	
IPI00791720	Protein Smaug homolog 2	0.73	
IPI00291646	Methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1-like	0.73	0.03
IPI00446294	Target of Myb-like protein 2	0.73	
IPI00759776	Alpha actin 1	0.73	
IPI00024425	Putative uncharacterized protein KIAA0664	0.73	
IPI00384471	Bromodomain containing 1	0.73	
IPI00016207	Inner membrane preprotein translocase Tim17a	0.73	
IPI00216674	Apoptotic protease Mch-3	0.73	
IPI00794521	Putative uncharacterized protein DKFZp434J046	0.73	
IPI00014516	Caldesmon	0.73	0.06
IPI00396329	Brix domain-containing protein 1	0.73	0.02
IPI00456899	RING finger protein 169	0.74	
IPI00298928	Leucine-rich repeat protein SHOC-2	0.74	
IPI00065671	Cytidine monophosphokinase 2	0.74	0.13
IPI00219153	60S ribosomal protein L22	0.74	0.20
IPI00909247	cDNA FLJ51655, highly similar to Actin-like protein 2	0.74	
IPI00006050	Family with sequence similarity 115, member A	0.74	
IPI00009943	Tumor protein, translationally-controlled 1	0.74	0.02
IPI00642369	cDNA FLJ60364, highly similar to Stat3-interacting protein	0.74	
IPI00829741	Ankyrin repeat and LEM domain-containing protein 2	0.74	
IPI00019835	Bcl-2-like protein 12	0.74	0.14

**Table S4.** Pathways perturbed by potassium dichromate treatment, as identified by GenMAPP analysis. (A) Summary of significantly perturbed pathways. (B) List of proteins involved in the perturbed pathways.

(A)

MAPP Name	Number Changed	Number Measured	Number on MAPP	Percent Changed	Percent Present	Z Score
<b>Down-regulated Pathway</b>						
Selenium Pathway	3	24	87	12.5	27.6	3.0
<b>Up-regulated Pathway</b>						
Cholesterol Biosynthesis	13	16	21	81.3	76.2	11.1
Signal Transduction of S1P Receptor	3	7	24	42.9	29.2	3.8
Inflammatory Response Pathway	3	8	32	37.5	25.0	3.4
IL-5 Signaling Pathway	6	29	70	20.7	41.4	3.0
estrogen signalling	3	10	23	30.0	43.5	2.9
G Protein Signaling Pathways	6	32	94	18.8	34.0	2.7

(B)

IPI NO.	Symbol	Protein Name	Ratio
<b>Down-regulate Pathway</b>			
<b>Selenium Pathway</b>			
IPI00030877	RP4-604K5.1	15 kDa selenoprotein	0.56±0.02
IPI00007118	SERPINE1	Endothelial plasminogen activator inhibitor	0.41±0.05
IPI00793181	AC023024.1	Selenoprotein S	0.59±0.22
<b>Up-regulated Pathway</b>			
<b>Cholesterol Biosynthesis</b>			
IPI00019407	NSDHL	NAD(P)H steroid dehydrogenase	1.45±0.09
IPI00914566	FDPS	Farnesyl diphosphate synthetase	2.04±0.11
IPI00022745	MVD	Mevalonate-PP decarboxylase	1.59±0.28
IPI00009747	LSS	Lanosterol cyclase	1.66±0.03
IPI00008599	EBP	3-beta-hydroxysteroid-delta(8),delta(7)-isomerase	1.36
IPI00008475	HMGCS1	HMG-CoA synthase	4.10±0.86
IPI00295772	CYP51A1	Lanosterol 14 alpha-demethylase	1.78±0.06
IPI00020944	FDFT1	Squalene synthase	4.19±0.67
IPI00294501	DHCR7	7-dehydrocholesterol reductase	2.13±0.09
IPI00010717	MVK	Mevalonate kinase	2.04
IPI00220014	IDI1	Isopentenyl-PP-delta-isomerase	3.17±0.36
IPI00291419	ACAT2	Acetoacetyl-CoA acetyltransferase-2	1.68±0.12
IPI00016703	DHCR24	Desmosterol reductase	2.05±0.56

