

Supplemental Dataset Table 1. Peptides Identified Containing Modifications Corresponding to AnI Incorporation

Legend:
N-terminal Peptide (amino acid start index = 1)
N-terminal Peptide (amino acid start index = 2)
Internal Peptide
C-terminal Peptide

	Protein name	Protein accession numbers	Protein molecular weight (Da)	Peptide start index	Peptide stop index	Peptide sequence	Previous amino acid	Next amino acid	Calculated +1H peptide mass (AMU)	AnI position	Probe
1	GRB2 Isoform 1 of Growth factor receptor-bound protein 2	IPI00021327	25,188.80	1	6	MEAIK	-	Y	1,148.56	1	DIBAC-S-S-biotin
2	SYNGR2 Synaptogyrin-2	IPI00013946,IPI00654744,IPI00789763	24,792.20	1	10	MESGAYGAAK	-	A	1,470.65	1	DIBAC-S-S-biotin
3	HIST1H1C Histone H1.2	IPI00217465	21,347.80	1	21	MSETAPAAPAAAPPAEKAPVK	-	K	2,449.23	1	DIBAC-S-S-biotin
4	YWHAB Isoform Short of 14-3-3 protein beta/alpha	IPI00759832	27,832.80	1	9	MDKSELVQK	-	A	1,563.76	1	DIBAC-S-S-biotin
5	YWHAE 14-3-3 protein epsilon	IPI00000816	29,157.00	1	12	MDDREDLVYQAK	-	L	1,968.89	1	DIBAC-S-S-biotin
6	YWHAZ 14-3-3 protein zeta/delta	IPI00021263	27,727.90	1	9	MDKNELVQK	-	A	1,590.77	1	DIBAC-S-S-biotin
7	SLC25A5 ADP/ATP translocase 2	IPI00007188	32,878.50	1	10	MTDAAVSFAK	-	D	1,484.70	1	DIBAC-S-S-biotin
8	EIF3I Eukaryotic translation initiation factor 3 subunit I	IPI00012795	36,484.00	1	11	MKPILLQGHER	-	S	1,765.93	1	DIBAC-S-S-biotin
9	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	1	19	MREIVHLQAGQCGNQIGAK	-	F	2,554.26	1	DIBAC-S-S-biotin
10	STIP1 Stress-induced-phosphoprotein 1	IPI00013894,IPI00871856	62,624.10	1	10	MEQVNELKEK	-	G	1,733.83	1	DIBAC-S-S-biotin
11	EEF2 Elongation factor 2	IPI00186290	95,322.10	1	10	MVNFTVDQIR	-	A	1,666.82	1	DIBAC-S-S-biotin
12	PTBP1 polypyrimidine tract-binding protein 1 isoform a	IPI00183626,IPI00334175	59,616.40	1	14	MDGIVPDIAVGTKR	-	G	2,190.05	1	DIBAC-biotin

Supplemental Dataset Table 2. Unmodified Peptides Identified Following An1-labeling and DIBAC-Biotin Enrichment

Legend:
N-terminal Peptide (amino acid start index = 1)
N-terminal Peptide (amino acid start index = 2)
Internal Peptide
C-terminal Peptide

	Protein name	Protein accession numbers	Protein molecular weight (Da)	Peptide start index	Peptide stop index	Peptide sequence	Previous amino acid	Next amino acid	Calculated +1H peptide mass (AMU)
1	KPNB1 Importin subunit beta-1	IPI00001639	97,153.30	1	9	MELITILEK	-	T	1,131.63
2	ACACA Isoform 1 of Acetyl-CoA carboxylase 1	IPI00011569	265,538.40	1	18	MDEPSPLAQPLELNQHSR	-	F	2,104.01
3	FASN Fatty acid synthase	IPI00026781	273,382.00	1	12	MEEVVIAGMSGK	-	L	1,292.62
4	UBB;RPS27A;UBC ubiquitin and ribosomal protein S27a precursor	IPI00179330,IPI00397808,IPI00456429,IPI00719280,IPI00743241,IPI00743650,IPI00744274,IPI00784990,IPI00789107,IPI00789823,IPI00790633,IPI00792712,IPI00793330,IPI00793729,IPI00793810,IPI00794211,IPI00794925,IPI00795527,IPI00796007,IPI00796600,IPI00797400,IPI00798127,IPI00798155	17,947.60	1	6	MQIFVK	-	T	765.4328
5	UBB;RPS27A;UBC ubiquitin and ribosomal protein S27a precursor	IPI00179330,IPI00397808,IPI00456429,IPI00719280,IPI00743241,IPI00743650,IPI00744274,IPI00784990,IPI00789107,IPI00789823,IPI00790633,IPI00792712,IPI00793330,IPI00793729,IPI00793810,IPI00794211,IPI00794925,IPI00795527,IPI00796007,IPI00796600,IPI00797400,IPI00798127,IPI00798155	17,947.60	1	6	MQIFVK	-	T	765.4328
6	UBB;RPS27A;UBC ubiquitin and ribosomal protein S27a precursor	IPI00179330,IPI00397808,IPI00456429,IPI00719280,IPI00743241,IPI00743650,IPI00744274,IPI00784990,IPI00789107,IPI00789823,IPI00790633,IPI00792712,IPI00793330,IPI00793729,IPI00793810,IPI00794211,IPI00794925,IPI00795527,IPI00796007,IPI00796600,IPI00797400,IPI00798127,IPI00798155	17,947.60	1	8	MQIFVKTL	-	T	979.5646
7	UBB;RPS27A;UBC ubiquitin and ribosomal protein S27a precursor	IPI00179330,IPI00397808,IPI00456429,IPI00719280,IPI00743241,IPI00743650,IPI00744274,IPI00784990,IPI00789107,IPI00789823,IPI00790633,IPI00792712,IPI00793330,IPI00793729,IPI00793810,IPI00794211,IPI00794925,IPI00795527,IPI00796007,IPI00796600,IPI00797400,IPI00798127,IPI00798155	17,947.60	1	8	MQIFVKTL	-	T	979.5646
8	FAM46C Protein FAM46C	IPI00646224	44,926.90	1	19	MAEESSTRDCMSFSVLNW	-	D	3,044.18
9	SLC25A5 ADP/ATP translocase 2	IPI00007188	32,878.50	2	10	TDAAVSFAK	M	D	951.4782
10	CFL1 Cofilin-1	IPI00012011,IPI00909841	18,485.10	2	13	ASGVAVSDGVIK	M	V	1,144.62
11	ACTG1 Actin, cytoplasmic 2	IPI00021440	41,775.90	2	18	EEEEIALVIDNGSGMCK	M	A	1,877.86
12	HNRNPM Isoform 1 of Heterogeneous nuclear ribonucleoprotein M	IPI00171903,IPI00383296	77,499.30	2	17	AAGVEAAAEVAATEIK	M	M	1,542.80
13	CCT2 T-complex protein 1 subunit beta	IPI00297779	57,471.90	2	13	ASLSLAPVNIFK	M	A	1,301.75
14	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	2	15	AKAAAIGIDLGTTY	M	S	1,406.75
15	PARP1 Poly [ADP-ribose] polymerase 1	IPI00449049	113,069.80	2	10	AESSDKLYR	M	V	1,110.54
16	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	3	19	EIVHLQAGQCQGNQIGAK	R	F	1,822.92
17	MARS Methionyl-tRNA synthetase, cytoplasmic	IPI00008240	101,099.50	3	21	LFVSDGVPGCLPVLAAAGR	R	A	1,899.02
18	TUBB Tubulin beta chain	IPI00011654	49,652.60	3	19	EIVHIQAGQCQGNQIGAK	R	F	1,822.92
19	TUBB4 Tubulin beta-4 chain	IPI00023598	49,567.40	3	19	EIVHLQAGQCQGNQIGAK	R	F	1,822.92
20	TUBB2B Tubulin beta-2B chain	IPI00031370	49,935.10	3	19	EIVHIQAGQCQGNQIGAK	R	F	1,822.92
21	IGF2BP1 Insulin-like growth factor 2 mRNA-binding protein 1	IPI00008557	63,438.30	4	20	LYIGNLINESVTPADLEK	K	V	1,875.97
22	SFRS3 Splicing factor, arginine/serine-rich 3	IPI00010204,IPI00843996	19,312.00	4	11	DSCPLDCK	R	V	994.3971
23	RPL17;LOC100133931 60S ribosomal protein L17	IPI00413324,IPI00478208,IPI00514874,IPI00887088	21,379.40	4	13	YSLDPENPTK	R	S	1,163.56
24	TPT1 Tumor protein, translationally-controlled 1	IPI00009943,IPI00550900,IPI00908553	21,508.50	6	19	DLISHDEMFSDIYK	R	I	1,712.78
25	UNG Isoform 2 of Uracil-DNA glycosylase	IPI00011069	34,627.40	6	17	TLYFFSPSPAR	K	K	1,372.69
26	RAP1B Ras-related protein Rap-1b	IPI00015148,IPI00908754,IPI00910592	20,806.90	6	16	LVLVLSGGVGK	K	S	985.6042
27	CDC42 Isoform 2 of Cell division control protein 42 homolog	IPI00016786,IPI00909484	21,240.70	6	16	CVVVG DGAVGK	K	T	1,060.55
28	NAT13 Isoform 1 of N-acetyltransferase 13	IPI00018627	19,380.90	6	17	IELGDVTPHNIK	R	Q	1,335.73
29	PRPS1 Ribose-phosphate pyrophosphokinase 1	IPI00219616,IPI00917169	34,816.70	6	18	IFSGSSHQDLSQK	K	I	1,433.70
30	EEF1A1 Elongation factor 1-alpha 1	IPI00396485	50,123.20	6	20	THINIVIGHVDSGK	K	S	1,588.88
31	PSMD2 26S proteasome non-ATPase regulatory subunit 2	IPI00012268	100,184.20	7	31	DKAPVQPQQSPAAAPGGTDE	R	E	2,461.23
32	TFRC Transferrin receptor protein 1	IPI00022462	84,855.60	7	22	KPSGK SAFSNLFGGEPLSYTR	R	F	1,745.85

33	ATP1A1 Isoform Long of Sodium/potassium-transporting ATPase subunit alpha-1	UPI00006482,UPI00646182	112,881.50	8	22	DKYEPAAVSEQGDKK	R	G	1,664.81
34	HSDL2 Isoform 2 of Hydroxysteroid dehydrogenase-like protein 2	UPI00031107,UPI00414384	37,303.60	8	20	LAGCTVFITGASR	R	G	1,352.70
35	LDHB L-lactate dehydrogenase B chain	UPI00219217	36,620.60	8	23	LIAPVAEEETVPNNK	K	I	1,694.90
36	SPTAN1 cDNA FLJ61399, highly similar to Spectrin alpha chain, brain	UPI00744706,UPI00843765,UPI00844215,UPI00871535,UPI00879810	282,131.80	8	18	VLETAEDIQER	K	R	1,302.65
37	SLC25A5 ADP/ATP translocase 2	UPI00007188	32,878.50	9	34	AKDFLAGGVAAAISKTAVAPIE RVKL	F	L	2,596.52
38	PPP2CA Serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform	UPI00008380,UPI00815784	35,576.50	9	21	ELDQWIEQLNECK	K	Q	1,704.79
39	HNRNPA0 Heterogeneous nuclear ribonucleoprotein A0	UPI00011913	30,822.50	9	24	LFIGGLNVQTSSEGLR	K	G	1,690.91
40	SLC25A6 ADP/ATP translocase 3	UPI00291467	32,849.10	9	34	AKDFLAGGIAAAISKTAVAPIE RVKL	F	L	2,610.53
41	PPIA Peptidyl-prolyl cis-trans isomerase A	UPI00419585,UPI00887678	17,994.90	9	22	DIAVDGEPLGRVSF	F	E	1,474.75
42	AK1 Adenylate kinase isoenzyme 1	UPI00018342,UPI00640817	21,617.10	10	21	IIFVVGPGPSGK	K	G	1,130.66
43	CDC2 Putative uncharacterized protein DKFZp686L20222	UPI00026689	34,762.10	10	20	IGEGTYGVVYK	K	G	1,185.62
44	RPL7 60S ribosomal protein L7	UPI00030179,UPI00472171,UPI00871827,UPI00872387	29,209.70	10	19	EVPVPETLK	K	K	1,082.61
45	RBMX Heterogeneous nuclear ribonucleoprotein G	UPI00304692	42,315.70	10	22	LFIGGLNTETNEK	K	A	1,435.74
46	SLC25A5 ADP/ATP translocase 2	UPI00007188	32,878.50	11	23	DFLAGGVAAAISK	K	T	1,219.67
47	RAB1B Ras-related protein Rab-1B	UPI00008964,UPI00871366	22,154.00	11	21	LLLIGDSGVGK	K	S	1,071.64
48	RAB7A Ras-related protein Rab-7a	UPI00016342	23,472.00	11	21	VILGDSGVGK	K	T	1,057.63
49	RANBP2 E3 SUMO-protein ligase RanBP2	UPI00221325	358,180.20	11	23	YIASVQGSTPSPR	R	Q	1,362.70
50	PSMA5 Proteasome subunit alpha type-5	UPI00291922	26,393.30	11	20	GVNTFSPEGR	R	L	1,063.52
51	SFRS3 Splicing factor, arginine/serine-rich 3	UPI00010204,UPI00843996	19,312.00	12	28	VYVGNLGNNGNKTELER	K	A	1,876.95
52	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	UPI00013881,UPI00479191	49,211.80	12	20	VVKVRGLPW	F	S	1,053.66
53	YWHAQ 14-3-3 protein theta	UPI00018146	27,747.40	12	18	LAEQAER	K	Y	816.421
54	YWHAZ 14-3-3 protein zeta/delta	UPI00021263	27,727.90	12	18	LAEQAER	K	Y	816.421
55	LMNA Isoform A of Lamin-A/C	UPI00021405,UPI00216952,UPI00216953,UPI00514204,UPI00644087,UPI00655812	74,122.60	12	25	SGAQASSTPLSPTR	R	I	1,359.69
56	TKT transketolase isoform 2	UPI00792641	58,965.00	12	21	LQALKDTANR	K	L	1,129.63
57	YWHAE 14-3-3 protein epsilon	UPI00000816	29,157.00	13	19	LAEQAER	K	Y	816.421
58	TXNDC9 Thioredoxin domain-containing protein 9	UPI00022386,UPI00917664	26,517.00	13	23	VLEHQLLQTTK	K	L	1,309.75
59	YWHAG 14-3-3 protein gamma	UPI00220642	28,285.10	13	19	LAEQAER	R	Y	816.421
60	SFRS3 Splicing factor, arginine/serine-rich 3	UPI00010204,UPI00843996	19,312.00	14	30	VGNLGNNGNKTELERAF	Y	G	1,832.93
61	STIP1 Stress-induced-phosphoprotein 1	UPI00013894,UPI00871856	62,624.10	14	32	ALSVGNIDDALQCYSEAIK	K	L	2,067.01
62	STIP1 Stress-induced-phosphoprotein 1	UPI00013894,UPI00871856	62,624.10	14	32	ALSVGNIDDALQCYSEAIK	K	L	2,067.01
63	RAB11B Ras-related protein Rab-11B	UPI00020436,UPI00429190,UPI00795676	24,471.00	14	24	VVLIGDSGVGK	K	S	1,043.61
64	YWHAB Isoform Long of 14-3-3 protein beta/alpha	UPI00216318,UPI00759832	28,065.10	14	20	LAEQAER	K	Y	816.421
65	TTL3 cDNA FLJ14048 fis, clone HEMBA1006650, weakly similar to ARP2/3 COMPLEX 20 KD SUBUNIT	UPI00386354,UPI00554811,UPI00790262	19,649.40	14	32	ATLQAALCLENFSSQVVER	R	H	2,136.08
66	ST13 Hsc70-interacting protein	UPI00032826	41,314.40	15	29	MCKQDPSVLHTEEMR	K	F	1,860.84
67	ALDOA Fructose-bisphosphate aldolase A	UPI00465439,UPI00796333	39,402.60	15	22	ELSDIAHR	K	I	940.4847
68	HNRNPA1 Isoform A1-B of Heterogeneous nuclear ribonucleoprotein A1	UPI00215965,UPI00465365	38,828.10	16	31	LFIGGLSFETTDESLR	K	S	1,784.91
69	RNASEH2A Ribonuclease H2 subunit A	UPI00290192	33,377.00	16	25	LSSPVPVAVCR	R	K	1,085.58
70	HSP90AB1 Heat shock protein HSP 90-beta	UPI00414676	83,249.30	16	24	AFQAEIAQL	F	M	990.5255
71	ENO1 Isoform alpha-enolase of Alpha-enolase	UPI00465248	47,152.20	16	28	GNPTVEVDLFTSK	R	G	1,406.72
72	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	UPI00013881,UPI00479191	49,211.80	17	29	GLPWSCSADEVQR	R	F	1,504.69
73	RPL12 Isoform 1 of 60S ribosomal protein L12	UPI00024933	17,801.10	17	31	CTGGVEVGATSALAPK	R	I	1,418.69
74	ATP1B3 Sodium/potassium-transporting ATPase subunit beta-3	UPI00008167	31,495.70	18	31	LFYNPPTTGEFLGR	K	T	1,627.85

