

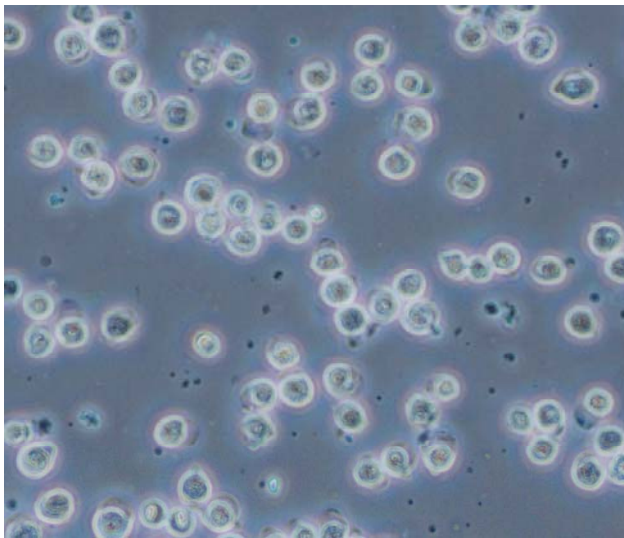
Supplementary Information for
“Global Proteome Quantification for Discovering Imatinib-induced
Perturbation of Multiple Biological Pathways in K562 Human
Chronic Myeloid Leukemia Cells”

by Lei Xiong, et al.

(*J. Proteome Res.*, 2010, Volume 9)

Figure S1. Light microscopic images for control (A) and imatinib-treated (B) K562 cells after benzidine staining.

A.



B.

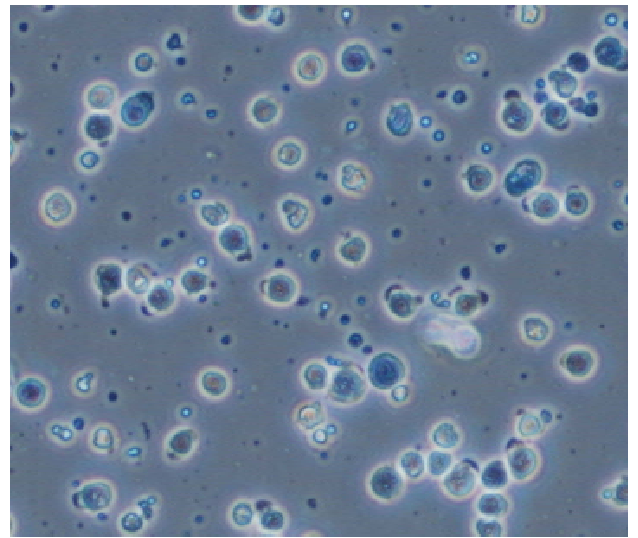


Figure S2. The heme biosynthesis pathway. Enzymes catalyzing the individual reactions in this pathway are indicated. The three enzymes found, by SILAC experiments, to be altered upon imatinib treatment are highlighted in red. Abbreviations: PBGD, porphobilinogen deaminase; UCoS, uroporphyrinogen III cosynthase; UROD, uroporphyrinogen decarboxylase; CPO, coproporphyrinogen oxidase; PPO, protoporphyrinogen oxidase; side chains: A, $-\text{CH}_2\text{COO}^-$; P, $-\text{CH}_2\text{CH}_2\text{COO}^-$; V, $-\text{CH}=\text{CH}$; M, $-\text{CH}_3$.

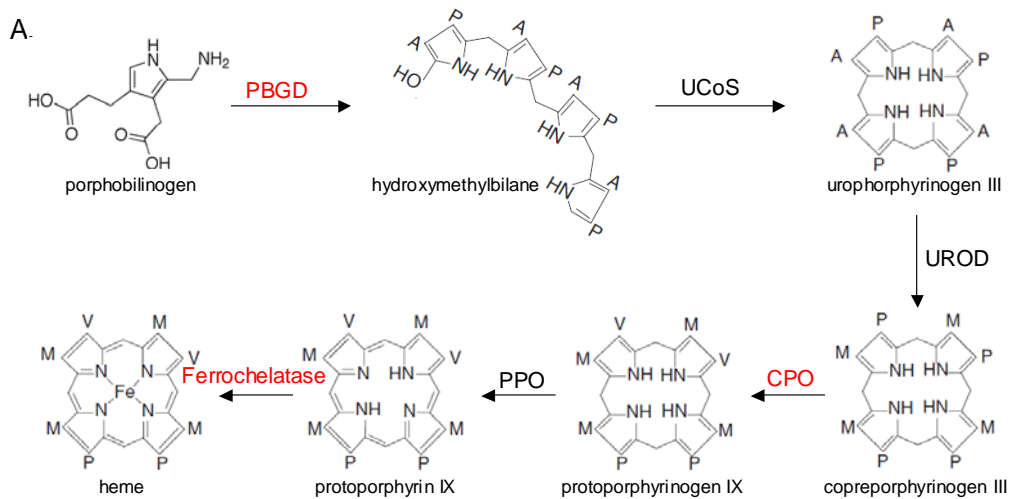


Figure S3. LC-MS of the intact histone H4 extracted from control (A) and imatinib-treated (B)

K562 cells. The spectra were acquired on the Agilent QTOF mass spectrometer.

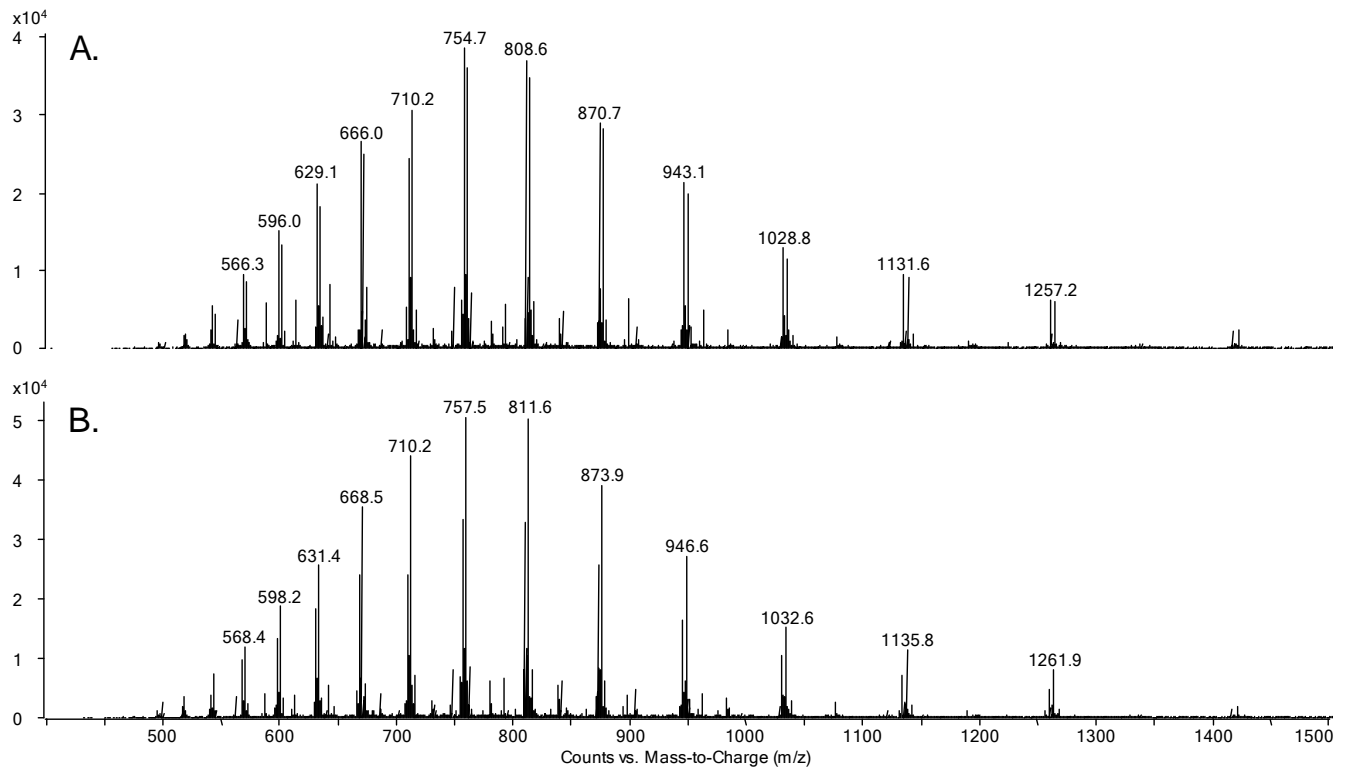


Figure S4. ESI-LC-MS/MS for the Asp-N-produced mono- (A), di- (B), and tri-acetylated (C) $_{1}\text{S}\text{R}\text{G}\text{K}\text{G}\text{G}\text{K}\text{G}\text{L}\text{G}\text{K}\text{G}\text{G}\text{A}\text{K}\text{R}\text{H}\text{R}\text{K}\text{V}\text{L}\text{R}_{23}$ of histone H4 extracted from K562 cells. This peptide is also dimethylated on K20. “ac” and “2me” designate the acetylation and dimethylation sites; “1/2ac” listed in the peptide sequence represents the sites (K5 and K8) that are partially acetylated.

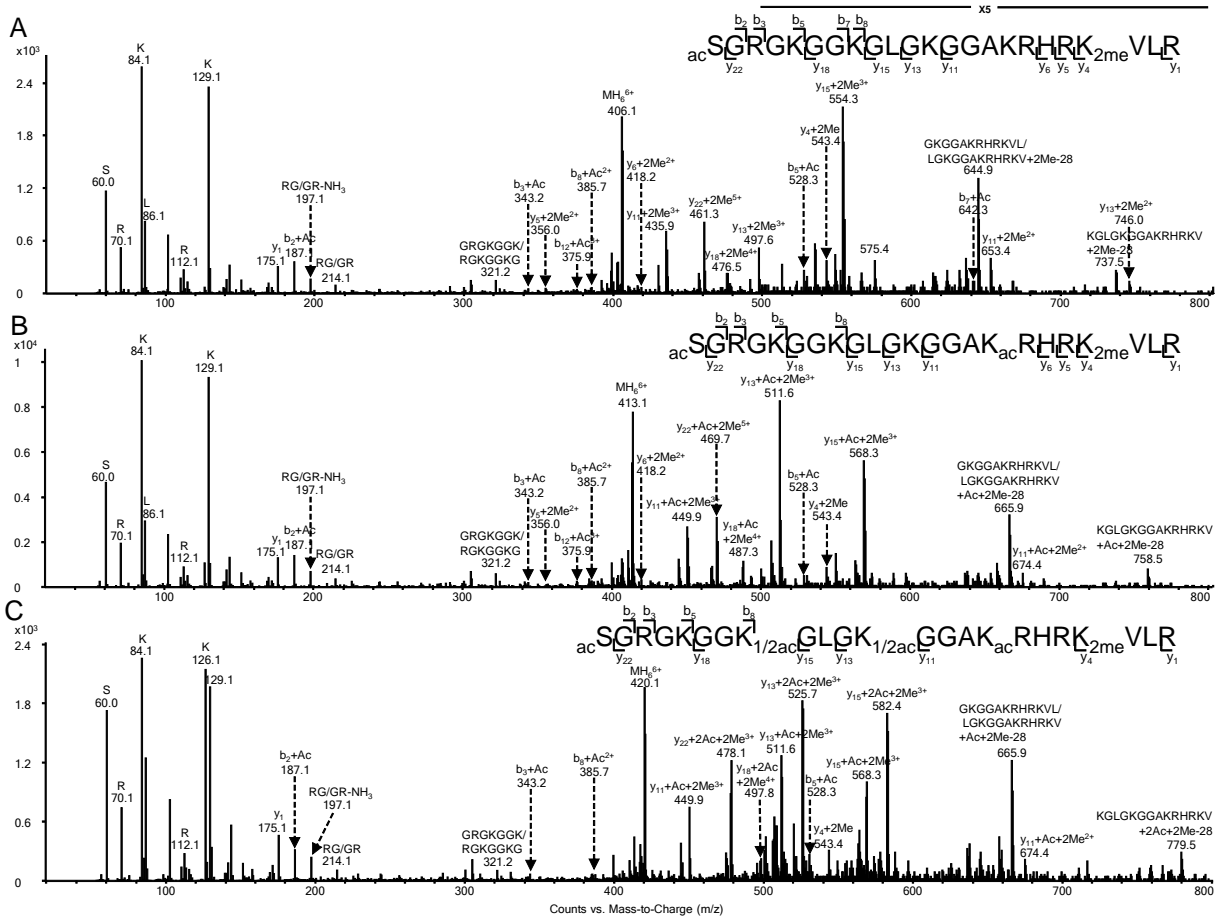


Table S1. Detailed results for all the proteins quantified in this study. “S.D.” represents standard deviations calculated based on results from three cycles of SILAC measurements.

IPI number	Protein name	Peptide number	forward 1	reverse 2	reverse 3	Average	S.D.
IPI00032561.1	Calcium-binding protein 39	2	0.353		0.438	0.396	0.060
IPI00002214.1	Importin alpha-2 subunit	6	0.505	0.535	0.524	0.521	0.015
IPI00221108.4	Thymidylate synthase	2	0.485	0.513	0.569	0.522	0.043
IPI00011631.5	Centromere/kinetochore protein zw10 homolog	1		0.493	0.609	0.493	0.082
IPI00010349.1	Alkyldihydroxyacetonephosphate synthase, peroxisomal precursor	2	0.504	0.642	0.524	0.557	0.075
IPI00013068.1	Eukaryotic translation initiation factor 3 subunit 6	2	0.685		0.450	0.567	0.166
IPI00005045.1	ATP-binding cassette sub-family F member 2	5	0.568	0.534	0.605	0.569	0.036
IPI00026182.4	F-actin capping protein alpha-2 subunit	2	0.508		0.652	0.580	0.102
IPI00218505.6	Protein FAM112B	2	0.611	0.595	0.550	0.585	0.032
IPI00337602.4	56 kDa protein	1		0.651	0.524	0.588	0.090
IPI00218292.2	Splice Isoform Short of Ubiquitin fusion degradation protein	4	0.758		0.438	0.598	0.226
IPI00306043.1	Splice Isoform 1 of YTH domain protein 2	1	0.588	0.611	0.602	0.600	0.011
IPI00009010.3	UPF0315 protein AD-001	2	0.660	0.549	0.609	0.606	0.055
IPI00743544.1	15 kDa protein	1		0.624	0.591	0.607	0.023
IPI00220113.1	Splice Isoform 2 of Microtubule-associated protein 4	11	0.568	0.629	0.630	0.609	0.036
IPI00183294.3	Nuclear pore complex protein Nup214	7	0.439	0.743	0.650	0.610	0.156
IPI00221035.3	Splice Isoform 1 of Transcription factor BTF3	3	0.559	0.702	0.577	0.612	0.078
IPI00291669.3	Ubiquitin-like domain containing CTD phosphatase 1	2	0.699	0.568	0.588	0.618	0.071
IPI00305166.1	Succinate dehydrogenase [ubiquinone] flavoprotein subunit, mitochondrial precursor	1		0.590	0.652	0.621	0.044
IPI00329625.2	Cell cycle progression 2 protein isoform 1	2	0.794		0.449	0.621	0.244
IPI00021266.1	60S ribosomal protein L23a	9	0.613	0.764	0.510	0.629	0.128
IPI00009057.1	Splice Isoform A of Ras-GTPase-activating protein-binding protein 2	6	0.629	0.675	0.589	0.631	0.043
IPI00176692.7	Heterogeneous nuclear ribonucleoprotein A1	4	0.775	0.773	0.353	0.634	0.243
IPI00029266.1	Small nuclear ribonucleoprotein E	2	0.368	0.763	0.780	0.637	0.233

IPI number	Protein name	Peptide number	forward 1	reverse 2	reverse 3	Average	S.D.
IPI00017895.2	Splice Isoform 1 of Glycerol-3-phosphate dehydrogenase, mitochondrial precursor	3	0.573	0.708	0.630	0.637	0.068
IPI00012535.1	DnaJ homolog subfamily A member 1	3	0.813	0.608	0.502	0.641	0.158
IPI00299573.11	60S ribosomal protein L7a	14	0.758	0.711	0.470	0.646	0.154
IPI00026260.1	Nucleoside diphosphate kinase B	5		0.489	0.806	0.648	0.224
IPI00013415.1	40S ribosomal protein S7	8	0.714	0.435	0.801	0.650	0.191
IPI00027493.1	4F2 cell-surface antigen heavy chain	5	0.704	0.700	0.556	0.653	0.085
IPI00016910.1	Eukaryotic translation initiation factor 3 subunit 8	11	0.680	0.708	0.577	0.655	0.069
IPI00186290.5	Elongation factor 2	31	0.649	0.688	0.630	0.656	0.030
IPI00012479.1	FKSG17	1	0.617		0.705	0.661	0.062
IPI00219155.4	60S ribosomal protein L27	2	0.565	0.738	0.682	0.662	0.088
IPI00013495.1	Splice Isoform 2 of ATP-binding cassette sub-family F	2	0.662	0.625	0.701	0.663	0.038
IPI00030179.3	60S ribosomal protein L7	6	0.709	0.789	0.491	0.663	0.154
IPI00017617.1	Probable ATP-dependent RNA helicase DDX5	13	0.585	0.639	0.769	0.664	0.095
IPI00023748.3	Nascent polypeptide-associated complex alpha subunit	7	0.641	0.715	0.641	0.666	0.043
IPI00220373.3	Insulin-degrading enzyme	2		0.705	0.630	0.668	0.053
IPI00219678.2	Eukaryotic translation initiation factor 2 subunit 1	2	0.642	0.581	0.780	0.668	0.102
IPI00397828.2	20 kDa protein	1	0.651	0.658	0.694	0.668	0.023
IPI00444704.2	Splice Isoform 2 of G-rich sequence factor 1	1		0.674	0.662	0.668	0.008
IPI00037619.2	Ribosomal protein L39 variant	1	0.694	0.699	0.611	0.668	0.050
IPI00219229.2	U6 snRNA-associated Sm-like protein LSm3	2	0.725	0.552	0.728	0.668	0.100
IPI00008475.1	Hydroxymethylglutaryl-CoA synthase, cytoplasmic	12	0.671	0.875	0.459	0.669	0.208
IPI00010157.1	S-adenosylmethionine synthetase isoform type-2	4	0.676	0.674	0.658	0.669	0.010
IPI00000728.3	Splice Isoform 1 of Ubiquitin carboxyl-terminal hydrolase 15	5	0.787	0.622	0.598	0.669	0.103
IPI00005658.3	Ubiquitin-like protein 4A	2	0.640	0.699		0.670	0.042
IPI00023406.1	Cytochrome c-type heme lyase	2			0.673	0.673	
IPI00176527.1	OTTHUMP00000018178	3			0.673	0.673	
IPI00018262.1	Acidic leucine-rich nuclear phosphoprotein 32 family member C	2		0.527	0.823	0.675	0.209
IPI00034006.1	Tyrosine-protein phosphatase non-receptor type 23	1	0.676			0.676	
IPI00373924.1	PREDICTED: similar to 40S ribosomal protein S3a isoform	2	0.690		0.662	0.676	0.020

IPI number	Protein name	Peptide number	forward 1	reverse 2	reverse 3	Average	S.D.
IPI00418471.5	Vimentin	16	0.654	0.726	0.652	0.677	0.042
IPI00215965.1	Heterogeneous nuclear ribonucleoprotein A1 isoform b	3	0.730	0.726	0.577	0.678	0.087
IPI00012795.3	Eukaryotic translation initiation factor 3 subunit 2	2	0.735	0.682	0.620	0.679	0.058
IPI00000494.5	60S ribosomal protein L5	2	0.704	0.842	0.491	0.679	0.177
IPI00180292.5	Splice Isoform 5 of Brain-specific angiogenesis inhibitor 1-associated-protein 2	2	0.680			0.680	
IPI00220365.4	Eukaryotic translation initiation factor 4 gamma, 1 isoform 4	14	0.637	0.714	0.694	0.682	0.040
IPI00012079.1	Eukaryotic translation initiation factor 4B	2	0.621	0.689	0.737	0.682	0.058
IPI00215719.5	60S ribosomal protein L18	2	0.763	0.812	0.481	0.685	0.179
IPI00293474.1	Eucaryotic translation initiation factor 4G isoform 1	2	0.699		0.677	0.688	0.016
IPI00007764.3	Splice Isoform 1 of Hematological and neurological expressed 1 protein	2	0.690			0.690	
IPI00430812.4	Zinc finger protein 9	2	0.800	0.744	0.534	0.693	0.140
IPI00025244.1	Zinc-finger protein ZPR1	1			0.694	0.694	
IPI00031812.2	Nuclease sensitive element-binding protein 1	3	0.743	0.641	0.705	0.697	0.052
IPI00002203.5	BRCA2 and CDKN1A-interacting protein isoform BCCIPbeta	2	0.730	0.709	0.652	0.697	0.040
IPI00014424.1	Elongation factor 1-alpha 2	4	0.694	0.725	0.673	0.697	0.026
IPI00075558.7	PREDICTED: similar to 60S ribosomal protein L7a	2	0.758	0.844	0.491	0.698	0.184
IPI00024650.1	Monocarboxylate transporter 1	1		0.698		0.698	
IPI00011118.2	Ribonucleoside-diphosphate reductase M2 subunit	2	0.699			0.699	
IPI00012726.4	Splice Isoform 1 of Polyadenylate-binding protein 4	4	0.781	0.642	0.684	0.702	0.071
IPI00022228.1	Vigilin	2	0.833	0.575		0.704	0.183
IPI00009335.1	Brain protein 16	3	0.725		0.684	0.704	0.029
IPI00215637.4	ATP-dependent RNA helicase DDX3X	7	0.588	0.824		0.706	0.166
IPI00010700.2	Splice Isoform 1 of Large proline-rich protein BAT2	2	0.685	0.727		0.706	0.030
IPI00292020.3	Spermidine synthase	6	0.833	0.714	0.588	0.712	0.123
IPI00026833.4	Adenylosuccinate synthetase isozyme 2	5	0.901	0.765	0.470	0.712	0.220
IPI00215780.4	40S ribosomal protein S19	7	0.746	0.770	0.620	0.712	0.081
IPI00159072.3	ROD1 regulator of differentiation 1	2	0.893	0.550	0.694	0.713	0.172
IPI00329791.7	Probable ATP-dependent RNA helicase DDX46	6		0.713		0.713	
IPI00000875.5	Elongation factor 1-gamma	16	0.769	0.625	0.748	0.714	0.078