<b>Signal Transduction of S1P Receptor</b>			
IPI00018195	MAPK3	Mitogen-activated protein kinase 3	1.40±0.15
IPI00012866	AKT1	Protein kinase B	1.49±0.18
IPI00220578	GNAI3	G(i) alpha-3	1.49±0.27
<b>Inflammatory Response Pathway</b>			
IPI00021033	COL3A1	Collagen alpha-1(III) chain	2.14±0.50
IPI00297646	COL1A1	Alpha-1 type I collagen	1.39±0.11
IPI00304962	COL1A2	Alpha-2 type I collagen	1.39±0.14
<b>IL-5 Signaling Pathway</b>			
IPI00784013	JAK1	Janus kinase 1	1.40±0.09
IPI00011736	PIK3R2	Phosphatidylinositol 3-kinase 85 kDa regulatory subunit beta	1.52±0.39
IPI00012866	AKT1	Protein kinase B	1.49±0.18
IPI00219628	PRKCB	Protein kinase C beta type	1.96
IPI00299086	SDCBP	Melanoma differentiation-associated protein 9	1.80±0.22
IPI00018195	MAPK3	Mitogen-activated protein kinase 3	1.40±0.15
<b>Estrogen Signalling</b>			
IPI00027713	CREB1	Cyclic AMP-responsive element-binding protein 1	1.43
IPI00026268	GNB1	Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1	1.37±0.17
IPI00012866	AKT1	Protein kinase B	1.49±0.18
<b>G Protein Signaling Pathways</b>			
IPI00027240	GNG5	Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-5	1.93±0.01
IPI00220578	GNAI3	G(i) alpha-3	1.49±0.27
IPI00303297	DNAJC25	DnaJ homolog subfamily C member 25	1.80
IPI00026268	GNB1	Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1	1.37±0.17
IPI00003348	GNB2	G protein subunit beta-2	1.39±0.19
IPI00219628	PRKCB	Protein kinase C beta type	1.96

**Table S5.** GO annotation of significantly changed proteins by potassium dichromate treatment, as identified by GenMAPP analysis. (A) Summary of GO types. (B) List of proteins involved in different GO types.

(A)

GO Name	Number Changed	Number Measured	Number in GO	Percent Changed	Percent Present	Z Score
<b>Down-regulated GO Type</b>						
<b>Biological Process</b>						
tissue regeneration	3	9	35	33.3	25.7	5.8
regulation of inflammatory response	4	16	135	25.0	11.9	5.6
cellular divalent inorganic cation homeostasis	5	24	208	20.8	11.5	5.6
regulation of cell-matrix adhesion	3	11	43	27.3	25.6	5.1
wound healing	4	19	70	21.1	27.1	5.0
muscle cell development	3	12	40	25.0	30.0	4.9
<b>Cellular Component</b>						
contractile fiber	3	9	40	33.3	22.5	5.8
platelet alpha granule lumen	3	10	48	30.0	20.8	5.4
contractile fiber part	5	37	125	13.5	29.6	4.2
actin filament bundle	3	25	39	12.0	64.1	2.9
extracellular region	10	160	2036	6.3	7.9	2.9
<b>Molecular Function</b>						
heparin binding	4	16	126	25.0	12.7	5.6
extracellular matrix binding	3	13	39	23.1	33.3	4.6
structural constituent of muscle	3	14	45	21.4	31.1	4.4
integrin binding	4	26	78	15.4	33.3	4.1
antioxidant activity	3	22	57	13.6	38.6	3.2
<b>Up-regulated GO Type</b>						
<b>Biological Process</b>						
cholesterol biosynthetic process	13	18	33	72.2	54.5	10.8
epidermis development	9	27	152	33.3	17.8	5.9
skeletal system development	9	30	175	30.0	17.1	5.5
cell-cell signaling	13	73	637	17.8	11.5	4.2
digestive system process	3	7	38	42.9	18.4	4.1
homophilic cell adhesion	3	7	137	42.9	5.1	4.1
G-protein coupled receptor protein signaling pathway	6	33	1127	18.2	2.9	2.9
<b>Cellular Component</b>						
fibrillar collagen	5	6	12	83.3	50.0	7.9



GO Name	Number Changed	Number Measured	Number in GO	Percent Changed	Percent Present	Z Score
extrinsic to internal side of plasma membrane	6	14	50	42.9	28.0	5.8
extracellular matrix	12	50	330	24.0	15.2	5.3
basement membrane	6	22	78	27.3	28.2	4.2
extracellular region	22	160	2036	13.8	7.9	4.1
G-protein-coupled receptor binding	46	481	3659	9.6	13.1	3.4
<b>Molecular Function</b>						
platelet-derived growth factor binding	4	6	11	66.7	54.5	6.2
extracellular matrix structural constituent	8	22	87	36.4	25.3	5.9
beta-amyloid binding	3	5	22	60.0	22.7	5.0
calcium ion binding	18	128	764	14.1	16.8	3.8
integrin binding	6	26	78	23.1	33.3	3.6