75	KHDRBS1 Isoform 1 of KH domain-containing, RNA-binding, signal transduction-associated protein 1	IP100008575,IP100385834,IP100479209	48,210.20	18	31	SGSMDPSSGAHPSVR	R	Q	1,384.63
76	CUGBP1 Isoform 1 of CUG-BP- and ETR-3-like factor 1	IP100034015,IP100218388,IP100218389,IP100853009	52,046.00	18	25	MFVGVQVPR	K	T	933.4975
77	ACACA Isoform 1 of Acetyl-CoA carboxylase 1	IP100011569	265,538.40	19	38	FIIGSVSEDNSEDEISNLVK	R	L	2,195.07
78	YWHAZ 14-3-3 protein zeta/delta	IP100021263	27,727.90	19	27	YDDMAACMK	R	S	1,104.42
79	ACTG1 Actin, cytoplasmic 2	IP100021440	41,775.90	19	28	AGFAGDDAPR	K	A	976.4484
80	ACTG1 Actin, cytoplasmic 2	IP100021440	41,775.90	19	28	AGFAGDDAPR	K	A	976.4484
81	GSTP1 Glutathione S-transferase P	IP100219757	23,338.70	19	29	RMLLADQGGQSW	L	K	1,304.64
82	TCP1 T-complex protein 1 subunit alpha	IP100290566	60,327.20	19	33	SQNVMAAASIANIVK	R	S	1,516.82
83	PC Pyruvate carboxylase, mitochondrial	IP100299402	129,616.70	19	30	TSTAPAASPNVR	R	R	1,171.61
84	HSPA4 Heat shock 70 kDa protein 4	IP100002966	94,313.90	20	33	AGGIETIANEYSR	R	C	1,495.70
85	TPT1 Tumor protein, translationally-controlled 1	IP100009943,IP100550900,IP100908553	21,508.50	20	34	IREIADGLCLEVEGK	K	M	1,701.88
86	TUBB Tubulin beta chain	IP100011654	49,652.60	20	46	FWEVISDEHGIDPTGTYHGDS DLQLDR	K	I	3,102.41
87	ARF1 ADP-ribosylation factor 1	IP100215914,IP100215917	20,679.60	20	30	ILMVGLDAAGK	R	T	1,087.62
88	GSTP1 Glutathione S-transferase P	IP100219757	23,338.70	20	45	MLLADQGGQSWKEEVTVET WQEGSLK	R	A	2,991.48
89	NCAPD2 Condensin complex subunit 1	IP100299524	157,155.30	20	35	SGGVNQYVVQEVLSIK	K	H	1,719.93
90	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IP100013881,IP100479191	49,211.80	21	31	SCSADEVQRFF	W	S	1,345.58
91	EEF2 Elongation factor 2	IP100186290	95,322.10	21	32	NMSVIAHVVDHGK	R	S	1,307.65
92	PSMA5 Proteasome subunit alpha type-5	IP100291922	26,393.30	21	32	LFQVEYAIK	R	L	1,423.78
93	HNRNPA3 Isoform 1 of Heterogeneous nuclear ribonucleoprotein A3	IP100419373	39,577.10	21	35	RGEEGHDPKEPEQLR	R	K	1,776.86
94	TPT1 Tumor protein, translationally-controlled 1	IP100009943,IP100550900,IP100908553	21,508.50	22	34	EIADGLCLEVEGK	R	M	1,432.70
95	BAX Isoform Epsilon of Apoptosis regulator BAX	IP100071059,IP100443773,IP100444945,IP100845474,IP100885203	18,111.40	22	34	TGALLLQGFQDR	K	A	1,431.80
96	HIST1H2AH Histone H2A type 1-H	IP100081836,IP100216457,IP100220855,IP100255316,IP100291764,IP100339274,IP100552873,IP100902514	13,888.80	22	30	AGLQFPVGR	R	V	944.5313
97	DCXR L-xylulose reductase	IP100448095,IP100797249,IP100797917	25,894.20	22	33	GTVQALHATGAR	R	V	1,181.64
98	RPS5 40S ribosomal protein S5	IP100008433	22,859.00	23	42	WSTDDVQINDISLQDYIAVK	K	E	2,323.15
99	TUBA4B Putative tubulin-like protein alpha-4B	IP100017454	27,533.90	23	42	RQIFHPEQLITGKEDAANNY	Y	A	2,344.17
100	ATIC Bifunctional purine biosynthesis protein PURH	IP100289499	64,598.50	23	39	NLTALGLNLVASGGTAK	R	A	1,599.91
101	RBMX Heterogeneous nuclear ribonucleoprotein G	IP100304692	42,315.70	23	30	ALEAVFGK	K	Y	834.472
102	PREP Prolyl endopeptidase	IP100008164	80,683.50	24	40	ICDPYAWLEDPDSEQTK	K	A	2,066.90
103	IPO4 Isoform 1 of Importin-4	IP100156374,IP100398009	118,700.70	24	33	ATEQLQIVLR	R	A	1,170.68
104	RPL14 Ribosomal protein L14 variant	IP100555744	23,769.70	24	35	LVAIVDVIDQNR	K	A	1,354.77
105	PFKP 6-phosphofructokinase type C	IP100009790	85,579.40	26	44	AIGVLTSGGDAQGMNAAVR	K	A	1,787.91
106	CCT2 T-complex protein 1 subunit beta	IP100297779	57,471.90	26	40	LTSFIGAIAIGDLVK	R	S	1,517.89
107	SNAP23 Isoform SNAP-23a of Synaptosomal-associated protein 23	IP100010438,IP100216231,IP100794966,IP100795000,IP100796942	23,336.80	27	40	ILGLAIESQDAGIK	R	T	1,427.81
108	TUBA4B Putative tubulin-like protein alpha-4B	IP100017454	27,533.90	27	42	HPEQLITGKEDAANNY	F	A	1,799.86
109	PRDX1 Peroxiredoxin-1	IP100000874,IP100640741	22,092.90	28	35	DISLSDYK	K	G	940.4623
110	RAB1B Ras-related protein Rab-1B	IP100008964,IP100871366	22,154.00	28	46	FADDTYTESYISTIGVDFK	R	I	2,172.00
111	RAB18 Ras-related protein Rab-18	IP100014577	22,959.50	28	46	FTDDTFDPELAATIGVDFK	R	V	2,102.00
112	YWHAQ 14-3-3 protein theta	IP100018146	27,747.40	28	41	AVTEQGAELSNEER	K	N	1,532.72
113	YWHAZ 14-3-3 protein zeta/delta	IP100021263	27,727.90	28	41	SVTEQGAELSNEER	K	N	1,548.71
114	YWHAG 14-3-3 protein gamma	IP100220642	28,285.10	29	42	NVTELNEPLSNEER	K	N	1,643.79
115	ALDOA Fructose-bisphosphate aldolase A	IP100465439,IP100796333	39,402.60	29	43	GILAADESTGSIKR	K	L	1,488.80
116	ALDOA Fructose-bisphosphate aldolase A	IP100465439,IP100796333	39,402.60	29	42	GILAADESTGSIK	K	R	1,332.70
117	YWHAE 14-3-3 protein epsilon	IP100000816	29,157.00	30	42	VAGMDVELTVEER	K	N	1,447.71
118	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IP100013881,IP100479191	49,211.80	30	35	FFSDCK	R	I	803.3393

119	UBB;RPS27A;UBC ubiquitin and ribosomal protein S27a precursor	UPI00179330,UPI00397808,UPI00456429,UPI00719280,UPI00743241,UPI00743650,UPI00744274,UPI00784990,UPI00789107,UPI00789823,UPI00790633,UPI00792712,UPI00793330,UPI00793729,UPI00793810,UPI00794211,UPI00794925,UPI00795527,UPI00796007,UPI00796600,UPI00797400,UPI00798127,UPI00798155	17,947.60	30	42	IQDKEGIPPDQQR	K	L	1,523.78
120	UBB;RPS27A;UBC ubiquitin and ribosomal protein S27a precursor	UPI00179330,UPI00397808,UPI00456429,UPI00719280,UPI00743241,UPI00743650,UPI00744274,UPI00784990,UPI00789107,UPI00789823,UPI00790633,UPI00792712,UPI00793330,UPI00793729,UPI00793810,UPI00794211,UPI00794925,UPI00795527,UPI00796007,UPI00796600,UPI00797400,UPI00798127,UPI00798155	17,949.70	30	42	IQDKEGIPPDQQR	K	L	1,523.78
121	UBB;RPS27A;UBC ubiquitin and ribosomal protein S27a precursor	UPI00179330,UPI00397808,UPI00456429,UPI00719280,UPI00743241,UPI00743650,UPI00744274,UPI00784990,UPI00789107,UPI00789823,UPI00790633,UPI00792712,UPI00793330,UPI00793729,UPI00793810,UPI00794211,UPI00794925,UPI00795527,UPI00796007,UPI00796600,UPI00797400,UPI00798127,UPI00798155	17,947.60	30	42	IQDKEGIPPDQQR	K	L	1,523.78
122	UBB;RPS27A;UBC ubiquitin and ribosomal protein S27a precursor	UPI00179330,UPI00397808,UPI00456429,UPI00719280,UPI00743241,UPI00743650,UPI00744274,UPI00784990,UPI00789107,UPI00789823,UPI00790633,UPI00792712,UPI00793330,UPI00793729,UPI00793810,UPI00794211,UPI00794925,UPI00795527,UPI00796007,UPI00796600,UPI00797400,UPI00798127,UPI00798155	17,947.60	30	42	IQDKEGIPPDQQR	K	L	1,523.78
123	PTBP1 polypyrimidine tract-binding protein 1 isoform a	UPI00183626,UPI00334175	59,616.40	30	47	IMSSNSASAANGNDSKKF	F	K	1,828.85
124	YWHAB Isoform Long of 14-3-3 protein beta/alpha	UPI00216318,UPI00759832	28,065.10	30	43	AVTEQGHLSNEER	K	N	1,598.74
125	XPOT Exportin-T	UPI00306290	109,948.60	30	45	ISPDQVQVCAEALAQR	K	T	1,814.89
126	SURF4 Isoform 1 of Surfeit locus protein 4	UPI00005737,UPI00399142,UPI00641719	30,377.40	31	43	LCLISTFLEDGIR	R	M	1,536.81
127	UBB;RPS27A;UBC ubiquitin and ribosomal protein S27a precursor	UPI00179330,UPI00397808,UPI00456429,UPI00719280,UPI00743241,UPI00743650,UPI00744274,UPI00784990,UPI00789107,UPI00789823,UPI00790633,UPI00792712,UPI00793330,UPI00793729,UPI00793810,UPI00794211,UPI00794925,UPI00795527,UPI00796007,UPI00796600,UPI00797400,UPI00798127,UPI00798155	12,234.60	31	43	IQDKEGIPPDQQR	K	L	1,523.78
128	RPL12 Isoform 1 of 60S ribosomal protein L12	UPI00024933	17,801.10	32	40	IGPLGLSPK	K	K	881.5457
129	NUP107 Nuclear pore complex protein Nup107	UPI00028005	106,358.70	32	48	VLLQASQDENFGNTTPR	R	N	1,889.94
130	COPZ1 Coatomer subunit zeta-1	UPI00032851,UPI00790808,UPI00791413,UPI00792095,UPI00792696	6,653.30	32	47	RGEDVPLTEQTVSQVL	L	Q	1,770.92
131	NUP93 Nuclear pore complex protein Nup93	UPI00397904	93,473.20	32	42	NLQEIQQAGER	R	L	1,285.65
132	ENO1 Isoform alpha-enolase of Alpha-enolase	UPI00465248	47,152.20	32	44	RAAVPSGASTGIY	F	E	1,249.65
133	CORO1C cDNA FLJ50992, highly similar to Coronin 1C	UPI00798401,UPI00867509	49,361.90	32	44	VTWDSDFCAVNPR	R	F	1,538.71
134	EEF2 Elongation factor 2	UPI00186290	95,322.10	33	42	STLTDLSLVCK	K	A	1,123.57
135	NPM1 Isoform 2 of Nucleophosmin	UPI00220740,UPI00549248	29,446.90	33	45	VDNDENHQLSLR	K	T	1,568.73
136	PARK7 Protein DJ-1	UPI00298547	19,873.10	33	48	VTVAGLAGKDPVQCSR	K	D	1,657.87
137	TCEA1 Isoform 1 of Transcription elongation factor A protein 1	UPI00333215	33,952.60	33	45	NIPMTLELLQSTR	K	I	1,515.82
138	ENO1 Isoform alpha-enolase of Alpha-enolase	UPI00465248	47,152.20	33	50	AAVPSGASTGIYEALRLR	R	D	1,804.94
139	PTGES3 Prostaglandin E synthase 3	UPI00015029,UPI00789101,UPI00789698,UPI00790462,UPI00908647	18,679.90	34	48	SKLTFSCLLGGSDNFK	K	H	1,660.80
140	SEC23A Protein transport protein Sec23A	UPI00017375	86,144.60	34	46	MVVPVAALFTPLK	R	E	1,385.82
141	IPO4 Isoform 1 of Importin-4	UPI00156374,UPI00398009	118,700.70	34	54	APAALPALCDLLASAADPQIR	R	Q	2,134.13
142	HIST1H1C Histone H1.2	UPI00217465,UPI00217466,UPI00217467	21,347.80	34	46	KASGPPVSELITK	R	A	1,326.76
143	HIST1H1C Histone H1.2	UPI00217465,UPI00217466,UPI00217467	21,848.90	34	46	KASGPPVSELITK	R	A	1,326.76
144	SLC25A5 ADP/ATP translocase 2	UPI00007188	32,878.50	35	51	LLQVQHASKQITADKQY	L	K	1,971.07
145	HIST1H1C Histone H1.2	UPI00217465,UPI00217466,UPI00217467	21,347.80	35	46	ASGPPVSELITK	K	A	1,198.67
146	SLC25A6 ADP/ATP translocase 3	UPI00291467	32,849.10	35	51	LLQVQHASKQIADKQY	L	K	1,941.06
147	DHX9 ATP-dependent RNA helicase A	UPI00844578	140,943.50	35	43	MCEVQVEGY	F	N	1,114.45
148	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	UPI00013881,UPI00479191	49,211.80	36	44	IQNGAQQGIR	K	F	956.5273
149	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	UPI00003865	70,881.80	37	49	TTPSYVAFTDTER	R	L	1,487.70
150	TUBB2C Tubulin beta-2C chain	UPI00007752	49,812.70	37	50	HGSDSLQLERINVY	Y	Y	1,658.81
151	TUBB Tubulin beta chain	UPI00011654	49,652.60	37	50	HGSDSLQLDRISVY	Y	Y	1,617.79
152	CDC2 Putative uncharacterized protein DKFZp686L20222	UPI00026689	34,762.10	37	52	IRLESEEEGVPSTAIR	K	E	1,785.93
153	RPL9 60S ribosomal protein L9	UPI00031691,UPI00795717	21,845.70	37	50	DFNHINVELSLLGK	R	K	1,598.85
154	XRCC5 ATP-dependent DNA helicase 2 subunit 2	UPI00220834,UPI00871391	82,689.10	37	44	VITMFVQR	K	Q	993.555
155	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	UPI00304925	70,036.00	37	49	TTPSYVAFTDTER	R	L	1,487.70

156	HNRNPK Isoform 1 of Heterogeneous nuclear ribonucleoprotein K	IP100216049,IP100216746,IP100514561,IP100807545,IP100910458	50,960.50	38	46	NTDEMVELR	R	I	1,106.51
157	EEF1A1 Elongation factor 1-alpha 1	IP100396485	50,123.20	38	51	TIEKFEKEAAEMGK	R	G	1,610.81
158	HSPD1 60 kDa heat shock protein, mitochondrial	IP100784154	61,037.70	38	58	ALMLQGVDLLADAVAVTMGP K	R	G	2,113.14
159	RPL11 Isoform 1 of 60S ribosomal protein L11	IP100376798	20,235.20	39	52	VLEQLTGQTPVFSK	K	A	1,546.85
160	TFRC Transferrin receptor protein 1	IP100022462	84,855.60	40	53	LAVDEEENADNNTK	K	A	1,561.70
161	PFKM Isoform 2 of 6-phosphofructokinase, muscle type	IP100219585,IP100465179,IP100743142	81,758.50	40	47	VGIFTGAR	R	V	820.4676
162	TUBA1A Tubulin alpha-1A chain	IP100180675	50,117.70	41	60	TIGGGDDSFNTFFSETGAGK	K	H	2,007.89
163	GEMIN5 Gem-associated protein 5	IP100291783	168,544.60	41	55	VGPGAGESPGTPPFR	R	V	1,425.71
164	PSMB2 Proteasome subunit beta type-2	IP100028006	22,819.50	42	62	ILLLCVGEAGDTVQFAEYIQK	K	N	2,367.23
165	HSP90AB1 Heat shock protein HSP 90-beta	IP100414676	83,249.30	42	55	ELISNASDALDKIR	R	Y	1,544.83
166	CNPB Isoform 1 of Cellular nucleic acid-binding protein	IP100430812,IP100430813,IP100895785,IP100895806,IP100895852,IP100895911	19,444.10	42	56	GFQFVSSSLPDICYR	R	C	1,775.84
167	KPNB1 Importin subunit beta-1	IP100001639	97,153.30	43	54	VLANPGENSQVAR	R	V	1,225.66
168	KPNB1 Importin subunit beta-1	IP100001639	97,153.30	43	54	VLANPGENSQVAR	R	V	1,225.66
169	KPNB1 Importin subunit beta-1	IP100001639	97,153.30	43	54	VLANPGENSQVAR	R	V	1,225.66
170	UBB;RPS27A;UBC ubiquitin and ribosomal protein S27a precursor	IP100179330,IP100397808,IP100456429,IP100719280,IP100743241,IP100743650,IP100744274,IP100784990,IP100789107,IP100789823,IP100790633,IP100792712,IP100793330,IP100793729,IP100793810,IP100794211,IP100794925,IP100795527,IP100796007,IP100796600,IP100797400,IP100798127,IP100798155	17,947.60	43	48	LIFAGK	R	Q	648.408
171	UBB;RPS27A;UBC ubiquitin and ribosomal protein S27a precursor	IP100179330,IP100397808,IP100456429,IP100719280,IP100743241,IP100743650,IP100744274,IP100784990,IP100789107,IP100789823,IP100790633,IP100792712,IP100793330,IP100793729,IP100793810,IP100794211,IP100794925,IP100795527,IP100796007,IP100796600,IP100797400,IP100798127,IP100798155	17,947.60	44	56	IFAGKQLEDGRTL	L	S	1,447.79
172	UBB;RPS27A;UBC ubiquitin and ribosomal protein S27a precursor	IP100179330,IP100397808,IP100456429,IP100719280,IP100743241,IP100743650,IP100744274,IP100784990,IP100789107,IP100789823,IP100790633,IP100792712,IP100793330,IP100793729,IP100793810,IP100794211,IP100794925,IP100795527,IP100796007,IP100796600,IP100797400,IP100798127,IP100798155	17,947.60	44	56	IFAGKQLEDGRTL	L	S	1,447.79
173	TCP1 T-complex protein 1 subunit alpha	IP100290566	60,327.20	44	63	MLVDDIGDVTITNDGATILK	K	L	2,104.08
174	TP11 Isoform 1 of Triosephosphate isomerase	IP100465028	30,772.80	44	51	FFVGGNWK	K	M	954.4832
175	PKM2 cDNA FLJ53368, highly similar to Pyruvate kinase isozymes M1/M2	IP100847989	49,880.20	44	56	NTGIICIGPASR	R	S	1,359.71
176	ATP6V1A V-type proton ATPase catalytic subunit A	IP100007682	68,287.40	45	56	VGHSELVGEIIR	R	L	1,308.73
177	LOC442497;SLC3A2 4F2 cell-surface antigen heavy chain	IP100027493,IP100554481,IP100554611,IP100554702,IP100554722,IP100604710	57,929.40	45	59	IKVAEDEAEAAAAAK	K	F	1,486.77
178	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IP100304925	70,036.00	45	68	TDTERLIGDAAKNQVALNPQN TVF	F	D	2,615.34
179	TTL3 cDNA FLJ14048 fis, clone HEMBA1006650, weakly similar to ARP2/3 COMPLEX 20 KD SUBUNIT	IP100386354,IP100554811,IP100790262	19,649.40	45	55	ELLLQPVITISR	K	N	1,268.76
180	CFL1 Cofilin-1	IP100012011,IP100909841	18,485.10	46	73	NIILEEGKEILVGDVGQTVDDP YATFVK	K	M	3,062.59
181	UBB;RPS27A;UBC ubiquitin and ribosomal protein S27a precursor	IP100179330,IP100397808,IP100456429,IP100719280,IP100743241,IP100743650,IP100744274,IP100784990,IP100789107,IP100789823,IP100790633,IP100792712,IP100793330,IP100793729,IP100793810,IP100794211,IP100794925,IP100795527,IP100796007,IP100796600,IP100797400,IP100798127,IP100798155	17,947.60	46	59	AGKQLEDGRTLSDY	F	N	1,552.76
182	GAPDH Glyceraldehyde-3-phosphate dehydrogenase	IP100219018,IP100795257	36,035.30	46	56	MFQYDSTHGKF	Y	H	1,376.59
183	GSTP1 Glutathione S-transferase P	IP100219757	23,338.70	46	55	ASCLYQLPK	K	F	1,136.58
184	TUBB2C Tubulin beta-2C chain	IP100007752	49,812.70	47	58	INVYYNEATGGK	R	Y	1,328.65
185	TUBB Tubulin beta chain	IP100011654	49,652.60	47	58	ISVYYNEATGGK	R	Y	1,301.64
186	PCBP2 poly(rC) binding protein 2 isoform b	IP100012066,IP100470509,IP100791223,IP100796337	38,204.50	47	57	INISEGNCPER	R	I	1,288.60
187	PCBP2 poly(rC) binding protein 2 isoform b	IP100012066,IP100470509,IP100791223,IP100796337	38,204.50	47	57	INISEGNCPER	R	I	1,288.60
188	PCBP2 poly(rC) binding protein 2 isoform b	IP100012066,IP100470509,IP100791223,IP100796337	38,204.50	47	57	INISEGNCPER	R	I	1,288.60
189	OCIAD1 Isoform 1 of OCIA domain-containing protein 1	IP100016405,IP100816371,IP100816523	27,608.80	47	64	SVPLAATSMILITQGLISK	R	G	1,830.04
190	PCBP1 Poly(rC)-binding protein 1	IP100016610	37,480.20	47	57	INISEGNCPER	R	I	1,288.60