IPI number	Protein name	Peptide number	forward 1	reverse 2	reverse 3	Average	S.D.
IPI00005416.2	NICE-4 protein	2	0.704	0.725		0.714	0.014
IPI00030910.1	GPI-anchored protein p137	5	0.606	0.824		0.715	0.154
IPI00005792.1	Poly(A) binding protein, nuclear 1	2			0.716	0.716	
IPI00016912.1	Tetratricopeptide repeat protein 1	2			0.716	0.716	
IPI00025447.6	EEF1A1 protein	4	0.676	0.750	0.726	0.717	0.038
IPI00641950.3	Lung cancer oncogene 7	10	0.714	0.789	0.652	0.718	0.069
IPI00024933.3	60S ribosomal protein L12	8	0.781	0.765	0.609	0.718	0.095
IPI00176854.2	13 kDa protein	3	0.754	0.683		0.718	0.050
IPI00026781.2	Fatty acid synthase	46	0.781	0.808	0.566	0.719	0.133
IPI00008524.1	Splice Isoform 1 of Polyadenylate-binding protein 1	21	0.714	0.685	0.759	0.719	0.037
IPI00023860.1	Nucleosome assembly protein 1-like 1	2	0.637	0.690	0.833	0.720	0.102
IPI00003865.1	Splice Isoform 1 of Heat shock cognate 71 kDa protein	92	0.680	0.700	0.780	0.720	0.053
IPI00647650.2	Eukaryotic translation initiation factor 3 subunit 3	3		0.639	0.801	0.720	0.115
IPI00012750.3	40S ribosomal protein S25	3	0.775	0.756	0.630	0.720	0.079
IPI00029557.3	GrpE protein homolog 1, mitochondrial precursor	2		0.642	0.801	0.722	0.113
IPI00012772.7	60S ribosomal protein L8	8	0.813	0.800	0.556	0.723	0.145
IPI00377261.1	Splice Isoform 1 of Far upstream element-binding protein 3	3		0.723		0.723	
IPI00011457.1	WUGSC:H_RG054D04.1 protein	19	0.735	0.734	0.705	0.725	0.017
IPI00414860.5	60S ribosomal protein L37a	3		0.726		0.726	
IPI00020850.3	Serine/threonine-protein phosphatase 2A 55 kDa regulatory subunit B beta isoform	2			0.726	0.726	
IPI00014919.1	UTP--glucose-1-phosphate uridylyltransferase 1	3			0.726	0.726	
IPI00155940.1	Importin alpha-7 subunit	2		0.730		0.730	
IPI00029012.1	Eukaryotic translation initiation factor 3 subunit 10	7	0.800	0.695	0.694	0.730	0.061
IPI00003918.5	60S ribosomal protein L4	3	0.735	0.797	0.662	0.731	0.067
IPI00030243.1	Splice Isoform 1 of Proteasome activator complex subunit 3	2	0.769	0.768	0.662	0.733	0.061
IPI00306708.3	T-lymphokine-activated killer cell-originated protein kinase	3	0.943		0.524	0.733	0.297
IPI00654777.2	Eukaryotic translation initiation factor 3 subunit 5	4	0.847		0.620	0.734	0.161
IPI00023461.2	Myeloid\lymphoid or mixed-lineage leukemia (Trithorax homolog, Drosophila); translocated to, 4	3	0.802	0.601	0.798	0.734	0.115
IPI00221092.7	40S ribosomal protein S16	15	0.741	0.780	0.684	0.735	0.048

IPI number	Protein name	Peptide number	forward 1	reverse 2	reverse 3	Average	S.D.
IPI00240909.1	PREDICTED: similar to eukaryotic translation initiation	2	0.787		0.684	0.736	0.073
IPI00741181.1	PREDICTED: similar to Heat shock protein HSP 90-beta	2			0.737	0.737	
IPI00019407.1	Sterol-4-alpha-carboxylate 3-dehydrogenase, decarboxylating	3			0.737	0.737	
IPI00328082.3	Threonyl-tRNA synthetase-like 2	1			0.737	0.737	
IPI00419919.4	60S ribosomal protein L29	2	0.769	0.711		0.740	0.041
IPI00397963.3	9 kDa protein	2		0.741		0.741	
IPI00301936.3	ELAV-like protein 1	10	0.862	0.902	0.459	0.741	0.245
IPI00396980.3	PREDICTED: similar to 60S ribosomal protein L35	2	0.775	0.707		0.741	0.048
IPI00011913.1	Heterogeneous nuclear ribonucleoprotein A0	3	0.806	0.676		0.741	0.092
IPI00221091.8	40S ribosomal protein S15a	7		0.741		0.741	
IPI00019770.3	Ubiquitin-like protein fubi and ribosomal protein S30 precursor	7	0.752	0.732		0.742	0.014
IPI00176686.3	PREDICTED: similar to 60S ribosomal protein L6 (TAX-responsive enhancer element binding protein 107) (TAXREB107) (Neoplasm-related protein C140) isoform 1	2	0.813	0.672		0.743	0.100
IPI00031618.2	DNA-damage inducible protein 2	2		0.833	0.652	0.743	0.128
IPI00003505.3	Splice Isoform 1 of Thyroid receptor-interacting protein 13	2	0.833		0.652	0.743	0.128
IPI00022462.1	Transferrin receptor protein 1	8	0.714	0.798	0.716	0.743	0.048
IPI00002821.3	60S ribosomal protein L14	8	0.781	0.733	0.716	0.744	0.034
IPI00014263.1	Eukaryotic translation initiation factor 4H isoform 1	5	0.725	0.759	0.748	0.744	0.018
IPI00290460.3	Eukaryotic translation initiation factor 3 subunit 4	4	0.714	0.803	0.716	0.744	0.051
IPI00376798.3	Ribosomal protein L11	5	0.667	0.747	0.823	0.745	0.078
IPI00006181.1	Eukaryotic translation initiation factor 3 subunit 7	4	0.870	0.621		0.746	0.175
IPI00007144.1	60S ribosomal protein L26-like 1	3	0.725	0.767		0.746	0.030
IPI00016868.2	Hypothetical protein KIAA0683	2	0.746			0.746	
IPI00419880.5	40S ribosomal protein S3a	6	0.763	0.664	0.812	0.747	0.075
IPI00166711.4	FLJ00369 protein (Fragment)	2			0.748	0.748	
IPI00002255.4	Lipopolysaccharide-responsive and beige-like anchor protein	2			0.748	0.748	
IPI00329389.6	DNA-binding protein TAXREB107	8	0.752	0.853	0.641	0.749	0.106
IPI00219005.2	FK506-binding protein 4	6	0.855	0.652	0.748	0.751	0.101
IPI00027438.2	Flotillin-1	2		0.752		0.752	
IPI00029750.1	Splice Isoform 1 of 40S ribosomal protein S24	3		0.755		0.755	

IPI number	Protein name	Peptide number	forward 1	reverse 2	reverse 3	Average	S.D.
IPI00020513.2	Zyxin	2	0.704	0.806		0.755	0.072
IPI00301263.2	CAD protein	10	0.699	0.778	0.791	0.756	0.050
IPI00175098.5	PREDICTED: similar to ribosomal protein L10	1		0.758		0.758	
IPI00024781.1	Small EDRK-rich factor 2	2		0.758		0.758	
IPI00019383.1	Galactokinase	4			0.759	0.759	
IPI00002212.1	Splice Isoform B of Serine/threonine-protein kinase 24	3			0.759	0.759	
IPI00178440.2	Elongation factor 1-beta	1	0.826	0.789	0.662	0.759	0.086
IPI00026138.3	PREDICTED: similar to ribosomal protein S3a isoform 1	6	0.752	0.727	0.801	0.760	0.038
IPI00247583.4	60S ribosomal protein L21	3	0.758	0.766		0.762	0.006
IPI00168262.1	CDNA PSEC0241 fis, clone NT2RP3000234, moderately similar to Homo sapiens cerebral cell adhesion molecule mRNA	1		0.763		0.763	
IPI00013296.1	40S ribosomal protein S18	9	0.820	0.822	0.652	0.764	0.098
IPI00007675.5	Cytoplasmic dynein 1 light intermediate chain 1	2	0.877		0.652	0.764	0.159
IPI00064328.3	Protein arginine methyltransferase 5 isoform b	3		0.867	0.662	0.765	0.145
IPI00025329.1	60S ribosomal protein L19	12	0.752	0.781		0.767	0.021
IPI00032158.2	Splice Isoform 2 of NMDA receptor-regulated protein 1	2	0.775		0.759	0.767	0.012
IPI00022143.3	Splice Isoform 1 of Protein FAM62A	13	0.769	0.786	0.748	0.768	0.019
IPI00465361.3	60S ribosomal protein L13	7	0.763	0.806	0.737	0.769	0.035
IPI00031523.3	Heat shock protein 86 (Fragment)	9	0.775	0.709	0.823	0.769	0.057
IPI00550021.3	60S ribosomal protein L3	4	0.769			0.769	
IPI00021808.3	Histidyl-tRNA synthetase	5			0.769	0.769	
IPI00007402.2	Importin-7	6	0.909		0.630	0.770	0.197
IPI00305692.4	Thioredoxin-like protein 1	3	0.909		0.630	0.770	0.197
IPI00219512.1	Splice Isoform 2 of Ubiquitin carboxyl-terminal hydrolase isozyme L5	2	0.926	0.806	0.577	0.770	0.177
IPI00022254.4	Splice Isoform 1 of Autophagy-related protein 3	2	0.870		0.673	0.771	0.139
IPI00025491.1	Eukaryotic initiation factor 4A-I	11	0.787	0.779	0.748	0.772	0.021
IPI00302925.3	T-complex protein 1 subunit theta	26	0.840	0.748	0.726	0.772	0.060
IPI00221325.3	Ran-binding protein 2	2	0.645	0.898		0.772	0.179
IPI00017763.4	Nucleosome assembly protein 1-like 4	3	0.752	0.743	0.823	0.772	0.044
IPI00219673.5	Glutathione S-transferase kappa 1	5		0.925	0.620	0.772	0.216

IPI number	Protein name	Peptide number	forward 1	reverse 2	reverse 3	Average	S.D.
IPI00216153.6	40S ribosomal protein S15	2	0.758	0.789		0.773	0.022
IPI00025419.5	PREDICTED: similar to 40S ribosomal protein S3a (V-fos transformation effector protein) isoform 3	7	0.769	0.761	0.791	0.774	0.015
IPI00329745.4	130 kDa leucine-rich protein	43	0.893	0.874	0.556	0.774	0.190
IPI00008529.1	60S acidic ribosomal protein P2	10	0.763	0.726	0.833	0.774	0.055
IPI00013881.5	Heterogeneous nuclear ribonucleoprotein H1	2	0.943	0.805	0.577	0.775	0.185
IPI00216237.4	60S ribosomal protein L36	6	0.800	0.751		0.775	0.035
IPI00413324.5	60S ribosomal protein L17	7	0.806	0.744		0.775	0.044
IPI00000643.1	BAG family molecular chaperone regulator 2	3		0.775		0.775	
IPI00456889.2	PREDICTED: similar to Phosphoglycerate mutase 1	2		0.776		0.776	
IPI00299214.5	Thymidine kinase, cytosolic	2	0.917		0.641	0.779	0.195
IPI00013184.1	N-terminal acetyltransferase complex ARD1 subunit homolog A	7	0.800		0.759	0.779	0.029
IPI00219153.3	60S ribosomal protein L22	4	0.840	0.719		0.780	0.086
IPI00218407.5	Fructose-bisphosphate aldolase B	2			0.780	0.780	
IPI00304417.6	Isocitrate dehydrogenase [NAD] subunit beta, mitochondrial precursor	2			0.780	0.780	
IPI00735515.1	PREDICTED: similar to chaperonin containing TCP1, subunit 8	2			0.780	0.780	
IPI00412579.5	60S ribosomal protein L10a	16	0.769	0.814	0.759	0.780	0.029
IPI00027270.1	60S ribosomal protein L26	2		0.781		0.781	
IPI00012202.1	Methylosome protein 50	2	0.781			0.781	
IPI00333010.6	SR-related CTD associated factor 6	3		0.781		0.781	
IPI00290142.5	CTP synthase	4	0.901	0.685	0.759	0.781	0.110
IPI00008530.1	60S acidic ribosomal protein P0	12	0.813	0.872	0.662	0.782	0.108
IPI00009943.2	Tumor protein, translationally-controlled 1	3	0.862	0.880	0.609	0.784	0.152
IPI00328840.7	THO complex subunit 4	5	0.840	0.734	0.780	0.785	0.054
IPI00410693.3	Splice Isoform 1 of Plasminogen activator inhibitor 1 RNA-binding protein	6	0.699	0.953	0.705	0.786	0.145
IPI00027569.1	Heterogeneous nuclear ribonucleoprotein C-like 1	3	0.935	0.835	0.588	0.786	0.179
IPI00154473.4	Elongation factor G 1, mitochondrial precursor	2	0.855	0.926	0.577	0.786	0.185
IPI00026271.4	40S ribosomal protein S14	13	0.800	0.739	0.823	0.787	0.043
IPI00156232.1	15 kDa protein	2		0.787		0.787	

IPI number	Protein name	Peptide number	forward 1	reverse 2	reverse 3	Average	S.D.
IPI00056494.4	60S ribosomal protein L36a-like	2	0.787			0.787	
IPI00001453.2	Alpha-internexin	3	0.787			0.787	
IPI00006408.3	ENOS interacting protein	2	0.787			0.787	
IPI00008809.1	GAGE-7 protein	2		0.787		0.787	
IPI00300620.3	Interferon-induced transmembrane protein 1	2		0.787		0.787	
IPI00001589.1	Mitochondrial import inner membrane translocase subunit Tim13	2		0.787		0.787	
IPI00013721.2	Serine/threonine-protein kinase PRP4 homolog	2	0.787			0.787	
IPI00182533.4	60S ribosomal protein L28	12		0.789		0.789	
IPI00015018.1	Inorganic pyrophosphatase	5	0.826	0.761	0.780	0.789	0.034
IPI00013917.1	40S ribosomal protein S12	10		0.788	0.791	0.789	0.002
IPI00030706.1	Activator of 90 kDa heat shock protein ATPase homolog 1	2	0.971	0.778	0.620	0.789	0.176
IPI00026302.3	60S ribosomal protein L31	5	0.746	0.790	0.833	0.790	0.044
IPI00004208.4	PREDICTED: similar to eukaryotic translation initiation factor 3, subunit 6 interacting protein	3			0.791	0.791	#DIV/0!
IPI00179964.5	Splice Isoform 1 of Polypyrimidine tract-binding protein 1	2	0.847	0.883	0.641	0.791	0.131
IPI00006640.3	Serpin I2 precursor	2	0.974		0.609	0.791	0.258
IPI00329200.6	Importin beta-3	4	0.926	0.811	0.641	0.793	0.143
IPI00335061.6	Pyrroline-5-carboxylate reductase family, member 2	2	0.667	0.890	0.823	0.793	0.115
IPI00334587.1	Splice Isoform 2 of Heterogeneous nuclear ribonucleoprotein A/B	3	0.962	0.767	0.652	0.793	0.157
IPI00398121.5	Hypothetical protein DKFZp779B0247	2	0.794			0.794	
IPI00397611.1	PREDICTED: similar to ribosomal protein L13 isoform 1	13	0.763	0.744	0.876	0.794	0.071
IPI00252294.2	PREDICTED: similar to 60S ribosomal protein L35	4	0.855	0.735		0.795	0.085
IPI00032879.1	Adenylate kinase isoenzyme 6	2		0.795		0.795	
IPI00396435.2	DEAH (Asp-Glu-Ala-His) box polypeptide 15	2		0.795		0.795	
IPI00386189.2	Splice Isoform 1 of NMDA receptor-regulated protein 1	3	0.885		0.705	0.795	0.127
IPI00008433.3	40S ribosomal protein S5	5	0.833	0.826	0.726	0.795	0.060
IPI00008438.1	40S ribosomal protein S10	12	0.833	0.741	0.812	0.795	0.048
IPI00035167.7	PREDICTED: similar to ribosomal protein L10a	3	0.746	0.863	0.780	0.796	0.060
IPI00009328.2	Probable ATP-dependent RNA helicase DDX48	2	0.826	0.668	0.897	0.797	0.117
IPI00550746.4	Nuclear migration protein nudC	6	0.781	0.810	0.801	0.798	0.015
IPI00221300.2	Translation initiation factor eIF-2B alpha subunit	5	0.870		0.726	0.798	0.101

IPI number	Protein name	Peptide number	forward 1	reverse 2	reverse 3	Average	S.D.
IPI00219160.2	60S ribosomal protein L34	2		0.798		0.798	
IPI00022648.2	Eukaryotic translation initiation factor 5	3	0.787	0.775	0.833	0.799	0.031
IPI00106642.4	Dihydropyrimidinase-like 2	2		0.799		0.799	
IPI00397774.2	PREDICTED: similar to laminin receptor 1	3	0.714	0.754	0.929	0.799	0.115
IPI00017596.2	Microtubule-associated protein RP/EB family member 1	3	0.840	0.724	0.833	0.799	0.065
IPI00014238.2	Lysyl-tRNA synthetase	5	0.952	0.773	0.673	0.799	0.142
IPI00165506.4	Polymerase delta-interacting protein 2	2	0.862		0.737	0.800	0.088
IPI00017870.1	OTTHUMP00000021786	4	0.800			0.800	
IPI00017963.1	Small nuclear ribonucleoprotein Sm D2	12		0.800		0.800	
IPI00334775.5	Hypothetical protein DKFZp761K0511	86	0.758	0.768	0.876	0.801	0.066
IPI00006377.2	PNAS-110	2			0.801	0.801	
IPI00005605.4	Splice Isoform 1 of Protein NDRG3	2			0.801	0.801	
IPI00030275.5	Heat shock protein 75 kDa, mitochondrial precursor	21	0.909	0.864	0.630	0.801	0.150
IPI00556589.2	PREDICTED: similar to 40S ribosomal protein S28	8	0.813	0.726	0.865	0.801	0.071
IPI00646304.3	Peptidylprolyl isomerase B precursor	8		0.802		0.802	
IPI00008293.4	PREDICTED: similar to 40S ribosomal protein S7	7		0.783	0.823	0.803	0.028
IPI00004534.3	Phosphoribosylformylglycinamide synthase	10	0.917	0.820	0.673	0.803	0.123
IPI00013485.3	40S ribosomal protein S2	10	0.794	0.764	0.855	0.804	0.046
IPI00183169.5	ACF7 protein	3		0.804		0.804	
IPI00024821.1	26S proteasome non-ATPase regulatory subunit 14	3	1.020	0.774	0.620	0.805	0.202
IPI00008552.6	Thioredoxin-like protein 2	2	0.840		0.769	0.805	0.050
IPI00154451.5	Splice Isoform 1 of MMS19-like protein	2	0.806			0.806	
IPI00748920.1	Splicing coactivator subunit SRm300	15	0.820	0.797		0.808	0.016
IPI00003519.1	116 kDa U5 small nuclear ribonucleoprotein component	10	0.769	0.908	0.748	0.808	0.087
IPI00216106.3	Splice Isoform 3 of Putative GTP-binding protein PTD004	2	0.885	0.846	0.694	0.808	0.101
IPI00216592.1	Splice Isoform C1 of Heterogeneous nuclear ribonucleoproteins C1/C2	4	0.877	0.984	0.566	0.809	0.217
IPI00016572.1	Small nuclear ribonucleoprotein G	1		0.810		0.810	
IPI00395694.1	Splice Isoform 2 of Transportin 3	6	0.926		0.694	0.810	0.164
IPI00394699.1	Ribosomal protein homolog PD-1	7	0.769	0.852		0.811	0.058
IPI00221093.6	40S ribosomal protein S17	4	0.847	0.775		0.811	0.051

IPI number	Protein name	Peptide number	forward 1	reverse 2	reverse 3	Average	S.D.
IPI00176696.1	PREDICTED: similar to 40S ribosomal protein S26	2		0.813		0.813	
IPI00399036.1	PREDICTED: similar to 40S ribosomal protein SA (p40)	2	0.813			0.813	
IPI00290566.1	T-complex protein 1 subunit alpha	16	0.855	0.861	0.726	0.814	0.076
IPI00025333.4	Splice Isoform 3 of Anamorsin	1	0.775	1.069	0.598	0.814	0.238
IPI00218606.6	40S ribosomal protein S23	6		0.815		0.815	
IPI00396370.5	Splice Isoform 1 of Eukaryotic translation initiation factor 3 subunit 9	7	0.855	0.906	0.684	0.815	0.117
IPI00011253.3	40S ribosomal protein S3	6	0.769	0.812	0.865	0.815	0.048
IPI00419373.1	Splice Isoform 1 of Heterogeneous nuclear ribonucleoprotein A3	2	0.862	0.771		0.816	0.065
IPI00414127.3	Ran-specific GTPase-activating protein	2	0.877	0.793	0.780	0.817	0.053
IPI00010720.1	T-complex protein 1 subunit epsilon	22	0.870	0.843	0.737	0.817	0.070
IPI00304612.8	60S ribosomal protein L13a	10	0.800	0.835		0.817	0.024
IPI00005969.1	F-actin capping protein alpha-1 subunit	3	0.813	0.752	0.887	0.817	0.067
IPI00011916.1	Multisynthetase complex auxiliary component p38	2	0.909		0.726	0.818	0.129
IPI00024364.2	Transportin-1	2	0.893	0.901	0.662	0.819	0.135
IPI00018140.3	Splice Isoform 1 of Heterogeneous nuclear ribonucleoprotein Q	5	0.870	0.895	0.694	0.820	0.109
IPI00294701.1	CDK-activating kinase assembly factor MAT1	2	0.820			0.820	
IPI00550821.2	Splice Isoform 1 of Cleavage and polyadenylation specificity factor 7	2	0.820			0.820	
IPI00303207.3	ATP-binding cassette sub-family E member 1	4		0.771	0.870	0.820	0.070
IPI00297779.6	T-complex protein 1 subunit beta	35	0.893	0.874	0.694	0.820	0.110
IPI00015029.1	Prostaglandin E synthase 3	7		0.840	0.801	0.821	0.027
IPI00304596.3	Non-POU domain-containing octamer-binding protein	8	0.833	0.808		0.821	0.018
IPI00386854.5	HNRPA2B1 protein	16	0.971	0.937	0.556	0.821	0.231
IPI00418497.1	Splice Isoform 2 of Import inner membrane translocase subunit TIM50, mitochondrial precursor	2	1.136	0.508		0.822	0.445
IPI00106491.3	mRNA turnover protein 4 homolog	2	0.833	0.815		0.824	0.013
IPI00299085.2	Melanoma-associated antigen C1	2	0.855	0.794		0.824	0.043
IPI00062151.4	PREDICTED: similar to ribosomal protein L15	2		0.824		0.824	
IPI00026958.4	Splice Isoform Short of NADPH:adrenodoxin oxidoreductase, mitochondrial precursor	2	1.042		0.609	0.825	0.306
IPI00006362.1	Splice Isoform 2 of Endothelial differentiation-related factor 1	4		0.826		0.826	

IPI number	Protein name	Peptide number	forward 1	reverse 2	reverse 3	Average	S.D.
IPI00169434.3	Grb10 interacting GYF protein 2	2	0.826			0.826	
IPI00306301.1	Pyruvate dehydrogenase E1 component alpha subunit, somatic form, mitochondrial	3	0.826			0.826	
IPI00218342.9	C-1-tetrahydrofolate synthase, cytoplasmic	3	0.862	0.882	0.737	0.827	0.078
IPI00031691.1	60S ribosomal protein L9	4	0.709	0.896	0.876	0.827	0.103
IPI00373913.2	PREDICTED: KIAA1447 protein	3		0.833	0.823	0.828	0.007
IPI00183526.5	NCL protein	10	0.901	0.824	0.759	0.828	0.071
IPI00396378.3	Splice Isoform B1 of Heterogeneous nuclear ribonucleoproteins A2/B1	15	0.926	0.899	0.662	0.829	0.145
IPI00006482.1	Splice Isoform Long of Sodium/potassium-transporting ATPase alpha-1 chain precursor	6	0.926	0.901	0.662	0.830	0.146
IPI00010153.5	60S ribosomal protein L23	2	0.781	0.855	0.855	0.830	0.042
IPI00398958.1	PREDICTED: similar to 40S ribosomal protein SA	12	0.758	0.783	0.951	0.831	0.105
IPI00027193.2	Splice Isoform 2 of Chloride intracellular channel protein 5	2		0.989	0.673	0.831	0.224
IPI00012442.1	Ras-GTPase-activating protein-binding protein 1	2	0.637	0.906	0.951	0.831	0.170
IPI00306369.3	NOL1/NOP2/Sun domain family 2 protein	5	0.714		0.951	0.833	0.167
IPI00006246.1	Cell cycle progression 2 protein	2	0.833			0.833	
IPI00218829.8	G1 to S phase transition protein 1 homolog	5			0.833	0.833	
IPI00064765.2	60S ribosomal protein L10-like	6	0.781	0.885	0.833	0.833	0.052
IPI00171438.2	Thioredoxin domain-containing protein 5 precursor	1	0.862	0.901	0.737	0.833	0.086
IPI00221088.4	40S ribosomal protein S9	2	0.926	0.849	0.726	0.834	0.101
IPI00022305.4	MSTP017	2	0.862	0.806		0.834	0.039
IPI00163782.2	Splice Isoform 2 of Far upstream element-binding protein 1	12	1.042	0.852	0.609	0.834	0.217
IPI00009922.3	DC50	7		0.835		0.835	
IPI00429191.2	Eukaryotic peptide chain release factor subunit 1	2	0.847	0.781	0.876	0.835	0.049
IPI00003021.1	Sodium/potassium-transporting ATPase alpha-2 chain precursor	5	0.926	0.919	0.662	0.836	0.150
IPI00182289.5	40S ribosomal protein S29	4	0.847	0.825		0.836	0.016
IPI00329633.5	Threonyl-tRNA synthetase, cytoplasmic	9	0.980	0.824	0.705	0.836	0.138
IPI00031801.4	Splice Isoform 1 of DNA-binding protein A	2	0.625	1.050		0.838	0.301
IPI00025273.1	Splice Isoform Long of Trifunctional purine biosynthetic protein adenosine-3	6	0.909	0.890	0.716	0.838	0.106
IPI00026202.1	60S ribosomal protein L18a	3		0.839		0.839	