(B)

IPI NO.	Symbol	Protein Name	Ratio
<b>Down-regulated GO Type</b>			
<b>Biological Process</b>			
<b>Tissue Regeneration</b>			
IPI00010676	PLAUR	Monocyte activation antigen Mo3	0.49±0.01
IPI00007118	SERPINE1	Endothelial plasminogen activator inhibitor	0.41±0.05
IPI00927606	GPX1	Cellular glutathione peroxidase	0.38
<b>Regulation of Inflammatory Response</b>			
IPI00793181	AC023024.1	Selenoprotein S	0.59±0.22
IPI00025257	SEMA7A	Semaphorin 7A	0.62
IPI00007118	SERPINE1	Endothelial plasminogen activator inhibitor	0.41±0.05
IPI00927606	GPX1	Cellular glutathione peroxidase	0.38
<b>Cellular Divalent Inorganic Cation Homeostasis</b>			
IPI00009943	TPT1	Tumor protein, translationally-controlled 1	0.74±0.02
IPI00008750	MT1H	Metallothionein-0	0.66±0.01
IPI00022498	MT2A	Metallothionein-2	0.53
IPI00008711	WFS1	Wolframin	0.68
IPI00946154	FGF2	Basic fibroblast growth factor	0.67±0.05
<b>Regulation of Cell-matrix Adhesion</b>			
IPI00023529	CDK6	Cell division protein kinase 6	0.61±0.12
IPI00007118	SERPINE1	Endothelial plasminogen activator inhibitor	0.41±0.05

<b>IPI NO.</b>	<b>Symbol</b>	<b>Protein Name</b>	<b>Ratio</b>
IPI00941549	PLEKHA2	cDNA FLJ75843, highly similar to Homo sapiens pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 2 (PLEKHA2), mRNA	0.65
<b>Wound Healing</b>			
IPI00855785	FN1	Anastellin	0.66
IPI00007118	SERPINE1	Endothelial plasminogen activator inhibitor	0.41±0.05
IPI00216135	TPM1	Alpha-tropomyosin	0.64±0.10
IPI00946154	FGF2	Basic fibroblast growth factor	0.67±0.05
<b>Muscle Cell Development</b>			
IPI00396967	FHL2	Four and a half LIM-domain protein 2	0.55±0.11
IPI00873982	MYH11	Myosin heavy chain 11 smooth muscle isoform	0.72
IPI00927606	GPX1	Cellular glutathione peroxidase	0.38
<b>Cellular Component</b>			
<b>Contractile Fiber</b>			
IPI00014516	CALD1	Caldesmon	0.73±0.06
IPI00216135	TPM1	Alpha-tropomyosin	0.64±0.10
IPI00873982	MYH11	Myosin heavy chain 11 smooth muscle isoform	0.72
<b>Platelet Alpha Granule Lumen</b>			
IPI00855785	FN1	Anastellin	0.66
IPI00007118	SERPINE1	Endothelial plasminogen activator inhibitor	0.41±0.05
IPI00759776	ACTN1	Alpha actin 1	0.73
<b>Contractile Fiber Part</b>			
IPI00396967	FHL2	Four and a half LIM-domain protein 2	0.55±0.11
IPI00646748	TPM2	Tropomyosin 2 (Beta)	0.70
IPI00216135	TPM1	Alpha-tropomyosin	0.64±0.10
IPI00873982	MYH11	Myosin heavy chain 11 smooth muscle isoform	0.72
IPI00759776	ACTN1	Alpha actin 1	0.73
<b>Actin Filament Bundle</b>			
IPI00216135	TPM1	Alpha-tropomyosin	0.64±0.10
IPI00873982	MYH11	Myosin heavy chain 11 smooth muscle isoform	0.72
IPI00759776	ACTN1	Alpha actin 1	0.73
<b>Extracellular Region</b>			
IPI00855785	FN1	Anastellin	0.66
IPI00018219	TGFBI	Kerato-epithelin	0.51±0.18