191	LOC442497;SLC3A2 4F2 cell-surface antigen heavy chain	IPI00027493,IPI00554481,IPI00554611,IPI00554702,IPI00554722,IPI00604710	57,929.40	47	59	VAEDEAEAAAAAK	K	F	1,245.60
192	ACTR1A Alpha-centractin	IPI00029468,IPI00908883	42,597.20	47	61	VMAGALEGDIFIGPK	R	A	1,517.80
193	TUBB2B Tubulin beta-2B chain	IPI00031370	49,935.10	47	62	INVYYNEATGNKYVPR	R	A	1,900.96
194	CDC123 Cell division cycle protein 123 homolog	IPI00005670,IPI00514175,IPI00514360	35,847.50	48	62	VQEAINSLGGSVFPK	K	L	1,545.83
195	NAT13 Isoform 1 of N-acetyltransferase 13	IPI00018627	19,380.90	48	62	LAYFNDAVAVCCR	K	V	1,728.82
196	AASDHPPT L-aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase RPL24 60S ribosomal protein L24	IPI00250297	35,759.10	48	55	IGQFVFAR	R	D	937.5254
197	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IPI00306332,IPI00791426,IPI00793696,IPI00873403	17,761.50	48	56	QINWTVLYR	R	R	1,192.65
198	HSDL2 Isoform 2 of Hydroxysteroid dehydrogenase-like protein 2	IPI00290770,IPI00553185	60,446.30	49	68	MLLDPMGGIVMTNDGNAILR	K	E	2,131.07
199	RBMX Heterogeneous nuclear ribonucleoprotein G	IPI00031107,IPI00414384	37,303.60	50	67	LLGTIYTAAEEIEAVGGK	K	A	1,834.98
200	PABPC1 Isoform 1 of Polyadenylate-binding protein 1	IPI00304692	42,315.70	50	63	GFAFVTFESPADAK	R	D	1,486.72
201	ACTG1 Actin, cytoplasmic 2	IPI00008524,IPI00410017	70,653.30	51	67	SLGYAYVNFQQPADAER	R	A	1,928.91
202	TIMM23 Mitochondrial import inner membrane translocase subunit Tim23	IPI00021440	41,775.90	51	62	DSYVGDEAQSQR	K	G	1,354.62
203	CKB Creatine kinase B-type	IPI00007309	21,926.20	52	68	YLVQDTEFILPTGANK	R	T	1,923.97
204	TROVE2 Isoform Long of 60 kDa SS-A/Ro ribonucleoprotein	IPI00022977,IPI00908811	42,627.10	52	68	TLDDVIQGTVDNPGHPY	F	I	1,840.87
205	FDFT1 Squalene synthetase	IPI00019450,IPI00642416,IPI00646322,IPI00646813	60,654.10	53	63	LGLENAEALIR	K	L	1,198.68
206	CCT7 T-complex protein 1 subunit eta	IPI00020944,IPI00797743,IPI00908715	48,098.40	53	66	SFAAVIQALDGEMR	R	N	1,507.76
207	NUDC Nuclear migration protein nudC	IPI00018465	59,349.80	54	67	GKATISNDGATILK	R	L	1,388.77
208	IPO4 Isoform 1 of Importin-4	IPI00550746,IPI00871312	38,225.70	54	68	LITQTFSHHNQLAQK	K	T	1,765.93
209	UBB;RPS27A;UBC ubiquitin and ribosomal protein S27a precursor	IPI00156374,IPI00398009	118,700.70	55	62	QFAAVLTR	R	R	905.5203
210	RPS10 40S ribosomal protein S10	IPI00179330,IPI00397808,IPI00456429,IPI00719280,IPI00743241,IPI00743650,IPI00744274,IPI00784990,IPI00789107,IPI00789823,IPI00790633,IPI00792712,IPI00793330,IPI00793729,IPI00793810,IPI00794211,IPI00794925,IPI00795527,IPI00796007,IPI00796600,IPI00797400,IPI00798127,IPI00798155	17,947.60	55	63	TLSDYNIQK	R	E	1,081.55
211	HNRNPH3 Isoform 1 of Heterogeneous nuclear ribonucleoprotein H3	IPI00008438,IPI00749512	18,880.30	56	65	GYVKEQFAWR	R	H	1,283.65
212	RAB7A Ras-related protein Rab-7a	IPI00013877,IPI00216492,IPI00216493	36,909.60	56	67	STGEAFVQFASK	R	E	1,271.63
213	STUB1 Isoform 1 of STIP1 homology and U box-containing protein 1	IPI00016342	23,472.00	56	69	LVTMQIWDTAGQER	R	F	1,647.82
214	GNPNAT1 Glucosamine 6-phosphate N-acetyltransferase	IPI00025156	34,839.00	56	66	NPLVAVYYTNR	R	A	1,309.69
215	GSTP1 Glutathione S-transferase P	IPI00061525	20,731.30	56	73	VLGQLTETGVVSPEQFMK	K	S	1,963.02
216	HSP90AB1 Heat shock protein HSP 90-beta	IPI00219757	23,338.70	56	71	FQDGDLTLYQSNTILR	K	H	1,883.95
217	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00414676	83,249.30	56	69	YESLTDPSKLD SGK	R	E	1,539.75
218	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00465028	30,772.80	56	70	KQSLGELIGTLNAAK	R	V	1,542.89
219	RPL18A 60S ribosomal protein L18a	IPI00003865	70,881.80	57	71	NQVAMNPTNTV F DAK	K	R	1,649.80
220	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00026202,IPI00847774,IPI00872093	20,744.60	57	70	SSGEIVYCGQVFEK	K	S	1,602.75
221	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	57	72	NQVALNPQNTV F DAKR	K	L	1,814.95
222	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00304925	70,036.00	57	71	NQVALNPQNTV F DAK	K	R	1,658.85
223	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	57	70	QSLGELIGTLNAAK	K	V	1,414.79
224	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	57	70	QSLGELIGTLNAAK	K	V	1,414.79
225	RAB1B Ras-related protein Rab-1B	IPI00008964,IPI00871366	22,154.00	59	69	LQIWDTAGQER	K	F	1,316.66
226	RPS7 40S ribosomal protein S7	IPI00013415	22,109.50	59	70	AIIIFVVPVQLK	K	S	1,337.86
227	RAB18 Ras-related protein Rab-18	IPI00014577	22,959.50	59	69	LAIWDTAGQER	K	F	1,259.64
228	FASN Fatty acid synthase	IPI00026781	273,382.00	60	70	FDASFFGVHPK	R	Q	1,251.62
229	FASN Fatty acid synthase	IPI00026781	273,382.00	60	70	FDASFFGVHPK	R	Q	1,251.62
230	ARF1 ADP-ribosylation factor 1	IPI00215914,IPI00215917	20,679.60	60	73	NISFTVWDVGGQDK	K	I	1,565.76
231	RPP40 Ribonuclease P 40kDa subunit	IPI00332091,IPI00478496	39,310.30	60	67	VMNTGPYY	L	F	944.4182
232	IPO5 importin 5	IPI00793443	125,529.30	60	68	ITFLLQAIR	K	N	1,074.67

233	YWHAE 14-3-3 protein epsilon	IPI00000816	29,157.00	61	85	RIISSIEQKEENKGGEDKMKI REY	W	R	2,993.57
234	ILF2 Interleukin enhancer-binding factor 2	IPI00005198	43,044.70	61	80	NQDLAPNSAEQASILSLVTK	R	I	2,099.10
235	SSB Lupus La protein	IPI00009032,IPI00916802	46,821.00	61	74	LTTDFNVIVEALSK	R	S	1,549.85
236	YWHAZ 14-3-3 protein zeta/delta	IPI00021263	27,727.90	61	74	VVSSIEQKTEGAEK	R	K	1,504.79
237	YWHAZ 14-3-3 protein zeta/delta	IPI00021263	27,727.90	61	75	VVSSIEQKTEGAEKK	R	Q	1,632.88
238	YWHAE 14-3-3 protein epsilon	IPI00000816	29,157.00	62	73	IISSIEQKEENK	R	G	1,417.75
239	MAT2A S-adenosylmethionine synthetase isoform type-2	IPI00010157	43,642.80	62	74	TGMILLAGEITSR	K	A	1,361.75
240	RAB11B Ras-related protein Rab-11B	IPI00020436,IPI00429190,IPI00795676	24,471.00	62	72	AQIWDTAGQER	K	Y	1,274.61
242	RRM2 Ribonucleoside-diphosphate reductase M2 subunit	IPI00011118	51,076.50	63	77	SLRVPLAPITDPQQL	L	Q	1,647.94
243	TUBB Tubulin beta chain	IPI00011654	49,652.60	63	77	AILDVLEPGTMDSVR	R	S	1,615.84
244	TUBB Tubulin beta chain	IPI00011654	49,652.60	63	77	AILDVLEPGTMDSVR	R	S	1,615.84
245	LMNA Isoform A of Lamin-A/C	IPI00021405,IPI00216952,IPI00216953,IPI00514204,IPI00644087,IPI00655812	74,122.60	63	72	ITESEEVVSR	R	E	1,148.58
246	YWHAB Isoform Long of 14-3-3 protein beta/alpha	IPI00216318,IPI00759832	28,065.10	63	73	VISSIEQKTER	R	N	1,289.71
247	PEBP1 Phosphatidylethanolamine-binding protein 1	IPI00219446	21,038.90	63	76	LYTLVLTDPDAPSR	K	K	1,560.83
248	CCT8 59 kDa protein	IPI00302925,IPI00784090	59,460.90	63	74	LFVTNDAATILR	K	E	1,333.75
249	AK1 Adenylate kinase isoenzyme 1	IPI00018342,IPI00640817	21,617.10	64	77	GQLVPLETVLDMRLR	K	D	1,583.88
250	UBB;RPS27A;UBC ubiquitin and ribosomal protein S27a precursor	IPI00179330,IPI00397808,IPI00456429,IPI00719280,IPI00743241,IPI00743650,IPI00744274,IPI00784990,IPI00789107,IPI00789823,IPI00790633,IPI00792712,IPI00793330,IPI00793729,IPI00793810,IPI00794211,IPI00794925,IPI00795527,IPI00796007,IPI00796600,IPI00797400,IPI00798127,IPI00798155	17,947.60	64	72	ESTLHLVLR	K	L	1,067.62
251	UBB;RPS27A;UBC ubiquitin and ribosomal protein S27a precursor	IPI00179330,IPI00397808,IPI00456429,IPI00719280,IPI00743241,IPI00743650,IPI00744274,IPI00784990,IPI00789107,IPI00789823,IPI00790633,IPI00792712,IPI00793330,IPI00793729,IPI00793810,IPI00794211,IPI00794925,IPI00795527,IPI00796007,IPI00796600,IPI00797400,IPI00798127,IPI00798155	17,949.70	64	72	ESTLHLVLR	K	L	1,067.62
252	UBE2S Ubiquitin-conjugating enzyme E2 S	IPI00217949,IPI00878120	23,828.40	64	76	LLLGKDFPASPPK	K	G	1,382.80
253	DHX9 ATP-dependent RNA helicase A	IPI00844578	140,943.50	64	71	DFVNYLVR	R	I	1,025.54
254	PCNA Proliferating cell nuclear antigen	IPI00021700	28,751.30	65	77	NLAMGVNLTSMK	R	I	1,365.69
255	TRAPP5 Trafficking protein particle complex subunit 5	IPI00177509	20,765.40	65	72	VLDALVAR	R	E	856.5251
256	TUBA1A Tubulin alpha-1A chain	IPI00180675	50,117.70	65	79	AVFVDLEPTVIDEVR	R	T	1,701.91
257	PTBP1 polypyrimidine tract-binding protein 1 isoform a	IPI00183626,IPI00334175	59,616.40	65	84	KLPIDVTEGEVISLGLPFGK	R	V	2,112.20
258	HIST1H1C Histone H1.2	IPI00217465,IPI00217466,IPI00217467	21,347.80	65	79	ALAAAGYDVEKNNSR	K	I	1,578.79
259	HIST1H1C Histone H1.2	IPI00217465,IPI00217466,IPI00217467	21,848.90	65	79	ALAAAGYDVEKNNSR	K	I	1,578.79
260	HIST1H1C Histone H1.2	IPI00217465,IPI00217466,IPI00217467	21,848.90	65	75	ALAAAGYDVEK	K	N	1,107.57
261	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	66	81	VDLEPGTMDSVRSGPF	L	G	1,706.81
262	TUBB Tubulin beta chain	IPI00011654	49,652.60	66	81	VDLEPGTMDSVRSGPF	L	G	1,706.81
263	BAX Isoform Epsilon of Apoptosis regulator BAX	IPI00071059,IPI00443773,IPI00444945,IPI00845474,IPI00885203	18,111.40	66	78	IGDELDSNMELQR	R	M	1,519.71
264	PRDX4 Peroxiredoxin-4	IPI00011937	30,523.10	67	78	VSVADHSLHLSK	R	A	1,292.70
265	CCT7 T-complex protein 1 subunit eta	IPI00018465	59,349.80	67	79	KLLDVVHPPAAKTL	L	V	1,404.86
266	ARF1 ADP-ribosylation factor 1	IPI00215914,IPI00215917	20,679.60	67	77	DVGGQDKIRPL	W	W	1,197.66
267	GAPDH Glyceraldehyde-3-phosphate dehydrogenase	IPI00219018,IPI00795257	36,035.30	67	80	LVINGNPITIFQER	K	D	1,613.90
268	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	67	85	NAAKVPADTEVVCAPPTAY	L	I	1,973.96
269	PABPC1 Isoform 1 of Polyadenylate-binding protein 1	IPI00008524,IPI00410017	70,653.30	68	78	ALDTMNFVVIK	R	G	1,282.64
270	SEC23A Protein transport protein Sec23A	IPI00017375	86,144.60	68	79	AVLNPLCQVDYR	R	A	1,447.74
271	NP cDNA FLJ25678 fis, clone TST04067, highly similar to PURINE NUCLEOSIDE PHOSPHORYLASE	IPI00017672,IPI00871140	32,533.50	68	76	LVFGFLNGR	R	A	1,022.58
272	HNRNPD Isoform 1 of Heterogeneous nuclear ribonucleoprotein D0	IPI00028888,IPI00220684	38,416.50	68	85	IDASKNEEDEGHNSNSPR	K	H	1,971.86
273	NUP93 Nuclear pore complex protein Nup93	IPI00397904	93,473.20	68	77	GLDISHISQR	R	L	1,125.60

274	DDX5 Probable ATP-dependent RNA helicase DDX5	IPI00017617	69,131.70	69	77	TAQEVETYR	R	R	1,096.53
275	ACLY ATP-citrate synthase	IPI00021290,IPI00394838	120,824.80	69	82	LGLVGVNLTLDGVK	K	S	1,397.84
276	EIF4A1 Eukaryotic initiation factor 4A-I	IPI00025491,IPI00871852	46,137.30	69	82	GVDVIAQAQSGTGK	K	T	1,394.69
277	FSCN1 Fascin	IPI00163187,IPI00747810	54,512.30	69	82	YLAADKDGNTTCER	R	E	1,611.74
278	CDC123 Cell division cycle protein 123 homolog	IPI00005670,IPI00514175,IPI00514360	35,847.50	70	81	DAYWIAMNSSLK	R	C	1,398.67
279	PSMB2 Proteasome subunit beta type-2	IPI00028006	22,819.50	71	85	NGYELSPTAAANFTR	R	R	1,611.78
280	TP11 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	71	90	VPADTEVVCAPPTAYIDFAR	K	Q	2,192.07
281	TP11 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	71	90	VPADTEVVCAPPTAYIDFAR	K	Q	2,192.07
282	RPS5 40S ribosomal protein S5	IPI00008433	22,859.00	72	81	LTNSMMMMHGR	R	N	1,177.53
283	DHFR Dihydrofolate reductase	IPI00030357,IPI00887771	21,435.30	72	78	INLVLSR	R	E	814.5145
284	AK2 Isoform 1 of Adenylate kinase isoenzyme 2, mitochondrial	IPI00215901,IPI00218988	26,461.00	73	85	LVSDEMVELIEK	K	N	1,503.80
285	AK2 Isoform 1 of Adenylate kinase isoenzyme 2, mitochondrial	IPI00215901,IPI00218988	26,461.00	73	85	LVSDEMVELIEK	K	N	1,503.80
286	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	73	82	IDIIPNPQER	K	T	1,194.65
287	LASP1 Isoform 1 of LIM and SH3 domain protein 1	IPI00000861,IPI00386803,IPI00883946,IPI00909481,IPI00909939	29,698.80	74	85	LKQQSELQSQVR	R	Y	1,443.79
288	PPP2CA Serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform	IPI00008380,IPI00815784	35,576.50	75	89	SPDNTYLFMGDYVDR	K	G	1,792.78
289	UCHL3 Ubiquitin carboxyl-terminal hydrolase isozyme L3	IPI00011250	26,164.80	75	88	SQGQDVTSSVYFMK	K	Q	1,576.73
290	UBE2S Ubiquitin-conjugating enzyme E2 S	IPI00217949,IPI00878120	17,102.00	75	86	LLLENYEEYAAR	R	A	1,483.74
291	EIF2B1 Translation initiation factor eIF-2B subunit alpha	IPI00221300	33,695.20	75	88	FISLASLEYSYDYSK	R	C	1,622.79
292	SFRS3 Splicing factor, arginine/serine-rich 3	IPI00010204,IPI00843996	19,312.00	76	86	VRVELSNGEKR	R	S	1,286.72
293	CSE1L Isoform 1 of Exportin-2	IPI00022744,IPI00219994	110,403.90	76	89	IVEDEPNKICEADR	R	V	1,687.80
294	ANP32A Acidic leucine-rich nuclear phosphoprotein 32 family member A	IPI00025849,IPI00449263	28,568.10	76	86	VSGGLEVLAEK	R	C	1,101.62
295	GSTP1 Glutathione S-transferase P	IPI00219757	23,338.70	76	101	TLGLYGKDKQEAALVDMVND GVEDLR	R	C	2,849.40
296	NONO Non-POU domain-containing octamer-binding protein	IPI00304596	54,213.60	76	91	LFVGNLPPDITEEEMR	R	K	1,859.92
297	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	70,881.80	77	88	RFDDAVVQSDMK	R	H	1,410.67
298	RUVBL1 Isoform 1 of RuvB-like 1	IPI00021187	50,211.40	77	90	TALALAIQELGSK	K	V	1,385.80
299	PPIA Peptidyl-prolyl cis-trans isomerase A	IPI00419585,IPI00887678	17,994.90	77	91	SIYGKFEDEFILK	K	H	1,831.91
300	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	78	103	SGPFGQIFRPDNFVFGQSGA GNNWAK	R	G	2,798.34
301	TUBB Tubulin beta chain	IPI00011654	49,652.60	78	103	SGPFGQIFRPDNFVFGQSGA GNNWAK	R	G	2,798.34
302	TUBB4 Tubulin beta-4 chain	IPI00023598	49,567.40	78	103	SGPFGQIFRPDNFVFGQSGA GNNWAK	R	G	2,798.34
303	TUBB2B Tubulin beta-2B chain	IPI00031370	49,935.10	78	103	SGPFGQIFRPDNFVFGQSGA GNNWAK	R	G	2,798.34
304	RPS8 40S ribosomal protein S8	IPI00216587,IPI00645201,IPI00872430	24,188.40	78	92	IIDVVYNASNNELVR	R	T	1,718.91
305	LDHB L-lactate dehydrogenase B chain	IPI00219217	36,620.60	78	91	IVADKDYSVTANSK	K	I	1,510.77
306	UHRF1 ubiquitin-like with PHD and ring finger domains 1 isoform 2	IPI00797279,IPI00797945	91,082.30	78	87	LNDTIQLLVR	R	Q	1,184.70
307	STIP1 Stress-induced-phosphoprotein 1	IPI00013894,IPI00871856	62,624.10	79	87	AAALEFLNR	K	F	1,004.55
308	PTGES3 Prostaglandin E synthase 3	IPI00015029,IPI00789101,IPI00789698,IPI00790462,IPI00908647	18,679.90	79	88	KGESGQSWPR	R	L	1,131.55
309	CDK6 Cell division protein kinase 6	IPI00023529	36,920.80	79	87	LFDVCTVSR	R	T	1,096.55
310	FAR1 cDNA: FLJ22728 fis, clone HSI15617 (Fragment)	IPI00386139,IPI00478838	38,361.30	79	90	IIAINSELTQPK	K	L	1,326.76
311	RAB18 Ras-related protein Rab-18	IPI00014577	22,959.50	80	92	GAQGVLVYDVTR	R	R	1,390.77
312	NSDHL Sterol-4-alpha-carboxylate 3-dehydrogenase, decarboxylating	IPI00019407,IPI00646262	41,882.80	80	88	FFLGLDCSR	R	Q	1,114.54
313	PCNA Proliferating cell nuclear antigen	IPI00021700	28,751.30	80	90	KCAGNEDIITL	L	R	1,233.61
314	SLC25A5 ADP/ATP translocase 2	IPI00007188	32,878.50	81	92	YFPTQALNFAFK	R	D	1,446.74