IPI number	Protein name	Peptide number	forward 1	reverse 2	reverse 3	Average	S.D.
IPI00169288.3	Splice Isoform 2 of Retinal dehydrogenase 2	6	0.909	0.850	0.759	0.839	0.076
IPI00216587.8	40S ribosomal protein S8	4	0.787	0.814	0.919	0.840	0.070
IPI00419979.2	p21-activated kinase 2	2	0.840			0.840	
IPI00376817.1	PREDICTED: similar to 60S ribosomal protein L32	2		0.840		0.840	
IPI00375370.1	SEC13-like 1 isoform a	2	0.840			0.840	
IPI00329351.5	P60, 60-kDa heat shock protein, HSP60 (Fragment)	2		0.840		0.840	
IPI00018627.1	CDNA FLJ13194 fis, clone NT2RP3004378, weakly similar to Drosophila melanogaster separation anxiety protein	3	0.962	0.722		0.842	0.170
REV_37799_Protein	no description	2	1.032		0.652	0.842	0.269
IPI00029534.1	Amidophosphoribosyltransferase precursor	1		0.990	0.694	0.842	0.209
IPI00023048.3	Elongation factor 1-delta	7	1.000	0.770	0.759	0.843	0.136
IPI00010415.2	Splice Isoform 1 of Cytosolic acyl coenzyme A thioester hydrolase	2		0.843		0.843	
IPI00295485.1	Heat shock 70 kDa protein 4L	7			0.844	0.844	
IPI00302927.5	T-complex protein 1 subunit delta	34	0.885	0.859	0.791	0.845	0.049
IPI00012493.1	40S ribosomal protein S20	4	0.917	0.763	0.855	0.845	0.078
IPI00006252.3	Multisynthetase complex auxiliary component p43	7	0.943		0.748	0.846	0.138
IPI00221089.4	40S ribosomal protein S13	12	0.893	0.799		0.846	0.066
IPI00290770.3	Chaperonin containing TCP1, subunit 3 isoform b	33	0.893	0.823	0.823	0.846	0.041
IPI00218993.1	Splice Isoform Beta of Heat-shock protein 105 kDa	1	0.833	1.000	0.705	0.846	0.148
IPI00000684.4	Splice Isoform AGX2 of UDP-N-acetylhexosamine pyrophosphorylase	3	0.775	0.856	0.908	0.846	0.067
IPI00002149.1	GTP-binding protein SAR1b	2		0.828	0.865	0.846	0.027
IPI00022744.5	Splice Isoform 1 of Importin-alpha re-exporter	3	0.943	0.944	0.652	0.846	0.169
IPI00301204.2	Retinol dehydrogenase 13	2	0.826	1.042	0.673	0.847	0.185
IPI00025178.3	Breast carcinoma amplified sequence 2	2		0.847		0.847	
IPI00295098.3	Signal recognition particle receptor beta subunit	1	0.826	0.870		0.848	0.031
IPI00398135.2	PREDICTED: similar to 60S ribosomal protein L27a	3	0.917	0.731	0.897	0.849	0.102
IPI00022970.4	Nucleoprotein TPR	6	0.901	0.972	0.673	0.849	0.156
IPI00012200.1	MGC2477 protein	3		0.850		0.850	
IPI00017342.1	Rho-related GTP-binding protein RhoG precursor	5		0.850		0.850	
IPI00006052.3	Prefoldin subunit 2	4		0.793	0.908	0.850	0.082

IPI number	Protein name	Peptide number	forward 1	reverse 2	reverse 3	Average	S.D.
IPI00011603.2	26S proteasome non-ATPase regulatory subunit 3	2	0.926	1.027	0.598	0.851	0.224
IPI00029731.8	60S ribosomal protein L35a	3		0.851		0.851	
IPI00027626.2	T-complex protein 1 subunit zeta	25	0.901	0.895	0.759	0.851	0.080
IPI00021840.1	40S ribosomal protein S6	11	0.794	0.778	0.983	0.852	0.114
IPI00397431.3	PREDICTED: similar to monoacylglycerol O-acyltransferase 2	5	0.787	0.776	0.994	0.852	0.122
IPI00000873.3	Valyl-tRNA synthetase	17	1.010	0.821	0.726	0.853	0.144
IPI00003783.1	Dual specificity mitogen-activated protein kinase kinase 2	2	0.926		0.780	0.853	0.103
IPI00015351.1	AD039	1		0.854		0.854	
IPI00001091.3	AFG3-like protein 2	3	0.855			0.855	
IPI00293817.3	Gamma-soluble NSF attachment protein	3	0.855			0.855	
IPI00031583.2	Hypothetical protein DKFZp451D234	2			0.855	0.855	
IPI00009946.4	Mitochondrial import receptor subunit TOM34	6	0.855			0.855	
IPI00103415.1	Signal transducer and activator of transcription 5B	4			0.855	0.855	
IPI00306332.4	60S ribosomal protein L24	12	0.840	0.848	0.876	0.855	0.019
IPI00444262.1	CDNA FLJ45706 fis, clone FEBRA2028457, highly similar to Nucleolin	15	0.885	0.917	0.769	0.857	0.078
IPI00019599.1	Splice Isoform 1 of Ubiquitin-conjugating enzyme E2 variant 1	3		0.857		0.857	
IPI00013847.4	Ubiquinol-cytochrome-c reductase complex core protein I, mitochondrial precursor	2	0.935		0.780	0.857	0.109
IPI00001734.2	Splice Isoform 1 of Phosphoserine aminotransferase	6	1.042		0.673	0.857	0.261
IPI00373857.1	PREDICTED: similar to laminin receptor 1	2	0.885	0.792	0.897	0.858	0.058
IPI00644127.1	Isoleucyl-tRNA synthetase, cytoplasmic	2	0.926	0.794		0.860	0.094
IPI00219913.9	Ubiquitin carboxyl-terminal hydrolase 14	5	1.087	0.821	0.673	0.860	0.210
IPI00082831.3	130 kDa protein	2	0.952	1.000	0.630	0.861	0.201
IPI00171903.1	Heterogeneous nuclear ribonucleoprotein M isoform a	29	0.840	0.882		0.861	0.030
IPI00017297.1	Matrin-3	31	0.901	0.925	0.759	0.861	0.090
IPI00472102.3	Heat shock protein 60	64	0.952	0.895	0.737	0.861	0.111
IPI00219034.2	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subun	2	0.862			0.862	
IPI00026167.2	NHP2-like protein 1	2		0.862		0.862	
IPI00396437.3	Splice Isoform 2 of Drebrin-like protein	2		0.862		0.862	
IPI00015139.4	PREDICTED: similar to Heterogeneous nuclear ribonucleoprotein	8	0.833	0.867	0.887	0.862	0.027

IPI number	Protein name	Peptide number	forward 1	reverse 2	reverse 3	Average	S.D.
	A1 isoform 1						
IPI00177008.1	IMP dehydrogenase/GMP reductase family protein	1	0.935		0.791	0.863	0.102
IPI00217223.1	Multifunctional protein ADE2	18	0.935	0.799	0.855	0.863	0.068
IPI00376005.1	Eukaryotic initiation factor 5A isoform I variant A	2		0.989	0.737	0.863	0.178
IPI00291510.3	Inosine-5'-monophosphate dehydrogenase 2	12	0.847	0.835	0.908	0.864	0.039
IPI00302850.4	Small nuclear ribonucleoprotein Sm D1	5	0.952	0.838	0.801	0.864	0.079
IPI00021187.3	RuvB-like 1	4	0.877	0.871	0.844	0.864	0.018
IPI00009104.6	RuvB-like 2	3	0.847	0.720	1.026	0.864	0.154
IPI00376667.3	PREDICTED: similar to 40S ribosomal protein S3a (V-fos transformation effector protein) isoform 1	3	0.952	0.777		0.865	0.124
IPI00337385.1	Splice Isoform 1 of Pre-mRNA-processing factor 40 homolog A	3	1.000	0.729		0.865	0.191
IPI00170935.1	Leucine-rich repeat-containing protein 47	3	0.971	0.919	0.705	0.865	0.141
IPI00076042.2	Short heat shock protein 60 Hsp60s2	6	0.935	0.860	0.801	0.865	0.067
IPI00148061.3	L-lactate dehydrogenase A-like 6A	2	0.943	0.862	0.791	0.865	0.076
IPI00645194.1	Integrin beta 1 isoform 1A precursor	2			0.865	0.865	
IPI00019812.1	Serine/threonine-protein phosphatase 5	2			0.865	0.865	
IPI00234368.1	Splice Isoform Short of Adenosine kinase	9			0.865	0.865	
IPI00012048.1	Nucleoside diphosphate kinase A	8	0.893	0.732	0.972	0.866	0.122
IPI00024719.1	Histone acetyltransferase type B catalytic subunit	10	0.813		0.919	0.866	0.075
IPI00219156.6	60S ribosomal protein L30	9	0.952	0.791	0.855	0.866	0.081
IPI00217030.9	40S ribosomal protein S4, X isoform	23	0.833	0.763	1.004	0.867	0.124
IPI00299254.3	Eukaryotic translation initiation factor 5B	5	0.746	0.787	1.068	0.867	0.175
IPI00019600.2	Ubiquitin-conjugating enzyme E2 variant 2	1		0.667	1.068	0.868	0.284
IPI00395627.3	Splice Isoform 1 of Calcyclin-binding protein	19	0.926	0.933	0.748	0.869	0.105
IPI00026513.5	Ribose 5-phosphate isomerase A	2		0.990	0.748	0.869	0.171
IPI00018288.1	DNA-directed RNA polymerase II 33 kDa polypeptide	2	0.870			0.870	
IPI00027423.2	Protein phosphatase 1, catalytic subunit, alpha isoform	2	0.870			0.870	
IPI00219617.4	Ribose-phosphate pyrophosphokinase II	2	0.870			0.870	
IPI00061178.1	RNA binding motif protein, X-linked-like 1	1	0.870			0.870	
IPI00216393.1	Splice Isoform Non-brain of Clathrin light chain A	4	0.870			0.870	
IPI00334190.4	Stomatin-like protein 2	2	0.877	0.862		0.870	0.011

IPI number	Protein name	Peptide number	forward 1	reverse 2	reverse 3	Average	S.D.
IPI00156374.5	Splice Isoform 1 of Importin-4	10		0.932	0.812	0.872	0.085
IPI00640703.3	Splice Isoform 1 of Exportin-5	2	0.806	0.939		0.873	0.093
IPI00180675.4	Tubulin alpha-3 chain	3	1.136		0.609	0.873	0.373
IPI00052885.5	18 kDa protein	2	0.781	0.716	1.122	0.873	0.218
IPI00219740.3	Splice Isoform 2 of DNA replication licensing factor MCM7	4	0.935	0.884	0.801	0.873	0.067
IPI00023647.2	Hypothetical protein DKFZp451P021	4	1.064		0.684	0.874	0.269
IPI00295992.4	Splice Isoform 2 of ATPase family AAA domain-containing protein 3A	2	0.847	0.901		0.874	0.038
IPI00014151.3	26S proteasome non-ATPase regulatory subunit 6	2		0.926	0.823	0.874	0.073
IPI00219616.6	Ribose-phosphate pyrophosphokinase I	2	0.990		0.759	0.874	0.164
IPI00030876.4	Protein diaphanous homolog 1	6	0.943	0.978	0.705	0.876	0.149
IPI00420014.2	U5 small nuclear ribonucleoprotein 200 kDa helicase	10		0.876		0.876	
IPI00182757.9	Splice Isoform 1 of Protein KIAA1967	6	1.000	0.869	0.759	0.876	0.121
REV_13527_Protein		2			0.876	0.876	
IPI00027430.1	Leukosialin precursor	2			0.876	0.876	
IPI00221178.1	Splice Isoform 2 of Tumor protein D54	5	0.980	0.943	0.705	0.876	0.149
IPI00012578.1	Importin alpha-4 subunit	4	0.909		0.844	0.877	0.046
IPI00292894.3	Hypothetical protein LOC55720	5	0.877			0.877	
IPI00163505.2	Splice Isoform 1 of RNA-binding region-containing protein 39	3	0.877			0.877	
IPI00219649.3	Splice Isoform 2 of Cystathionine beta-synthase	2	0.877			0.877	
IPI00329332.1	Syntaxin-12	2	0.877			0.877	
IPI00293126.1	Tubulin-specific chaperone B	2	0.877			0.877	
IPI00301058.4	Vasodilator-stimulated phosphoprotein	5	0.877			0.877	
IPI00216049.1	Splice Isoform 1 of Heterogeneous nuclear ribonucleoprotein K	29	0.935	0.961	0.737	0.877	0.122
IPI00294536.1	Serine-threonine kinase receptor-associated protein	4	0.943		0.812	0.878	0.093
IPI00018873.1	Splice Isoform 1 of Nicotinamide phosphoribosyltransferase	2	0.901		0.855	0.878	0.033
IPI00019927.2	26S proteasome non-ATPase regulatory subunit 7	10	1.010	0.876	0.748	0.878	0.131
IPI00008240.2	Methionyl-tRNA synthetase	5	1.020	0.879	0.737	0.879	0.142
IPI00017334.1	Prohibitin	10	0.917	0.841		0.879	0.054
IPI00445401.2	Splice Isoform 2 of HECT, UBA and WWE domain-containing protein 1	5	1.020	1.011	0.609	0.880	0.235

IPI number	Protein name	Peptide number	forward 1	reverse 2	reverse 3	Average	S.D.
IPI00220480.7	60 kDa protein	2	1.010	0.893	0.737	0.880	0.137
IPI00005589.1	PREDICTED: similar to 60S ribosomal protein L32	2		0.880		0.880	
IPI00011937.1	Peroxiredoxin-4	3	1.031	0.830	0.780	0.880	0.133
IPI00007750.1	Tubulin alpha-1 chain	33	0.962	0.954	0.726	0.881	0.134
IPI00175108.4	PREDICTED: similar to heterogeneous nuclear ribonucleoprotein K isoform a isoform 2	3	0.962		0.801	0.881	0.113
IPI00292753.7	GTPase activating protein and VPS9 domains 1	4	0.847	1.007	0.791	0.882	0.112
IPI00216184.2	Splice Isoform 2 of Phosphatidylinositol-binding clathrin assembly protein	3	0.893	0.877	0.876	0.882	0.009
IPI00402104.5	15 kDa protein	2	0.699	0.996	0.951	0.882	0.160
IPI00105598.3	Proteasome 26S non-ATPase subunit 11 variant (Fragment)	8	1.010	0.890	0.748	0.883	0.131
IPI00215918.2	ADP-ribosylation factor 4	2		0.883		0.883	
IPI00031570.1	Probable UPF0334 kinase-like protein C1orf57	2		0.883		0.883	
IPI00029079.5	GMP synthase	27	0.943	0.917	0.791	0.884	0.082
IPI00031820.2	Phenylalanyl-tRNA synthetase alpha chain	2	0.971	0.826	0.855	0.884	0.077
IPI00221354.1	Splice Isoform Short of RNA-binding protein FUS	4	0.917	0.852		0.885	0.047
IPI00008575.3	Splice Isoform 1 of KH domain-containing, RNA-binding, signal transduction-associated protein 1	6	0.893	0.877		0.885	0.012
IPI00011569.1	Acetyl-CoA carboxylase 1	2		0.885		0.885	
IPI00000279.2	Hypothetical protein LEREPO4	2	0.885			0.885	
IPI00005657.1	Prefoldin subunit 6	2		0.885		0.885	
IPI00012340.1	Splicing factor, arginine/serine-rich 9	2		0.885		0.885	
IPI00218775.2	FK506-binding protein 5	2		1.087	0.684	0.886	0.285
IPI00219217.2	L-lactate dehydrogenase B chain	2	0.917	0.898	0.844	0.886	0.038
IPI00030702.1	Splice Isoform 1 of Isocitrate dehydrogenase [NAD] subunit alpha, mitochondrial precursor	4	1.031	0.972	0.662	0.888	0.198
IPI00005948.1	Hypothetical protein LOC84245 isoform 1	2	1.053	0.930	0.684	0.889	0.188
IPI00019880.1	47 kDa heat shock protein precursor	2	0.990	1.036	0.641	0.889	0.216
IPI00005537.2	39S ribosomal protein L12, mitochondrial precursor	3	0.952	0.827		0.890	0.089
IPI00007163.1	U6 snRNA-associated Sm-like protein LSM7	4		0.890		0.890	
IPI00011274.1	Heterogeneous nuclear ribonucleoprotein D-like	11	0.877	0.905		0.891	0.019
IPI00031836.3	Developmentally-regulated GTP-binding protein 1	3	0.901	0.881		0.891	0.014

IPI number	Protein name	Peptide number	forward 1	reverse 2	reverse 3	Average	S.D.
IPI00010204.1	Splicing factor, arginine/serine-rich 3	2	0.952	0.830		0.891	0.086
IPI00290461.3	Eukaryotic translation initiation factor 3 subunit 1	3		0.811	0.972	0.891	0.114
IPI00027397.3	Splice Isoform 1 of Hematological and neurological expressed 1-like protein	4		0.893		0.893	
IPI00299000.4	Proliferation-associated protein 2G4	9	0.893	0.889	0.897	0.893	0.004
IPI00374686.3	PREDICTED: similar to heterogeneous nuclear ribonucleoprotein A3 isoform 1	4		0.894		0.894	
IPI00289535.6	Mitochondrial-processing peptidase beta subunit, mitochondrial precursor	2	1.163	0.813	0.705	0.894	0.239
IPI00018465.1	T-complex protein 1 subunit eta	8	0.909	0.886	0.887	0.894	0.013
IPI00549248.3	Nucleophosmin	3		0.894		0.894	
IPI00219330.2	Splice Isoform 5 of Interleukin enhancer-binding factor 3	2	1.099	0.963	0.620	0.894	0.247
IPI00219525.9	6-phosphogluconate dehydrogenase, decarboxylating	5	1.053	0.968	0.662	0.894	0.205
IPI00029764.1	Splicing factor 3A subunit 3	2	0.971	0.794	0.919	0.895	0.091
IPI00301434.4	BolA-like protein 2 isoform a	3		0.817	0.972	0.895	0.109
IPI00013146.1	Mitochondrial 28S ribosomal protein S22	3	0.935	0.855		0.895	0.056
IPI00243220.2	132 kDa protein	3	1.000	0.970	0.716	0.895	0.156
IPI00011284.1	Catechol O-methyltransferase	3	0.943	0.932	0.812	0.896	0.073
IPI00033130.3	Ubiquitin-like 1-activating enzyme E1A	6	1.053	0.869	0.769	0.897	0.144
IPI00006510.1	Tubulin beta-1 chain	5	0.893	0.934	0.865	0.897	0.034
IPI00027448.3	ATP synthase subunit g, mitochondrial	2	0.909	0.886		0.898	0.016
IPI00026964.1	Ubiquinol-cytochrome c reductase iron-sulfur subunit, mitochondrial precursor	2		0.795	1.000	0.898	0.145
IPI00176698.2	12 kDa protein	7	1.087	0.923	0.684	0.898	0.203
IPI00026689.4	Hypothetical protein DKFZp686L20222	3	0.877	1.091	0.726	0.898	0.183
IPI00024664.1	Splice Isoform Long of Ubiquitin carboxyl-terminal hydrolase 5	2	1.053	1.012	0.630	0.898	0.233
IPI00032460.3	U6 snRNA-associated Sm-like protein LSm2	4	0.971	0.827		0.899	0.102
IPI00007927.3	Splice Isoform 1 of Structural maintenance of chromosome 2-like 1 protein	1	1.053	0.746		0.899	0.217
IPI00021016.3	Splice Isoform 1 of Elongation factor Ts, mitochondrial precursor	2	0.893		0.908	0.900	0.011
IPI00029485.2	Splice Isoform p150 of Dynactin-1	7	1.064		0.737	0.901	0.231
IPI00009253.1	Alpha-soluble NSF attachment protein	5	1.000		0.801	0.901	0.141

IPI number	Protein name	Peptide number	forward 1	reverse 2	reverse 3	Average	S.D.
IPI00021926.2	26S protease regulatory subunit S10B	6	1.031	0.927	0.748	0.902	0.143
IPI00013894.1	Stress-induced-phosphoprotein 1	17	0.926	0.925	0.855	0.902	0.041
IPI00549861.2	CDNA FLJ13369 fis, clone PLACE1000610, weakly similar to MSN5 PROTEIN	3	0.935	0.869		0.902	0.046
IPI00002520.1	Serine hydroxymethyltransferase, mitochondrial precursor	3	1.053	0.704	0.951	0.903	0.179
IPI00465260.3	GARS protein	11	1.099	0.938	0.673	0.903	0.215
IPI00218847.4	Splice Isoform 2 of Low molecular weight phosphotyrosine protein phosphatase			1.027	0.780	0.904	0.175
IPI00016339.4	Ras-related protein Rab-5C	12	0.862	0.856	0.994	0.904	0.078
IPI00009305.1	Glucosamine-6-phosphate isomerase	2		0.847	0.962	0.904	0.081
IPI00003881.5	Heterogeneous nuclear ribonucleoprotein F	3	0.826	1.033	0.855	0.905	0.112
IPI00021700.3	Proliferating cell nuclear antigen	5	0.971	0.987	0.759	0.905	0.127
IPI00013877.2	Splice Isoform 1 of Heterogeneous nuclear ribonucleoprotein H3	4	1.020	0.791		0.906	0.162
IPI00005705.1	Splice Isoform Gamma-1 of Serine/threonine-protein phosphatase PP1-gamma catalytic subunit	4	1.010		0.801	0.906	0.148
IPI00007812.1	Vacuolar ATP synthase subunit B, brain isoform	2	1.000	1.012	0.705	0.906	0.174
IPI00026670.3	Transcription elongation factor B polypeptide 2	1		0.906		0.906	
IPI00014898.1	Splice Isoform 1 of Plectin-1	2	1.010	0.803		0.906	0.147
IPI00020984.1	Calnexin precursor	4	0.962	0.861	0.897	0.907	0.051
IPI00026154.1	Glucosidase 2 beta subunit precursor	2	0.917	0.820	0.983	0.907	0.082
IPI00185374.3	26S proteasome non-ATPase regulatory subunit 12	4	0.990	0.898	0.833	0.907	0.079
IPI00029744.1	Single-stranded DNA-binding protein, mitochondrial precursor	13	1.136	1.009	0.577	0.907	0.293
IPI00003949.1	Ubiquitin-conjugating enzyme E2 N	5	0.935	0.850	0.940	0.908	0.051
IPI00006612.1	Clathrin coat assembly protein AP180	2			0.908	0.908	
IPI00000060.1	Guanine nucleotide-binding protein G(I)/G(S)/G(O) gamma-5-like subunit	2			0.908	0.908	
IPI00027230.3	Endoplasmic precursor	23	0.962	0.866	0.897	0.908	0.049
IPI00017303.1	DNA mismatch repair protein Msh2	2		1.124	0.694	0.909	0.303
IPI00024524.3	Putative 28 kDa protein	2	0.909			0.909	
IPI00215888.3	Signal recognition particle 72 kDa protein	1	0.909			0.909	
IPI00290305.3	TP53-regulating kinase	2	0.909			0.909	
IPI00001890.8	Coatomer subunit gamma	2	1.053	0.713	0.962	0.909	0.176