<b>IPI NO.</b>	<b>Symbol</b>	<b>Protein Name</b>	<b>Ratio</b>
IPI00010676	PLAUR	Monocyte activation antigen Mo3	0.49±0.01
IPI00299219	CYR61	CCN family member 1	0.58±0.10
IPI00023020	SEMG1	Alpha-inhibin-31	0.36
IPI00293307	PLIN2	Adipophilin	0.36±0.15
IPI00946154	FGF2	Basic fibroblast growth factor	0.67±0.05
IPI00740545	POTEI	POTE ankyrin domain family, member I	0.15±0.11
IPI00007118	SERPINE1	Endothelial plasminogen activator inhibitor	0.41±0.05
IPI00759776	ACTN1	Alpha actin 1	0.73
<b>Molecular Function</b>			
<b>Heparin Binding</b>			
IPI00855785	FN1	Anastellin	0.66
IPI00299219	CYR61	CCN family member 1	0.58±0.10
IPI00946154	FGF2	Basic fibroblast growth factor	0.67±0.05
IPI00219153	RPL22	60S ribosomal protein L22	0.74±0.20
<b>Extracellular Matrix Binding</b>			
IPI00018219	TGFBI	Kerato-epithelin	0.51±0.18
IPI00299219	CYR61	CCN family member 1	0.58±0.10
IPI00941549	PLEKHA2	cDNA FLJ75843, highly similar to Homo sapiens pleckstrin homology domain containing, family A (phosphoinositide binding specific) member 2 (PLEKHA2), mRNA	0.65
<b>Structural Constituent of Muscle</b>			
IPI00646748	TPM2	Tropomyosin 2 (Beta)	0.70
IPI00216135	TPM1	Alpha-tropomyosin	0.64±0.10
IPI00873982	MYH11	Myosin heavy chain 11 smooth muscle isoform	0.72
<b>Integrin Binding</b>			
IPI00018219	TGFBI	Kerato-epithelin	0.51±0.18
IPI00025257	SEMA7A	Semaphorin 7A	0.62
IPI00299219	CYR61	CCN family member 1	0.58±0.10
IPI00759776	ACTN1	Alpha actin 1	0.73
<b>Antioxidant Activity</b>			
IPI00793181	AC023024.1	Selenoprotein S	0.59±0.22
IPI00030877	RP4-604K5.1	15 kDa selenoprotein	0.56±0.02
IPI00927606	GPX1	Cellular glutathione peroxidase	0.38
<b>Up-regulated GO Type</b>			
<b>Biological Process</b>			

IPI NO.	Symbol	Protein Name	Ratio
<b>Cholesterol Biosynthetic Process</b>			
IPI00019407	NSDHL	NAD(P)H steroid dehydrogenase	1.45±0.09
IPI00914566	FDPS	Farnesyl diphosphate synthetase	2.04±0.11
IPI00008475	HMGCS1	HMG-CoA synthase	4.10±0.86
IPI00022745	MVD	Mevalonate-PP decarboxylase	1.59±0.28
IPI00009747	LSS	Lanosterol cyclase	1.66±0.03
IPI00008599	EBP	3-beta-hydroxysteroid-delta(8),delta(7)-isomerase	1.36
IPI00016703	DHCR24	Desmosterol reductase	2.05±0.56
IPI00295772	CYP51A1	Lanosterol 14 alpha-demethylase	1.78±0.06
IPI00020944	FDFT1	Squalene synthase	4.19±0.67
IPI00294501	DHCR7	7-dehydrocholesterol reductase	2.13±0.09
IPI00010717	MVK	Mevalonate kinase	2.04
IPI00291419	ACAT2	Acetoacetyl-CoA acetyltransferase-2	1.68±0.12
IPI00220014	IDI1	Isopentenyl-PP-delta-isomerase	3.17±0.36
<b>Epidermis Development</b>			
IPI00019407	NSDHL	NAD(P)H steroid dehydrogenase	1.45±0.09
IPI00220327	KRT1	67 kDa cytokeratin	4.01±6.75
IPI00016703	DHCR24	Desmosterol reductase	2.05±0.56
IPI00478390	CDKN2A	Cyclin-dependent kinase inhibitor 2A, isoform 4	1.58
IPI00216088	CRABP2	Cellular retinoic acid-binding protein 2	1.49±0.05
IPI00739099	COL5A2	Collagen alpha-2(V) chain	1.65±0.64
IPI00021033	COL3A1	Collagen alpha-1(III) chain	2.14±0.50
IPI00297646	COL1A1	Alpha-1 type I collagen	1.39±0.11
IPI00844090	COL5A1	Collagen alpha-1(V) chain	1.38±0.35
<b>Skeletal System Development</b>			
IPI00739099	COL5A2	Collagen alpha-2(V) chain	1.65±0.64
IPI00008599	EBP	3-beta-hydroxysteroid-delta(8),delta(7)-isomerase	1.36
IPI00395596	AES	Amino-terminal enhancer of split	2.03
IPI00023832	SH3PXD2B	Adapter protein HOFI	1.39±0.07
IPI00021033	COL3A1	Collagen alpha-1(III) chain	2.14±0.50
IPI00465431	LGALS3	35 kDa lectin	1.59±0.07
IPI00304227	CDH11	Cadherin-11	1.83
IPI00304962	COL1A2	Alpha-2 type I collagen	1.39±0.14
IPI00297646	COL1A1	Alpha-1 type I collagen	1.39±0.11
<b>Cell-cell Signaling</b>			
IPI00024307	EFNB1	Ephrin-B1	1.63
IPI00027240	GNG5	Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-5	1.93±0.01
IPI00220578	GNAI3	G(i) alpha-3	1.49±0.27