315	NPM1 Isoform 2 of Nucleophosmin	IPI00220740,IPI00549248	29,446.90	81	101	MSVQPTVSLGGFEITPPVVL R	K	L	2,243.21
316	RPL24 60S ribosomal protein L24	IPI00306332,IPI00791426,IPI00793696,IPI00873403	17,761.50	81	93	AITGASLADIMAK	R	R	1,277.68
317	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	81	92	KLNVTEQEKIDK	K	L	1,444.80
318	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	82	92	GQIFRPDNFVF	F	G	1,339.68
319	TUBB Tubulin beta chain	IPI00011654	49,652.60	82	92	GQIFRPDNFVF	F	G	1,339.68
320	RAB11B Ras-related protein Rab-11B	IPI00020436,IPI00429190,IPI00795676	24,471.00	83	95	GAVGALLVYDIAK	R	H	1,289.75
321	GSTP1 Glutathione S-transferase P	IPI00219757	23,338.70	83	101	DQQE AALVDMVNDGVEDLR	K	C	2,116.98
322	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	83	95	TLTLVDTGIGMTK	R	A	1,349.73
323	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	83	95	TLTLVDTGIGMTK	R	A	1,349.73
324	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	83	95	TLTLVDTGIGMTK	R	A	1,365.73
325	CDC123 Cell division cycle protein 123 homolog	IPI00005670,IPI00514175,IPI00514360	35,847.50	84	93	TLSDIFLLFK	K	S	1,196.69
326	TOP2A Isoform 3 of DNA topoisomerase 2-alpha	IPI00218753,IPI00414101,IPI00478232,IPI00879004	178,700.70	84	96	IFDEILVNAADNK	K	Q	1,461.76
327	TOP2A Isoform 3 of DNA topoisomerase 2-alpha	IPI00218753,IPI00414101,IPI00478232,IPI00879004	178,700.70	84	96	IFDEILVNAADNK	K	Q	1,461.76
328	OLA1 Isoform 1 of Olg-like ATPase 1	IPI00290416,IPI00916410,IPI00916847	44,727.40	84	98	IPAFNLVVDIAGLVK	K	G	1,568.94
329	HNRNPA2B1 43 kDa protein	IPI00874030	43,234.30	84	99	LFIGGLSFETTEESLR	K	N	1,798.92
330	HNRNPA2B1 43 kDa protein	IPI00874030	43,234.30	84	99	LFIGGLSFETTEESLR	K	N	1,798.92
331	HSPA4 Heat shock 70 kDa protein 4	IPI00002966	94,313.90	85	102	SNLAYDIVQLPTGLTG I K	K	V	1,903.05
332	CCT7 T-complex protein 1 subunit eta	IPI00018465	59,349.80	85	106	SQDAEVDGDTTSVTL LAAEFL K	K	Q	2,252.13
333	TUBA1A Tubulin alpha-1A chain	IPI00180675	50,117.70	85	105	QLFHPEQLITGKEDAANN YAR	R	G	2,415.21
334	MTHFD1 C-1-tetrahydrofolate synthase, cytoplasmic	IPI00218342,IPI00794900	101,543.50	85	97	ITSLNEDSTVHGF	Y	L	1,419.68
335	EEF1A1 Elongation factor 1-alpha 1	IPI00396485	50,123.20	85	96	YYVTIADAPGHR	K	D	1,404.73
336	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	86	101	RPDNFVFGQSGAGNNW	F	A	1,765.80
337	TUBB Tubulin beta chain	IPI00011654	49,652.60	86	101	RPDNFVFGQSGAGNNW	F	A	1,765.80
338	RPL17;LOC100133931 60S ribosomal protein L17	IPI00413324,IPI00478208,IPI00514874,IPI00887088	21,379.40	86	96	KSAEFLHMLK	K	N	1,316.74
339	SF3B3 Isoform 1 of Splicing factor 3B subunit 3	IPI00300371	135,561.40	87	96	IVILEYQPSK	R	N	1,189.68
340	DIS3 Isoform 1 of Exosome complex exonuclease RRP44	IPI00746351	108,987.70	87	99	NVIVLQTVLQEV R	R	N	1,510.90
341	PDS5A Isoform 2 of Sister chromatid cohesion protein PDS5 homolog A	IPI00303063,IPI00854642	150,817.50	88	99	LLVACCLADIFR	R	I	1,450.75
342	BAT3 Isoform 1 of Large proline-rich protein BAT3	IPI00465128,IPI00640922,IPI00641333,IPI00641784,IPI00642962,IPI00645431,IPI00894269,IPI00894467	119,389.30	88	118	APPQTHLPSGASSGTGSASA THGGGSPPGTR	R	G	2,785.33
343	UBE2S Ubiquitin-conjugating enzyme E2 S	IPI00217949,IPI00878120	17,102.00	89	103	LLTEIHGGAGGSPSGR	R	A	1,421.75
344	PC Pyruvate carboxylase, mitochondrial	IPI00299402	129,616.70	89	104	GLAPVQAYLHIPDI K	R	V	1,748.01
345	PPIA Peptidyl-prolyl cis-trans isomerase A	IPI00419585,IPI00887678	17,994.90	89	98	ILKHTGPGIL	F	S	1,048.65
346	RARS Isoform Complexed of Arginyl-tRNA synthetase, cytoplasmic	IPI00004860	75,364.00	90	109	AAYPDLENPPLLVTSPQQAK	K	F	2,152.13
347	HIST1H2AH Histone H2A type 1-H	IPI00081836,IPI00216457,IPI00220855,IPI00255316,IPI00291764,IPI00339274,IPI00552873,IPI00902514	13,888.80	90	100	NDEELNKL LK	R	V	1,272.68
348	UBA1 Ubiquitin-like modifier-activating enzyme 1	IPI00645078	117,832.30	90	97	NIILGGVK	K	A	813.5194
349	RPS7 40S ribosomal protein S7	IPI00013415	22,109.50	91	98	HVVFIAQR	K	R	969.5628
350	RUVBL1 Isoform 1 of RuvB-like 1	IPI00021187	50,211.40	91	107	VPFCPMVGSEVYSTEIK	K	K	1,942.93
351	ATIC Bifunctional purine biosynthesis protein PURH	IPI00289499	64,598.50	91	97	LDNFLIR	R	V	890.5095
352	YWHAQ 14-3-3 protein theta	IPI00018146	27,747.40	92	103	SICTTVLELLDK	R	Y	1,391.75
353	YWHAZ 14-3-3 protein zeta/delta	IPI00021263	27,727.90	92	103	DICNDVLSLLEK	R	F	1,418.72
354	DNM1L Isoform 5 of Dynamin-1-like protein	IPI00037283,IPI00146935,IPI00235412,IPI00473085,IPI00555883,IPI00871742	85,362.60	92	101	SSVLESLVGR	K	D	1,046.58
355	FSCN1 Fascin	IPI00163187,IPI00747810	54,512.30	92	101	LIVAHDDGRW	F	S	1,181.61
356	PPIA Peptidyl-prolyl cis-trans isomerase A	IPI00419585,IPI00887678	17,994.90	92	118	HTGPGILSMANAGPNTNGSQ FFICTAK	K	T	2,791.33
357	TKT transketolase isoform 2	IPI00792641	58,965.00	92	103	LDNLVAILDINR	K	L	1,368.78
358	PFAS Phosphoribosylformylglycinamide synthase	IPI00004534	144,645.60	94	109	LNFSTPTSTNIVSVCR	R	A	1,795.90

359	GDI2 cDNA FLJ60299, highly similar to Rab GDP dissociation inhibitor beta	IPI00031461	51,138.50	94	102	MLLYTEVTR	K	Y	1,125.60
360	RPL9 60S ribosomal protein L9	IPI00031691,IPI00795717	21,845.70	94	115	SVYAHFPINNVVIQENGLSVEIR	R	N	2,484.32
361	AK2 Isoform 1 of Adenylate kinase isoenzyme 2, mitochondrial	IPI00215901,IPI00218988	26,461.00	94	103	NGFLLDGFPR	K	T	1,135.59
362	PEBP1 Phosphatidylethanolamine-binding protein 1	IPI00219446	21,038.90	94	113	GNDISSGTVLSDYVGSPPK	K	G	1,949.95
363	YWHAE 14-3-3 protein epsilon	IPI00000816	29,157.00	95	106	LICCDILDVLDK	K	H	1,476.74
364	PABPC1 Isoform 1 of Polyadenylate-binding protein 1	IPI00008524,IPI00410017	70,653.30	96	104	SGVGNIFIK	K	N	934.5357
365	ACTN1 Alpha-actinin-1	IPI00013508,IPI00759776,IPI00909239	103,043.00	96	103	ALDFIASK	K	G	864.4826
366	SRM Spermidine synthase	IPI00292020	33,806.50	96	109	KVLIIGGGDGGVLR	R	E	1,353.82
367	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	96	107	ADLINNLGTIAK	K	S	1,242.71
368	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	96	107	ADLINNLGTIAK	K	S	1,242.71
369	PSAT1 cDNA FLJ56437, highly similar to Phosphoserine aminotransferase	IPI00001734,IPI00219478	45,338.10	97	106	IINNTENLVR	K	E	1,185.66
370	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	97	106	IAVAAQNCYK	K	V	1,137.57
371	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	97	106	IAVAAQNCYK	K	V	1,137.57
372	ATP1B3 Sodium/potassium-transporting ATPase subunit beta-3	IPI00008167	31,495.70	98	112	SDPTS YAGYIEDLKK	R	F	1,686.82
373	EIF5A Isoform 2 of Eukaryotic translation initiation factor 5A-1	IPI00376005,IPI00411704,IPI00855924	20,152.80	98	116	KYEDICPSTHNMDVPNIKR	K	N	2,317.11
374	HNRNPF Heterogeneous nuclear ribonucleoprotein F	IPI00003881	45,653.80	99	114	HSGPNSADSANDGFVR	K	L	1,630.72
375	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	99	114	HTGPNSPDTANDGFVR	K	L	1,684.77
376	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	99	114	HTGPNSPDTANDGFVR	K	L	1,684.77
377	RAB18 Ras-related protein Rab-18	IPI00014577	22,959.50	99	112	LDNWLNELEYCTR	K	N	1,826.84
378	RPL18A 60S ribosomal protein L18a	IPI00026202,IPI00847774,IPI00872093	20,744.60	99	111	DLTTAGAVTQCYR	R	D	1,455.69
379	EEF2 Elongation factor 2	IPI00186290	95,322.10	99	111	LINLIDSPGHVDF	F	S	1,439.75
380	RPS8 40S ribosomal protein S8	IPI00216587,IPI00645201,IPI00872430	24,188.40	99	110	NCIVLIDSTPYR	K	Q	1,450.74
381	RPL12 Isoform 1 of 60S ribosomal protein L12	IPI00024933	17,801.10	100	114	HSGNITFDEIVNIAR	K	Q	1,685.86
382	ANP32A Acidic leucine-rich nuclear phosphoprotein 32 family member A	IPI00025849,IPI00449263	28,568.10	100	110	IKDLSTIEPLK	K	K	1,256.75
383	ANP32E Acidic leucine-rich nuclear phosphoprotein 32 family member E	IPI00165393,IPI00640833	30,675.30	100	113	IKDLSTVEALQNLK	K	N	1,571.90
384	PKM2 cDNA FLJ53368, highly similar to Pyruvate kinase isozymes M1/M2	IPI00847989	49,880.20	100	112	IYVDDGLISLQVK	K	Q	1,462.82
385	HIST1H2AH Histone H2A type 1-H	IPI00081836,IPI00216457,IPI00220855,IPI00255316,IPI00291764,IPI00339274,IPI00552873,IPI00902514	13,888.80	101	119	VTIAQGGVLPNIQAVLLPK	K	K	1,931.17
386	HIST1H2AH Histone H2A type 1-H	IPI00081836,IPI00216457,IPI00220855,IPI00255316,IPI00291764,IPI00339274,IPI00552873,IPI00902514	13,888.80	101	119	VTIAQGGVLPNIQAVLLPK	K	K	1,931.17
387	PCBP2 poly(rC) binding protein 2 isoform b	IPI00012066,IPI00470509,IPI00791223,IPI00796337	38,204.50	102	115	LVPASQCGSLIGK	R	G	1,428.79
388	PCBP2 poly(rC) binding protein 2 isoform b	IPI00012066,IPI00470509,IPI00791223,IPI00796337	38,204.50	102	115	LVPASQCGSLIGK	R	G	1,428.79
389	RFC5 Replication factor C subunit 5	IPI00031514,IPI00373883,IPI00908568	38,480.40	103	112	GPILSFASTR	R	T	1,048.58
390	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	103	112	VQVSYKGETK	K	A	1,138.61
391	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	104	122	GHYTEGAELVDSVLDVVRK	K	E	2,087.08
392	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	104	121	GHYTEGAELVDSVLDVVR	K	K	1,958.98
393	TUBB Tubulin beta chain	IPI00011654	49,652.60	104	122	GHYTEGAELVDSVLDVVRK	K	E	2,087.08
394	TUBB Tubulin beta chain	IPI00011654	49,652.60	104	121	GHYTEGAELVDSVLDVVR	K	K	1,958.98
395	OCIAD1 Isoform 1 of OCIA domain-containing protein 1	IPI00016405,IPI00816371,IPI00816523	27,608.80	104	115	KLENSPLGEALR	K	S	1,326.74
396	PSMA7 Isoform 1 of Proteasome subunit alpha type-7	IPI00024175,IPI00154509,IPI00218372,IPI00219950,IPI00748423	28,512.20	104	117	LTVEDPVTVEYITR	K	F	1,634.86
397	TUBB2B Tubulin beta-2B chain	IPI00031370	49,935.10	104	122	GHYTEGAELVDSVLDVVRK	K	E	2,087.08
398	TUBB2B Tubulin beta-2B chain	IPI00031370	49,935.10	104	121	GHYTEGAELVDSVLDVVR	K	K	1,958.98
399	MCTS1 Isoform 1 of Malignant T cell amplified sequence 1	IPI00179026,IPI00645446,IPI00900380	20,537.90	104	122	FVLSGANIMCPGLTSPGAK	K	L	1,919.97

400	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	106	120	FGANAILGVSLAVCK	K	A	1,519.83
401	NUDC Nuclear migration protein nudC	IPI00550746,IPI00871312	38,225.70	106	114	ELTDEEAER	K	L	1,091.49
402	RAB7A Ras-related protein Rab-7a	IPI00016342	23,472.00	107	120	LIQASPRDPENFFP	F	V	1,630.82
403	PGK1 Phosphoglycerate kinase 1	IPI00169383	44,597.30	107	123	ACANPAAGSVILLENLR	K	F	1,768.94
404	CMPK1 cytidine monophosphate (UMP-CMP) kinase 1. cytosolic isoform a	IPI00219953	25,837.80	107	118	EMDQTMAANAQK	R	N	1,337.58
405	NUP93 Nuclear pore complex protein Nup93	IPI00397904	93,473.20	107	118	DNALLSAIEESR	K	K	1,317.66
406	TP11 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	107	122	VTNGAFTGEISPGMIK	K	D	1,621.83
407	TP11 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	107	122	VTNGAFTGEISPGMIK	K	D	1,621.83
408	PFKP 6-phosphofructokinase type C	IPI00009790	85,579.40	108	117	LKAACNLLQR	R	G	1,186.67
409	G3BP1 Ras GTPase-activating protein-binding protein 1	IPI00012442	52,144.80	108	123	FMQTFVLAPEGSVANK	R	F	1,738.88
410	CDC42 Isoform 2 of Cell division control protein 42 homolog	IPI00016786,IPI00909484	21,240.70	108	120	TPFLLVGTQIDLR	K	D	1,472.85
411	MCM6 DNA replication licensing factor MCM6	IPI00031517	92,872.60	109	120	DFYVAFQDLPTR	K	H	1,471.72
412	DIS3 Isoform 1 of Exosome complex exonuclease RRP44	IPI00746351	108,987.70	109	118	IRDVTNNQEK	R	H	1,216.63
413	PFKP 6-phosphofructokinase type C	IPI00009790	85,579.40	110	117	AACNLLQR	K	G	945.4935
414	ARF1 ADP-ribosylation factor 1	IPI00215914,IPI00215917	20,679.60	110	127	MLAEDELRDVLLVFANK	R	Q	2,047.09
415	BTF3 Isoform 1 of Transcription factor BTF3	IPI00221035,IPI00419473	22,150.30	110	118	TNQGTVIHF	F	N	1,016.52
416	PRDX1 Peroxiredoxin-1	IPI00000874,IPI00640741	22,092.90	111	128	TIAQDYGVLKADEGISFR	R	G	1,983.02
417	PREP Prolyl endopeptidase	IPI00008164	80,683.50	112	128	VFLDPNLSDDGTVALR	R	G	1,844.98
418	CCT7 T-complex protein 1 subunit eta	IPI00018465	59,349.80	112	125	VEEGLHPQIIIRAF	Y	R	1,621.91
419	TIMM23 Mitochondrial import inner membrane translocase subunit Tim23	IPI00007309	21,926.20	113	122	NVQILNMVTR	R	Q	1,187.66
420	DRG1 Developmentally-regulated GTP-binding protein 1	IPI00031836,IPI00877819	40,525.80	113	126	IQLLDLPGIIEGAK	K	D	1,479.88
421	PABPC1 Isoform 1 of Polyadenylate-binding protein 1	IPI00008524,IPI00410017	70,653.30	114	129	ALYDTFSAFGNILSCK	K	V	1,806.87
422	RAB7A Ras-related protein Rab-7a	IPI00016342	23,472.00	114	126	DPENFFPVVLGNK	R	I	1,475.75
423	ACTN4 Alpha-actinin-4	IPI00013808	104,839.20	115	122	ALDFIASK	K	G	864.4826
424	IARS Isoleucyl-tRNA synthetase, cytoplasmic	IPI00644127,IPI00877938	144,944.40	115	125	MGITEYNNQCR	K	A	1,385.59
425	TSN Translin	IPI00018768,IPI00917623	26,165.40	117	131	EAVTEILGIEPDREK	R	G	1,698.89
426	ANP32A Acidic leucine-rich nuclear phosphoprotein 32 family member A	IPI00025849,IPI00449263	28,568.10	117	132	SLDLFNCEVTNLNDYR	K	E	1,972.91
427	HN1L Isoform 1 of Hematological and neurological expressed 1-like protein	IPI00027397,IPI00607884,IPI00909195	20,045.60	117	127	LCEGEEPKSDL	F	K	1,276.57
428	AARS Alanyl-tRNA synthetase, cytoplasmic	IPI00027442,IPI00910701	106,795.20	117	132	MALELLTQEFGIPIER	K	L	1,859.99
429	ZNF326 Isoform 1 of Zinc finger protein 326	IPI00373877,IPI00872597	65,635.50	117	125	NSLDSFGGR	R	N	952.4483
430	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	117	130	AVCKAGAVEKGVPL	L	Y	1,398.78
431	PFKP 6-phosphofructokinase type C	IPI00009790	85,579.40	118	138	GITNLCVIGGDGSLTGANLFR	R	K	2,135.09
432	RPL23A;hCG_16001 60S ribosomal protein L23a	IPI00021266	17,678.20	118	127	DIDVAKVNTL	Y	I	1,087.60
433	GRB2 Isoform 1 of Growth factor receptor-bound protein 2	IPI00021327,IPI00792746	25,188.80	118	124	YFLWVVK	K	F	954.5447
434	GNB2L1 38 kDa protein	IPI00641950,IPI00848226	37,740.10	118	128	LWDLTTGTTR	R	R	1,264.65
435	PAFAH1B3 Platelet-activating factor acetylhydrolase IB subunit gamma	IPI00014808	25,715.60	119	127	AIVQLVNER	K	Q	1,041.61
436	ST13 Hsc70-interacting protein	IPI00032826	41,314.40	119	132	VAAIEALNDGELQK	K	A	1,470.78
437	BTF3 Isoform 1 of Transcription factor BTF3	IPI00221035,IPI00419473	22,150.30	119	132	NNPKVQASLAANTF	F	T	1,474.76
438	NCAPD2 Condensin complex subunit 1	IPI00299524	157,155.30	119	126	MNCYALIR	K	L	1,040.50
439	SURF4 Isoform 1 of Surfeit locus protein 4	IPI00005737,IPI00399142,IPI00641719	30,377.40	120	135	NLALGGGLLLLLAESR	R	S	1,609.96
440	NONO Non-POU domain-containing octamer-binding protein	IPI00304596	54,213.60	120	135	TLAEIAKVELDNMPLR	R	G	1,812.99
441	PRDX1 Peroxiredoxin-1	IPI00000874,IPI00640741	22,092.90	121	128	ADEGISFR	K	G	894.4316
442	NOP5/NOP58 Nucleolar protein 5	IPI00006379	59,562.20	121	133	SQMDGLIPGVEPR	R	E	1,398.70
443	ATP6V1A V-type proton ATPase catalytic subunit A	IPI00007682	68,287.40	121	129	GVNVSALS	R	D	902.5053