IPI number	Protein name	Peptide number	forward 1	reverse 2	reverse 3	Average	S.D.
IPI00456750.2	Niban-like protein	2	0.826		0.994	0.910	0.118
IPI00643041.2	GTP-binding nuclear protein Ran	2	1.075	0.832	0.823	0.910	0.143
IPI00007765.5	Stress-70 protein, mitochondrial precursor	49	0.926	0.907	0.897	0.910	0.015
IPI00376503.1	Pyrroline-5-carboxylate reductase 1 isoform 2	8	0.990		0.833	0.912	0.111
IPI00029740.1	Sorting nexin 3 isoform a	3		0.912		0.912	
IPI00396321.1	Leucine-rich repeat-containing protein 59	6	0.862	0.916	0.962	0.913	0.050
IPI00010201.4	26S proteasome non-ATPase regulatory subunit 8	2	0.952		0.876	0.914	0.054
IPI00012074.3	Heterogeneous nuclear ribonucleoprotein R	10	1.010	0.879	0.855	0.915	0.083
IPI00003377.1	Splice Isoform 1 of Splicing factor, arginine/serine-rich 7	8	0.962	0.869		0.915	0.066
IPI00000877.1	150 kDa oxygen-regulated protein precursor	2	1.031	0.926	0.791	0.916	0.120
IPI00000874.1	Peroxiredoxin-1	3	1.075	0.765	0.908	0.916	0.155
IPI00554777.1	Asparagine synthetase	2	1.000	0.787	0.962	0.916	0.113
IPI00013949.1	Small glutamine-rich tetratricopeptide repeat-containing protein A	3	0.893		0.940	0.917	0.033
IPI00022694.3	Splice Isoform Rpn10A of 26S proteasome non-ATPase regulatory subunit 4	6	1.000		0.833	0.917	0.118
IPI00026268.2	Guanine nucleotide-binding protein G(I)/G(S)/G(T) beta s	4	0.990		0.844	0.917	0.103
IPI00465315.5	Cytochrome c	2	1.087	0.939	0.726	0.917	0.181
IPI00219335.9	60S ribosomal protein L3-like	2	0.917			0.917	
IPI00025277.5	Programmed cell death protein 6	1	0.917			0.917	
IPI00000948.3	Transducin beta-like 2 protein	2	0.917			0.917	
IPI00018398.4	26S protease regulatory subunit 6A	4	1.020	0.974	0.759	0.918	0.140
IPI00016768.2	L-lactate dehydrogenase A-like 6B	1			0.919	0.919	
IPI00219077.3	LTA4H protein	2			0.919	0.919	
IPI00020008.1	NEDD8 precursor	2			0.919	0.919	
REV_1501_Protein	no description	1			0.919	0.919	
IPI00465439.4	Fructose-bisphosphate aldolase A	7	1.000	0.987	0.769	0.919	0.130
IPI00220642.6	14-3-3 protein gamma	11	0.971	0.953	0.833	0.919	0.075
IPI00291946.7	Ubiquitin carboxyl-terminal hydrolase 10	2	0.926	1.266	0.566	0.919	0.350
IPI00003362.2	Hypothetical protein	37	1.042	0.798	0.919	0.919	0.122
IPI00294627.1	Splice Isoform 2 of Splicing factor 1	2	1.099	0.965	0.694	0.919	0.206
IPI00024620.5	E(Y)2 homolog	2	0.840	0.999		0.920	0.112

IPI number	Protein name	Peptide number	forward 1	reverse 2	reverse 3	Average	S.D.
IPI00375380.3	proteasome 26S non-ATPase subunit 13 isoform 2	3	1.010	0.941	0.812	0.921	0.101
IPI00028888.1	Splice Isoform 1 of Heterogeneous nuclear ribonucleoprotein D0	2	1.087	0.961	0.716	0.921	0.189
IPI00301277.1	Heat shock 70 kDa protein 1L	7	1.075	0.941	0.748	0.921	0.165
IPI00438229.1	Splice Isoform 1 of Transcription intermediary factor 1-beta	8	0.971	0.982	0.812	0.921	0.095
IPI00300371.3	Splicing factor 3B subunit 3	2		0.957	0.887	0.922	0.050
IPI00007755.2	Ras-related protein Rab-21	5	0.943	0.967	0.855	0.922	0.059
IPI00011134.1	Heat shock 70 kDa protein 7 (Fragment)	2	1.111	0.917	0.737	0.922	0.187
IPI00021290.4	ATP-citrate synthase	27	1.010	0.934	0.823	0.922	0.094
IPI00383751.1	CALRETICULIN (Calcium binding protein)	2	1.031	0.989	0.748	0.923	0.153
IPI00550882.2	Pyrroline-5-carboxylate reductase 1	1	0.980	1.008	0.780	0.923	0.125
IPI00027285.1	Splice Isoform SM-B' of Small nuclear ribonucleoprotein-associated proteins B and B'	3		0.852	0.994	0.923	0.100
IPI00006167.1	Protein phosphatase 2C isoform gamma	3	1.075	0.862	0.833	0.923	0.132
IPI00010796.1	Protein disulfide-isomerase precursor	6	0.935	0.919	0.919	0.924	0.009
IPI00031697.1	Transmembrane protein 109 precursor	3		0.924		0.924	
IPI00220644.7	Splice Isoform M1 of Pyruvate kinase isozymes M1/M2	26	0.909	0.914	0.951	0.925	0.023
IPI00646917.1	Cleavage and polyadenylation specificity factor 5	2	0.980	0.870		0.925	0.078
IPI00023640.2	Programmed cell death protein 5	15	1.149	0.741	0.887	0.926	0.207
IPI00293350.3	Translin-associated protein X	2	0.901		0.951	0.926	0.035
IPI00069750.1	Fuse-binding protein-interacting repressor isoform a	3	0.877	0.939	0.962	0.926	0.044
IPI00004454.2	Dolichyl-phosphate mannosyltransferase polypeptide 3 isoform 1	2		0.926		0.926	
IPI00031556.5	Splicing factor U2AF 65 kDa subunit	5	0.926			0.926	
IPI00554786.2	Thioredoxin reductase 1, cytoplasmic precursor	2	0.971	0.835	0.972	0.926	0.079
IPI00003479.2	Mitogen-activated protein kinase 1	10	0.971	1.092	0.716	0.926	0.192
IPI00012007.5	Adenosylhomocysteinase	9	0.893	0.818	1.068	0.927	0.128
IPI00027255.1	Myosin light chain 1, slow-twitch muscle A isoform	2		0.927		0.927	
IPI00293434.1	Signal recognition particle 14 kDa protein	6	0.806	1.047		0.927	0.170
IPI00005978.7	Splicing factor, arginine/serine-rich 2	4	1.020	0.833		0.927	0.132
IPI00009904.1	Protein disulfide-isomerase A4 precursor	11	1.010	0.918	0.855	0.928	0.078
IPI00382412.3	Branched-chain-amino-acid aminotransferase, cytosolic	4	0.990		0.865	0.928	0.088
IPI00216171.2	Gamma-enolase	7	0.962	0.882	0.940	0.928	0.041

IPI number	Protein name	Peptide number	forward 1	reverse 2	reverse 3	Average	S.D.
IPI00001639.2	Importin beta-1 subunit	15	0.935	0.890	0.962	0.929	0.036
IPI00177728.3	Cytosolic nonspecific dipeptidase	3			0.929	0.929	
IPI00002803.5	Serine/threonine-protein kinase N1	3			0.929	0.929	
IPI00010460.1	AH receptor-interacting protein	2		0.833	1.026	0.929	0.136
IPI00383581.3	Splice Isoform 1 of Neutral alpha-glucosidase AB precursor	2	0.952		0.908	0.930	0.031
IPI00166768.2	TUBA6 protein	2	0.990	0.957	0.844	0.930	0.077
IPI00179291.4	Cytosolic aminopeptidase P	2		0.696	1.165	0.930	0.331
IPI00218371.3	Ribose-phosphate pyrophosphokinase III	3	1.000	0.885	0.908	0.931	0.061
IPI00220038.1	Splice Isoform B of Arsenite-resistance protein 2	2	0.943	0.920		0.932	0.016
IPI00020042.2	Splice Isoform 1 of 26S protease regulatory subunit 6B	8	1.075	0.996	0.726	0.933	0.183
IPI00031461.1	Rab GDP dissociation inhibitor beta	8	1.010	0.806	0.983	0.933	0.111
IPI00180637.4	TIP41, TOR signalling pathway regulator-like isoform 1	2	0.840		1.026	0.933	0.131
IPI00294178.1	Serine/threonine-protein phosphatase 2A 65 kDa regulator	5	0.990		0.876	0.933	0.081
IPI00027434.1	Rho-related GTP-binding protein RhoC precursor	5	0.820	0.954	1.026	0.933	0.105
IPI00017964.1	Small nuclear ribonucleoprotein Sm D3	6		0.916	0.951	0.933	0.025
IPI00007752.1	Tubulin beta-2C chain	2	0.971	1.009	0.823	0.934	0.098
IPI00220637.4	Seryl-tRNA synthetase	20	0.971		0.897	0.934	0.052
IPI00008527.3	60S acidic ribosomal protein P1	2	0.758		1.111	0.934	0.250
IPI00024968.1	BM022	3	0.935			0.935	
IPI00219483.1	Splice Isoform 2 of U1 small nuclear ribonucleoprotein 70 kDa	2		0.935		0.935	
IPI00305442.3	Ubiquitin associated domain containing 1	3	0.935			0.935	
IPI00032003.1	Emerin	2	0.926	0.943		0.935	0.012
IPI00011675.1	Splice Isoform Sp100-HMG of Nuclear autoantigen Sp-100	2	1.176		0.694	0.935	0.341
IPI00220991.2	Splice Isoform 2 of AP-2 complex subunit beta-1	2	1.020	0.943	0.844	0.936	0.088
IPI00215638.5	ATP-dependent RNA helicase A	20	1.020	0.912	0.876	0.936	0.075
IPI00250297.3	L-aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase	3	0.943		0.929	0.936	0.010
IPI00140420.4	Staphylococcal nuclease domain-containing protein 1	15	0.901	0.915	0.994	0.936	0.050
IPI00013890.1	14-3-3 protein sigma	2		0.937		0.937	
IPI00028055.4	Transmembrane emp24 domain-containing protein 10 precursor	2		0.937		0.937	
IPI00011454.1	Splice Isoform 2 of Neutral alpha-glucosidase AB precursor	3	0.962	0.951	0.897	0.937	0.034

IPI number	Protein name	Peptide number	forward 1	reverse 2	reverse 3	Average	S.D.
IPI00021435.2	26S protease regulatory subunit 7	2	0.980	1.028	0.801	0.937	0.120
IPI00007188.4	ADP/ATP translocase 2	9	0.909	0.965		0.937	0.039
IPI00018768.1	Translin	3	0.935	0.831	1.047	0.937	0.108
IPI00025796.3	NADH-ubiquinone oxidoreductase 30 kDa subunit, mitochondrial precursor	2	1.042	0.833		0.938	0.147
IPI00013871.1	Ribonucleoside-diphosphate reductase large subunit	2	0.935	1.056	0.823	0.938	0.117
IPI00013808.1	Alpha-actinin-4	8	0.901	0.929	0.983	0.938	0.042
IPI00011654.2	Tubulin beta-2 chain	15	0.952	0.943	0.919	0.938	0.017
IPI00027834.3	Heterogeneous nuclear ribonucleoprotein L isoform a	5	1.111	1.056	0.652	0.940	0.251
IPI00465256.3	GTP:AMP phosphotransferase mitochondrial	4			0.940	0.940	
IPI00024644.5	Phosphoribosyl transferase domain containing 1 variant	2			0.940	0.940	
IPI00334159.6	Von Hippel-Lindau binding protein 1	2	0.855		1.026	0.940	0.121
IPI00023919.4	26S protease regulatory subunit 8	3	0.885	1.146	0.791	0.940	0.184
IPI00289334.1	Splice Isoform 1 of Filamin-B	11	0.926	1.074	0.823	0.941	0.126
IPI00220301.4	Peroxiredoxin-6	38	1.064	1.011	0.748	0.941	0.169
IPI00295400.1	Tryptophanyl-tRNA synthetase	5	0.990	0.918	0.919	0.942	0.041
IPI00013769.1	Alpha-enolase, lung specific	10	0.980	0.865	0.983	0.943	0.067
IPI00143753.3	PREDICTED: U2-associated SR140 protein	3	0.893	0.993		0.943	0.071
IPI00003734.1	Putative S100 calcium-binding protein H_NH0456N16.1	3	0.926	0.960		0.943	0.024
IPI00096066.2	Succinyl-CoA ligase [GDP-forming] beta-chain, mitochondrial	4	1.064		0.823	0.943	0.171
IPI00004968.1	Pre-mRNA-splicing factor 19	4	1.042	0.845		0.943	0.139
IPI00009480.1	COP9 signalosome complex subunit 8	2		0.943		0.943	
IPI00291165.6	Polyribonucleotide nucleotidyltransferase 1, mitochondrial	4	0.943			0.943	
IPI00640981.2	Retinoblastoma-associated factor 600	2		0.943		0.943	
IPI00009235.1	Translocon-associated protein gamma subunit	2		0.943		0.943	
IPI00180954.4	Cold-inducible RNA-binding protein	4		0.944		0.944	
IPI00010105.1	Eukaryotic translation initiation factor 6	5	1.149	0.807	0.876	0.944	0.181
IPI00027107.5	Tu translation elongation factor, mitochondrial	25	1.042	0.959	0.833	0.945	0.105
IPI00178352.4	Splice Isoform 1 of Filamin-C	31	1.010	1.034	0.791	0.945	0.134
IPI00219018.6	Glyceraldehyde-3-phosphate dehydrogenase	40	0.917	0.808	1.111	0.945	0.154
IPI00013679.1	Splice Isoform DUT-M of Deoxyuridine 5'-triphosphate	8	1.220	0.733	0.887	0.947	0.248

IPI number	Protein name	Peptide number	forward 1	reverse 2	reverse 3	Average	S.D.
	nucleotidohydrolase, mitochondrial precursor						
IPI00172460.3	Splice Isoform 3 of Adenylate kinase isoenzyme 2, mitochondrial	14	1.064	0.815	0.962	0.947	0.125
IPI00216105.1	Splice Isoform 2 of Putative GTP-binding protein PTD004	3	0.980	1.049	0.812	0.947	0.122
IPI00246058.5	PDCD6IP protein	8	1.020	1.062	0.759	0.947	0.165
IPI00221222.6	Activated RNA polymerase II transcriptional coactivator p15	3	0.990	0.890	0.962	0.947	0.052
IPI00025366.4	Citrate synthase, mitochondrial precursor	8	1.075	1.031	0.737	0.948	0.184
IPI00013174.2	Splice Isoform 1 of RNA-binding protein 14	2		0.948		0.948	
IPI00298558.2	Programmed cell death protein 10	2	1.042	1.163	0.641	0.948	0.273
IPI00401264.5	Thioredoxin domain-containing protein 4 precursor	5	1.149		0.748	0.949	0.284
IPI00294398.1	Splice Isoform 1 of Short chain 3-hydroxyacyl-CoA dehydrogenase, mitochondrial precursor	2	0.962	1.190	0.694	0.949	0.248
IPI00024661.4	Protein transport protein Sec24C	2	0.990		0.908	0.949	0.058
IPI00411706.1	Esterase D	1	1.010	0.997	0.844	0.950	0.092
IPI00453476.2	PREDICTED: similar to Phosphoglycerate mutase 1 (Phosphoglycerate mutase isozyme B) (PGAM-B) (BPG-dependent PGAM 1) isoform 1	16	1.000	0.911	0.940	0.950	0.045
IPI00004416.1	Charged multivesicular body protein 2a	7			0.951	0.951	
IPI00299904.3	Splice Isoform 1 of DNA replication licensing factor MCM7	5	0.943	0.958		0.951	0.011
IPI00219622.2	Proteasome subunit alpha type 2	1	0.926	0.957	0.972	0.952	0.024
IPI00304925.3	Heat shock 70 kDa protein 1	15	1.053	0.937	0.865	0.952	0.094
IPI00220362.4	10 kDa heat shock protein, mitochondrial	14	1.042	0.831	0.983	0.952	0.109
IPI00033030.2	Adhesion-regulating molecule 1 precursor	2	1.042	0.862		0.952	0.127
IPI00293655.3	ATP-dependent RNA helicase DDX1	11	0.952			0.952	
IPI00009949.1	Proteasome inhibitor PI31 subunit	2		0.952		0.952	
IPI00005613.2	Splicing factor U2AF 35 kDa subunit	2	0.952			0.952	
IPI00044779.1	TC4 protein	7	0.971	0.904	0.983	0.952	0.043
IPI00291922.2	Proteasome subunit alpha type 5	8	1.075	0.908	0.876	0.953	0.107
IPI00215790.5	60S ribosomal protein L38	5	1.124	0.782		0.953	0.241
IPI00016342.1	Ras-related protein Rab-7	10	0.909	1.002	0.951	0.954	0.047
IPI00024911.1	Endoplasmic reticulum protein ERp29 precursor	5	1.053	0.958	0.855	0.955	0.099
IPI00005198.2	Interleukin enhancer-binding factor 2	5	1.136	0.779	0.951	0.955	0.179

IPI number	Protein name	Peptide number	forward 1	reverse 2	reverse 3	Average	S.D.
IPI00005102.3	Spermine synthase	3	0.962		0.951	0.956	0.008
IPI00217661.3	Splice Isoform 2 of Protein raver-1	3		0.957		0.957	
IPI00412259.2	PREDICTED: similar to ATP-dependent DNA helicase II, 70 kDa subunit (Lupus Ku autoantigen protein p70) (Ku70) (70 kDa subunit of Ku antigen) (Thyroid-lupus autoantigen) (TLAA) (CTC box binding factor 75 kDa subunit) (CTCBF) (CTC75) isoform 1	6	1.064	0.974	0.833	0.957	0.116
IPI00032831.4	Synaptosomal-associated protein 29	4	0.990	1.020	0.865	0.958	0.082
IPI00023004.6	Eukaryotic translation initiation factor 1A, Y-chromosomal	2		0.959		0.959	
IPI00032892.1	Geranylgeranyl pyrophosphate synthetase	4	1.064		0.855	0.959	0.148
IPI00023542.5	Transmembrane emp24 protein transport domain containing 9	2		0.960		0.960	
IPI00003527.4	Ezrin-radixin-moesin-binding phosphoprotein 50	1			0.962	0.962	
IPI00555915.1	Heat shock protein 90Bf	1	0.962			0.962	
IPI00217053.6	Hypothetical protein	2			0.962	0.962	
IPI00155168.2	Protein tyrosine phosphatase, receptor type, C	2			0.962	0.962	
IPI00165261.5	Sec1 family domain-containing protein 1	2			0.962	0.962	
IPI00008167.1	Sodium/potassium-transporting ATPase beta-3 chain	5			0.962	0.962	
IPI00170796.1	Splice Isoform 1 of Vacuolar protein sorting 29	2		0.962		0.962	
IPI00256684.1	Splice Isoform B of AP-2 complex subunit alpha-1	3	0.962			0.962	
IPI00029601.4	Src substrate cortactin	1	0.962			0.962	
IPI00004324.1	Trafficking protein particle complex subunit 3	2		0.962		0.962	
IPI00305383.1	Ubiquinol-cytochrome-c reductase complex core protein 2,	8	0.962			0.962	
IPI00553131.2	UDP-glucose 4-epimerase	3	0.962			0.962	
IPI00009268.1	Aminoacylase-1	2	0.952	0.962	0.972	0.962	0.010
IPI00465430.5	70 kDa protein	9	1.010	1.033	0.844	0.962	0.103
IPI00328343.7	Spliceosome RNA helicase BAT1	2	1.010	0.905	0.972	0.962	0.053
IPI00004839.1	Crk-like protein	3	1.163	1.034	0.694	0.964	0.242
IPI00025252.1	Protein disulfide-isomerase A3 precursor	28	0.971	0.960	0.962	0.964	0.006
IPI00293867.6	D-dopachrome decarboxylase	4	0.885	0.960	1.047	0.964	0.081
IPI00010896.2	Chloride intracellular channel protein 1	10	0.990	0.953	0.951	0.964	0.022
IPI00030783.1	Signal transducer and activator of transcription 5A	6	1.075	0.996	0.823	0.965	0.129
IPI00220766.3	Lactoylglutathione lyase	3	0.980	0.877	1.036	0.965	0.081

IPI number	Protein name	Peptide number	forward 1	reverse 2	reverse 3	Average	S.D.
IPI00006378.3	Coiled-coil domain-containing protein 72	3		0.965		0.965	
IPI00024971.1	Oxysterol-binding protein 1	3	0.926		1.004	0.965	0.055
IPI00006935.2	Eukaryotic translation initiation factor 5A-2	4	1.149	0.893	0.855	0.966	0.160
IPI00456966.2	26 kDa protein	6	0.980		0.951	0.966	0.021
IPI00419237.2	Leucine aminopeptidase	3	1.075	0.841	0.983	0.966	0.118
IPI00456635.1	Splice Isoform 1 of Unc-13 homolog D	6	1.111		0.823	0.967	0.204
IPI00012268.3	26S proteasome non-ATPase regulatory subunit 2	7	1.075	0.939	0.887	0.967	0.097
IPI00106509.2	Splice Isoform 4 of Heterogeneous nuclear ribonucleoprotein A/B	7	1.075	0.860		0.968	0.152
IPI00004860.2	Arginyl-tRNA synthetase	4	1.020	1.019	0.865	0.968	0.089
IPI00299155.5	Proteasome subunit alpha type 4	5	1.010	0.881	1.015	0.969	0.076
IPI00032826.1	Hsc70-interacting protein	4	1.031	0.871	1.004	0.969	0.085
IPI00029623.1	Proteasome subunit alpha type 6	11	1.000	0.914	0.994	0.969	0.048
IPI00005159.3	Actin-like protein 2	1	1.020	0.920		0.970	0.071
IPI00184195.2	19 kDa protein	2	1.075	0.866		0.971	0.148
IPI00008274.5	Adenylyl cyclase-associated protein 1	11	0.943	1.114	0.855	0.971	0.132
IPI00328987.3	Bystin	5	0.971			0.971	
IPI00399318.1	Epsilon subunit of coatamer protein complex isoform b	3	0.971			0.971	
IPI00006440.4	Mitochondrial ribosomal protein S7	2	0.971			0.971	
IPI00025239.2	NADH-ubiquinone oxidoreductase 49 kDa subunit, mitochondrial precursor	2	0.971			0.971	
IPI00028481.1	Ras-related protein Rab-8A	2		0.971		0.971	
IPI00100197.3	Splice Isoform 1 of NSFL1 cofactor p47	3	0.971			0.971	
IPI00464952.2	Splicing factor arginine/serine-rich 11	2		0.971		0.971	
IPI00021428.1	Actin, alpha skeletal muscle	4	0.901	1.000	1.015	0.972	0.062
IPI00644079.2	Heterogeneous nuclear ribonucleoprotein U isoform a	2			0.972	0.972	
IPI00165579.6	PP856	3			0.972	0.972	
IPI00043363.3	Prickle-like protein 1	2			0.972	0.972	
IPI00017373.1	Replication protein A 14 kDa subunit	1			0.972	0.972	
IPI00008219.1	UV excision repair protein RAD23 homolog A	4			0.972	0.972	
IPI00385562.1	Quaking homolog, KH domain RNA binding isoform HQK-7	2	1.111		0.833	0.972	0.196
IPI00102936.3	Splice Isoform 2 of Signal recognition particle 68 kDa protein	2		0.866	1.079	0.972	0.151