<b>IPI NO.</b>	<b>Symbol</b>	<b>Protein Name</b>	<b>Ratio</b>
IPI00027713	CREB1	Cyclic AMP-responsive element-binding protein 1	1.43
IPI00026268	GNB1	Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1	1.37±0.17
IPI00003348	GNB2	G protein subunit beta-2	1.39±0.19
IPI00247063	MME	Atriopeptidase	1.64±0.33
IPI00084828	STXBP1	Syntaxin binding protein 1	1.39
IPI00219628	PRKCB	Protein kinase C beta type	1.96
IPI00299086	SDCBP	Melanoma differentiation-associated protein 9	1.80±0.22
IPI00027462	S100A9	Calgranulin-B	10.60
IPI00012069	NQO1	Azoreductase	1.49±0.61
IPI00402231	DNAJC5	Cysteine string protein	1.43±0.12
<b>Digestive System Process</b>			
IPI00000070	LDLR	Low-density lipoprotein receptor	3.21±0.90
IPI00008726	IREB2	Iron regulatory protein 2	1.38
IPI00022990	STATH	Statherin	11.11
<b>Homophilic Cell Adhesion</b>			
IPI00304227	CDH11	Cadherin-11	1.83
IPI00107831	PTPRF	Leukocyte common antigen related	2.18
IPI00018311	NPTN	Neuroplastin	1.37±0.23
<b>G-protein coupled receptor protein signaling pathway</b>			
IPI00027240	GNG5	Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-5	1.93±0.01
IPI00220578	GNAI3	G(i) alpha-3	1.49±0.27
IPI00303297	DNAJC25	DnaJ homolog subfamily C member 25	1.80
IPI00026268	GNB1	Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1	1.37±0.17
IPI00012866	AKT1	Protein kinase B	1.49±0.18
IPI00003348	GNB2	G protein subunit beta-2	1.39±0.19
<b>Cellular Component</b>			
<b>Fibrillar Collagen</b>			
IPI00844090	COL5A1	Collagen alpha-1(V) chain	1.38±0.35
IPI00021033	COL3A1	Collagen alpha-1(III) chain	2.14±0.50
IPI00739099	COL5A2	Collagen alpha-2(V) chain	1.65±0.64
IPI00304962	COL1A2	Alpha-2 type I collagen	1.39±0.14
IPI00297646	COL1A1	Alpha-1 type I collagen	1.39±0.11
<b>Extrinsic to Internal Side of Plasma Membrane</b>			
IPI00027240	GNG5	Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-5	1.93±0.01
IPI00220578	GNAI3	G(i) alpha-3	1.49±0.27