444	RPS7 40S ribosomal protein S7	IPI00013415	22,109.50	121	143	TLTAVHDAILEDLVFPSEIVGK R	I	2,523.38
445	RPS7 40S ribosomal protein S7	IPI00013415	22,109.50	121	142	TLTAVHDAILEDLVFPSEIVGK R	R	2,367.28
446	GSTP1 Glutathione S-transferase P	IPI00219757	23,338.70	122	141	ALPGQLKPFETLLSQNQGGK K	T	2,126.16
447	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	123	154	EAESCDCLQGFQLTHSLGGG K	I	3,311.53
448	TUBB Tubulin beta chain	IPI00011654	49,652.60	123	154	TGSGMGTLTLLISK EAESCDCLQGFQLTHSLGGG K	I	3,311.53
449	TUBB4 Tubulin beta-4 chain	IPI00023598	49,567.40	123	154	TGSGMGTLTLLISK EAESCDCLQGFQLTHSLGGG K	I	3,311.53
450	GDI2 cDNA FLJ60299, highly similar to Rab GDP dissociation inhibitor beta	IPI00031461	51,138.50	123	141	TGSGMGTLTLLISK VPSTEAEALASSLMGLFEK K	R	1,980.00
451	MCTS1 Isoform 1 of Malignant T cell amplified sequence 1	IPI00179026,IPI00645446,IPI00900380	20,537.90	123	139	LYPAAVDTVAIMAEGK K	Q	1,761.95
452	PTBP1 polypyrimidine tract-binding protein 1 isoform a	IPI00183626,IPI00334175	59,616.40	123	134	GQPIYIQFSNHK R	E	1,431.74
453	BTF3 Isoform 1 of Transcription factor BTF3	IPI00221035,IPI00419473	22,150.30	123	141	VQASLAANTFTITGHAETK K	Q	1,960.01
454	TP11 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	123	136	DCGATWVVLGHSER K	R	1,586.74
455	TP11 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	123	136	DCGATWVVLGHSER K	R	1,586.74
456	STIP1 Stress-induced-phosphoprotein 1	IPI00013894,IPI00871856	62,624.10	124	136	FMNPFNMPNLYQK K	L	1,643.77
457	IRS4 Insulin receptor substrate 4	IPI00020729	133,751.30	124	146	AAAAAAAAAASGAAIPLIPPR R	V	2,055.18
458	TCEA1 Isoform 1 of Transcription elongation factor A protein 1	IPI00333215	33,952.60	124	132	DTYVSSFPR R	A	1,071.51
459	GNL3 Isoform 2 of Guanine nucleotide-binding protein-like 3	IPI00003886,IPI00306380,IPI00896526	60,527.60	125	139	VIEASDVVLEVLDR K	D	1,627.89
460	PCBP2 poly(rC) binding protein 2 isoform b	IPI00012066,IPI00470509,IPI00791223,IPI00796337	38,204.50	125	144	ESTGAQVQVAGDMLPNSTER R	A	2,089.98
461	PCBP2 poly(rC) binding protein 2 isoform b	IPI00012066,IPI00470509,IPI00791223,IPI00796337	38,204.50	125	144	ESTGAQVQVAGDMLPNSTER R	A	2,089.98
462	PCBP1 Poly(rC)-binding protein 1	IPI00016610	37,480.20	125	144	ESTGAQVQVAGDMLPNSTER R	A	2,089.98
463	TUBA4B Putative tubulin-like protein alpha-4B	IPI00017454	27,533.90	125	141	NSILTHTTLEHSDCAF Y	M	1,946.89
464	GRB2 Isoform 1 of Growth factor receptor-bound protein 2	IPI00021327,IPI00792746	25,188.80	125	136	FNSLNELVDYHR K	S	1,506.73
465	PC Pyruvate carboxylase, mitochondrial	IPI00299402	129,616.70	125	137	ADFAQACQDAGVR R	F	1,408.63
466	ACTN4 Alpha-actinin-4	IPI00013808	104,839.20	126	140	LVSIGAEIIVDGNK K	M	1,514.81
467	CUGBP1 Isoform 1 of CUG-BP- and ETR-3-like factor 1	IPI00034015,IPI00218388,IPI00218389,IPI00853009	52,046.00	126	138	VMFSSFGQIEECR R	I	1,589.71
468	MDH1 Malate dehydrogenase, cytoplasmic	IPI00291005,IPI00915869	36,408.90	126	142	VIVVGNPANTNCLTASK K	S	1,757.92
469	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	70,881.80	127	137	MKEIAEAYLGK K	T	1,252.66
470	NAT13 Isoform 1 of N-acetyltransferase 13	IPI00018627	19,380.90	127	135	FGFEIETK K	K	1,083.57
471	NAT13 Isoform 1 of N-acetyltransferase 13	IPI00018627	19,380.90	127	136	FGFEIETKK K	N	1,211.67
472	BUB3 budding uninhibited by benzimidazoles 3 isoform b	IPI00514701	36,936.50	127	139	TPCNAGTFSQPEK R	V	1,436.65
473	BUB3 budding uninhibited by benzimidazoles 3 isoform b	IPI00514701	36,936.50	127	139	TPCNAGTFSQPEK R	V	1,436.65
474	YWHAQ 14-3-3 protein theta	IPI00018146	27,747.40	128	138	YLAEVACGDDR R	K	1,268.56
475	YWHAQ 14-3-3 protein theta	IPI00018146	27,747.40	128	139	YLAEVACGDDRK R	Q	1,396.65
476	YWHAZ 14-3-3 protein zeta/delta	IPI00021263	27,727.90	128	139	YLAEVAAGDDKK R	G	1,279.65
477	RPL7 60S ribosomal protein L7	IPI00030179,IPI00472171,IPI00871827,IPI00872387	29,209.70	128	134	ASINMLR K	I	804.4396
478	PRDX1 Peroxiredoxin-1	IPI00000874,IPI00640741	22,092.90	129	136	GLFIIDDK R	G	920.509
479	STAG2 stromal antigen 2 isoform a	IPI00470883,IPI00552978,IPI00872562,IPI00902944	145,738.60	129	137	GVVTAEMFR K	H	1,009.51
480	PFKM Isoform 2 of 6-phosphofructokinase, muscle type	IPI00219585,IPI00465179,IPI00743142	81,758.50	130	141	SEWSDLLSDLQK R	A	1,420.70
481	SNRNP200 Isoform 1 of U5 small nuclear ribonucleoprotein 200 kDa helicase	IPI00420014	244,495.80	130	144	DILCGAADEVLAFLK R	N	1,586.85
482	COPG2 Coatomer subunit gamma-2	IPI00002557	97,606.50	131	142	ITDGTMLQAIE R	Y	1,347.69

483	RPL12 Isoform 1 of 60S ribosomal protein L12	IPI00024933	17,801.10	131	146	EILGTAQSVGCNV DGR	K	H	1,675.81
484	HNRNPA1 Isoform A1-B of Heterogeneous nuclear ribonucleoprotein A1	IPI00215965,IPI00465365	38,828.10	131	140	IEVIEIMTDR	K	G	1,218.64
485	SFRS6 Isoform SRP55-1 of Splicing factor, arginine/serine-rich 6	IPI00012345,IPI00215879,IPI00556297	39,570.40	132	145	QAGEVTYADAHKER	R	T	1,574.76
486	TCP1 T-complex protein 1 subunit alpha	IPI00290566	60,327.20	132	148	INENLIVNTDELGRDCL	Y	I	1,987.98
487	PPIA Peptidyl-prolyl cis-trans isomerase A	IPI00419585,IPI00887678	17,994.90	132	144	VKEGMNIVEAMER	K	F	1,505.75
488	CCT5 T-complex protein 1 subunit epsilon	IPI00010720,IPI00910316	59,654.30	133	142	IADGYEQAAR	R	V	1,093.53
489	PAFAH1B3 Platelet-activating factor acetylhydrolase IB subunit gamma	IPI00014808	25,715.60	133	141	VVVLGLLPR	R	G	965.6507
490	DDX17 DEAD box polypeptide 17 isoform 1	IPI00023785,IPI00651653	80,256.00	133	143	NFYVEHPEVAR	K	L	1,360.66
491	PPIA Peptidyl-prolyl cis-trans isomerase A	IPI00419585,IPI00887678	17,994.90	134	144	EGMNIVEAMER	K	F	1,278.58
492	PTRH2 Peptidyl-tRNA hydrolase 2, mitochondrial	IPI00032903,IPI00555597	19,175.70	135	148	MLGLTVSLIQDAGR	K	T	1,473.81
493	EEF1A1 Elongation factor 1-alpha 1	IPI00396485	50,123.20	135	146	EHALLAYTLGVK	R	Q	1,314.74
494	TPT1 Tumor protein, translationally-controlled 1	IPI00009943,IPI00550900,IPI00908553	21,508.50	136	149	IGENMNP DGMVALL	F	D	1,473.71
495	ARL2BP Isoform 1 of ADP-ribosylation factor-like protein 2-binding protein	IPI00015866,IPI00845377	18,805.20	136	150	GLDLSSGLVVTSLCK	R	S	1,548.83
496	GNPNAT1 Glucosamine 6-phosphate N-acetyltransferase	IPI00061525	20,731.30	136	146	LLLSTLTLLSK	K	K	1,201.78
497	PLS3 plastin 3	IPI00216694	70,795.90	136	144	ALENDPDCR	K	H	1,089.46
498	UBE2S Ubiquitin-conjugating enzyme E2 S	IPI00217949,IPI00878120	23,828.40	136	147	LLLENYEEYAAR	R	A	1,483.74
499	GNB2L1 38 kDa protein	IPI00641950,IPI00848226	37,740.10	136	147	DVLSVAFSSDNR	K	Q	1,309.64
500	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	138	150	HVFGESDELIGQK	R	V	1,458.72
501	RPS10 40S ribosomal protein S10	IPI00008438,IPI00749512	18,880.30	139	153	KAEAGAGSATEFQFR	K	G	1,569.77
502	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IPI00290770,IPI00553185	60,446.30	139	162	ISIPVDISDSMMLNIINSSITT	K	A	2,607.33
503	PFKP 6-phosphofructokinase type C	IPI00009790	85,579.40	140	150	EWSQLLEELAR	K	N	1,302.67
504	YWHAZ 14-3-3 protein zeta/delta	IPI00021263	27,727.90	140	157	GIVDQSQQAYQEAFEISK	K	K	2,040.99
505	RPL23A;hCG_16001 60S ribosomal protein L23a	IPI00021266	17,678.20	140	152	LAPDYDALDVANK	R	I	1,404.70
506	HNRNPK Isoform 1 of Heterogeneous nuclear ribonucleoprotein K	IPI00216049,IPI00216746,IPI00514561,IPI00807545,IPI00910458	50,960.50	140	148	GSDFDCELR	K	L	1,098.45
507	UFD1L Isoform Short of Ubiquitin fusion degradation protein 1 homolog	IPI00218292,IPI00654779,IPI00655754,IPI00873326	34,483.20	140	147	AVLENALR	K	N	885.5152
508	BUB3 budding uninhibited by benzimidazoles 3 isoform b	IPI00514701	36,936.50	140	149	VYTLVSVSGDR	K	L	1,096.56
509	HNRNPU cDNA FLJ44920 fis, clone BRAMY3011501, highly similar to Heterogeneous nuclear ribonucleoprotein U	IPI00640106,IPI00644079	83,067.80	140	163	KAEGGGGGGRPGAPAAGDG	K	G	2,153.07
510	PRDX1 Peroxiredoxin-1	IPI00000874,IPI00640741	22,092.90	141	151	QITVNDLPVGR	R	S	1,211.67
511	NAT13 Isoform 1 of N-acetyltransferase 13	IPI00018627	19,380.90	141	152	RIEPADAHVLQK	K	N	1,376.76
512	YWHAE 14-3-3 protein epsilon	IPI00000816	29,157.00	142	153	KEAAENSLVAYK	R	A	1,322.70
513	SLC25A6 ADP/ATP translocase 3	IPI00291467	32,849.10	142	154	AADVKGSGTEREF	L	R	1,366.66
514	NONO Non-POU domain-containing octamer-binding protein	IPI00304596	54,213.60	143	153	FACHSASLTVR	R	N	1,248.62
515	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	143	151	AFQAEIAQL	F	M	990.5255
516	SMC3 Structural maintenance of chromosomes protein 3	IPI00219420	141,529.10	144	155	INQMATAPDSQR	K	L	1,331.64
517	PCNA Proliferating cell nuclear antigen	IPI00021700	28,751.30	145	169	ARICRDLSHIGDAVVISCAKDG	F	S	2,787.44
518	CLTC Isoform 1 of Clathrin heavy chain 1	IPI00024067,IPI00455383	191,600.90	145	157	VKF HSSLAGCQIINYR	R	T	1,518.75
519	RPS5 40S ribosomal protein S5	IPI00008433	22,859.00	146	159	RVNQAIWLLCTGAR	R	E	1,657.90
520	TFRC Transferrin receptor protein 1	IPI00022462	84,855.60	146	155	LLNENSYVPR	K	E	1,204.63
521	EIF4EBP3;ANKHD1-EIF4EBP3 ANKHD1-EIF4EBP3 protein	IPI00217442,IPI00797397,IPI00798060,IPI00867587	277,154.80	146	157	LEALLEAAGIGK	R	L	1,184.69
522	GAPDH Glyceraldehyde-3-phosphate dehydrogenase	IPI00219018,IPI00795257	36,035.30	146	162	IISNASCTTNCLAPLAK	K	V	1,833.92
523	ILF2 Interleukin enhancer-binding factor 2	IPI00005198	43,044.70	147	155	RAQDPSEVL	L	T	1,014.52

524	RPS5 40S ribosomal protein S5	IPI00008433	22,859.00	147	159	VNQAIWLLCTGAR	R	E	1,501.79
525	RAB7A Ras-related protein Rab-7a	IPI00016342	23,472.00	147	157	NNIPYFETSAK	K	E	1,283.63
526	HN1L Isoform 1 of Hematological and neurological expressed 1-like protein	IPI00027397,IPI00607884,IPI00909195	20,045.60	147	166	KAGPAKEQEPMPVDSHEPR	R	L	2,204.08
527	PTBP1 polypyrimidine tract-binding protein 1 isoform a	IPI00183626,IPI00334175	59,616.40	147	185	AQAALQAVNSVQSGNLALAA SAAAVDAGMAMAGQSPVLR	R	I	3,680.88
528	ILF2 Interleukin enhancer-binding factor 2	IPI00005198	43,044.70	148	174	AQDPSEVLTLMLNETGFEISS SDATVK	R	I	2,870.36
529	RPL14 Ribosomal protein L14 variant	IPI00555744	23,769.70	148	165	GTAAAAAAAAAAAAAAAAAK	K	V	1,370.74
530	PTRH2 Peptidyl-tRNA hydrolase 2, mitochondrial	IPI00032903,IPI00555597	19,175.70	149	177	TQIAPGSQTVLIGIGPGPADLID KVTGHLK	R	L	2,883.59
531	CUGBP1 Isoform 1 of CUG-BP- and ETR-3-like factor 1	IPI00034015,IPI00218388,IPI00218389,IPI00853009	52,046.00	149	158	GCAFVTFTR	R	A	1,159.56
532	RRBP1 Isoform 3 of Ribosome-binding protein 1	IPI00215743,IPI00220967,IPI00744135,IPI00856098	165,696.10	149	166	VEPAVSSVVNSIQVLTSK	K	A	1,857.03
533	RAP1B Ras-related protein Rap-1b	IPI00015148,IPI00908754,IPI00910592	20,806.90	150	163	SKINVNEIFYDLVR	K	Q	1,709.92
534	CDC2 Putative uncharacterized protein DKFZp686L2022	IPI00026689	34,762.10	150	157	LADFLGAR	K	A	862.4782
535	UBE2S Ubiquitin-conjugating enzyme E2 S	IPI00217949,IPI00878120	23,828.40	150	164	LLTEIHGGAGGPGSGR	R	A	1,421.75
536	QPRT Nicotinate-nucleotide pyrophosphorylase [carboxylatinal]	IPI00300086,IPI00853023,IPI00872692	30,797.30	150	161	YGLLVGGAASHR	K	Y	1,200.65
537	JUP Junction plakoglobin	IPI00554711	81,727.90	150	161	LLNDEDPVVVTK	K	A	1,341.73
538	UHRF1 ubiquitin-like with PHD and ring finger domains 1 isoform 2	IPI00797279,IPI00797945	91,082.30	150	157	VNEYVDAR	K	D	965.4686
539	HNRNPF Heterogeneous nuclear ribonucleoprotein F	IPI00003881	45,653.80	151	167	ITGEAFVQFASQEIAEK	K	A	1,867.94
540	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	151	167	STGEAFVQFASQEIAEK	R	A	1,841.89
541	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	151	167	STGEAFVQFASQEIAEK	R	A	1,841.89
542	GDI2 cDNA FLJ60299, highly similar to Rab GDP dissociation inhibitor beta	IPI00031461	51,138.50	151	162	VANFDEKDPRTF	Y	E	1,438.70
543	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	151	172	VAHALAEGLGVIACIGEKLDE R	K	E	2,321.23
544	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	151	168	VAHALAEGLGVIACIGEK	K	L	1,807.97
545	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	151	168	VAHALAEGLGVIACIGEK	K	L	1,807.97
546	RCC1 regulator of chromosome condensation 1 isoform a	IPI00001661,IPI00747309,IPI00787306	48,126.30	152	170	VVQVSAGDSHTAALDDGR	K	V	1,898.92
547	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	152	167	ISKIREEYPDRIMNTF	L	S	2,012.03
548	TUBB Tubulin beta chain	IPI00011654	49,652.60	152	167	ISKIREEYPDRIMNTF	L	S	2,012.03
549	RAP1B Ras-related protein Rap-1b	IPI00015148,IPI00908754,IPI00910592	20,806.90	152	163	INVNEIFYDLVR	K	Q	1,494.80
550	BTF3 Isoform 1 of Transcription factor BTF3	IPI00221035,IPI00419473	22,150.30	152	162	NQLGADSLTSL	L	R	1,118.57
551	HNRNPA3 Isoform 1 of Heterogeneous nuclear ribonucleoprotein A3	IPI00419373	39,577.10	152	161	IETIEVMEDR	K	Q	1,234.60
552	HNRNPA3 Isoform 1 of Heterogeneous nuclear ribonucleoprotein A3	IPI00419373	39,577.10	152	161	IETIEVMEDR	K	Q	1,234.60
553	ACACA Isoform 1 of Acetyl-CoA carboxylase 1	IPI00011569	265,538.40	153	163	FVVMVTPEDLK	R	A	1,277.68
554	ACACA Isoform 1 of Acetyl-CoA carboxylase 1	IPI00011569	265,538.40	153	163	FVVMVTPEDLK	R	A	1,277.68
555	NAT13 Isoform 1 of N-acetyltransferase 13	IPI00018627	19,380.90	153	169	NLKVPSGQNADVQKTDN	K	-	1,827.92
556	YWHAE 14-3-3 protein epsilon	IPI00000816	29,157.00	154	170	AASDIAMTELPPTHPIR	K	L	1,819.94
557	RAB1B Ras-related protein Rab-1B	IPI00008964,IPI00871366	22,154.00	154	170	NATNVEQAFMTMAAEIK	K	K	1,868.89
558	STIP1 Stress-induced-phosphoprotein 1	IPI00013894,IPI00871856	62,624.10	154	160	ELIEQLR	R	N	900.515
559	RAB18 Ras-related protein Rab-18	IPI00014577	22,959.50	154	168	TCDGVQCAFEELVEK	K	I	1,784.78
560	CDC42 Isoform 2 of Cell division control protein 42 homolog	IPI00016786,IPI00909484	21,240.70	154	163	YVECSALTQK	K	G	1,198.58
561	COPB1 Coatomer subunit beta	IPI00295851	107,128.00	154	164	NAVLAITYIYR	R	N	1,296.73
562	ALDOA Fructose-bisphosphate aldolase A	IPI00465439,IPI00796333	39,402.60	154	173	IGEHTPSALAIMENANVLAR	K	Y	2,107.10
563	CDC42 Isoform 2 of Cell division control protein 42 homolog	IPI00016786,IPI00909484	21,240.70	155	165	VECSALTQKGL	Y	K	1,205.62