IPI number	Protein name	Peptide number	forward 1	reverse 2	reverse 3	Average	S.D.
IPI00298363.2	Far upstream element-binding protein 2	7	0.943	0.970	1.004	0.973	0.031
IPI00171199.4	Splice Isoform 2 of Proteasome subunit alpha type 3	5	1.010	0.936	0.972	0.973	0.037
IPI00303318.2	Protein FAM49B	3	1.111	1.070	0.737	0.973	0.205
IPI00017448.1	40S ribosomal protein S21	3	0.833	0.858	1.229	0.973	0.221
IPI00293464.5	DNA damage-binding protein 1	2		0.954	0.994	0.974	0.028
IPI00009032.1	Lupus La protein	15	1.010	1.057	0.855	0.974	0.106
IPI00300074.3	Phenylalanyl-tRNA synthetase beta chain	1	0.935	1.154	0.833	0.974	0.164
IPI00019894.2	Splice Isoform 2 of Ubiquitin-conjugating enzyme E2-25 kDa	1	0.952	0.997		0.975	0.031
IPI00166865.3	Similar to mouse 1500009M05Rik protein	2		0.975		0.975	
IPI00007074.4	Tyrosyl-tRNA synthetase, cytoplasmic	5	1.087	0.878	0.962	0.976	0.105
IPI00009071.2	Splice Isoform 3 of FUS-interacting serine-arginine-rich protein 1	4	0.971	0.980		0.976	0.007
IPI00289499.3	Bifunctional purine biosynthesis protein PURH	18	0.962	1.004	0.962	0.976	0.025
IPI00550308.1	RNA-binding protein 12	2	0.926		1.026	0.976	0.071
IPI00306960.3	Asparaginyl-tRNA synthetase, cytoplasmic	10	1.205		0.748	0.976	0.323
IPI00216298.5	Thioredoxin	3		0.977		0.977	
IPI00023510.1	Ras-related protein Rab-5A	2	0.962	0.977	0.994	0.977	0.016
IPI00007052.6	Mitochondria fission 1 protein	4		1.175	0.780	0.977	0.279
IPI00022830.3	Splice Isoform 2 of NSFL1 cofactor p47	2	0.833		1.122	0.978	0.204
IPI00305668.6	Mitochondrial 28S ribosomal protein S6	2		0.978		0.978	
IPI00479786.2	KH-type splicing regulatory protein	2	0.952	1.004		0.978	0.037
IPI00219129.8	Ribosyldihydronicotinamide dehydrogenase	4		1.050	0.908	0.979	0.101
IPI00179330.6	Ubiquitin and ribosomal protein S27a precursor	18	0.962	1.058	0.919	0.979	0.071
IPI00002460.2	Splice Isoform 1 of Annexin A7	2	1.136	0.980	0.823	0.980	0.157
IPI00014474.1	A-kinase anchor protein 8	2	0.980			0.980	
IPI00022018.1	Dolichol-phosphate mannosyltransferase	2	0.980			0.980	
IPI00306516.1	Import inner membrane translocase subunit TIM44, mitocho	4	0.980			0.980	
IPI00395887.4	Thioredoxin domain-containing protein 1 precursor	2	0.980			0.980	
IPI00045921.1	TOB3	2	0.980			0.980	
IPI00016613.2	CSNK2A1 protein	2	0.893		1.068	0.981	0.124
IPI00374975.2	Probable phosphoglycerate mutase 4	2	0.962	0.945	1.036	0.981	0.049
IPI00031517.1	DNA replication licensing factor MCM6	3	1.064	1.069	0.812	0.982	0.147

IPI number	Protein name	Peptide number	forward 1	reverse 2	reverse 3	Average	S.D.
IPI00025091.1	40S ribosomal protein S11	12	0.870	0.857	1.218	0.982	0.205
IPI00013508.5	Alpha-actinin-1	7	1.010	0.984	0.951	0.982	0.030
IPI00219365.2	Moesin	19	1.053	0.889	1.004	0.982	0.084
IPI00015602.1	Mitochondrial precursor proteins import receptor	3	1.099		0.865	0.982	0.165
IPI00024993.4	Enoyl-CoA hydratase, mitochondrial precursor	8	1.124	0.970	0.855	0.983	0.135
IPI00435950.1	FP944	2			0.983	0.983	
IPI00171664.2	Nucleoporin 43kDa	2			0.983	0.983	
IPI00000690.1	Splice Isoform 1 of Programmed cell death protein 8, mitochondrial precursor	6	1.064	1.009	0.876	0.983	0.097
IPI00016832.1	Splice Isoform Short of Proteasome subunit alpha type 1	1	0.990	0.923	1.036	0.983	0.057
IPI00302176.5	Splice Isoform 1 of H/ACA ribonucleoprotein complex subunit 1	3	1.031	0.935		0.983	0.068
IPI00140827.2	PREDICTED: similar to SMT3 suppressor of mif two 3 homolog 2	2	1.124	0.843		0.984	0.198
IPI00003348.2	Guanine nucleotide-binding protein G(I)/G(S)/G(T) beta subunit 2	5	0.952		1.015	0.984	0.044
IPI00031522.2	Trifunctional enzyme alpha subunit, mitochondrial precursor	27	1.149	1.193	0.609	0.984	0.325
IPI00009901.1	Nuclear transport factor 2	1		0.984		0.984	
IPI00022314.1	Superoxide dismutase [Mn], mitochondrial precursor	2		0.953	1.015	0.984	0.043
IPI00000816.1	14-3-3 protein epsilon	14	1.020	0.985	0.951	0.985	0.035
IPI00384051.4	Proteasome activator complex subunit 2	8	1.031		0.940	0.986	0.064
IPI00008557.3	Insulin-like growth factor 2 mRNA binding protein 1	5	0.971	0.971	1.015	0.986	0.025
IPI00026216.4	Puromycin-sensitive aminopeptidase	6	1.075		0.897	0.986	0.126
IPI00169280.2	Aflatoxin B1 aldehyde reductase member 4 (Fragment)	2	0.820		1.154	0.987	0.236
IPI00010154.3	Rab GDP dissociation inhibitor alpha	8	1.010	0.978	0.972	0.987	0.020
IPI00013452.8	Glutamyl-prolyl tRNA synthetase	11	1.099	0.988	0.876	0.988	0.111
IPI00155723.3	DEAH (Asp-Glu-Ala-His) box polypeptide 9 isoform 2	5		0.988		0.988	
IPI00025512.2	Heat-shock protein beta-1	15	0.962	1.053	0.951	0.988	0.056
IPI00550363.2	Transgelin-2	3	1.020	0.953	0.994	0.989	0.034
IPI00217236.3	Tubulin-specific chaperone A	9	1.020	0.944	1.004	0.989	0.041
IPI00550689.3	HSPC117 protein	3	1.020	0.966	0.983	0.990	0.028
IPI00022793.4	Trifunctional enzyme beta subunit, mitochondrial precursor	3	1.124	1.226	0.620	0.990	0.325
IPI00026519.1	Peptidyl-prolyl cis-trans isomerase, mitochondrial precursor	2		0.990		0.990	
IPI00100460.2	Aspartyl-tRNA synthetase 2	2	0.990			0.990	

IPI number	Protein name	Peptide number	forward 1	reverse 2	reverse 3	Average	S.D.
IPI00029264.3	Cytochrome c1, heme protein, mitochondrial precursor	6	0.990			0.990	
IPI00162199.8	DKFZP434B0335 protein	1	0.990			0.990	
IPI00260769.3	Hypothetical protein	4	0.990			0.990	
IPI00641574.1	Isoleucine-tRNA synthetase	2	0.990			0.990	
IPI00554769.1	Mutant GSTP1	2	0.990			0.990	
IPI00329600.3	Probable saccharopine dehydrogenase	5	0.990			0.990	
IPI00514380.1	Pyrroline-5-carboxylate reductase family, member 2	2	0.990			0.990	
IPI00027233.3	SCO1 protein homolog, mitochondrial precursor	3	0.990			0.990	
IPI00001676.7	Splice Isoform 2 of Nuclear protein localization protein	2	0.990			0.990	
IPI00168235.4	CDNA FLJ33352 fis, clone BRACE2005087, weakly similar to PRE-MRNA SPLICING HELICASE BRR2	6	0.980	1.000		0.990	0.014
IPI00012066.1	Poly(rC)-binding protein 2 isoform b	5	1.042	0.969	0.962	0.991	0.044
IPI00010740.1	Splice Isoform Long of Splicing factor, proline- and glutamine-rich	16	0.909	1.135	0.929	0.991	0.125
IPI00399212.2	PREDICTED: similar to Ran-specific GTPase-activating protein	5	0.917	0.787	1.271	0.992	0.251
IPI00013895.1	Protein S100-A11	2		0.992		0.992	
IPI00302592.2	Filamin A, alpha	42	0.980	1.004	0.994	0.993	0.012
IPI00165360.4	3-mercaptopyruvate sulfurtransferase	2		1.196	0.791	0.993	0.287
IPI00376317.3	Autoantigen RCD8	2	1.010	0.979		0.995	0.022
IPI00382470.2	Heat shock protein HSP 90-alpha 2	20	0.962	0.956	1.068	0.995	0.063
IPI00018349.5	DNA replication licensing factor MCM4	6	1.031	1.060	0.897	0.996	0.087
IPI00026665.1	Glutaminyl-tRNA synthetase	2	0.885	1.191	0.919	0.998	0.168
IPI00375704.1	Proteasome subunit beta type (Fragment)	8		1.046	0.951	0.998	0.067
IPI00106668.4	Splice Isoform A of Mannose-6-phosphate receptor-binding protein	6	1.111		0.887	0.999	0.159
IPI00291928.7	Ras-related protein Rab-14	5		0.919	1.079	0.999	0.113
IPI00020436.3	Ras-related protein Rab-11B	11		0.930	1.068	0.999	0.098
IPI00413451.1	Hypothetical protein DKFZp686I04222	2	1.136	0.921	0.940	0.999	0.119
IPI00015148.3	Ras-related protein Rap-1b precursor	3	1.064	0.888	1.047	1.000	0.097
IPI00025019.3	Proteasome subunit beta type 1	9	1.031	1.104	0.865	1.000	0.122
IPI00172594.3	39S ribosomal protein L28, mitochondrial precursor	3	1.000			1.000	
IPI00019912.2	Peroxisomal multifunctional enzyme type 2	2		1.000		1.000	
IPI00165230.1	Splice Isoform 1 of DAZ-associated protein 1	3	1.000			1.000	

IPI number	Protein name	Peptide number	forward 1	reverse 2	reverse 3	Average	S.D.
IPI00298887.5	Splice Isoform 1 of Signal transducer and activator of transcription 3	2	1.000			1.000	
IPI00022202.3	Splice Isoform A of Phosphate carrier protein, mitochondrial	5	1.000			1.000	
IPI00029048.2	Tubulin--tyrosine ligase-like protein 12	5	1.000			1.000	
IPI00293276.9	Macrophage migration inhibitory factor	10	1.020	0.901	1.079	1.000	0.091
IPI00031169.1	Ras-related protein Rab-2A	3		1.029	0.972	1.001	0.040
IPI00020599.1	Calreticulin precursor	6	0.990	0.943	1.068	1.001	0.063
IPI00016513.5	Ras-related protein Rab-10	2		0.901	1.100	1.001	0.141
IPI00215914.4	ADP-ribosylation factor 1	3	1.136	0.980	0.887	1.001	0.126
IPI00299571.4	CDNA FLJ45525 fis, clone BRTHA2026311, highly similar to Protein disulfide isomerase A6	2	1.010	0.969	1.026	1.002	0.029
IPI00009149.2	Splice Isoform 2 of Suppressor of G2 allele of SKP1	2	1.064		0.940	1.002	0.087
IPI00291175.6	Splice Isoform 1 of Vinculin	51	1.000	1.012	0.994	1.002	0.010
IPI00002966.1	Heat shock 70 kDa protein 4	8	0.971	1.032	1.004	1.002	0.031
IPI00289819.4	Cation-independent mannose-6-phosphate receptor precursor	1		1.075	0.929	1.002	0.103
IPI00219447.6	Serine/threonine-protein kinase PAK 2	5	0.820		1.186	1.003	0.259
IPI00034319.2	Splice Isoform A of Protein CutA precursor	2	0.909	1.020	1.079	1.003	0.086
IPI00218570.5	Phosphoglycerate mutase 2	10	1.053	0.922	1.036	1.004	0.071
IPI00010414.3	PDZ and LIM domain protein 1	2	1.053	1.329	0.630	1.004	0.352
IPI00022881.1	Splice Isoform 1 of Clathrin heavy chain 2	7	1.176	0.960	0.876	1.004	0.155
IPI00441344.1	Beta-galactosidase precursor	8			1.004	1.004	
IPI00020906.1	Inositol monophosphatase	1			1.004	1.004	
IPI00168184.7	CDNA FLJ34068 fis, clone FCBBF3001918, highly similar to SERINE/THREONINE PROTEIN PHOSPHATASE 2A, 65 kDa REGULATORY SUBUNIT A, ALPHA ISOFORM	6	1.087	1.061	0.865	1.004	0.121
IPI00012069.1	NAD(P)H dehydrogenase [quinone] 1	2	1.010	0.850	1.154	1.005	0.152
IPI00003420.1	Splice Isoform 1 of Microtubule-associated protein RP/EB family member 2	2	0.893	1.117		1.005	0.158
IPI00030770.1	Splice Isoform 1 of Down syndrome critical region protein 2	1	1.020	1.164	0.833	1.006	0.166
IPI00549189.3	Thimet oligopeptidase	2	1.020		0.994	1.007	0.019
IPI00220014.2	Isopentenyl-diphosphate delta isomerase	2	1.176	1.183	0.662	1.007	0.299
IPI00478861.3	55 kDa protein	4	1.087		0.929	1.008	0.111
IPI00100160.3	Splice Isoform 1 of Cullin-associated NEDD8-dissociated protein 1	10	1.220	1.004	0.801	1.008	0.209

IPI number	Protein name	Peptide number	forward 1	reverse 2	reverse 3	Average	S.D.
IPI00012345.2	Splice Isoform SRP55-1 of Splicing factor, arginine/serine-rich 6	2		1.009		1.009	
IPI00024175.3	Splice Isoform 1 of Proteasome subunit alpha type 7	2	1.020	0.983	1.026	1.010	0.024
IPI00218200.7	B-cell receptor-associated protein 31	6	0.769	0.893	1.368	1.010	0.316
IPI00007068.1	Actin-related protein 3-beta isoform 1	2		1.010		1.010	
IPI00419307.2	Alpha isoform of regulatory subunit A, protein phosphata	6	1.010			1.010	
IPI00218782.2	Capping protein (Actin filament) muscle Z-line, beta	2	1.010			1.010	
IPI00395425.3	HSPC260	2	1.010			1.010	
IPI00170877.1	Mitochondrial ribosomal protein L10 isoform b	3	1.010			1.010	
IPI00328293.2	Serine\arginine repetitive matrix 1	2	1.010			1.010	
IPI00031608.1	Spermatogenesis associated 5-like 1	2	1.010			1.010	
IPI00020194.1	Splice Isoform Short of TATA-binding protein-associated factor 2N	3	1.010			1.010	
IPI00413895.2	Golgi autoantigen, golgin subfamily A member 2	2	1.020	1.000		1.010	0.014
IPI00514082.1	Isoleucine-tRNA synthetase	2	1.124		0.897	1.011	0.160
IPI00295857.6	Coatomer subunit alpha	4	1.031	0.944	1.058	1.011	0.059
IPI00298520.3	Hypothetical protein DKFZp686M09245	2	0.909	1.186	0.940	1.012	0.152
IPI00072377.1	Splice Isoform 1 of Protein SET	7	1.031	1.130	0.876	1.012	0.128
IPI00000792.1	Quinone oxidoreductase	11	1.042		0.983	1.012	0.042
IPI00178083.2	29 kDa protein	5	1.042	0.991	1.004	1.012	0.026
IPI00215610.2	55 kDa erythrocyte membrane protein	7	1.064	1.152	0.823	1.013	0.171
IPI00028004.2	Proteasome subunit beta type 3	8	0.990	0.938	1.111	1.013	0.089
IPI00013939.3	Splice Isoform 1 of Replication protein A 32 kDa subunit	3	1.075		0.951	1.013	0.088
IPI00030911.2	Vesicle-associated membrane protein 8	3		1.013		1.013	
IPI00182856.10	Splice Isoform 3 of WD-repeat protein 1	2		1.002	1.026	1.014	0.017
IPI00170692.4	Vesicle-associated membrane protein-associated protein A isoform 2	3	0.855	0.990	1.197	1.014	0.172
IPI00000567.1	HSPC269 (Fragment)	2			1.015	1.015	
IPI00007694.4	Protein phosphatase methylesterase-1	5	1.111		0.919	1.015	0.136
IPI00006558.3	Splice Isoform 1 of SH3 domain GRB2-like protein B1	2			1.015	1.015	
IPI00217561.1	Splice Isoform Beta-1C of Integrin beta-1 precursor	2			1.015	1.015	
IPI00018206.3	Aspartate aminotransferase, mitochondrial precursor	5	1.031	1.020	0.994	1.015	0.019
IPI00216318.4	14-3-3 protein beta/alpha	9	1.099	1.051	0.897	1.016	0.105
IPI00216691.4	Profilin-1	17	1.010	0.960	1.079	1.016	0.060

IPI number	Protein name	Peptide number	forward 1	reverse 2	reverse 3	Average	S.D.
IPI00298961.3	Exportin-1	3	1.064	0.918	1.068	1.017	0.086
IPI00291412.1	Ca(2+)/calmodulin-dependent protein kinase phosphatase	3	1.031	1.241	0.780	1.017	0.231
IPI00099730.3	Splicing coactivator subunit SRm300	3	1.136	0.899		1.018	0.168
IPI00014230.1	Complement component 1, Q subcomponent-binding protein, mitochondrial precursor	8	1.010		1.026	1.018	0.011
IPI00145540.7	PREDICTED: similar to tropomyosin 3 isoform 2	2	1.075		0.962	1.018	0.080
IPI00217966.6	Lactate dehydrogenase A	1	0.980	1.253	0.823	1.019	0.218
IPI00395769.2	Splice Isoform Heart of ATP synthase gamma chain, mitochondrial precursor	2	1.020	0.969	1.068	1.019	0.050
IPI00010779.3	Tropomyosin 4	2	1.099		0.940	1.020	0.112
IPI00026087.1	Barrier-to-autointegration factor	2	0.917		1.122	1.020	0.145
IPI00026530.4	ERGIC-53 protein precursor	2	1.176	1.200	0.684	1.020	0.291
IPI00013234.2	IARS protein	10	1.087	1.033	0.940	1.020	0.074
IPI00215919.4	ADP-ribosylation factor 5	2		1.020		1.020	
IPI00456429.2	Ubiquitin and ribosomal protein L40 precursor	2		1.020		1.020	
IPI00018146.1	14-3-3 protein theta	7	1.111	1.074	0.876	1.020	0.126
IPI00185146.4	Importin-9	4	1.020			1.020	
IPI00658000.1	Insulin-like growth factor 2 mRNA binding protein 3	2	1.020			1.020	
IPI00182180.1	OTU domain-containing protein 6B	2	1.020			1.020	
IPI00098827.1	Placental protein 25	2		1.020		1.020	
IPI00003870.1	Putative ATP-dependent Clp protease proteolytic subunit, mitochondrial	3	1.020			1.020	
IPI00008380.1	Serine/threonine-protein phosphatase 2A catalytic subunit	4	1.020			1.020	
IPI00006025.1	Splice Isoform 1 of Squamous cell carcinoma antigen recognized by T-cells 3	9	1.020			1.020	
IPI00006451.5	Vesicle-fusing ATPase	2	1.020			1.020	
IPI00298547.3	Protein DJ-1	10	0.971	1.023	1.068	1.021	0.049
IPI00026546.1	Platelet-activating factor acetylhydrolase IB beta subunit	2	1.075	1.058	0.929	1.021	0.080
IPI00000861.1	Splice Isoform 1 of LIM and SH3 domain protein 1	4	1.136	1.137	0.791	1.021	0.200
IPI00017367.5	Radixin	8	1.111	0.960	0.994	1.022	0.079
IPI00007682.2	Vacuolar ATP synthase catalytic subunit A, ubiquitous isoform	5	1.124	1.038	0.908	1.023	0.108
IPI00456969.1	Dynein heavy chain, cytosolic	14	1.389	1.008	0.673	1.023	0.358

IPI number	Protein name	Peptide number	forward 1	reverse 2	reverse 3	Average	S.D.
IPI00215901.1	Adenylate kinase 2 isoform a	3	1.010	0.852	1.207	1.023	0.178
IPI00003588.1	Eukaryotic translation elongation factor 1 epsilon-1	3	0.952	1.094		1.023	0.100
IPI00185919.3	Splice Isoform 1 of La-related protein 1	4	0.885	1.163		1.024	0.197
IPI00163187.9	Fascin	14	1.000	1.132	0.940	1.024	0.098
IPI00218493.6	Hypoxanthine-guanine phosphoribosyltransferase	3	0.980	1.120	0.972	1.024	0.083
IPI00418262.3	Fructose-bisphosphate aldolase C	2	1.136	1.040	0.897	1.025	0.120
IPI00022745.1	Diphosphomevalonate decarboxylase	6			1.026	1.026	
REV_25025_Protein	no description	6			1.026	1.026	
IPI00216256.2	Splice Isoform 2 of WD-repeat protein 1	1			1.026	1.026	
IPI00013214.1	DNA replication licensing factor MCM3	7	1.020	1.043	1.015	1.026	0.015
IPI00011126.6	26S protease regulatory subunit 4	4	1.042	1.097	0.940	1.026	0.079
IPI00183920.1	BA395L14.12	5	1.266	1.016	0.801	1.028	0.233
IPI00294879.1	Ran GTPase-activating protein 1	2	0.763	1.530	0.791	1.028	0.435
IPI00299095.1	Sorting nexin-2	2	1.087	0.962	1.036	1.028	0.063
IPI00063234.1	PRKAR2A protein	2		1.020	1.036	1.028	0.011
IPI00303882.2	Splice Isoform B of Mannose-6-phosphate receptor-binding protein 1	2	1.087	1.166	0.833	1.029	0.174
IPI00008603.1	Actin, aortic smooth muscle	2	0.962	0.909	1.218	1.029	0.165
IPI00219953.5	Cytidylate kinase	4	1.136	0.929	1.026	1.030	0.104
IPI00070643.6	Splice Isoform Long of FAS-associated factor 1	1	1.042	1.020		1.031	0.015
IPI00003815.1	Rho GDP-dissociation inhibitor 1	7	0.901	0.888	1.303	1.031	0.236
IPI00641706.1	46 kDa protein	1	1.031			1.031	
IPI00005160.2	Actin-related protein 2/3 complex subunit 1B	2	1.031			1.031	
IPI00011200.4	D-3-phosphoglycerate dehydrogenase	2	1.031			1.031	
IPI00301107.5	Importin-11	2	1.031			1.031	
IPI00295625.2	Succinyl-CoA ligase [GDP-forming] alpha-chain, mitochondrial	7	1.031			1.031	
IPI00220739.2	Membrane-associated progesterone receptor component 1	1	1.266	0.909	0.919	1.031	0.203
IPI00021263.3	14-3-3 protein zeta/delta	18	1.099	1.012	0.983	1.031	0.060
IPI00296913.1	ADP-sugar pyrophosphatase	3	1.149	0.812	1.132	1.031	0.190
IPI00027175.1	Sorcin	3	0.990	1.076		1.033	0.060
IPI00294911.1	Succinate dehydrogenase [ubiquinone] iron-sulfur protein,	2	1.087	1.243	0.769	1.033	0.241