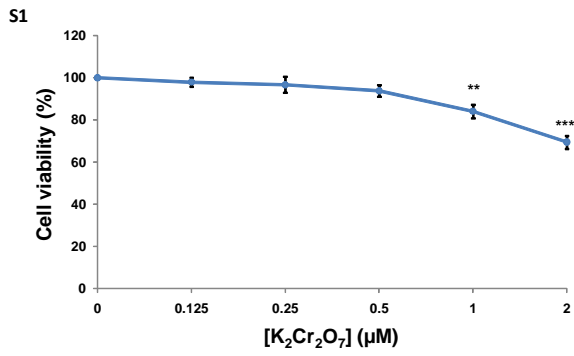
<b>IPI NO.</b>	<b>Symbol</b>	<b>Protein Name</b>	<b>Ratio</b>
IPI00303297	DNAJC25	DnaJ homolog subfamily C member 25	1.80
IPI00026268	GNB1	Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1	1.37±0.17
IPI00027463	S100A6	Calcyclin	1.46
IPI00303297	DNAJC25	DnaJ homolog subfamily C member 25	1.80
IPI00001883	SNX9	SH3 and PX domain-containing protein 1	1.48
<b>Extracellular Matrix</b>			
IPI00006971	CD248	Endosialin	1.51
IPI00299738	PCOLCE	Procollagen C-endopeptidase enhancer 1	1.78±0.16
IPI00218803	FBLN1	Fibulin-1	1.47
IPI00645849	ECM1	Extracellular matrix protein 1	1.70±0.20
IPI00844090	COL5A1	Collagen alpha-1(V) chain	1.38±0.35
IPI00739099	COL5A2	Collagen alpha-2(V) chain	1.65±0.64
IPI00027166	TIMP2	TIMP metalloproteinase inhibitor 2	1.51±0.36
IPI00021033	COL3A1	Collagen alpha-1(III) chain	2.14±0.50
IPI00465431	LGALS3	35 kDa lectin	1.59±0.07
IPI00297646	COL1A1	Alpha-1 type I collagen	1.39±0.11
IPI00176193	COL14A1	Collagen alpha-1(XIV) chain	3.33±4.49
IPI00304962	COL1A2	Alpha-2 type I collagen	1.39±0.14
<b>Basement Membrane</b>			
IPI00028911	DAG1	Alpha-dystroglycan	1.38
IPI00218803	FBLN1	Fibulin-1	1.47
IPI00027166	TIMP2	TIMP metalloproteinase inhibitor 2	1.51±0.36
IPI00844090	COL5A1	Collagen alpha-1(V) chain	1.38±0.35
IPI00642259	DST	230 kDa bullous pemphigoid antigen	1.64±0.97
IPI00032293	CST3	Cystatin-3	1.41±0.28
<b>Extracellular Region</b>			
IPI00028911	DAG1	Alpha-dystroglycan	1.38
IPI00299738	PCOLCE	Procollagen C-endopeptidase enhancer 1	1.78±0.16
IPI00410297	HPSE	Endo-glucuronidase	2.45
IPI00329598	HSD17B11	17-beta-hydroxysteroid dehydrogenase 11	1.56±0.14
IPI00022990	STATH	Statherin	11.11
IPI00739099	COL5A2	Collagen alpha-2(V) chain	1.65±0.64
IPI00026314	GSN	Actin-depolymerizing factor	1.44±0.12
IPI00847793	DCD	Dermcidin isoform 2	2.12±3.46
IPI00844090	COL5A1	Collagen alpha-1(V) chain	1.38±0.35
IPI00301579	NPC2	cDNA FLJ59142, highly similar to Epididymal secretory protein E1	1.47±0.10
IPI00176193	COL14A1	Collagen alpha-1(XIV) chain	3.33±4.49