564	AK1 Adenylate kinase isoenzyme 1	IPI00018342,IPI00640817	21,617.10	155	164	KATEPVIAFY	Y	E	1,138.61
565	NAT13 Isoform 1 of N-acetyltransferase 13	IPI00018627	19,380.90	155	169	KVPSGQNADVQKTDN	L	-	1,600.79
566	HSPH1 Isoform Beta of Heat shock protein 105 kDa	IPI00218993,IPI00513743,IPI00514983,IPI00910755	92,099.00	155	169	SVLDAAQIVGLNCLR	R	L	1,628.88
567	EEF1A1 Elongation factor 1-alpha 1	IPI00396485	50,123.20	155	165	MDSTPEPPYSQK	K	R	1,282.56
568	PPIA Peptidyl-prolyl cis-trans isomerase A	IPI00419585,IPI00887678	17,994.90	155	165	KITIADCGQLE	K	-	1,247.63
569	HSD17B12 Estradiol 17-beta-dehydrogenase 12	IPI00007676	34,307.40	157	167	MININILSVCK	K	M	1,304.71
570	CKB Creatine kinase B-type	IPI00022977,IPI00908811	42,627.10	157	172	LAVEALSSLDGDLAGR	K	Y	1,586.84
571	PTPN1 Tyrosine-protein phosphatase non-receptor type 1	IPI00297261	49,949.70	157	169	QLELENLTTQETR	R	E	1,574.80
572	PARK7 Protein DJ-1	IPI00298547	19,873.10	157	182	GPGTSFEFALAIVEALNGKEV AAQVK	R	A	2,646.41
573	RAB7A Ras-related protein Rab-7a	IPI00016342	23,472.00	158	171	EAINVEQAFQTIAR	K	N	1,589.83
574	PLS3 plastin 3	IPI00216694	70,795.90	158	166	KAVGDGIVL	F	C	871.5249
575	YWHAQ 14-3-3 protein theta	IPI00018146	27,747.40	159	167	EMQPTHPIR	K	L	1,108.56
576	YWHAZ 14-3-3 protein zeta/delta	IPI00021263	27,727.90	159	167	EMQPTHPIR	K	L	1,108.56
577	PLS3 plastin 3	IPI00216694	70,795.90	159	168	AVGDGIVLCK	K	M	1,031.56
578	LDHB L-lactate dehydrogenase B chain	IPI00219217	36,620.60	159	170	VIGSGCNLDSAR	R	F	1,248.60
579	PEBP1 Phosphatidylethanolamine-binding protein 1	IPI00219446	21,038.90	159	169	ELRAPVAGTCY	Y	Q	1,236.60
580	NUDC Nuclear migration protein nudC	IPI00550746,IPI00871312	38,225.70	159	173	LKPNLNGADLPNYR	K	W	1,641.87
581	HNRNPF Heterogeneous nuclear ribonucleoprotein F	IPI00003881	45,653.80	160	169	ASQELAEKAL	F	G	1,059.57
582	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	160	169	ASQEIAEKAL	F	K	1,059.57
583	FAM62A Isoform 1 of Extended synaptotagmin-1	IPI00022143,IPI00746655,IPI00902463	122,841.10	160	170	LLAETVAPAVR	K	G	1,139.68
584	DRG1 Developmentally-regulated GTP-binding protein 1	IPI00031836,IPI00877819	40,525.80	160	171	IIENELEGFGIR	K	L	1,389.74
585	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	160	171	DAGVIAGLNVLR	K	I	1,197.70
586	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	160	171	DAGVIAGLNVLR	K	I	1,197.70
587	PSMD10 26S proteasome non-ATPase regulatory subunit 10	IPI00003565,IPI00027699,IPI00552190	24,410.20	161	176	YKASTNIQDTEGNTPL	Y	H	1,751.84
588	ADD1 Isoform 1 of Alpha-adducin	IPI00019901,IPI00220158,IPI00253279,IPI00376220,IPI00794741	45,931.60	161	178	TLASAGGPDNLVLLNPEK	R	Y	1,808.98
589	CDK6 Cell division protein kinase 6	IPI00023529	36,920.80	161	168	LADFLGAR	K	I	862.4782
590	YWHAB Isoform Long of 14-3-3 protein beta/alpha	IPI00216318,IPI00759832	28,065.10	161	169	EMQPTHPIR	K	L	1,108.56
591	COPA Isoform 1 of Coatamer subunit alpha	IPI00295857,IPI00646493	138,331.30	161	168	VWDISGLR	R	K	945.5153
592	PSMD10 26S proteasome non-ATPase regulatory subunit 10	IPI00003565,IPI00027699,IPI00552190	24,410.20	162	176	KASTNIQDTEGNTPL	Y	H	1,588.78
593	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	163	174	IMNTFSVVPSPK	R	V	1,335.70
594	TUBB Tubulin beta chain	IPI00011654	49,652.60	163	174	IMNTFSVVPSPK	R	V	1,319.70
595	TUBB Tubulin beta chain	IPI00011654	49,652.60	163	174	IMNTFSVVPSPK	R	V	1,319.70
596	TUBB Tubulin beta chain	IPI00011654	49,652.60	163	174	IMNTFSVVPSPK	R	V	1,335.70
597	TUBB4 Tubulin beta-4 chain	IPI00023598	49,567.40	163	174	IMNTFSVVPSPK	R	V	1,335.70
598	TUBB2B Tubulin beta-2B chain	IPI00031370	49,935.10	163	174	IMNTFSVMPSPK	R	V	1,351.67
599	IPO4 Isoform 1 of Importin-4	IPI00156374,IPI00398009	118,700.70	163	182	LLNETLGEVGSPPGLLFYSLR	R	T	2,178.18
600	EEF2 Elongation factor 2	IPI00186290	95,322.10	163	180	ALLELQLEPEELYQTFQR	R	I	2,220.15
601	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	163	179	LAMQEFMILPVGAAANFR	K	E	1,923.98
602	ACACA Isoform 1 of Acetyl-CoA carboxylase 1	IPI00011569	265,538.40	164	170	ANAAYIK	K	M	808.4199
603	EEF1B2 Elongation factor 1-beta	IPI00178440	24,746.20	164	176	SIQADGLVWGSSK	R	L	1,347.69
604	CDC42 Isoform 2 of Cell division control protein 42 homolog	IPI00016786,IPI00909484	21,240.70	166	174	KNVFDEAIL	L	A	1,048.57
605	PSMD1 Isoform 1 of 26S proteasome non-ATPase regulatory subunit 1	IPI00299608,IPI00456695	105,821.20	166	182	TILESDNVPGLMAYSLK	K	L	1,850.96
606	CDC42 Isoform 2 of Cell division control protein 42 homolog	IPI00016786,IPI00909484	21,240.70	167	183	NVFDEAILAALPEPEPK	K	K	1,852.97

607	CDC2 Putative uncharacterized protein DKFZp686L20222	IPI00026689	34,762.10	167	174	THEVVTWLW	Y	Y	984.5149
608	RPL7 60S ribosomal protein L7	IPI00030179,IPI00472171,IPI00871827,IPI00872387	29,209.70	167	177	IALTDNALIAR	R	S	1,170.68
609	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IPI00290770,IPI00553185	60,446.30	167	180	WSSLACNIALDAVK	R	M	1,547.79
610	EEF1A1 Elongation factor 1-alpha 1	IPI00396485	50,123.20	167	172	YEEIVK	R	E	780.4138
611	RPS5 40S ribosomal protein S5	IPI00008433	22,859.00	168	182	TIAECLADELINA AK	K	G	1,631.83
612	NAPA Alpha-soluble NSF attachment protein	IPI00009253	33,216.10	168	180	VAGYAAALLEQYQK	K	A	1,453.77
613	NUDT4;NUDT4P1 Isoform 2 of Diphosphoinositol polyphosphate phosphohydrolase 2	IPI00021408,IPI00396090,IPI00607685	20,416.00	168	181	VTAAQTSGLPSSVR	F	-	1,373.74
614	RNASEH2A Ribonuclease H2 subunit A	IPI00290192	33,377.00	168	183	ADALYPVVSAA S ICAK	K	V	1,635.84
615	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	168	183	NVLR IINEPTAAAIAY	L	G	1,728.96
616	RAB18 Ras-related protein Rab-18	IPI00014577	22,959.50	169	183	IIQTPGLWESENQNK	K	G	1,756.89
617	PCNA Proliferating cell nuclear antigen	IPI00021700	28,751.30	169	181	FSASGELGNGNIK	K	L	1,293.64
618	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	169	182	ELISNSSDALDKIR	R	Y	1,560.82
619	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	169	178	MILPVGAAANF	F	R	1,032.55
620	ISYNA1 cDNA FLJ34860 fis, clone NT2NE2012790, highly similar to Homo sapiens myo-inositol 1- phosphate synthase A1 (ISYNA1), mRNA	IPI00478861,IPI00549569,IPI00640098,IPI00644161,IPI00645069	55,118.10	169	179	VIVLWTANTER	K	F	1,301.72
621	GNB2L1 38 kDa protein	IPI00641950,IPI00848226	37,740.10	169	184	YTVQDESHSEWVSCVR	K	F	1,981.87
622	CACYBP Isoform 1 of Calcyclin-binding protein	IPI00395627,IPI00552308	23,144.80	170	181	KIYEDGDDDMKR	K	T	1,484.67
623	PSMB2 Proteasome subunit beta type-2	IPI00028006	22,819.50	171	181	FILNLPTFSVR	R	I	1,306.75
624	RPS8 40S ribosomal protein S8	IPI00216587,IPI00645201,IPI00872430	24,188.40	171	184	LLACIASRPGQCGR	K	A	1,558.79
625	CACYBP Isoform 1 of Calcyclin-binding protein	IPI00395627,IPI00552308	23,144.80	171	181	IYEDGDDDMKR	K	T	1,356.57
626	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	70,881.80	172	187	IINEPTAAAIAYGLDK	R	K	1,659.90
627	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	70,881.80	172	188	IINEPTAAAIAYGLDKK	R	V	1,787.99
628	HNRNPA0 Heterogeneous nuclear ribonucleoprotein A0	IPI00011913	30,822.50	172	189	KAVPKEDIYSGGGGGGSR	K	S	1,734.88
629	DDX5 Probable ATP-dependent RNA helicase DDX5	IPI00017617	69,131.70	172	190	VLAPTRELAQQVQQVAEY	L	C	2,114.12
630	RUVBL1 Isoform 1 of RuvB-like 1	IPI00021187	50,211.40	172	182	LDPSIFESLQK	K	E	1,276.68
631	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	172	187	IINEPTAAAIAYGLDR	R	T	1,687.90
632	RAB1B Ras-related protein Rab-1B	IPI00008964,IPI00871366	22,154.00	173	187	MGPGAASGGGERPNLK	R	I	1,441.72
633	HNRNPA0 Heterogeneous nuclear ribonucleoprotein A0	IPI00011913	30,822.50	173	189	AVPKEDIYSGGGGGGSR	K	S	1,606.78
634	USO1 Putative uncharacterized protein DKFZp451D234	IPI00031583	109,171.10	175	183	LMDLLADSR	R	E	1,033.53
635	RPL9 60S ribosomal protein L9	IPI00031691,IPI00795717	21,845.70	175	184	FLDGIYVSEK	K	G	1,170.60
636	KIF20B Isoform 1 of M-phase phosphoprotein 1	IPI00044751,IPI00412862,IPI00827503	210,671.10	175	186	TLNVLFDSLQER	R	L	1,434.76
637	EIF4EBP3;ANKHD1-EIF4EBP3 ANKHD1- EIF4EBP3 protein	IPI00217442,IPI00797397,IPI00798060,IPI00867587	277,154.80	175	192	LTSSVSCALDEAAAAALTR	R	M	1,835.92
638	UBA1 Ubiquitin-like modifier-activating enzyme 1	IPI00645078	117,832.30	175	182	VGEFCHNR	R	G	1,018.45
639	KHDRBS1 Isoform 1 of KH domain-containing, RNA- binding, signal transduction-associated protein 1	IPI00008575,IPI00385834,IPI00479209	48,210.20	176	186	ILGPQGN TIKR	K	L	1,196.71
640	CDC2 Putative uncharacterized protein DKFZp686L20222	IPI00026689	34,762.10	177	186	SPEVLLGSAR	R	Y	1,028.57
641	ATP1B3 Sodium/potassium-transporting ATPase subunit beta-3	IPI00008167	31,495.70	178	188	IIGLKPEGVPR	R	I	1,178.73
642	PCBP1 Poly(rC)-binding protein 1	IPI00016610	37,480.20	178	200	VMTIPYQMPASSPVICAGGQ DR	R	C	2,475.18
643	DDX5 Probable ATP-dependent RNA helicase DDX5	IPI00017617	69,131.70	178	192	ELAQQVQQVAEYCR	R	A	1,792.86
644	TMCO1 Isoform 1 of Transmembrane and coiled- coil domain-containing protein 1	IPI00026111,IPI00761107	21,158.30	178	188	LGPPPPSGKFS	F	-	1,083.58

645	TOP2A Isoform 3 of DNA topoisomerase 2-alpha	IPI00218753,IPI00414101,IPI00478232,IPI00879004	178,700.70	178	186	TVETASREY	F	K	1,055.50
646	JUP Junction plakoglobin	IPI00554711	81,727.90	178	191	ALMGSPQLVAAVVR	R	T	1,411.81
647	SLC1A5 Neutral amino acid transporter B(0)	IPI00019472	56,581.80	179	189	EVLDSFLDLAR	K	N	1,277.67
648	BAT1 Isoform 2 of Spliceosome RNA helicase BAT1	IPI00641829,IPI00792043,IPI00848161,IPI00893580	50,662.10	179	190	NCPHIVVGTGPR	K	I	1,306.67
649	GDI2 cDNA FLJ60299, highly similar to Rab GDP dissociation inhibitor beta	IPI00031461	51,138.50	180	193	DLGQDVIDFTGHAL	F	A	1,500.73
650	HNRNPK Isoform 1 of Heterogeneous nuclear ribonucleoprotein K	IPI00216049,IPI00216746,IPI00514561,IPI00807545,IPI00910458	50,960.50	180	191	LFQECCPHSTDR	K	V	1,549.65
651	POLD1 DNA polymerase delta catalytic subunit	IPI00002894,IPI00556021,IPI00655631	123,615.50	181	195	ELTGPAVLAVELCSR	R	E	1,614.85
652	NAPA Alpha-soluble NSF attachment protein	IPI00009253	33,216.10	181	199	AIDIYEQVGTNAMDSPLLK	K	Y	2,078.05
653	RPS7 40S ribosomal protein S7	IPI00013415	22,109.50	181	194	TGKDVNFEPFQQL	L	-	1,670.81
654	RPL9 60S ribosomal protein L9	IPI00031691,IPI00795717	21,845.70	181	192	VSEKGTVQQADE	Y	-	1,290.62
655	APEH Acylamino-acid-releasing enzyme	IPI00337741	81,206.00	181	193	ALDVSASDDEIAR	K	L	1,361.65
656	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	181	196	VILHLKEDQTEYLEER	K	R	2,015.04
657	HNRNPU cDNA FLJ44920 fis, clone BRAMY3011501, highly similar to Heterogeneous nuclear ribonucleoprotein U	IPI00640106,IPI00644079	83,067.80	181	193	GYFEYIEENKYSR	R	A	1,697.78
658	MAT2A S-adenosylmethionine synthetase isoform type-2	IPI00010157	43,642.80	182	192	TQVTVQYMQDR	K	G	1,368.66
659	PSMB2 Proteasome subunit beta type-2	IPI00028006	22,819.50	182	198	IIDKNGIHDLDNISFPK	R	Q	1,939.03
660	CCT2 T-complex protein 1 subunit beta	IPI00297779	57,471.90	182	189	LAVEAVLR	K	L	870.5407
661	ILF3 Isoform 5 of Interleukin enhancer-binding factor 3	IPI00219330,IPI00298788,IPI00298789,IPI00414335,IPI00418313,IPI00556173	74,589.90	183	200	VLAGETLSVNDPPDVLDR	K	Q	1,909.99
662	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	183	196	YESLTDPSKLDSGK	R	E	1,539.75
663	RPS7 40S ribosomal protein S7	IPI00013415	22,109.50	184	194	DVNFEFPEFQL	K	-	1,384.64
664	ACTG1 Actin, cytoplasmic 2	IPI00021440	41,775.90	184	191	DLTDYLMK	R	I	998.4865
665	HNRNPD Isoform 1 of Heterogeneous nuclear ribonucleoprotein D0	IPI00028888,IPI00220684	38,416.50	184	197	IFVGGLSPTDPEEK	K	I	1,488.76
666	IPO7 Importin-7	IPI00007402	119,501.50	185	201	FIQLLSDQSDQSVLIQK	R	Q	1,962.05
667	GNB2L1 38 kDa protein	IPI00641950,IPI00848226	37,740.10	185	201	FSPNSSNPIIVSCGWDK	R	L	1,907.90
668	ACTN1 Alpha-actinin-1	IPI00013508,IPI00759776,IPI00909239	103,043.00	186	195	HRPELIDYGK	R	L	1,227.65
669	AK2 Isoform 1 of Adenylate kinase isoenzyme 2, mitochondrial	IPI00215901,IPI00218988	26,461.00	187	202	LQAYHTQTTPLEIYYR	R	K	1,997.01
670	TP11 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	187	197	VIADNVKDWSK	K	V	1,274.67
671	CORO1C cDNA FLJ50992, highly similar to Coronin 1C	IPI00798401,IPI00867509	49,361.90	187	202	AIFLADGNVFTTGFSR	R	M	1,715.88
672	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	188	200	SVHQLVENTDETY	L	C	1,534.70
673	TUBB Tubulin beta chain	IPI00011654	49,652.60	188	200	SVHQLVENTDETY	L	C	1,534.70
674	USO1 Putative uncharacterized protein DKFZp451D234	IPI00031583	109,171.10	188	199	NDGVLLLQALTR	R	S	1,312.76
675	SLC25A5 ADP/ATP translocase 2	IPI00007188	32,878.50	189	199	AAYFGIYDTAK	R	G	1,219.60
676	LAP3 Isoform 1 of Cytosol aminopeptidase	IPI00419237,IPI00789806	56,149.70	189	200	GVLFASGQNLAR	K	Q	1,232.67
677	IGF2BP1 Insulin-like growth factor 2 mRNA-binding protein 1	IPI00008557	63,438.30	191	199	QQQVDIPLR	K	L	1,096.61
678	NCL cDNA FLJ45706 fis, clone FEBRA2028457, highly similar to Nucleolin	IPI00444262,IPI00604620,IPI00827674	65,945.80	191	211	VEGTEPTTAFNLFVGNLNFNK	K	S	2,312.16
679	KPNB1 Importin subunit beta-1	IPI00001639	97,153.30	192	206	LAATNALLNSLEFTK	K	A	1,605.88
680	KPNB1 Importin subunit beta-1	IPI00001639	97,153.30	192	206	LAATNALLNSLEFTK	K	A	1,605.88
681	GSTP1 Glutathione S-transferase P	IPI00219757	23,338.70	192	210	AFLASPEYVNLPIPINGNGKQ	K	-	2,032.05
682	JUP Junction plakoglobin	IPI00554711	81,727.90	192	203	TMQNTSDLDTAR	R	C	1,352.61
683	EEF2 Elongation factor 2	IPI00186290	95,322.10	193	214	GEGESGPMGNIMIDPVLGTV GF	Y	G	2,177.03
684	PFKP 6-phosphofructokinase type C	IPI00009790	85,579.40	194	210	IIEVVDAIMTTAQSHQR	R	T	1,912.00
685	ACTN4 Alpha-actinin-4	IPI00013808	104,839.20	194	204	DGLAFNALIHR	K	H	1,226.66