IPI number	Protein name	Peptide number	forward 1	reverse 2	reverse 3	Average	S.D.
	mitochondrial precursor						
IPI00470467.4	NADPH--cytochrome P450 reductase	2	1.266	0.971	0.865	1.034	0.208
IPI00216008.3	Splice Isoform Long of Glucose-6-phosphate 1-dehydrogenase	11	1.064	1.087	0.951	1.034	0.073
IPI00304692.1	Heterogeneous nuclear ribonucleoprotein G	5	1.266	0.803		1.034	0.327
IPI00018671.1	Dual specificity protein phosphatase 3	2		1.035		1.035	
IPI00027382.1	Splice Isoform 2 of Serine/threonine-protein kinase PAK 3	2	0.926		1.143	1.035	0.154
IPI00183274.2	Sorting nexin 1 isoform c	2	1.136	0.975	0.994	1.035	0.088
IPI00007321.1	Splice Isoform 1 of Acyl-protein thioesterase 1	3	1.042	0.952	1.111	1.035	0.080
IPI00002134.3	26S proteasome non-ATPase regulatory subunit 5	9	1.163		0.908	1.035	0.180
IPI00027444.1	Leukocyte elastase inhibitor	13	1.163		0.908	1.035	0.180
IPI00479877.4	4-trimethylaminobutyraldehyde dehydrogenase	5			1.036	1.036	
IPI00006663.1	Aldehyde dehydrogenase, mitochondrial precursor	2			1.036	1.036	
IPI00003921.2	Splice Isoform 1 of Protein 4.1	1	1.111	0.962		1.036	0.106
IPI00016621.6	AP-2 complex subunit alpha-2	1	1.149	1.000	0.962	1.037	0.099
IPI00418823.3	PREDICTED: similar to lactate dehydrogenase A-like 6B	2	1.220		0.855	1.037	0.258
IPI00013297.1	28 kDa heat- and acid-stable phosphoprotein	2	1.190	1.120	0.801	1.037	0.207
IPI00021812.1	Neuroblast differentiation-associated protein AHNAK (Fragment)	18	1.124	1.241	0.748	1.037	0.257
IPI00219029.2	Aspartate aminotransferase, cytoplasmic	7	1.124	1.070	0.919	1.037	0.106
IPI00026089.3	Splicing factor 3B subunit 1	7	1.053	1.024		1.038	0.020
IPI00024919.3	Thioredoxin-dependent peroxide reductase, mitochondrial precursor	9	1.031	1.007	1.079	1.039	0.037
IPI00022977.1	Creatine kinase B-type	13	1.031	1.018	1.068	1.039	0.026
IPI00017341.2	Splicing factor 3A subunit 2	2	0.893		1.186	1.039	0.207
IPI00029267.1	U2 small nuclear ribonucleoprotein B''	5	1.099	0.980		1.040	0.084
IPI00103994.4	Leucyl-tRNA synthetase, cytoplasmic	4	1.124	0.956		1.040	0.119
IPI00005162.2	Actin-related protein 2/3 complex subunit 3	2		1.040		1.040	
IPI00239077.4	Histidine triad nucleotide-binding protein 1	11	1.124	0.921	1.079	1.041	0.106
IPI00027497.4	Glucose-6-phosphate isomerase	22	1.020	1.089	1.015	1.041	0.041
IPI00060200.3	Aldose 1-epimerase	2	1.042			1.042	
IPI00386354.1	CDNA FLJ14048 fis, clone HEMBA1006650, weakly similar to ARP2/3 COMPLEX 20 KD SUBUNIT	3		1.042		1.042	
IPI00005087.1	Tropomodulin-3	3	1.042			1.042	

IPI number	Protein name	Peptide number	forward 1	reverse 2	reverse 3	Average	S.D.
IPI00024067.3	Clathrin heavy chain 1	22	1.064	1.016	1.047	1.042	0.024
IPI00018931.6	Vacuolar protein sorting 35	8	1.042	1.043		1.042	0.001
IPI00479186.4	Pyruvate kinase 3 isoform 1	5	1.111	0.916	1.100	1.043	0.110
IPI00037448.3	Glyoxylate reductase/hydroxypyruvate reductase	7	1.124		0.962	1.043	0.115
IPI00291006.1	Malate dehydrogenase, mitochondrial precursor	4	1.087	1.070	0.972	1.043	0.062
IPI00034049.1	Splice Isoform 1 of Regulator of nonsense transcripts 1	3	1.136	0.952		1.044	0.130
IPI00012837.1	Kinesin heavy chain	6	1.064	1.163	0.908	1.045	0.128
IPI00015955.5	Exosome complex exonuclease RRP46	2	1.205	0.885		1.045	0.226
IPI00296053.3	Fumarate hydratase, mitochondrial precursor	6	1.087	1.023	1.026	1.045	0.036
IPI00021327.3	Splice Isoform 1 of Growth factor receptor-bound protein 2	3		1.045		1.045	
IPI00440493.2	ATP synthase alpha chain, mitochondrial precursor	25	1.075	1.014	1.047	1.045	0.031
IPI00062206.1	DEAD (Asp-Glu-Ala-Asp) box polypeptide 39, isoform 2	2	1.042	0.943	1.154	1.046	0.105
IPI00033494.3	Myosin regulatory light chain	2	1.149	0.943		1.046	0.146
IPI00395865.4	Histone-binding protein RBBP7	2			1.047	1.047	
IPI00328415.10	NADH-cytochrome b5 reductase	2	0.962		1.132	1.047	0.121
IPI00219291.3	Splice Isoform 2 of ATP synthase f chain, mitochondrial	4		1.047		1.047	
IPI00021439.1	Actin, cytoplasmic 1	28	0.971	0.987	1.186	1.048	0.120
IPI00643920.2	Transketolase	11	1.064	0.929	1.154	1.049	0.113
IPI00021347.1	Ubiquitin-conjugating enzyme E2 L3	3	1.053	1.071	1.026	1.050	0.023
IPI00003856.1	Vacuolar ATP synthase subunit E	2	0.962	1.175	1.015	1.050	0.111
IPI00017672.4	Hypothetical protein FLJ25678	5	1.031	1.042	1.079	1.051	0.025
IPI00303476.1	ATP synthase beta chain, mitochondrial precursor	9	1.042	1.085	1.026	1.051	0.031
IPI00022774.2	Transitional endoplasmic reticulum ATPase	28	1.020	1.075	1.058	1.051	0.028
IPI00007423.1	Acidic leucine-rich nuclear phosphoprotein 32 family member B	9	1.149	1.160	0.844	1.051	0.180
IPI00646779.2	TUBB6 protein	2	1.282		0.823	1.052	0.325
IPI00001663.1	Splice Isoform 1 of Serine protease HTRA2, mitochondrial	2	1.053			1.053	
IPI00028006.1	Proteasome subunit beta type 2	2		0.899	1.207	1.053	0.218
IPI00169383.2	Phosphoglycerate kinase 1	25	1.136	1.031	0.994	1.054	0.074
IPI00219446.4	Phosphatidylethanolamine-binding protein	11	1.020	1.009	1.132	1.054	0.068
IPI00025054.1	Splice Isoform Long of Heterogenous nuclear ribonucleoprotein U	2	1.136	1.024	1.004	1.055	0.071
IPI00218693.7	Adenine phosphoribosyltransferase	9	1.124	0.953	1.090	1.055	0.091

IPI number	Protein name	Peptide number	forward 1	reverse 2	reverse 3	Average	S.D.
IPI00103467.3	Aldehyde dehydrogenase X, mitochondrial precursor	2			1.058	1.058	
IPI00025974.3	Charged multivesicular body protein 4b	2			1.058	1.058	
IPI00604756.2	Nuclear receptor-binding protein	2			1.058	1.058	
IPI00009790.1	6-phosphofructokinase type C	3	0.980	0.880	1.314	1.058	0.227
IPI00147874.1	Sialic acid synthase	4	1.087	1.053	1.036	1.059	0.026
IPI00334627.2	Similar to annexin A2 isoform 1	4	1.205	1.129	0.844	1.059	0.190
IPI00016610.2	Poly(rC)-binding protein 1	12	1.075	1.057	1.047	1.060	0.014
IPI00016786.1	Splice Isoform 2 of Cell division control protein 42 homolog precursor	6	0.990		1.132	1.061	0.101
IPI00012998.2	Splice Isoform 1 of Cleavage and polyadenylation specificity factor 6	2	1.124	1.134	0.929	1.062	0.115
IPI00218848.4	ATP synthase e chain, mitochondrial	2	1.176	0.949		1.063	0.161
IPI00027443.4	Cysteinyl-tRNA synthetase isoform c	3	1.176		0.951	1.064	0.160
IPI00026215.1	Flap endonuclease 1	7	1.064			1.064	
IPI00010090.1	Glutamate--cysteine ligase regulatory subunit	4	1.064			1.064	
IPI00006213.1	Pericentriol material 1	2		1.064		1.064	
IPI00413587.2	Splice Isoform 1 of BH3-interacting domain death agonist	6		1.064		1.064	
IPI00024502.2	Ubiquilin-4	2	1.064			1.064	
IPI00000051.4	Prefoldin subunit 1	2		0.870	1.261	1.065	0.277
IPI00010270.1	Ras-related C3 botulinum toxin substrate 2 precursor	4		1.019	1.111	1.065	0.065
IPI00337741.4	Acylamino-acid-releasing enzyme	4	1.010	1.000	1.186	1.065	0.105
IPI00029468.1	Alpha-centractin	2	1.266	1.087	0.844	1.066	0.212
IPI00552186.2	Hypothetical protein DKFZp313O211	3	1.031	1.102		1.066	0.050
IPI00166749.3	Mitochondrial-processing peptidase alpha subunit, mitochondrial precursor	1	1.163		0.972	1.068	0.135
IPI00012011.5	Cofilin-1	21	1.099	1.080	1.026	1.068	0.038
IPI00479359.6	villin 2	2	1.124	0.873	1.207	1.068	0.174
IPI00098902.4	Oxoglutarate (alpha-ketoglutarate) dehydrogenase (lipoamide) isoform 1 precursor	2			1.068	1.068	
IPI00013862.7	Thymidylate kinase	4		1.069		1.069	
IPI00030919.3	Mitogen-activated protein kinase kinase 1-interacting protein 1	3		1.070		1.070	
IPI00258804.1	ATPase inhibitory factor 1 isoform 3 precursor	2		1.070		1.070	

IPI number	Protein name	Peptide number	forward 1	reverse 2	reverse 3	Average	S.D.
IPI0000811.2	Proteasome subunit beta type 6 precursor	6	0.990	1.098	1.122	1.070	0.070
IPI00216951.2	Aspartyl-tRNA synthetase	2	1.282	0.858		1.070	0.300
IPI00220834.7	ATP-dependent DNA helicase 2 subunit 2	2	1.042	1.187	0.983	1.070	0.105
IPI00328319.7	Histone-binding protein RBBP4	5	1.031		1.111	1.071	0.057
IPI00179953.2	Splice Isoform 1 of Nuclear autoantigenic sperm protein	8	1.149	1.099	0.972	1.073	0.091
IPI00004397.1	Ras-related protein Ral-B	2	1.020	1.036	1.165	1.074	0.079
IPI00002324.4	Methionine adenosyltransferase II, beta isoform 1	2	1.220	0.935	1.068	1.074	0.143
IPI00465028.6	Triosephosphate isomerase	5	1.111	0.990	1.122	1.074	0.073
IPI00008418.5	Splice Isoform 1 of Diablo homolog, mitochondrial precursor	2		1.060	1.090	1.075	0.021
IPI00165393.1	Acidic leucine-rich nuclear phosphoprotein 32 family member E	5	1.149	1.136	0.940	1.075	0.117
IPI00020672.4	Splice Isoform 1 of Dipeptidyl-peptidase 3	5	1.111	1.110	1.004	1.075	0.061
IPI00009841.4	CDNA FLJ31747 fis, clone NT2RI2007377, highly similar to RNA-BINDING PROTEIN EWS	2	1.075			1.075	
IPI00168317.1	Hypothetical protein FLJ90806	2		1.075		1.075	
IPI00005050.1	Mitochondrial 28S ribosomal protein S14	2		1.075		1.075	
IPI00032139.1	Serpin B9	4	1.075			1.075	
IPI00221106.5	Splicing factor 3B subunit 2	8	1.042	1.011	1.175	1.076	0.087
IPI00419585.8	Peptidyl-prolyl cis-trans isomerase A	3	1.124	0.974	1.132	1.077	0.089
IPI00216697.2	Ankyrin 1 isoform 1	4	1.042	1.112		1.077	0.050
IPI00025849.1	Acidic leucine-rich nuclear phosphoprotein 32 family member A	11	1.190	0.983	1.058	1.077	0.105
IPI00248321.8	PREDICTED: similar to peptidylprolyl isomerase A isoform 1	2	0.990		1.165	1.077	0.123
IPI00383046.2	Hypothetical protein LOC134147	2		1.057	1.100	1.079	0.031
IPI00301518.5	Mob4B protein	1			1.079	1.079	
IPI00514832.2	Tripartite motif protein 56	1			1.079	1.079	
IPI00020495.1	Mitochondrial 28S ribosomal protein S36	7		1.080		1.080	
IPI00007102.3	CGI-150 protein	2	1.136	0.982	1.122	1.080	0.085
IPI00215884.3	Splicing factor, arginine/serine-rich 1	4	1.299	0.862		1.080	0.309
IPI00025084.3	Calpain small subunit 1	3	1.111	1.053	1.079	1.081	0.029
IPI00003217.3	Proteasome subunit beta type 7 precursor	2	1.149		1.015	1.082	0.095
IPI00032830.1	Splice Isoform 1 of Oligoribonuclease, mitochondrial precursor (Fragment)	2	1.099	1.154	0.994	1.082	0.082

IPI number	Protein name	Peptide number	forward 1	reverse 2	reverse 3	Average	S.D.
IPI00030229.4	UDP-galactose-4-epimerase	2	1.163		1.004	1.084	0.112
IPI00305304.3	LAG1 longevity assurance homolog 2	2	1.031	1.136		1.084	0.075
IPI00397526.1	Myosin-10	4	1.235	0.933		1.084	0.213
IPI00017726.1	Hydroxyacyl-Coenzyme A dehydrogenase, type II isoform 1	10	1.136	1.037	1.079	1.084	0.050
IPI00027442.3	Alanyl-tRNA synthetase	3	1.266	1.047	0.940	1.084	0.166
IPI00013122.1	Hsp90 co-chaperone Cdc37	3	1.087	1.123	1.047	1.086	0.038
IPI00099871.1	39S ribosomal protein L40, mitochondrial precursor	2	1.087			1.087	
IPI00154975.3	DnaJ homolog subfamily C member 9	3	1.087			1.087	
IPI00023086.3	Mitochondrial ribosomal protein L15	3	1.087			1.087	
IPI00007928.4	Pre-mRNA-processing-splicing factor 8	2		1.087		1.087	
IPI00028083.1	Translation initiation factor eIF-2B beta subunit	3	1.087			1.087	
IPI00019385.1	Translocon-associated protein delta subunit precursor	2		1.087		1.087	
IPI00291419.5	Acetyl-CoA acetyltransferase, cytosolic	2	1.136	1.122	1.004	1.088	0.072
IPI00550069.2	Ribonuclease inhibitor	4	1.250	1.163	0.855	1.089	0.208
IPI00290614.7	Endonuclease G, mitochondrial precursor	2	0.952	1.227		1.090	0.194
IPI00038378.4	E-1 enzyme	2	1.316		0.865	1.091	0.318
IPI00451401.2	Splice Isoform 2 of Triosephosphate isomerase	11	1.099	1.067	1.111	1.092	0.023
IPI00018188.3	Splice Isoform 1 of Adaptin ear-binding coat-associated protein 2	2	1.020		1.165	1.092	0.102
IPI00219757.12	Glutathione S-transferase P	14	1.111	1.098	1.068	1.093	0.022
IPI00221328.2	Chloride intracellular channel protein 2	3	1.099	1.142	1.036	1.093	0.053
IPI00006865.2	Vesicle trafficking protein SEC22b	8		1.094		1.094	
IPI00005719.1	RAB1A, member RAS oncogene family	6		0.950	1.239	1.095	0.205
IPI00073603.3	Peptidyl-prolyl cis-trans isomerase	2	1.250		0.940	1.095	0.219
IPI00027341.1	Macrophage capping protein	2	1.149	0.855	1.282	1.095	0.219
IPI00003269.1	Hypothetical protein LOC345651	2	0.980	0.952	1.357	1.097	0.226
IPI00304082.7	ISOC1 protein	3	1.149		1.047	1.098	0.072
IPI00304814.3	Phospholipid hydroperoxide glutathione peroxidase, mitochondrial precursor	2		1.099		1.099	
IPI00470610.3	Pyrroline-5-carboxylate reductase 2	3	1.099			1.099	
IPI00299086.3	Syntenin-1	3	1.099			1.099	
IPI00025815.1	TAR DNA-binding protein 43	4	1.099			1.099	

IPI number	Protein name	Peptide number	forward 1	reverse 2	reverse 3	Average	S.D.
IPI00017451.1	Splicing factor 3 subunit 1	5	1.136	0.965	1.197	1.099	0.120
IPI00168388.1	Splice Isoform 1 of Signal recognition particle 68 kDa protein	3	1.099	1.067	1.132	1.099	0.033
IPI00037283.2	Splice Isoform 5 of Dynamin-1-like protein	2	1.075	1.124		1.099	0.034
IPI00303954.3	Cytochrome b5 outer mitochondrial membrane precursor	4			1.100	1.100	
IPI00027165.3	Splice Isoform R-type of Pyruvate kinase isozymes R/L	10	0.980	1.136	1.186	1.101	0.107
IPI00063827.1	Splice Isoform 1 of Abhydrolase domain-containing protein 14B	2	1.266	1.065	0.972	1.101	0.150
IPI00003438.1	DnaJ (Hsp40) homolog, subfamily C, member 8	2	1.124	1.178	1.004	1.102	0.089
IPI00030116.1	Splice Isoform 1 of Phosphoacetylglucosamine mutase	2	1.449	1.099	0.759	1.102	0.345
IPI00383071.1	RcTPI1 (Fragment)	15	1.136	1.062	1.111	1.103	0.038
IPI00001159.9	GCN1-like protein 1	9	1.163	1.045		1.104	0.083
IPI00024157.1	FK506-binding protein 3	2	1.042	1.167		1.104	0.089
IPI00017855.1	Aconitate hydratase, mitochondrial precursor	3	1.136	1.131	1.047	1.105	0.050
IPI00017510.3	Cytochrome c oxidase subunit 2	4		1.105		1.105	
IPI00026185.5	Splice Isoform 1 of F-actin capping protein beta subunit	7	1.087	1.176	1.058	1.107	0.062
IPI00007189.1	Splice Isoform 1 of Cell division control protein 42 homolog precursor	2		1.302	0.919	1.110	0.271
IPI00219219.2	Galectin-1	5	1.053	1.125	1.154	1.110	0.052
IPI00165467.5	55 kDa protein	4	1.111			1.111	
IPI00017381.1	Activator 1 37 kDa subunit	2	1.111			1.111	
IPI00023503.3	Cell division protein kinase 3	2	1.111			1.111	
IPI00008453.3	Coronin-1C	2	1.111			1.111	
IPI00014938.2	Nuclear protein Hcc-1	7	1.111			1.111	
IPI00010080.2	Serine/threonine-protein kinase OSR1	2	1.111			1.111	
IPI00217952.6	Splice Isoform 1 of Glucosamine--fructose-6-phosphate aminotransferase [isomerizing] 1	2	1.111			1.111	
IPI00021983.1	Splice Isoform 1 of Nicastrin precursor	2			1.111	1.111	
IPI00176678.8	RcADH5 (Fragment)	3	1.053	1.150	1.132	1.112	0.052
IPI00514212.2	Mps one binder kinase activator-like 1A	1	1.235		0.994	1.114	0.170
IPI00019755.3	Glutathione transferase omega-1	9	1.031	1.179	1.132	1.114	0.076
IPI00550488.2	TALDO1 protein	5	1.190	1.084	1.068	1.114	0.066
IPI00031708.1	Fumarylacetoacetase	5	1.010	1.161	1.175	1.116	0.092

IPI number	Protein name	Peptide number	forward 1	reverse 2	reverse 3	Average	S.D.
IPI00184330.5	DNA replication licensing factor MCM2	10	1.266	1.013	1.068	1.116	0.133
IPI00010706.1	Glutathione synthetase	2	1.053	1.235	1.068	1.119	0.101
IPI00009368.3	Sideroflexin-1	2	1.163	1.075		1.119	0.062
IPI00010810.1	Electron transfer flavoprotein alpha-subunit, mitochondrial precursor	8	1.205	1.180	0.972	1.119	0.128
IPI00030154.1	Proteasome activator complex subunit 1	8	1.149		1.090	1.120	0.042
IPI00015911.1	Dihydrolipoyl dehydrogenase, mitochondrial precursor	12	1.149	1.037	1.175	1.120	0.074
IPI00000230.5	Tropomyosin 1 alpha chain isoform 2	2	1.149	0.940	1.271	1.120	0.167
IPI00293721.3	Aflatoxin B1 aldehyde reductase member 3	2			1.122	1.122	
IPI00418169.2	Annexin A2 isoform 1	4	1.190	1.141	1.036	1.123	0.079
IPI00020956.1	Hepatoma-derived growth factor	2	1.316	0.920	1.132	1.123	0.198
IPI00004902.1	Electron-transfer-flavoprotein, beta polypeptide isoform 1	9	1.111	1.137	1.122	1.123	0.013
IPI00385156.1	D-myo-inositol-3-phosphate synthase	2	1.111	1.106	1.154	1.124	0.026
IPI00217920.4	Aldehyde dehydrogenase 16 family, member A1	2		1.124		1.124	
IPI00008986.1	Large neutral amino acids transporter small subunit 1	2	1.124			1.124	
IPI00005158.1	Lon protease homolog, mitochondrial precursor	8	1.124			1.124	
IPI00027252.6	Prohibitin-2	11	1.124			1.124	
IPI00305152.5	SEC3IL1 protein	1	1.124			1.124	
IPI00017469.1	Sepiapterin reductase	2	1.124			1.124	
IPI00220421.2	Splice Isoform 2 of Centaurin-delta 2	2		1.124		1.124	
IPI00001146.1	U6 snRNA-associated Sm-like protein LSM6	2	1.124			1.124	
IPI00030363.1	Acetyl-CoA acetyltransferase, mitochondrial precursor	5	1.266	1.090	1.015	1.124	0.129
IPI00004503.5	LAMP1 protein	3	1.190		1.058	1.124	0.094
IPI00024871.1	Core-binding factor, beta subunit isoform 1	1		1.125		1.125	
IPI00014808.1	Platelet-activating factor acetylhydrolase IB gamma subunit	3	1.099	1.111	1.165	1.125	0.035
IPI00000015.2	Splicing factor, arginine/serine-rich 4	2	1.389	0.862		1.125	0.373
IPI00009342.1	Ras GTPase-activating-like protein IQGAP1	1	1.299	1.142	0.940	1.127	0.180
IPI00015550.6	Prothymosin alpha	2	0.952		1.303	1.128	0.248
IPI00410214.1	Splice Isoform 1 of 3'(2'),5'-bisphosphate nucleotidase	2	1.220		1.036	1.128	0.130
IPI00291005.7	Malate dehydrogenase, cytoplasmic	1	1.149	1.167	1.068	1.128	0.053
IPI00294158.1	Biliverdin reductase A precursor	4	1.124	1.205	1.058	1.129	0.074
IPI00022430.1	Glyceraldehyde-3-phosphate dehydrogenase, testis-specific	2			1.132	1.132	