<b>IPI NO.</b>	<b>Symbol</b>	<b>Protein Name</b>	<b>Ratio</b>
IPI00027462	S100A9	Calgranulin-B	10.60
IPI00945846	PRSS1	Alpha-trypsin chain 1	46.16±79.91
IPI00306046	EDIL3	Developmentally-regulated endothelial cell locus 1 protein	1.47±0.71
IPI00218803	FBLN1	Fibulin-1	1.47
IPI00645849	ECM1	Extracellular matrix protein 1	1.70±0.20
IPI00395488	VASN	Protein slit-like 2	1.42±0.42
IPI00027166	TIMP2	TIMP metalloproteinase inhibitor 2	1.51±0.36
IPI00021033	COL3A1	Collagen alpha-1(III) chain	2.14±0.50
IPI00297646	COL1A1	Alpha-1 type I collagen	1.39±0.11
IPI00304962	COL1A2	Alpha-2 type I collagen	1.39±0.14
IPI00032293	CST3	Cystatin-3	1.41±0.28
<b>G-protein coupled receptor binding</b>			
IPI00026268	GNB1	Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1	1.37±0.17
IPI00220578	GNAI3	G(i) alpha-3	1.49±0.27
IPI00299086	SDCBP	Melanoma differentiation-associated protein 9	1.80±0.22
IPI00003527	SLC9A3R1	Ezrin-radixin-moesin-binding phosphoprotein 50	1.40±0.34
<b>Molecular Function</b>			
<b>Platelet-derived Growth Factor Binding</b>			
IPI00844090	COL5A1	Collagen alpha-1(V) chain	1.38±0.35
IPI00021033	COL3A1	Collagen alpha-1(III) chain	2.14±0.50
IPI00297646	COL1A1	Alpha-1 type I collagen	1.39±0.11
IPI00304962	COL1A2	Alpha-2 type I collagen	1.39±0.14
<b>Extracellular Matrix Structural Constituent</b>			
IPI00218803	FBLN1	Fibulin-1	1.47
IPI00022990	STATH	Statherin	11.11
IPI00844090	COL5A1	Collagen alpha-1(V) chain	1.38±0.35
IPI00739099	COL5A2	Collagen alpha-2(V) chain	1.65±0.64
IPI00021033	COL3A1	Collagen alpha-1(III) chain	2.14±0.50
IPI00297646	COL1A1	Alpha-1 type I collagen	1.39±0.11
IPI00176193	COL14A1	Collagen alpha-1(XIV) chain	3.33±4.49
IPI00304962	COL1A2	Alpha-2 type I collagen	1.39±0.14
<b>Beta-amyloid Binding</b>			
IPI00016014	ITM2C	Cerebral protein 14	2.87
IPI00032293	CST3	Cystatin-3	1.41±0.28
IPI00004758	LDLRAP1	Autosomal recessive hypercholesterolemia protein	1.55

<b>IPI NO.</b>	<b>Symbol</b>	<b>Protein Name</b>	<b>Ratio</b>
<b>Calcium Ion Binding</b>			
IPI00027462	S100A9	Calgranulin-B	10.60
IPI00006971	CD248	Endosialin	1.51
IPI00329784	RYR3	Brain ryanodine receptor-calcium release channel	1.52
IPI00219344	HPCAL1	Calcium-binding protein BDR-1	1.65±0.28
IPI00004312	STAT2	Signal transducer and activator of transcription 2	1.37±0.30
IPI00307257	TBC1D9B	TBC1 domain family member 9B	1.42±0.38
IPI00000070	LDLR	Low-density lipoprotein receptor	3.21±0.90
IPI00218803	FBLN1	Fibulin-1	1.47
IPI00027463	S100A6	Calcyclin	1.46
IPI00909366	MYL6B	cDNA FLJ60058, highly similar to Myosin light chain 1, slow-twitch muscle A isoform	2.14±1.79
IPI00100980	EHD2	EH domain-containing protein 2	1.48±0.19
IPI00398625	HRNR	Hornerin	1.92±3.15
IPI00026314	GSN	Actin-depolymerizing factor	1.44±0.12
IPI00642259	DST	230 kDa bullous pemphigoid antigen	1.64±0.97
IPI00304227	CDH11	Cadherin-11	1.83
IPI00306046	EDIL3	Developmentally-regulated endothelial cell locus 1 protein	1.47±0.71
IPI00029144	PPP2R3A	PP2A subunit B isoform PR72/PR130	1.52
IPI00028911	DAG1	Alpha-dystroglycan	1.38
<b>Integrin Binding</b>			
IPI00215997	CD9	CD9 antigen	1.48±0.31
IPI00306046	EDIL3	Developmentally-regulated endothelial cell locus 1 protein	1.47±0.71
IPI00844090	COL5A1	Collagen alpha-1(V) chain	1.38±0.35
IPI00027166	TIMP2	TIMP metalloproteinase inhibitor 2	1.51±0.36
IPI00021033	COL3A1	Collagen alpha-1(III) chain	2.14±0.50
IPI00642259	DST	230 kDa bullous pemphigoid antigen	1.64±0.97



**Figure S1.** Cell viability test with MTT assay of GM00637 cells after 24 hrs of treatment with 0, 0.125, 0.5, 1, 2  $\mu\text{M}$  potassium dichromate.



**Figure S2.** Determination of the threshold value of significantly changed proteins by Perseus.