686	CNOT1 Isoform 1 of CCR4-NOT transcription complex subunit 1	IPI00166010,IPI00880052	266,926.70	194	208	GAFGVGQEIQIDAFK	K	T	1,579.81
687	NDFIP2 NEDD4 family-interacting protein 2	IPI00385038,IPI00910797,IPI00911105	36,372.50	194	207	AAAMAAAAAETSQR	K	I	1,335.63
688	RRM2 Ribonucleoside-diphosphate reductase M2 subunit	IPI00011118	51,076.50	195	209	AASDGIVNENLVERF	F	S	1,633.82
689	GRB2 Isoform 1 of Growth factor receptor-bound protein 2	IPI00021327,IPI00792746	25,188.80	196	207	GACHGQTGMFPR	K	N	1,318.58
690	YWHAE 14-3-3 protein epsilon	IPI00000816	29,157.00	197	215	AAFDDAIAELDTLSEESYK	K	D	2,087.97
691	ILF2 Interleukin enhancer-binding factor 2	IPI00005198	43,044.70	197	206	VLQSALAAIR	K	H	1,041.64
692	SMC2 Isoform 1 of Structural maintenance of chromosomes protein 2	IPI00007927,IPI00232806	135,642.70	197	209	TILEEEITPTIQK	K	L	1,514.83
693	HNRNPA2B1 43 kDa protein	IPI00874030	43,234.30	197	216	GKIDTIEITDRQSGKKRGF	Y	G	2,262.26
694	GDI2 cDNA FLJ60299, highly similar to Rab GDP dissociation inhibitor beta	IPI00031461	51,138.50	198	212	TDDYLDQPCYETINR	R	I	1,902.82
695	TP11 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	198	212	VVLAYEPVWAIGTGK	K	T	1,602.89
696	TP11 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	198	212	VVLAYEPVWAIGTGK	K	T	1,602.89
697	PAFAH1B3 Platelet-activating factor acetylhydrolase IB subunit gamma	IPI00014808	25,715.60	199	206	LGYPVCR	R	A	965.4874
698	PAFAH1B3 Platelet-activating factor acetylhydrolase IB subunit gamma	IPI00014808	25,715.60	199	206	LGYPVCR	R	A	965.4874
699	KIF4A Isoform 1 of Chromosome-associated kinesin KIF4A	IPI00178150,IPI00556059	139,865.70	199	211	TVASTAMNSQSSR	R	S	1,339.63
700	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	199	211	HINLIPNKQDRTL	L	T	1,561.88
701	HNRNPA2B1 43 kDa protein	IPI00874030	43,234.30	199	208	IDTIEITDR	K	Q	1,188.65
702	HNRNPA2B1 43 kDa protein	IPI00874030	43,234.30	199	208	IDTIEITDR	K	Q	1,188.65
703	POLR2B DNA-directed RNA polymerase II subunit RPB2	IPI00027808	133,883.00	200	210	MATNTVYVFAK	K	K	1,244.63
704	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IPI00290770,IPI00553185	60,446.30	200	215	VEKIPGGIIEDSCVLR	R	G	1,784.96
705	PRDX4 Peroxiredoxin-4	IPI00011937	30,523.10	201	208	GLFIIDDK	R	G	920.509
706	GAPDH Glyceraldehyde-3-phosphate dehydrogenase	IPI00219018,IPI00795257	36,035.30	201	215	GALQNIIPASTGAAK	R	A	1,411.79
707	TKT transketolase isoform 2	IPI00792641	58,965.00	201	219	ILATPPQEDAPSVDIANIR	K	M	2,020.07
708	PSMA7 Isoform 1 of Proteasome subunit alpha type-7	IPI00024175,IPI00154509,IPI00218372,IPI00219950,IPI00748423	28,512.20	202	212	ALLEVVQSGGK	K	N	1,100.63
709	LOC442497;SLC3A2 4F2 cell-surface antigen heavy chain	IPI00027493,IPI00554481,IPI00554611,IPI00554702,IPI00554722,IPI00604710	57,929.40	203	212	VILDLPNYR	R	G	1,203.67
710	BUB3 budding uninhibited by benzimidazoles 3 isoform b	IPI00514701	36,936.50	203	216	VAVEYLDPSPEVQK	R	K	1,573.81
711	BUB3 budding uninhibited by benzimidazoles 3 isoform b	IPI00514701	36,936.50	203	216	VAVEYLDPSPEVQK	R	K	1,573.81
712	MTR Methionine synthase	IPI00743284	140,514.40	204	216	AALFALQNLFE EK	K	Y	1,493.80
713	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	205	219	HSQFIGYPITLYLEK	K	E	1,808.96
714	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	205	221	HSQFIGYPITLYLEKER	K	E	2,094.10
715	GNB2L1 38 kDa protein	IPI00641950,IPI00848226	37,740.10	205	212	VWNLANCK	K	L	1,004.50
716	HNRNPH3 Isoform 1 of Heterogeneous nuclear ribonucleoprotein H3	IPI00013877,IPI00216492,IPI00216493	36,909.60	206	222	ATENDIANFFSPLNPIR	R	V	1,918.97
717	IPO4 Isoform 1 of Importin-4	IPI00156374,IPI00398009	118,700.70	206	220	LIMAMQTLIPIDEAK	K	A	1,686.92
718	PC Pyruvate carboxylase, mitochondrial	IPI00299402	129,616.70	206	219	VVHSYEELEENYTR	R	A	1,767.82
719	HNRNPR Heterogeneous nuclear ribonucleoprotein R	IPI00012074,IPI00644055,IPI00856037,IPI00856038,IPI00910614	70,925.80	207	216	GYAFITFCGK	R	E	1,163.56
720	HNRNPA1 Isoform A1-B of Heterogeneous nuclear ribonucleoprotein A1	IPI00215965,IPI00465365	38,828.10	207	218	GGGFGGNDNFGR	R	G	1,154.50
721	HNRNPK Isoform 1 of Heterogeneous nuclear ribonucleoprotein K	IPI00216049,IPI00216746,IPI00514561,IPI00807545,IPI00910458	50,960.50	208	221	IILDLISESPIKGR	K	A	1,553.93
722	TFRC Transferrin receptor protein 1	IPI00022462	84,855.60	209	224	LVYLVENPGGYVAYSK	R	A	1,771.93
723	FAR1 cDNA: FLJ22728 fis, clone HSI15617 (Fragment)	IPI00386139,IPI00478838	38,361.30	209	221	ALAEYVVQEGAK	K	L	1,405.73
724	MYH9 Isoform 1 of Myosin-9	IPI00019502	226,519.50	210	225	QLLQANPILEAFGNAK	R	T	1,726.95

725	DDX17 DEAD box polypeptide 17 isoform 1	IPI00023785,IPI00651653	80,256.00	210	221	DMVGIAGTGSQK	R	T	1,163.57
726	EIF2B1 Translation initiation factor eIF-2B subunit alpha	IPI00221300	33,695.20	210	220	IGTNQMAVCAK	K	A	1,192.58
727	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	210	222	TLTIVDTGIGMTK	R	A	1,365.73
728	PCNA Proliferating cell nuclear antigen	IPI00021700	28,751.30	211	217	YLNFFTK	R	A	932.4876
729	PFAS Phosphoribosylformylglycinamide synthase	IPI00004534	144,645.60	213	231	NPSTVEAFDLAQSNSEHSR	R	H	2,088.96
730	ATP1A1 Isoform Long of Sodium/potassium-transporting ATPase subunit alpha-1	IPI00006482,IPI00646182	112,881.50	213	227	VDNSSLTGESEPQTR	K	S	1,619.75
731	YWHAQ 14-3-3 protein theta	IPI00018146	27,747.40	213	222	DSTLIMQLLR	K	D	1,189.66
732	YWHAZ 14-3-3 protein zeta/delta	IPI00021263	27,727.90	213	222	DSTLIMQLLR	K	D	1,189.66
733	TP11 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	213	225	TATPQQAQEVHEK	K	L	1,466.72
734	TP11 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	213	225	TATPQQAQEVHEK	K	L	1,466.72
735	RARS Isoform Complexed of Arginyl-tRNA synthetase, cytoplasmic	IPI00004860	75,364.00	214	223	STIIGESISR	R	L	1,062.58
736	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	214	241	TLKLTTPTYGDLNHLVSATMS GVTTCLR	R	F	3,050.57
737	TUBB Tubulin beta chain	IPI00011654	49,652.60	214	241	TLKLTTPTYGDLNHLVSATMS GVTTCLR	R	F	3,050.57
738	UCHL1 Ubiquitin carboxyl-terminal hydrolase isozyne L1	IPI00018352	24,806.30	214	221	FSAVALCK	R	A	895.4706
739	TUBB4 Tubulin beta-4 chain	IPI00023598	49,567.40	214	241	TLKLTTPTYGDLNHLVSATMS GVTTCLR	R	F	3,050.57
740	TUBB2B Tubulin beta-2B chain	IPI00031370	49,935.10	214	241	TLKLTTPTYGDLNHLVSATMS GVTTCLR	R	F	3,050.57
741	SLC25A5 ADP/ATP translocase 2	IPI00007188	32,878.50	215	231	MIAQTVTAVAGLTSYPF	W	D	1,769.91
742	SLC25A5 ADP/ATP translocase 2	IPI00007188	32,878.50	215	226	MIAQTVTAVAGL	W	T	1,174.65
743	YWHAB Isoform Long of 14-3-3 protein beta/alpha	IPI00216318,IPI00759832	28,065.10	215	224	DSTLIMQLLR	K	D	1,189.66
744	SLC25A6 ADP/ATP translocase 3	IPI00291467	32,849.10	215	231	MIAQTVTAVAGVVSYPF	W	D	1,753.92
745	EEF1A1 Elongation factor 1-alpha 1	IPI00396485	50,123.20	215	229	KVTRKDGNASGTTLL	W	E	1,560.87
746	HNRNPA2B1 43 kDa protein	IPI00874030	43,234.30	215	229	GFGFVTFDDHDPVVK	R	I	1,695.77
747	YWHAE 14-3-3 protein epsilon	IPI00000816	29,157.00	216	225	DSTLIMQLLR	K	D	1,189.66
748	NP cDNA FLJ25678 fis, clone TST04067, highly similar to PURINE NUCLEOSIDE PHOSPHORYLASE	IPI00017672,IPI00871140	32,533.50	216	233	LGADAVGMSTVPEVIVAR	K	H	1,800.95
749	ACTG1 Actin, cytoplasmic 2	IPI00021440	41,775.90	216	238	LCYVALDFEQEMATAASSSSL EK	K	S	2,550.17
750	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IPI00290770,IPI00553185	60,446.30	216	227	GVMINKDVTHPR	R	M	1,366.73
751	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	217	241	LTTPTYGDLNHLVSATMSGVT TCLR	K	F	2,708.34
752	TUBB Tubulin beta chain	IPI00011654	49,652.60	217	241	LTTPTYGDLNHLVSATMSGVT TCLR	K	F	2,708.34
753	TUBB4 Tubulin beta-4 chain	IPI00023598	49,567.40	217	241	LTTPTYGDLNHLVSATMSGVT TCLR	K	F	2,708.34
754	TUBB2B Tubulin beta-2B chain	IPI00031370	49,935.10	217	241	LTTPTYGDLNHLVSATMSGVT TCLR	K	F	2,708.34
755	YWHAG 14-3-3 protein gamma	IPI00220642	28,285.10	218	227	DSTLIMQLLR	K	D	1,189.66
756	CCT7 T-complex protein 1 subunit eta	IPI00018465	59,349.80	219	230	TFSYAGFEMQPK	K	K	1,405.65
757	PTBP1 polypyrimidine tract-binding protein 1 isoform a	IPI00183626,IPI00334175	59,616.40	219	238	NNQFQALLQYADPVSAQHAK	K	L	2,243.12
758	HNRNPF Heterogeneous nuclear ribonucleoprotein F	IPI00003881	45,653.88	220	228	IGIVKQAGL	Y	E	898.5722
759	PTPN23 Tyrosine-protein phosphatase non-receptor type 23	IPI00034006	178,956.60	220	232	ALENPDTASLLGR	R	I	1,356.71
760	GAPDH Glyceraldehyde-3-phosphate dehydrogenase	IPI00219018,IPI00795257	36,035.30	220	227	VIPELNGK	K	L	869.5092
761	PC Pyruvate carboxylase, mitochondrial	IPI00299402	129,616.70	220	237	AYSEALAAFGNGALFVEK	R	F	1,857.94
762	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	70,881.80	221	236	STAGDTHLGGEDFDNR	K	M	1,691.73

763	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	221	236	ATAGDTHLGGEDFDNR	K	L	1,675.73
764	HSPA4 Heat shock 70 kDa protein 4	IPI00002966	94,313.90	222	234	VLATAFDTTLGGR	K	K	1,321.71
765	UCHL3 Ubiquitin carboxyl-terminal hydrolase isozyme L3	IPI00011250	26,164.80	222	230	FNAIALSAA	R	-	877.4777
766	HNRNPA2B1 43 kDa protein	IPI00874030	43,234.30	222	235	DDHDPVKIVLQKY	F	H	1,684.85
767	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	223	234	ADLNNLGTIAK	K	S	1,242.71
768	RARS Isoform Complexed of Arginyl-tRNA synthetase. cytoplasmic	IPI00004860	75,364.00	224	234	LFEFAGYDVLRL	R	L	1,329.68
769	CDC2 Putative uncharacterized protein DKFZp686L20222	IPI00026689	34,762.10	224	243	RALGTPNNEVWPEVESLQDY	F	K	2,317.11
770	RPL7 60S ribosomal protein L7	IPI00030179,IPI00472171,IPI00871827,IPI00872387	29,209.70	224	242	TTFVVEGGDAGNREDQINR	K	L	2,115.98
771	FASN Fatty acid synthase	IPI00026781	273,382.00	225	235	SEGVVAVLLTK	R	K	1,115.67
772	GDI2 cDNA FLJ60299, highly similar to Rab GDP dissociation inhibitor beta	IPI00031461	51,138.50	226	244	SPYLYPLYGLGELPQGFAR	K	L	2,141.11
773	UBA1 Ubiquitin-like modifier-activating enzyme 1	IPI00645078	117,832.30	227	239	DNPGVVTCLEEAR	K	H	1,445.67
774	KPNA2;LOC728860 Importin subunit alpha-2	IPI00002214,IPI00789457	57,844.50	228	238	NLTWTLNSLNR	R	N	1,377.69
775	ATP1A1 Isoform Long of Sodium/potassium-transporting ATPase subunit alpha-1	IPI00006482,IPI00646182	112,881.50	228	240	SPDFTNENPLETR	R	N	1,519.70
776	ATP1A1 Isoform Long of Sodium/potassium-transporting ATPase subunit alpha-1	IPI00006482,IPI00646182	112,881.50	228	240	SPDFTNENPLETR	R	N	1,519.70
777	DDX5 Probable ATP-dependent RNA helicase DDX5	IPI00017617	69,131.70	228	236	LIDFLECGK	R	T	1,094.56
778	YWHAZ 14-3-3 protein zeta/delta	IPI00021263	27,727.90	229	245	TSDTQGDAAEAGEGGEN	W	-	1,666.63
779	G3BP1 Ras GTPase-activating protein-binding protein 1	IPI00012442	52,144.80	230	247	SSSPADIAQTQVEDLR	K	T	1,884.93
780	TUBA1A Tubulin alpha-1A chain	IPI00180675	50,117.70	230	243	LIGQIVSSITASLR	R	F	1,457.87
781	EIF3B Isoform 1 of Eukaryotic translation initiation factor 3 subunit B	IPI00396370,IPI00719752	92,464.80	231	248	GYIFLEYASPAHAVDAVK	K	N	1,951.00
782	PABPC1 Isoform 1 of Polyadenylate-binding protein 1	IPI00008524,IPI00410017	70,653.30	232	240	GFGFVVSFER	K	H	1,045.51
783	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	232	243	SNVSDAVAQSTR	K	I	1,234.60
784	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	232	243	SNVSDAVAQSTR	K	I	1,234.60
785	CAND1 Isoform 1 of Cullin-associated NEDD8-dissociated protein 1	IPI00100160,IPI00915424	136,363.10	233	243	TYIQCAAISR	R	Q	1,295.68
786	GAPDH Glyceraldehyde-3-phosphate dehydrogenase	IPI00219018,IPI00795257	36,035.30	234	255	RVPTANVSVVDLTCRLEKPAK Y	F	D	2,516.37
787	KPNB1 Importin subunit beta-1	IPI00001639	97,153.30	235	243	VAALQNLVK	R	I	955.5935
788	ATP2A2 Isoform SERCA2A of Sarcoplasmic/endoplasmic reticulum calcium ATPase 2	IPI00177817,IPI00219078,IPI00747443,IPI00914019	109,674.90	235	246	IRDEMVAEQER	K	T	1,476.71
789	GAPDH Glyceraldehyde-3-phosphate dehydrogenase	IPI00219018,IPI00795257	36,035.30	235	248	VPTANVSVVDLTCR	R	L	1,530.79
790	HNRNPA2B1 43 kDa protein	IPI00874030	43,234.30	235	246	YHTINGHNAEVR	K	K	1,410.69
791	PSAT1 cDNA FLJ56437, highly similar to Phosphoserine aminotransferase	IPI00001734,IPI00219478	45,338.10	236	245	FGVIFAGAQK	K	N	1,037.58
792	EEF2 Elongation factor 2	IPI00186290	95,322.10	236	249	FAAKGEGQLGPAER	K	A	1,430.74
793	HNRNPA2B1 43 kDa protein	IPI00874030	43,234.30	236	249	HTINGHNAEVRKAL	Y	S	1,559.84
794	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	70,881.80	237	246	MVNHFIAEFK	R	R	1,235.62
795	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IPI00290770,IPI00553185	60,446.30	237	247	IVLLDSSLEYK	R	K	1,279.71
796	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	237	246	LVNHFVEEFK	R	R	1,261.66
797	DHX9 ATP-dependent RNA helicase A	IPI00844578	140,943.50	237	248	LAAQSCALSLVR	K	Q	1,288.70
798	MSN Moesin	IPI00219365,IPI00872814	67,803.80	238	246	IGFPWSEIR	K	N	1,104.58
799	ACACA Isoform 1 of Acetyl-CoA carboxylase 1	IPI00011569	265,538.40	239	260	ALGDKIASSIVAQTAGIPTLPW	W	S	2,209.22
800	ACTG1 Actin, cytoplasmic 2	IPI00021440	41,775.90	239	254	SYELPDGQVITIGNER	K	F	1,790.89