IPI number	Protein name	Peptide number	forward 1	reverse 2	reverse 3	Average	S.D.
IPI00030144.1	Peptidyl-prolyl cis-trans isomerase	3	1.075	1.041	1.282	1.133	0.130
IPI00220487.3	ATP synthase, H ⁺ transporting, mitochondrial F0 complex, subunit d isoform a	6	1.266	1.001		1.133	0.187
IPI00017592.1	Leucine zipper-EF-hand-containing transmembrane protein 1, mitochondrial precursor	4	1.064		1.207	1.136	0.101
IPI00014439.3	Dihydropteridine reductase	2	1.149		1.122	1.136	0.020
IPI00647400.1	68 kDa protein	2	1.075		1.197	1.136	0.086
IPI00016634.1	Protein C20orf11	2	1.136			1.136	
IPI00014718.4	RcDNAJ9 (Fragment)	4	1.136			1.136	
IPI00033022.2	Splice Isoform 1 of Dynamin-2	3	1.136			1.136	
IPI00006684.3	Splice Isoform 4 of Apoptosis inhibitor 5	3	1.136			1.136	
IPI00012585.1	Beta-hexosaminidase beta chain precursor	2	1.042		1.239	1.140	0.140
IPI00008964.3	Ras-related protein Rab-1B	6		1.139	1.143	1.141	0.003
IPI00744692.1	Transaldolase	11	1.176	1.216	1.036	1.143	0.094
IPI00019450.2	Splice Isoform Long of 60-kDa SS-A/Ro ribonucleoprotein	3	1.282	1.220	0.929	1.144	0.188
IPI00010471.3	Plastin-2	4	1.010	1.173	1.250	1.144	0.122
IPI00013004.1	Splice Isoform 1 of Pyridoxal kinase	2	1.220	1.085	1.132	1.146	0.068
IPI00219669.4	Carbonic anhydrase-related protein	8	1.235		1.058	1.146	0.125
IPI00003406.2	Drebrin	2	1.266	1.031		1.148	0.166
IPI00011285.1	Calpain-1 catalytic subunit	7	1.149			1.149	
IPI00328715.4	Protein LYRIC	2	1.149			1.149	
IPI00024466.1	UDP-glucose ceramide glucosyltransferase-like 1 isoform	2	1.149			1.149	
IPI00016801.1	Glutamate dehydrogenase 1, mitochondrial precursor	6	1.064		1.239	1.152	0.124
IPI00007346.1	Peptidyl-prolyl cis-trans isomerase H	3		1.152		1.152	
IPI00003168.1	Phosphoribosyl pyrophosphate synthetase-associated protein 2	4		1.153		1.153	
IPI00021828.1	Cystatin B	5	1.149	1.169	1.143	1.154	0.013
IPI00329801.11	Annexin A5	7	1.190	1.213	1.068	1.157	0.078
IPI00018871.1	ADP-ribosylation factor-like protein 8B	5		1.198	1.122	1.160	0.054
IPI00456887.2	PREDICTED: similar to heterogeneous nuclear ribonucleoprotein U	5	1.333	1.153	0.994	1.160	0.170
IPI00007058.1	Coronin-1B	3	1.075		1.250	1.163	0.124
IPI00023530.6	Cell division protein kinase 5	1	1.163			1.163	

IPI number	Protein name	Peptide number	forward 1	reverse 2	reverse 3	Average	S.D.
IPI00027485.3	Eukaryotic translation initiation factor 4E	2	1.163			1.163	
IPI00414384.1	Hydroxysteroid dehydrogenase-like protein	2	1.163			1.163	
IPI00002412.1	Palmitoyl-protein thioesterase 1 precursor	3	1.163			1.163	
IPI00014177.3	Septin-2	2	1.163			1.163	
IPI00216348.1	Splice Isoform 2C of Cytoplasmic dynein 1 intermediate chain 2	1	1.163			1.163	
IPI00022597.1	NEDD8-conjugating enzyme Ubc12	6		1.164		1.164	
IPI00419258.3	High mobility group protein B1	4	1.099	1.230		1.164	0.092
IPI00007611.1	ATP synthase O subunit, mitochondrial precursor	8	1.031	1.053	1.410	1.165	0.213
IPI00012382.2	U1 small nuclear ribonucleoprotein A	4	1.220	1.366	0.919	1.168	0.228
IPI00033600.1	Yeast sds22 homolog	2	1.124		1.218	1.171	0.067
IPI00218733.5	Superoxide dismutase	5	1.235	1.231	1.047	1.171	0.107
IPI00168479.2	Apolipoprotein A-I binding protein precursor	2	1.087	1.106	1.325	1.172	0.132
IPI00024989.7	Protein-L-isoaspartate (D-aspartate) O-methyltransferase	7	1.250	1.107	1.165	1.174	0.072
IPI00027350.2	Peroxiredoxin-2	1	1.087	1.196	1.239	1.174	0.078
IPI00011268.2	RNA binding protein (Fragment)	3		1.174		1.174	
IPI00555956.1	Proteasome subunit beta type 4 precursor	5	1.587	0.931	1.004	1.174	0.359
IPI00007019.1	Peptidyl-prolyl cis-trans isomerase-like 1	1		1.175		1.175	
IPI00008982.1	Splice Isoform Long of Delta 1-pyrroline-5-carboxylate synthetase	2	1.124	1.226		1.175	0.072
IPI00018452.1	Copine-1	2	1.250		1.100	1.175	0.106
IPI00023529.1	Cell division protein kinase 6	4			1.175	1.175	
IPI00299608.3	Splice Isoform 1 of 26S proteasome non-ATPase regulatory subunit 1	4	1.587	1.020	0.919	1.175	0.360
IPI00298994.5	Talin-1	37	1.176	1.209	1.143	1.176	0.033
IPI00001960.3	Chloride intracellular channel protein 4	6	1.176			1.176	
IPI00010402.2	Hypothetical protein	2		1.176		1.176	
IPI00294619.1	Protein TFG	2	1.176			1.176	
IPI00179589.2	Myotrophin	4	1.163	1.183	1.186	1.177	0.012
IPI00005668.4	Aldo-keto reductase family 1 member C2	3	1.163	1.226	1.143	1.177	0.044
IPI00300567.1	Splice Isoform 1 of 3,2-trans-enoyl-CoA isomerase, mitochondrial precursor	6	1.235	1.295	1.004	1.178	0.154
IPI00301109.3	Splice Isoform 1 of Inorganic pyrophosphatase 2, mitochondrial	4	1.449		0.908	1.179	0.383

IPI number	Protein name	Peptide number	forward 1	reverse 2	reverse 3	Average	S.D.
	precursor						
IPI00216699.1	Splice Isoform 2 of Unc-112-related protein 2	3	1.250	1.111		1.181	0.098
IPI00645078.1	Ubiquitin-activating enzyme E1	5	1.124	1.178	1.250	1.184	0.063
IPI00002745.1	Cathepsin Z precursor	2	1.429		0.940	1.184	0.345
IPI00292140.4	Caspase-3 precursor	2			1.186	1.186	
IPI00479997.3	Stathmin	14	1.220	1.132	1.207	1.186	0.047
IPI00002048.2	PREDICTED: aldo-keto reductase, truncated	2	1.124		1.250	1.187	0.089
IPI00294578.1	Splice Isoform 1 of Protein-glutamine gamma-glutamyltransferase 2	2	1.149	1.538	0.876	1.188	0.333
IPI00010120.4	C-terminal-binding protein 2	2	1.190			1.190	
IPI00183503.7	Novel protein	3	1.190			1.190	
IPI00025874.2	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase 67 kDa subunit precursor	3	0.990	1.021	1.571	1.194	0.326
IPI00642211.3	Aminopeptidase B	1	1.266	1.152	1.165	1.194	0.062
IPI00641319.1	Ubiquitin-activating enzyme E1	2	1.149		1.239	1.194	0.064
IPI00026119.6	Ubiquitin-activating enzyme E1	6	1.149	1.165	1.271	1.195	0.066
IPI00030357.5	Dihydrofolate reductase	2		1.061	1.335	1.198	0.194
IPI00465436.3	Catalase	8	1.205	1.263	1.132	1.200	0.066
IPI00107531.1	Splice Isoform 3 of DNA repair protein RAD50	4	1.471		0.934	1.202	0.379
IPI00552452.1	Ubiquitin-activating enzyme E1	2	1.235	1.190	1.186	1.204	0.027
IPI00329742.1	Fumarylacetoacetate hydrolase domain containing 2A	2	1.205			1.205	
IPI00297635.5	SA hypertension-associated homolog isoform 1	2	1.205			1.205	
IPI00300026.5	Sulfotransferase 1A1	2	1.205			1.205	
IPI00297477.3	U2 small nuclear ribonucleoprotein A'	4	1.205			1.205	
IPI00218667.2	Stathmin-2	3	1.176	1.211	1.229	1.205	0.027
IPI00007001.1	39S ribosomal protein L11, mitochondrial precursor	2		1.206		1.206	
IPI00604707.3	Dihydrolipoamide S-acetyltransferase (Fragment)	2	1.205		1.207	1.206	0.002
IPI00217143.2	SDHA protein	2	1.149	1.361	1.132	1.214	0.127
IPI00060181.1	EF-hand domain-containing protein 2	3	1.449		0.983	1.216	0.330
IPI00008454.1	DnaJ homolog subfamily B member 11 precursor	2	1.220			1.220	
IPI00013774.1	Histone deacetylase 1	2	1.220			1.220	
IPI00465373.1	Kynurenine aminotransferase III isoform 1	2	1.220			1.220	

IPI number	Protein name	Peptide number	forward 1	reverse 2	reverse 3	Average	S.D.
IPI00017256.5	Ras suppressor protein 1	2	1.220			1.220	
IPI00032134.1	Serpin B8	2	1.220			1.220	
IPI00023785.5	Splice Isoform 1 of Probable ATP-dependent RNA helicase	2	1.220			1.220	
IPI00306825.3	Splice Isoform 1 of Tumor protein D54	2	1.220			1.220	
IPI00296337.2	Splice Isoform 1 of DNA-dependent protein kinase catalytic subunit	16	1.299	1.152		1.225	0.104
IPI00174852.4	TRF-proximal protein homolog	2		1.227		1.227	
IPI00021997.1	CREG1 protein precursor	2	1.333		1.122	1.228	0.150
IPI00157820.2	Splice Isoform 2 of Thioredoxin reductase 2, mitochondrial precursor	2			1.229	1.229	
IPI00374732.3	PREDICTED: similar to peptidylprolyl isomerase A isoform 1	2	1.126	1.430	1.132	1.229	0.174
IPI00181135.4	Splice Isoform B of Branched-chain-amino-acid aminotransferase, mitochondrial precursor	1	1.493		0.972	1.232	0.368
IPI00014198.2	Exosome complex exonuclease RRP42	2	1.235			1.235	
IPI00465006.1	Hypothetical protein DKFZp686D19113	2	1.235			1.235	
IPI00017412.1	Splice Isoform 1 of Activator 1 40 kDa subunit	2	1.235			1.235	
IPI00025156.4	Splice Isoform 1 of STIP1 homology and U box-containing protein 1	3	1.235			1.235	
IPI00005979.2	Splice Isoform 1 of Translation initiation factor eIF-2B	3	1.235			1.235	
IPI00305978.4	Aflatoxin B1 aldehyde reductase member 2	3	1.429		1.047	1.238	0.270
REV_20262_Protein	no description	2			1.239	1.239	
IPI00024913.1	Splice Isoform Long of ES1 protein homolog, mitochondrial precursor	5	1.220		1.261	1.240	0.029
IPI00007926.1	c-Myc-responsive protein Rcl	3	1.190	1.302		1.246	0.079
IPI00219299.2	Talin-2	5	1.220	1.258	1.271	1.250	0.027
IPI00220503.9	Dynactin 2	4	1.250			1.250	
IPI00005040.1	Medium-chain specific acyl-CoA dehydrogenase, mitochondrial precursor	1	1.064	1.163	1.528	1.251	0.244
IPI00029133.4	ATP synthase B chain, mitochondrial precursor	4	1.515	0.997		1.256	0.367
IPI00010860.1	Splice Isoform p27-L of 26S proteasome non-ATPase regulatory subunit 9	2	1.316	1.172	1.282	1.257	0.075
IPI00300086.3	Nicotinate-nucleotide pyrophosphorylase	10	1.235		1.282	1.258	0.034
IPI00010865.1	Casein kinase II subunit beta	1		1.266		1.266	
IPI00017283.2	Isoleucyl-tRNA synthetase, mitochondrial precursor	6	1.266			1.266	

IPI number	Protein name	Peptide number	forward 1	reverse 2	reverse 3	Average	S.D.
IPI00303568.3	Prostaglandin E synthase 2	1	1.266			1.266	
IPI00014587.1	Splice Isoform Brain of Clathrin light chain A	1	1.266			1.266	
IPI00026516.1	Succinyl-CoA:3-ketoacid-coenzyme A transferase 1, mitochondrial precursor	2		1.190	1.346	1.268	0.110
IPI00171798.1	Metastasis-associated protein MTA2	4	1.111	1.427		1.269	0.223
IPI00216319.2	14-3-3 protein eta	3	1.250	1.326	1.239	1.272	0.047
IPI00218918.4	Annexin A1	31	1.235	1.209	1.389	1.278	0.097
IPI00427330.2	Shwachman-Bodian-Diamond syndrome protein	2	1.613	0.943		1.278	0.473
IPI00219575.5	Bleomycin hydrolase	3			1.282	1.282	
IPI00028109.1	Dpy-30-like protein	2	1.282			1.282	
REV_20581_Protein	no description	2			1.282	1.282	
IPI00018246.4	Splice Isoform 1 of Hexokinase-1	3	1.282			1.282	
IPI00169400.1	Splice Isoform 1 of Mitochondrial 28S ribosomal protein S5	2		1.282		1.282	
IPI00010271.3	Splice Isoform A of Ras-related C3 botulinum toxin substrate 1 precursor	2		1.290		1.290	
IPI00448095.3	L-xylulose reductase	2		1.290		1.290	
IPI00220740.1	Splice Isoform 2 of Nucleophosmin	36	1.190	1.041	1.656	1.296	0.321
IPI00031107.1	HSDL2 protein	4	1.299			1.299	
IPI00301994.5	Hypothetical protein DKFZp434N062	3	1.299			1.299	
IPI00009747.1	Lanosterol synthase	2	1.299			1.299	
IPI00465044.2	Protein RCC2	1	1.299			1.299	
IPI00104050.3	Thyroid hormone receptor-associated protein 3	2	1.351	1.250		1.301	0.072
IPI00029997.1	6-phosphogluconolactonase	2	0.901	1.193	1.816	1.303	0.468
IPI00003031.1	Hypothetical protein FLJ23469	2			1.303	1.303	
IPI00025318.1	SH3 domain-binding glutamic acid-rich-like protein	3		1.307		1.307	
IPI00019502.2	Myosin-9	20	1.111	1.043	1.774	1.309	0.403
IPI00414320.1	Annexin A11	2	1.266	1.563	1.111	1.313	0.229
IPI00001352.1	21 kDa protein	3		1.315		1.315	
IPI00219841.6	DNA ligase 1	2	1.316			1.316	
IPI00181231.9	Hypothetical protein LOC55037	2	1.316			1.316	
IPI00186711.3	Plectin 1 isoform 6	2	1.316			1.316	

IPI number	Protein name	Peptide number	forward 1	reverse 2	reverse 3	Average	S.D.
IPI00171412.1	Splice Isoform 1 of Sulfatase-modifying factor 2 precursor	3	1.316			1.316	
IPI00003482.1	2,4-dienoyl-CoA reductase, mitochondrial precursor	7	1.163	1.188	1.603	1.318	0.247
IPI00384992.6	Myosin light polypeptide 4	2	1.282	1.220	1.453	1.318	0.121
IPI00011229.1	Cathepsin D precursor	3	1.429	1.311	1.218	1.319	0.106
IPI00029733.1	Aldo-keto reductase family 1 member C1	2	1.429	1.471	1.079	1.326	0.215
IPI00018342.5	Adenylate kinase isoenzyme 1	3	1.429		1.229	1.329	0.141
IPI00219910.1	Flavin reductase	18	1.316	1.411	1.261	1.329	0.076
IPI00021338.1	Dihydrolipoyllysine-residue acetyltransferase component of pyruvate dehydrogenase complex, mitochondrial precursor	2	1.389	1.224	1.378	1.330	0.092
IPI00020530.1	Thioesterase superfamily member 2	4		1.455	1.206	1.331	0.176
IPI00010219.1	Spindle pole body component 25	3	1.333			1.333	
IPI00013475.1	Tubulin, beta 2	4	1.333			1.333	
IPI00003925.5	Splice Isoform 1 of Pyruvate dehydrogenase E1 component subunit beta, mitochondrial precursor	4	1.471		1.207	1.339	0.186
IPI00011416.2	Enoyl Coenzyme A hydratase 1, peroxisoma	3	1.299	1.523	1.197	1.339	0.167
IPI00011107.2	Isocitrate dehydrogenase [NADP], mitochondrial precursor	5	1.299	1.187	1.538	1.342	0.179
IPI00024915.2	Peroxiredoxin-5, mitochondrial precursor	2	1.190	1.355	1.485	1.344	0.148
IPI00013860.3	3-hydroxyisobutyrate dehydrogenase, mitochondrial precursor	2	1.299	1.471	1.271	1.347	0.108
IPI00002459.4	Annexin VI isoform 2	5			1.357	1.357	
IPI00301489.3	Uroporphyrinogen decarboxylase	6	1.266	1.458	1.357	1.360	0.096
IPI00335168.8	Myosin, light polypeptide 6, alkali, smooth muscle and non-muscle isoform 1	2	1.136		1.592	1.364	0.322
IPI00219097.3	High mobility group protein B2	2	1.429	1.322		1.375	0.075
IPI00022334.1	Ornithine aminotransferase, mitochondrial precursor	4	1.351	1.414	1.389	1.385	0.031
IPI00304435.3	Protein NipSnap1	3	1.389			1.389	
IPI00017305.2	Ribosomal protein S6 kinase alpha-1	3	1.389			1.389	
IPI00028031.2	Splice Isoform 1 of Very-long-chain specific acyl-CoA dehydrogenase, mitochondrial precursor	3	1.235	1.817	1.132	1.395	0.369
IPI00061507.1	Hypothetical protein C11orf54	2			1.400	1.400	
IPI00220271.2	Alcohol dehydrogenase	8	1.149	1.581	1.471	1.400	0.224
IPI00017184.2	EH-domain-containing protein 1	2	1.389		1.421	1.405	0.023
IPI00179700.3	High mobility group AT-hook 1 isoform a	2	1.408			1.408	

IPI number	Protein name	Peptide number	forward 1	reverse 2	reverse 3	Average	S.D.
IPI00218235.4	Dehydrogenase/reductase (SDR family) member 2 isoform 2			1.416		1.416	
IPI00060627.1	Hypothetical protein LOC115098	2	1.429			1.429	
IPI00328257.4	Splice Isoform A of AP-1 complex subunit beta-1	3	1.429			1.429	
IPI00021389.1	Copper chaperone for superoxide dismutase	2	1.449	1.411		1.430	0.027
IPI00031681.1	Cell division protein kinase 2	1	1.449			1.449	
IPI00177817.4	Splice Isoform SERCA2A of Sarcoplasmic/endoplasmic reticulum calcium ATPase 2	2	1.449			1.449	
IPI00179713.5	Insulin-like growth factor 2 mRNA binding protein 2	2	1.471			1.471	
IPI00059762.5	Lysophospholipase-like 1	1	1.471			1.471	
IPI00011494.3	Methyltransferase-like protein 1 isoform c	2	1.471			1.471	
IPI00294380.4	Phosphoenolpyruvate carboxykinase (GTP) family protein	3	1.471			1.471	
IPI00291930.5	Splice Isoform 1 of Epsin-4	1	1.471			1.471	
IPI00216308.4	Voltage-dependent anion-selective channel protein 1	3	1.471			1.471	
IPI00155601.1	Protein LRP16	4	1.818		1.168	1.493	0.460
IPI00216125.6	SRP9 protein	2		1.495		1.495	
IPI00020127.1	Replication protein A 70 kDa DNA-binding subunit	2			1.496	1.496	
IPI00156689.3	Synaptic vesicle membrane protein VAT-1 homolog	6	1.538	1.573	1.390	1.500	0.097
IPI00295741.4	Cathepsin B precursor	6	1.587	1.672	1.250	1.503	0.223
IPI00217357.2	Cell division cycle and apoptosis regulator protein 1	2	1.429		1.586	1.507	0.111
IPI00027776.6	Ferrochelatase, mitochondrial precursor	5	1.754	1.532	1.324	1.537	0.215
IPI00024145.1	Splice Isoform 1 of Voltage-dependent anion-selective channel 2	4	1.587		1.545	1.566	0.030
IPI00220835.6	Protein transport protein Sec61 beta subunit	1		1.587	1.552	1.570	0.025
IPI00218568.6	Pterin-4-alpha-carbinolamine dehydratase	1	1.470	1.587	1.685	1.581	0.108
IPI00021924.1	Histone H1x	4	1.786	1.385	1.592	1.588	0.200
IPI00642144.2	Aldehyde dehydrogenase 1 family, member A1	2	1.587	1.832	1.357	1.592	0.238
IPI00744503.1	17 kDa protein	1	1.721		1.474	1.598	0.174
IPI00093057.6	Coproporphyrinogen III oxidase, mitochondrial precursor	5	1.639	1.907	1.282	1.609	0.314
IPI00028160.1	Splice Isoform 1 of Porphobilinogen deaminase	8	1.887	1.850	1.752	1.830	0.070
IPI00337541.3	NAD(P) transhydrogenase, mitochondrial precursor	1	1.887		1.923	1.905	0.026
IPI00219038.8	Histone H3.3	1	2.083	2.343	1.907	2.111	0.219

IPI number	Protein name	Peptide number	forward 1	reverse 2	reverse 3	Average	S.D.
IPI00220706.9	Hemoglobin gamma-1 subunit	4	2.000	3.125	1.506	2.210	0.830
IPI00217465.4	Histone H1.2	10	2.632	1.728	2.404	2.255	0.470
IPI00030809.1	Gamma-G globin	6	2.128	2.971	1.934	2.344	0.552
IPI00003935.5	Histone H2B	7	3.030	2.370	1.641	2.347	0.695
IPI00410714.4	Hemoglobin alpha subunit	6	2.222	3.171	1.677	2.357	0.756
IPI00449049.4	Poly [ADP-ribose] polymerase 1	7	2.632	2.703	1.941	2.425	0.421
IPI00171611.5	Histone H3.1	4	3.030	2.575	2.218	2.608	0.407
IPI00217471.2	Hemoglobin epsilon subunit	5	2.174	3.613	2.447	2.745	0.765
IPI00026272.1	Histone H2A	4	3.333	1.975	2.938	2.749	0.699
IPI00554676.1	Hemoglobin gamma-2 subunit	1	2.778	3.448	2.286	2.837	0.583
IPI00217473.4	Hemoglobin zeta subunit	12	2.778	4.311	1.987	3.025	1.182
IPI00453473.5	Histone H4	8	4.000	2.690	2.496	3.062	0.818

Table S2. Detailed quantification results for proteins with substantial changes.

IPI number	Protein name	Peptide number	Forward 1	Reverse 2	Reverse 3	Average
IPI00032561.1	Calcium-binding protein 39 R.DLKRPAQQE.A K.VFVANPNKTQPILDILLK.N	2	0.353		0.438	0.396
IPI00002214.1	Importin alpha-2 subunit R.QDQIQVNVNHGLVPFLVSVLSKADFK.T K.TGVVPQLVKLLGASELPIVTPALR.A K.LLGASELPIVTPALR.A K.TGVVPQLVK.L R.NKNPAPPIDAVEQILPTLVR.L R.EKQPPIDNIIR.A	6	0.505	0.535	0.524	0.521
IPI00221108.4	Thymidylate synthase -.PVAGSELPR.R -.PVAGSELPRRPLPPAAQER.D	2	0.485	0.513	0.569	0.522
IPI00011631.5	Centromere/kinetochore protein zw10 homolog K.AMGTLLNTAISEVIGK.I	1		0.493	0.609	0.493
IPI00010349.1	Alkyldihydroxyacetonephosphate synthase, peroxisomal precursor K.NIYGNIEDLVVHIK.M K.GFDPNQLSVATLLFEGDREK.V	2	0.504	0.642	0.524	0.557
IPI00013068.1	Eukaryotic translation initiation factor 3 subunit 6 K.NLYSDDIPHALR.E R.TTVVAQLKQLQAETEPIVK.M	2	0.685		0.450	0.567
IPI00005045.1	ATP-binding cassette sub-family F member 2 R.VALVGPNGAGK.S R.ILHGLGFTPAMQR.K	5	0.568	0.534	0.605	0.569

IPI number	Protein name	Peptide number	Forward	Reverse 1	Reverse 2	Reverse 3	Average
	K.SMLLSAIGKR.E K.LLTGELLPTDGMIR.K R.EVPIPEHIDIYHLTR.E						
IPI00026182.4	F-actin capping protein alpha-2 subunit K.FIIHAPPGEFNEVFNDVR.L K.FTITPSTTQVVGILK.I	2	0.508			0.652	0.580
IPI00218505.6	Protein FAM112B K.LATCPFNAR.H K.SLPYVLPWKNNNGNA.Q	2	0.611	0.595		0.550	0.585
IPI00337602.4	56 kDa protein R.ESVLTATSILNNPIVK.A	1			0.651	0.524	0.588
IPI00218292.2	Splice Isoform Short of Ubiquitin fusion degradation protein R.LNITYPMLFK.L R.AFSGSGNRLDGK.K R.FVAFSGEGQSLR.K K.IIMPPSALDQLSR.L	4	0.758			0.438	0.598
IPI00306043.1	Splice Isoform 1 of YTH domain protein 2 K.LGSTEVASNVPK.V	1	0.588	0.611		0.602	0.600
IPI00009010.3	UPF0315 protein AD-001 R.ICPVEFNPNFVAR.M R.GIPNMLLSEEETE.S	2	0.660	0.549		0.609	0.606
IPI00743544.1	15 kDa protein K.LYTLVTYVTVTTFK.N	1			0.624	0.591	0.607
IPI00220113.1	Splice Isoform 2 of Microtubule-associated protein 4	11	0.568	0.629		0.630	0.609

IPI number	Protein name	Peptide number	Forward 1	Reverse 2	Reverse 3	Average
	K.NVVLPTEVEVAPAKDVTLLKETER.A K.TTTLSGTAPAAGVVPSRVK.A R.LATNTSAPDLKNVR.S K.KPMSLASGLVPAAPPK.R K.VGSLDNVGHLPAGGAVK.T R.ASPSKPASAPASR.S K.TTTAAAVASTGPSSR.S R.SPSTLLPK.K K.KPTSAKPSSTTPR.L R.LATNTSAPDLK.N K.TEAAATTRKPESNAVTK.T					
IPI00183294.3	Nuclear pore complex protein Nup214 R.TPSIQSLLPHAAPFAK.S K.TPHPVLTPVAANQAK.Q K.QGSLINSLKPSGPTPASGQLSSGDKASGTAK.I K.ASSTSLTSTQPTK.T K.TSGVPSGFNFTAPPVLGK.H R.IFDSPEELPKER.S K.AAPGPGPSTFSFVPPSK.A	7	0.439	0.743	0.650	0.610
IPI00221035.3	Splice Isoform 1 of Transcription factor BTF3 K.VQASLAANTFTITGHAETK.Q K.QLTEMLPSILNQLGADSLTSLR.R K.QLTEMLPSILNQLGADSLTSLRR.L	3	0.559	0.702	0.577	0.612
IPI00291669.3	Ubiquitin-like domain containing CTD phosphatase 1 K.TLTGVLPER.Q R.GLIDVKPLGVIWGK.F	2	0.699	0.568	0.588	0.618
IPI00305166.1	Succinate dehydrogenase [ubiquinone] flavoprotein subunit, mitochondrial precursor R.GVIALCIEDGSIHR.I	1		0.590	0.652	0.621

IPI number	Protein name	Peptide number	Forward 1	Reverse 2	Reverse 3	Average
IPI00329625.2	Cell cycle progression 2 protein isoform 1 K.LLGSLYALGIPK.A K.ELQSVEQEV.R.W	2	0.794		0.449	0.621
IPI00021266.1	60S ribosomal protein L23a R.LAPDYDALDVANK.I R.LAPDYDALDVANKIGI.I K.KEAPAPPKAEAK.A K.EAPAPPKAEAK.A R.TSPTFR.R K.KLYDIDVAK.V K.LYDIDVAKVNTLIRPDGEK.K K.VNTLIRPDGEK.K K.VNTLIRPDGEKK.A	9	0.613	0.764	0.510	0.629
IPI00009057.1	Splice Isoform A of Ras-GTPase-activating protein-binding protein 2 R.VEAKPEVQSQPPR.V K.GVGGKLPNFGFVVFDDSEPVQR.I R.VEAKPEVQSQPPRVR.E K.VLSLNFSECHTK.I R.VEAKPEVQSQPPRVR.E R.ILIAKPIMFR.G	6	0.629	0.675	0.589	0.631
IPI00176692.7	PREDICTED: similar to Heterogeneous nuclear ribonucleoprotein A1 R.EDSQRPGAHLTVK.K R.GFAFVTFDDHDSVDKIVIQK.Y R.AVSREDSQRPGAHLTVK.K R.GFAFVTFDDHDSVDK.I	4	0.775	0.773	0.353	0.634
IPI00029266.1	Small nuclear ribonucleoprotein E K.VMVQPINLIFR.Y	2	0.368	0.763	0.780	0.637

IPI number	Protein name	Peptide number	Forward 1	Reverse 2	Reverse 3	Average
	R.IMLKGDNITLLQSVS.N					
IPI00017895.2	Splice Isoform 1 of Glycerol-3-phosphate dehydrogenase, mitochondrial precursor R.VIFFLPWK.M R.LAFLNVQAAEEALPR.I R.YGAATANYMEVVSLK.K	3	0.573	0.708	0.630	0.637
IPI00012535.1	DnaJ homolog subfamily A member 1 K.NVVHQLSVTLEDLYNGATR.K K.QISQAYEVLSDAK.K R.TIVITSHPGQIVK.H	3	0.813	0.608	0.502	0.641
IPI00299573.11	60S ribosomal protein L7a K.KVAPAPAVVK.K K.VAPAPAVVK.K R.LKVPPAINQFTQALDR.Q R.QTATQLLK.L R.AGVNTVTTLVENK.K R.AGVNTVTTLVENKK.A K.VPPAINQFTQALDR.Q K.TCTTVAFTQVNSEDKGALAK.L R.HWGGNVLGPK.S K.VAPAPAVVKKQEAK.K R.LKVPPAINQFTQALDRQTATQLLK.L K.ELATKL.G R.RHWGGNVLGPK.S R.KTCTTVAFTQVNSEDKGALAK.L	14	0.758	0.711	0.470	0.646
IPI00026260.1	Nucleoside diphosphate kinase B K.YMNSGPVAMVWEGLNVVK.T K.SCAHDWVY.E K.SAEKEISLWFKPEELVDYK.S	5		0.489	0.806	0.648

IPI number	Protein name	Peptide number	Forward 1	Reverse 2	Reverse 3	Average
	R.NIIHGSDSVK.S K.DRPFFPGLVK.Y					
IPI00013415.1	40S ribosomal protein S7 R.KAIIIFVVPQLK.S K.AIIIFVVPQLK.S R.TLTAVHDAILEDLVFPSEIVGK.R R.TLTAVHDAILEDLVFPSEIVGKR.I K.DVNFEPPEFQ.L R.SRTLTA VHDAILEDLVFPSEIVGKR.I K.KLTGKDVNFEPPEFQ.L K.LTGKDVNFEPPEFQ.L	8	0.714	0.435	0.801	0.650
IPI00027493.1	4F2 cell-surface antigen heavy chain R.IGDLQAFQGHGAGNLAGLK.G R.LLTSFLPAQLLR.L K.GQSEDPGSLLSLFR.R K.ADLLLSTQPGREEGSPLER.L R.LKLEPHEGLLLRFPYA.A	5	0.704	0.700	0.556	0.653
IPI00016910.1	Eukaryotic translation initiation factor 3 subunit 8 K.SIVDKEGVPR.F R.AKELLGQGLLLR.S K.VWDLFPEADKVR.T K.ELLGQGLLLR.S R.TEPTAQNLALQLAEKLGSLVENNER.V K.RLDEEEEDNEGGEWERVR.G K.LGSLVENNER.V K.GTEITHAVVIKKLNEILQAR.G K.LNEILQAR.G K.DAHNALLDIQSSGR.A R.TEPTAQNLALQLAEKLGSLVENNERVFDHK .Q	11	0.680	0.708	0.577	0.655

IPI number	Protein name	Peptide number	Forward 1	Reverse 2	Reverse 3	Average
IPI00186290.5	Elongation factor 2	31	0.649	0.688	0.630	0.656
	R.YVEPIEDVPCGNIVGLVGVDQFLVK.T					
	R.IMGPNYTPGKK.E					
	K.KEDLYLKPIQR.T					
	K.EDLYLKPIQR.T					
	K.TGTITTFEHAHNMR.V					
	R.TILMMGR.Y					
	R.RWLPAGDALLQMITIHLPSVTAQK.Y					
	R.VMKFSVSPVVR.V					
	R.WLPAGDALLQMITIHLPSVTAQK.Y					
	K.FSVSPVVR.V					
	R.CELLYEGPPDDEAAMGIK.S					
	R.VAVEAKNPADLPK.L					
	K.SCDPKGPLMMYISK.M					
	K.GPLMMYISK.M					
	R.VFSGLVSTGLK.V					
	R.YFDPANGKFSK.S					
	R.TFCQLILDPIFK.V					
	K.QFAEMYVAK.F					
	R.IKPVLMMNKMDR.A					
	K.FAAKGEGQLGPAER.A					
	R.ALLELQLEPEELYQTFQR.I					
	R.IKPVLMMNK.M					
	K.GEGQLGPAER.A					
	K.STAISLFYELSENDLNFIKQSK.D					
	K.STAISLFYELSENDLNFIK.Q					
	K.AGIIASAR.A					
	K.STLTDSLVCAGIIASAR.A					
	K.STLTDSLVC.A					
	R.NMSVIAHVDHGKSTLTDSLVC.A					
	R.NMSVIAHVDHGKSTLTDSLVCAGIIASAR.A					
	-.VNFTVDQIR.A					

IPI number	Protein name	Peptide number	Forward 1	Reverse 2	Reverse 3	Average
IPI00012479.1	FKSG17 K.NILFVITKPDVYK.S	1	0.617		0.705	0.661
IPI00219155.4	60S ribosomal protein L27 K.VVLVLAGR.Y R.YSVDIPLDK.T	2	0.565	0.738	0.682	0.662
IPI00013495.1	Splice Isoform 2 of ATP-binding cassette sub-family F K.TLLIVSHDQGFLDDVCTDIIHLDAQR.L R.FTFDPPPLSPPVLGLHGVTFGYQGQKPLFK. N	2	0.662	0.625	0.701	0.663
IPI00030179.3	60S ribosomal protein L7 K.EVPAVPETLK.K K.EVPAVPETLKK.K R.KAGNFYVPAEPK.L K.AGNFYVPAEPK.L K.ASINMLR.I K.SVNELIYKR.G	6	0.709	0.789	0.491	0.663
IPI00017617.1	Probable ATP-dependent RNA helicase DDX5 K.QVSDLISVLR.E R.RTAQEVETYRR.S K.LLQLVEDR.G R.GDGPICLVLAPTR.E R.ELAQQVQQVAAEYCR.A K.STCIYGGAPK.G R.GVEICATPGR.L R.LIDFLECGKTNLRR.T R.DWVLNEFKHKGKAPILIATDVASR.G R.EANQAINPK.L K.QVSDLISVLREANQAINPK.L	13	0.585	0.639	0.769	0.664

IPI number	Protein name	Peptide number	Forward 1	Reverse 2	Reverse 3	Average
	K.APILIATDVASR.G K.TGTAYTFFTPNNIKQVSDLISVLR.E					
IPI00023748.3	Nascent polypeptide-associated complex alpha subunit K.NILFVITKPDVYKSPASDTYIVFGGEAK.I K.SPASDTYIVFGGEAK.I K.IEDLSQQAQLAAAEKFK.V R.ALKNNSNDIVNAIMELT.M K.SPASDTYIVFGGEAKIEDLSQQAQLAAAEKFK.V K.IEDLSQQAQLAAAEK.F K.DIELVMSQANVSR.A	7	0.641	0.715	0.641	0.666
IPI00220373.3	Insulin-degrading enzyme R.ESLDDLTLNLVVK.L	2		0.705	0.630	0.668
IPI00219678.2	Eukaryotic translation initiation factor 2 subunit 1 R.ADIEVACYGYEGIDAVKEALR.A K.VVTDTDETELAR.Q	2	0.642	0.581	0.780	0.668
IPI00397828.2	20 kDa protein R.LGGPEAGLGEYLFER.L	1	0.651	0.658	0.694	0.668
IPI00444704.2	Splice Isoform 2 of G-rich sequence factor 1 R.GLPFQANAQDIINFFAPLKPVR.I	1		0.674	0.662	0.668
IPI00037619.2	Ribosomal protein L39 variant K.QNRPIPQWIR.M	1	0.694	0.699	0.611	0.668
IPI00219229.2	U6 snRNA-associated Sm-like protein LSm3 R.GDGVVLVAPPLR.V R.GDGVVLVAPPLRV.G	2	0.725	0.552	0.728	0.668

IPI number	Protein name	Peptide number	Forward 1	Reverse 2	Reverse 3	Average
IPI00008475.1	Hydroxymethylglutaryl-CoA synthase, cytoplasmic R.IGVFSYGSGLAATLYSLK.V R.IGVFSYGSGLAATLYSLKVTQDATPGSALDKI TASLCDLK.S K.VTQDATPGSALDKITASLCDLK.S R.TGVAPDVFAENMK.L R.RTPNDDTLDEGVGLVHSNIATEHIPSPAK.K R.NNLSYDCIGRLEVGTETIIDKSK.S R.LEVGTETIIDKSK.S R.PTGGVGAVALLIGNAPLIFER.G K.ITASLCDLK.S K.LSIQCYLSALDR.C R.MLLNDFLNDQNR.D K.ASELFSQK.T	12	0.671	0.875	0.459	0.669
IPI00010157.1	S-adenosylmethionine synthetase isoform type-2 K.AVVPAKYLDEDTIYHLQPSGR.F R.FVIGGPQGDAGLTGR.K K.NFDLRPGVIVR.D R.DLDLKKPIYQR.T	4	0.676	0.674	0.658	0.669
IPI00000728.3	Splice Isoform 1 of Ubiquitin carboxyl-terminal hydrolase 15 R.FSKADTIDTIEKEIR.K R.KIFSIPDEKETR.L R.TLEVYLVR.M R.NNTEDKLYNLLLLR.M K.AAYVLFYQR.Q	5	0.787	0.622	0.598	0.669
IPI00156689.3	Synaptic vesicle membrane protein VAT-1 homolog K.VVTYGMANLLTGPK.R R.LLALYNQGHKPHIDSVWPF EK.V K.VLLVPGPEKE.N R.PAAPPAPGPGQLTLR.L	6	1.538	1.573	1.390	1.500

IPI number	Protein name	Peptide number	Forward 1	Reverse 2	Reverse 3	Average
	R.ACGLNFADLMAR.Q K.LQSRPAAPPAPGPGQLTLR.L					
IPI00295741.4	Cathepsin B precursor K.LPASFDAREQWPQCPTIK.E K.LPASFDAR.E R.EQWPQCPTIK.E R.EQWPQCPTIKEIR.D K.ILRGQDHCGIESEVVAGIPR.T R.GQDHCGIESEVVAGIPR.T	6	1.587	1.672	1.250	1.503
IPI00217357.2	Cell division cycle and apoptosis regulator protein 1 R.IQTLPNQNSQTQPLLK.T K.AGLLQPPVR.I	2	1.429		1.586	1.507
IPI00027776.6	Ferrochelatase, mitochondrial precursor R.IGGGSPIKIWTSK.Q K.LLDELSPNTAPHKYYIGFR.Y R.YVHPLTEEAIEEMERDGLER.A R.GDPYPQEVSATVQK.V K.ALADLVHSHIQSNELCSK.Q	5	1.754	1.532	1.324	1.537
IPI00024145.1	Splice Isoform 1 of Voltage-dependent anion-selective channel 2 R.NNFAVGYR.T K.YQLDPTASISAK.V K.VNNSSLIGVGYTQTLRPGVK.L K.LTLSALVDGK.S	4	1.587		1.545	1.566
IPI00220835.6	Protein transport protein Sec61 beta subunit -.PGPTPSGTNVGSSGR.S	1		1.587	1.552	1.570
IPI00218568.6	Pterin-4-alpha-carbinolamine dehydratase	1	1.470	1.587	1.685	1.581

IPI number	Protein name	Peptide number	Forward 1	Reverse 2	Reverse 3	Average
	R.LSAEERDQLLPNLR.A					
IPI00021924.1	Histone H1x K.YSQLVVETIRR.L K.ALVQNDTLLQVK.G R.GAPAAATAPAPTAHK.A R.RGAPAAATAPAPTAHK.A	4	1.786	1.385	1.592	1.588
IPI00642144.2	Aldehyde dehydrogenase 1 family, member A1 R.QAFQIGSPWR.T R.YCAGWADKIQGR.T	2	1.587	1.832	1.357	1.592
IPI00744503.1	17 kDa protein K.VLTSLGDATK.H	1	1.721		1.474	1.598
IPI00093057.6	Coproporphyrinogen III oxidase, mitochondrial precursor R.ATSLGRPEEEDELAHR.C R.AVVPSYIPLVK.K R.GIGGIFDLDLSPSKEEVFR.F R.IESILMSLPLTAR.W K.EAEILEVLR.H	5	1.639	1.907	1.282	1.609
IPI00028160.1	Splice Isoform 1 of Porphobilinogen deaminase R.IQTDSVVATLK.A R.ENPHDAVVFHPK.F K.TLETLPEKSVVGTSSLR.R R.GPQLAAQNGLISLANLLLSK.G R.KFPHLEFR.S R.KLDEQQEFSAILATAGLQR.M R.AKDQDILDVGVLDHPETLLR.C R.NIPRGPQLAAQNGLISLANLLLSK.G	8	1.887	1.850	1.752	1.830

IPI number	Protein name	Peptide number	Forward 1	Reverse 2	Reverse 3	Average
IPI00337541.3	NAD(P) transhydrogenase, mitochondrial precursor R.VALSPAGVQNLVK.Q	1	1.887		1.923	1.905
IPI00219038.8	Histone H3.3 R.FQSAAGALQEASEAYLVGLFEDTNLCAIHA K.R	1	2.083	2.343	1.907	2.111
IPI00220706.9	Hemoglobin gamma-1 subunit -.GHFTEEDKATITSLWGK.V -.GHFTEEDKATITSLWGKVNVEDAGGETLGR.L K.MVTAVASALSSR.Y K.MVTAVASALSSRY.H	4	2.000	3.125	1.506	2.210
IPI00217465.4	Histone H1.2 K.SLVSKGTLVQTK.G R.KASGPPVSELITK.A K.ASGPPVSELITK.A K.ASGPPVSELITKAVAASKER.S R.SGVSLAALK.K R.SGVSLAALKK.A R.SGVSLAALKKALAAAGYDVEK.N K.KALAAAGYDVEKNNSR.I K.ALAAAGYDVEK.N K.ALAAAGYDVEKNNSR.I	10	2.632	1.728	2.404	2.255
IPI00030809.1	Gamma-G globin (Fragment) K.VNVEDAGGETLGR.L R.LLVVYPWTQR.F R.LLVVYPWTQRFFDSFGNLSSASAIMGNPK.V R.FFDSFGNLSSASAIMGNPK.V K.VLTSLGDAIK.H K.EFTPEVQASWQK.M	6	2.128	2.971	1.934	2.344

IPI number	Protein name	Peptide number	Forward 1	Reverse 2	Reverse 3	Average
IPI00003935.5	Histone H2B K.AMGIMNSFVNDIFER.I R.STITSREIQTAVR.L R.EIQTAVRLLLLPGELAK.H R.EIQTAVRLLLLPGELAKHAVSEGTK.A R.LLLPGELAKHAVSEGTK.A K.QVHPDTGISSK.A R.EIQTAVR.L	7	3.030	2.370	1.641	2.347
IPI00410714.4	Hemoglobin alpha subunit -.VLSPADKTNVK.A K.AAWGKVGAAHAGEYGAEALER.M K.VGAHAGEYGAEALER.M R.MFLSFPTTK.T K.TYFPHFDLSHGSAQVK.G K.VADALTNAVAHVDDMPNALSALSSDLHAHK. L	6	2.222	3.171	1.677	2.357
IPI00449049.4	Poly [ADP-ribose] polymerase 1 R.TTNFAGILSQGLR.I K.TLGDFAAEYAK.S K.GFSLLATEDKEALKK.Q K.SLQELFLAHILSPWGAEVKAEPVEVVAPR.G K.KFYPLEIDYGQDEEAVK.K K.LTVNPGTK.S K.MIFDVESMKK.A	7	2.632	2.703	1.941	2.425
IPI00171611.5	histone H3.1 R.YRPGTVALR.E K.STELLIR.K R.LVREIAQDFKTDLR.F R.EIAQDFKTDLR.F	4	3.030	2.575	2.218	2.608

IPI number	Protein name	Peptide number	Forward 1	Reverse 2	Reverse 3	Average
IPI00217471.2	Hemoglobin epsilon subunit K.AAVTSLWSK.M K.AAVTSLWSKMNVEEAGGEALGR.L K.MNVEEAGGEALGR.L R.LLVVYPWTQRFFDSFGNLSSPSAILGNPK.V R.FFDSFGNLSSPSAILGNPK.V	5	2.174	3.613	2.447	2.745
IPI00026272.1	Histone H2A R.VTIAQGGVLPNIQAVLLPK.K R.HLQLAIRNDEELNK.L R.NDEELNKLLGKVTIAQGGVLPNIQAVLLPK.K R.AGLQFPVGR.V	4	3.333	1.975	2.938	2.749
IPI00554676.1	Hemoglobin gamma-2 subunit K.MVTGVASALSSR. Y	1	2.778	3.448	2.286	2.837
IPI00217473.4	Hemoglobin zeta subunit R.TIIVSMWAK.I K.ISTQADTIGTETLER.L K.ISTQADTIGTETLERLFLSHPQTK.T R.LFLSHPQTK.T K.TYFPHFDLHPGSAQLR.A R.AHGSKVVAAVGDAVK.S K.VVAAVGDAVK.S K.SIDDIGGALSK.L K.SIDDIGGALSKLSELHAYILR.V K.SIDDIGGALSKLSELHAYILRVDPVNFK.L K.LSELHAYILR.V R.VDPVNFK.L	12	2.778	4.311	1.987	3.025
IPI00453473.5	Histone H4 R.DNIQGITKPAIR.R R.DNIQGITKPAIRR.L	8	4.000	2.690	2.496	3.062

IPI number	Protein name	Peptide number	Forward 1	Reverse 2	Reverse 3	Average
	R.GVLKVFLENVIRDAVITYTEHAK.R					
	R.ISGLIYEETR.G					
	R.KTVTAMDVVYALKR.Q					
	K.VFLENVIR.D					
	K.VFLENVIRDAVITYTEHAK.R					
	K.TVTAMDVVYALKR.Q					