801	PTBP1 polypyrimidine tract-binding protein 1 isoform a	IPI00183626,IPI00334175	59,616.40	239	254	LSLDGQNIYNACCTLR	K	I	1,897.89
802	PPP2CA Serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform	IPI00008380,IPI00815784	35,576.50	240	254	AHQLVMEGYNWCHDR	R	N	1,915.83
803	STIP1 Stress-induced-phosphoprotein 1	IPI00013894,IPI00871856	62,624.10	240	246	DFDTALK	K	H	809.4041
804	NPM1 Isoform 2 of Nucleophosmin	IPI00220740,IPI00549248	29,446.90	240	247	INYVKNCF	F	R	1,057.51
805	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	240	253	VVIGMDVAASEFFR	K	S	1,540.78
806	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	241	253	RFPGQLNADLRKL	L	A	1,527.88
807	TUBB Tubulin beta chain	IPI00011654	49,652.60	241	253	RFPGQLNADLRKL	L	A	1,527.88
808	TUBB Tubulin beta chain	IPI00011654	49,652.60	241	253	RFPGQLNADLRKL	L	A	1,527.88
809	ACTG1 Actin, cytoplasmic 2	IPI00021440	41,775.90	241	255	ELPDGQVITIGNERF	Y	R	1,687.87
810	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	242	251	FPGQLNADLR	R	K	1,130.60
811	PSMD3 26S proteasome non-ATPase regulatory subunit 3	IPI00011603	60,961.60	242	256	HDADGQATLLNLLLR	R	N	1,649.90
812	TUBB Tubulin beta chain	IPI00011654	49,652.60	242	251	FPGQLNADLR	R	K	1,130.60
813	TUBB4 Tubulin beta-4 chain	IPI00023598	49,567.40	242	251	FPGQLNADLR	R	K	1,130.60
814	TUBB2B Tubulin beta-2B chain	IPI00031370	49,935.10	242	251	FPGQLNADLR	R	K	1,130.60
815	NCL cDNA FLJ45706 fis, clone FEBRA2028457, highly similar to Nucleolin	IPI00444262,IPI00604620,IPI00827674	65,945.80	242	255	FGYVDFESAEDLEK	K	A	1,648.74
816	GNB2L1 38 kDa protein	IPI00641950,IPI00848226	37,740.10	242	254	DGQAMLWDLNEGK	K	H	1,476.68
817	ACTR1A Alpha-centractin	IPI00029468,IPI00908883	42,597.20	243	256	LPDGSTIEIGPSRF	Y	R	1,488.77
818	TUBA1A Tubulin alpha-1A chain	IPI00180675	50,117.70	244	264	FDGALNVDLTEFQTNLVPYPR	R	I	2,409.21
819	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	244	256	IYGGSVTGATCK	R	E	1,326.67
820	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	244	256	IYGGSVTGATCK	R	E	1,326.67
821	GDI2 cDNA FLJ60299, highly similar to Rab GDP dissociation inhibitor beta	IPI00031461	51,138.50	245	268	LSAIYGGTYMLNKPIEEIIVQN	R	V	2,651.41
822	CCT4 T-complex protein 1 subunit delta	IPI00302927,IPI00873222,IPI00893358	57,907.90	246	257	IGLIQFCLSAPK	K	T	1,346.75
823	TALDO1 Transaldolase	IPI00744692,IPI00888654	37,523.70	246	258	ALAGCDFLTISPK	K	L	1,392.72
824	COPA Isoform 1 of Coatomer subunit alpha	IPI00295857,IPI00646493	138,331.30	247	260	GHYNNVSCAVFHPR	R	Q	1,657.77
825	TIMELESS Isoform 1 of Protein timeless homolog	IPI00335541,IPI00554678,IPI00909597	138,615.50	247	257	SADFAELEVLR	R	Q	1,249.64
826	SLC1A5 Neutral amino acid transporter B(0)	IPI00019472	56,581.80	248	257	LGPEGELLIR	K	F	1,096.64
827	NPM1 Isoform 2 of Nucleophosmin	IPI00220740,IPI00549248	29,446.90	248	259	RMTDQEAIQDLW	F	Q	1,505.71
828	HNRNPA2B1 43 kDa protein	IPI00874030	43,234.30	248	261	ALSRQEMQEVQSSR	K	S	1,648.81
829	STIP1 Stress-induced-phosphoprotein 1	IPI00013894,IPI00871856	62,624.10	249	261	DKAKELDPTNMTY	Y	I	1,525.72
830	NPM1 Isoform 2 of Nucleophosmin	IPI00220740,IPI00549248	29,446.90	249	262	MTDQEAIQDLWQWR	R	K	1,819.84
831	MAT2A S-adenosylmethionine synthetase isoform type-2	IPI00010157	43,642.80	250	264	FVIGGPQGDAGLTGR	R	K	1,444.75
832	NUP107 Nuclear pore complex protein Nup107	IPI00028005	106,358.70	251	259	TVVEALFQR	K	D	1,062.59
833	MTHFD1 C-1-tetrahydrofolate synthase, cytoplasmic	IPI00218342,IPI00794900	101,543.50	251	264	KVVGDVAYDEAKER	R	A	1,578.81
834	SPTAN1 cDNA FLJ61399, highly similar to Spectrin alpha chain, brain	IPI00744706,IPI00843765,IPI00844215,IPI00871535,IPI00879810	282,131.80	251	259	LFGAAEVQR	K	F	990.5367
835	PSMC4 Isoform 1 of 26S protease regulatory subunit 6B	IPI00020042,IPI00216770,IPI00738042	47,349.70	252	275	RLAKENAPAIIFIDEIDAIATKRF	F	D	2,715.52
836	CSE1L Isoform 1 of Exportin-2	IPI00022744,IPI00219994	110,403.90	252	268	LLQTDDEEEAGLLELLK	K	S	1,929.01
837	TKT transketolase isoform 2	IPI00792641	58,965.00	252	260	IILDGDTK	R	N	945.5254
838	HNRNPA2B1 43 kDa protein	IPI00874030	43,234.30	252	261	QEMQEVQSSR	R	S	1,221.55
839	HNRNPA2B1 43 kDa protein	IPI00874030	43,234.30	252	261	QEMQEVQSSR	R	S	1,221.55
840	HNRNPA2B1 43 kDa protein	IPI00874030	43,234.30	252	261	QEMQEVQSSR	R	S	1,221.55
841	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	253	262	LAVNMVPFPR	K	L	1,143.63
842	TUBB Tubulin beta chain	IPI00011654	49,652.60	253	262	LAVNMVPFPR	K	L	1,143.63
843	TUBB Tubulin beta chain	IPI00011654	49,652.60	253	262	LAVNMVPFPR	K	L	1,143.63
844	TUBB4 Tubulin beta-4 chain	IPI00023598	49,567.40	253	262	LAVNMVPFPR	K	L	1,143.63
845	TUBB2B Tubulin beta-2B chain	IPI00031370	49,935.10	253	262	LAVNMVPFPR	K	L	1,143.63

846	AASDHPT L-aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase	IPI00250297	35,759.10	253	267	HQDVPSQDDSKPTQR	R	Q	1,737.82
847	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	254	269	SGKYDLDFKSPDDPSR	R	Y	1,826.86
848	PPP2CA Serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform	IPI00008380,IPI00815784	35,576.50	255	268	NVVTIFSAPNYCYR	R	C	1,703.82
849	DDX17 DEAD box polypeptide 17 isoform 1	IPI00023785,IPI00651653	80,256.00	255	269	ELAQQVQQVADDYQK	R	C	1,691.82
850	PRPF6 Pre-mRNA-processing factor 6	IPI00305068	106,909.70	255	271	LSQVSDSVSGQTVVDPK	R	G	1,745.89
851	PSMD13 proteasome 26S non-ATPase subunit 13 isoform 2	IPI00375380,IPI00549672	42,924.90	255	272	TAWGQQPDLAANEAQLLR	K	K	1,982.01
852	PSMC4 Isoform 1 of 26S protease regulatory subunit 6B	IPI00020042,IPI00216770,IPI00738042	47,349.70	256	273	ENAPAIIFIDEIDAIATK	K	R	1,944.03
853	IRS4 Insulin receptor substrate 4	IPI00020729	133,751.30	256	267	LCLTDEEVVFR	R	L	1,479.75
854	EEF1A1 Elongation factor 1-alpha 1	IPI00396485	50,123.20	256	266	IGGIGTVPVGR	K	V	1,025.61
855	ARS2 Isoform 2 of Arsenite-resistance protein 2	IPI00220038,IPI00375144,IPI00888085,IPI00888510	100,261.00	257	266	MEGGTENDLR	K	I	1,121.49
856	RANBP2 E3 SUMO-protein ligase RanBP2	IPI00221325	358,180.20	257	270	ELLQSFDSALQSVK	R	S	1,564.82
857	EXOSC9 Isoform 2 of Exosome complex exonuclease RRP45	IPI00029697,IPI00654592	50,786.00	258	267	VAEITELILK	K	A	1,128.69
858	NP cDNA FLJ25678 fis, clone TST04067, highly similar to PURINE NUCLEOSIDE PHOSPHORYLASE	IPI00017672,IPI00871140	32,533.50	259	269	ANHEEVLAAGK	K	Q	1,138.59
859	PSMC5 26S protease regulatory subunit 8	IPI00023919,IPI00555749,IPI00745502	45,609.10	259	271	LEGGSGGDSEVQR	R	T	1,290.59
860	ISYNA1 cDNA FLJ34860 fis, clone NT2NE2012790, highly similar to Homo sapiens myo-inositol 1-phosphate synthase A1 (ISYNA1), mRNA	IPI00478861,IPI00549569,IPI00640098,IPI00644161,IPI00645069	55,118.10	259	271	SVLVDFLIGSGLK	K	T	1,347.79
861	TALDO1 Transaldolase	IPI00744692,IPI00888654	37,523.70	259	269	LLGELLQDNAK	K	L	1,213.68
862	RARS Isoform Complexed of Arginyl-tRNA synthetase, cytoplasmic	IPI00004860	75,364.00	261	273	TVSPPIGDLQVYF	L	K	1,435.75
863	CDC2 Putative uncharacterized protein DKFZp686L20222	IPI00026689	34,762.10	261	272	NLDENGLDLLSK	K	M	1,330.69
864	PCBP2 poly(rC) binding protein 2 isoform b	IPI00012066,IPI00470509,IPI00791223,IPI00796337	38,204.50	262	274	SGIESSSPEVKGY	F	W	1,339.64
865	PCBP2 poly(rC) binding protein 2 isoform b	IPI00012066,IPI00470509,IPI00791223,IPI00796337	38,204.50	262	274	SGIESSSPEVKGY	F	W	1,339.64
866	SNRNP200 Isoform 1 of U5 small nuclear ribonucleoprotein 200 kDa helicase	IPI00420014	244,495.80	262	270	DIDAFWLQR	R	Q	1,163.58
867	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	263	276	LHFFMPGFAPLTSR	R	G	1,620.84
868	TUBB Tubulin beta chain	IPI00011654	49,652.60	263	276	LHFFMPGFAPLTSR	R	G	1,620.84
869	TUBB4 Tubulin beta-4 chain	IPI00023598	49,567.40	263	276	LHFFMPGFAPLTSR	R	G	1,620.84
870	TUBB2B Tubulin beta-2B chain	IPI00031370	49,935.10	263	276	LHFFMPGFAPLTSR	R	G	1,620.84
871	MSN Moesin	IPI00219365,IPI00872814	67,803.80	264	273	APDFVYFAPR	K	L	1,182.59
872	TUBA1A Tubulin alpha-1A chain	IPI00180675	50,117.70	265	280	IHFPLATYAPVISA EK	R	A	1,756.96
873	HNRNPU cDNA FLJ44920 fis, clone BRAMY3011501, highly similar to Heterogeneous nuclear ribonucleoprotein U	IPI00640106,IPI00644079	83,067.80	265	272	VTEKIPVR	K	H	941.5779
874	RPLP0 60S acidic ribosomal protein P0	IPI00008530,IPI00556485,IPI00791448	34,256.30	267	297	AFLADPSAFVAAAPVAAATTA	K	V	2,752.47
875	ACACA Isoform 1 of Acetyl-CoA carboxylase 1	IPI00011569	265,538.40	267	276	APAAAAAPAK	R	R	1,267.56
876	PLS3 platin 3	IPI00216694	70,795.90	267	275	LSPEELLR	K	W	1,069.63
877	EEF1A1 Elongation factor 1-alpha 1	IPI00396485	50,123.20	267	290	VETGVLPKGMVVFAPVNV	R	S	2,515.38
878	IRS4 Insulin receptor substrate 4	IPI00020729	133,751.30	268	283	LNTEVASVVVQLLSIR	R	R	1,741.02
879	CSE1L Isoform 1 of Exportin-2	IPI00022744,IPI00219994	110,403.90	269	281	SQICDNAALYAQK	K	Y	1,481.71
880	PTPN1 Tyrosine-protein phosphatase non-receptor type 1	IPI00297261	49,949.70	269	279	FSYLAVIEGAK	R	F	1,197.65
881	HNRNPA2B1 43 kDa protein	IPI00874030	43,234.30	269	288	GFGDSRGGGGNFGPGPGSN	F	R	1,840.80
882	MCM6 DNA replication licensing factor MCM6	IPI00031517	92,872.60	270	282	VSGVDGYETEGIR	R	G	1,381.66
883	PSMC5 26S protease regulatory subunit 8	IPI00023919,IPI00555749,IPI00745502	45,609.10	272	287	TMLELLNQLDGF EATK	R	N	1,822.93
884	SLC25A5 ADP/ATP translocase 2	IPI00007188	32,878.50	273	280	GAWSNVLR	K	G	902.4842

885	IGF2BP1 Insulin-like growth factor 2 mRNA-binding protein 1	IPI00008557	63,438.30	273	280	TADDEVPLK	K	T	872.4725
886	NONO Non-POU domain-containing octamer-binding protein	IPI00304596	54,213.60	273	287	ALIEMEKQQQDQVDR	K	N	1,830.90
887	CDC37 Hsp90 co-chaperone Cdc37	IPI00113122	44,450.20	274	283	AMKEYEEEEER	K	K	1,313.57
888	EEF2 Elongation factor 2	IPI00186290	95,322.10	274	289	SKSATSPEGKKLPRTF	F	C	1,733.95
889	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	274	284	EKYIDQEELNK	K	T	1,408.70
890	PCBP2 poly(rC) binding protein 2 isoform b	IPI00012066,IPI00470509,IPI00791223,IPI00796337	38,204.50	275	289	WAGLDASAQTTSHEL	Y	T	1,586.74
891	FASN Fatty acid synthase	IPI00026781	273,382.00	275	298	SLYQSAGVAPESFEYIEAHGT GTK	R	V	2,542.21
892	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	276	284	YIDQEELNK	K	T	1,151.56
893	NUDC Nuclear migration protein nudC	IPI00550746,IPI00871312	38,225.70	276	284	LSDLDSETR	K	S	1,035.50
894	G3BP2 Isoform A of Ras GTPase-activating protein-binding protein 2	IPI00009057,IPI00179890	54,102.30	278	290	VEAKPEVQSQPPR	R	V	1,464.78
895	TCP1 T-complex protein 1 subunit alpha	IPI00290566	60,327.20	278	298	ILATGANVILTTGGIDDMCLK	K	Y	2,176.14
896	TIMELESS Isoform 1 of Protein timeless homolog	IPI00335541,IPI00554678,IPI00909597	138,615.50	278	288	FGGSYIVQGLK	R	S	1,168.64
897	HNRNPU cDNA FLJ44920 fis, clone BRAMY3011501, highly similar to Heterogeneous nuclear ribonucleoprotein U	IPI00640106,IPI00644079	83,067.80	278	285	DIDIHEVR	K	I	996.511
898	POR NADPH--cytochrome P450 reductase	IPI00470467,IPI00792395,IPI00880028,IPI00903331,IPI00908675,IPI00910178	76,672.90	280	290	NPFLAAVTTNR	K	K	1,203.65
899	TKT transketolase isoform 2	IPI00792641	58,965.00	281	302	IAEQNMVSIIVGCATRNRTVP F	Y	C	2,434.23
900	TUBB Tubulin beta chain	IPI00011654	49,652.60	282	294	RALTVPELTQQVF	Y	D	1,501.84
901	ACTN1 Alpha-actinin-1	IPI00013508,IPI00759776,IPI00909239	103,043.00	282	291	LASDLLEWIR	K	R	1,215.67
902	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	283	297	ALTVPELTQQMFDAK	R	N	1,691.87
903	TUBB Tubulin beta chain	IPI00011654	49,652.60	283	297	ALTVPELTQQVFDK	R	N	1,659.90
904	TUBB4 Tubulin beta-4 chain	IPI00023598	49,567.40	283	297	ALTVPELTQQMFDAK	R	N	1,691.87
905	AARS Alanyl-tRNA synthetase, cytoplasmic	IPI00027442,IPI00910701	106,795.20	283	296	VGAEDADGIDMAYR	K	V	1,482.65
906	IPO7 Importin-7	IPI00007402	119,501.50	284	294	EYNEFAEVFLK	K	A	1,388.67
907	PPP2CA Serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform	IPI00008380,IPI00815784	35,576.50	284	294	YSFLQFDPAPR	K	R	1,340.66
908	COPG Coatomer subunit gamma	IPI00783982	97,701.40	284	300	ELAPAVSVLQLFCSSPK	K	A	1,845.98
909	ARMC6 Armadillo repeat-containing protein 6	IPI00020196,IPI00470847,IPI00871811	54,123.50	285	302	AFLDNPGLSELGTLR	K	L	1,963.00
910	PSMC2 26S protease regulatory subunit 7	IPI00021435	48,617.60	285	297	FDDGAGGDNEVQR	R	T	1,379.58
911	NAPA Alpha-soluble NSF attachment protein	IPI00009253	33,216.10	286	295	TIQGDEEDLR	K	-	1,175.55
912	SPTAN1 cDNA FLJ61399, highly similar to Spectrin alpha chain, brain	IPI00744706,IPI00843765,IPI00844215,IPI00871535,IPI00879810	282,131.80	286	295	DLASVQALLR	R	K	1,085.63
913	CDC37 Hsp90 co-chaperone Cdc37	IPI00013122	44,450.20	287	307	LGPGLDPVEVYESLPEELQ K	R	C	2,269.16
914	HNRNPH3 Isoform 1 of Heterogeneous nuclear ribonucleoprotein H3	IPI00013877,IPI00216492,IPI00216493	36,909.60	288	301	DGMDNQGGYGSVGR	R	M	1,412.59
915	PSMC4 Isoform 1 of 26S protease regulatory subunit 6B	IPI00020042,IPI00216770,IPI00738042	47,349.70	288	306	ILLELLNQMDGFDQNVNVK	R	V	2,203.14
916	EEF2 Elongation factor 2	IPI00186290	95,322.10	288	299	TFCQLILDPIFK	R	V	1,494.80
917	EEF2 Elongation factor 2	IPI00186290	95,322.10	288	299	TFCQLILDPIFK	R	V	1,494.80
918	EEF2 Elongation factor 2	IPI00186290	95,322.10	288	299	TFCQLILDPIFK	R	V	1,494.80
919	PLS3 plastin 3	IPI00216694	70,795.90	289	300	INNFSADIKDSK	K	A	1,351.69
920	RARS Isoform Complexed of Arginyl-tRNA synthetase, cytoplasmic	IPI00004860	75,364.00	290	300	AYQCVVLLQGK	R	N	1,278.69
921	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	290	301	TRNPDDITQEEY	W	G	1,480.66
922	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	290	305	TRNPDDITQEEYGEFY	W	K	1,976.85
923	CCT7 T-complex protein 1 subunit eta	IPI00018465	59,349.80	291	302	SKLPIGDVATQY	L	F	1,291.69
924	ACTG1 Actin, cytoplasmic 2	IPI00021440	41,775.90	292	312	DLYANTVLSGGTTMYPGIADR	K	M	2,215.07
925	DNM1L Isoform 5 of Dynamin-1-like protein	IPI00037283,IPI00146935,IPI00235412,IPI00473085,IPI00555883,IPI00871742	85,362.60	292	300	LGIIGVVNR	K	S	940.5939
926	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	292	306	NPDDITQEEYGEFYK	R	S	1,847.80

927	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	292	306	NPDDITQEEYGEFYK	R	S	1,847.80
928	KPNA6 cDNA FLJ53229, highly similar to Importin alpha-7 subunit	IPI00747764	60,563.50	292	302	IQAVIDSGVCR	K	R	1,217.63
929	SPTBN1 Isoform Long of Spectrin beta chain, brain 1	IPI00005614,IPI00871932	274,595.40	293	302	VLDNAIETEK	K	M	1,131.59
930	CCT7 T-complex protein 1 subunit eta	IPI00018465	59,349.80	293	306	LPIGDVATQYFADR	K	D	1,565.80
931	ACTR1A Alpha-centractin	IPI00029468,IPI00908883	42,597.20	293	308	TLFSNIVLSGGSTLTK	R	G	1,683.93
932	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IPI00290770,IPI00553185	60,446.30	294	305	GISDLAQHYLMR	K	A	1,403.71
933	GNB2L1 38 kDa protein	IPI00641950,IPI00848226	37,740.10	294	309	IIVDELKQEVISTSSK	K	A	1,789.00
934	IPO7 Importin-7	IPI00007402	119,501.50	295	306	AFAVGVQQVLLK	K	V	1,272.77
935	MCM6 DNA replication licensing factor MCM6	IPI00031517	92,872.60	296	309	LVFLACCVAPTNPR	R	F	1,617.82
936	HNRNPA2B1 43 kDa protein	IPI00874030	43,234.30	296	308	GSGRFGDGYNGY	Y	G	1,306.54
937	NCL cDNA FLJ45706 fis, clone FEBRA2028457, highly similar to Nucleolin	IPI00444262,IPI00604620,IPI00827674	65,945.80	297	313	VTQDELKEVFEDAAEIR	K	L	1,991.99
938	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	298	306	NMMAACDPR	K	H	1,081.42
939	SMC2 Isoform 1 of Structural maintenance of chromosomes protein 2	IPI00007927,IPI00232806	135,642.70	298	308	SLEDALAEAQR	R	V	1,202.60
940	TUBB Tubulin beta chain	IPI00011654	49,652.60	298	306	NMMAACDPR	K	H	1,081.42
941	PCBP1 Poly(rC)-binding protein 1	IPI00016610	37,480.20	298	306	QGANINEIR	R	Q	1,014.53
942	PSMC2 26S protease regulatory subunit 7	IPI00021435	48,617.60	298	312	TMLELINQLDGFDPDR	R	G	1,761.88
943	TUBB4 Tubulin beta-4 chain	IPI00023598	49,567.40	298	306	NMMAACDPR	K	H	1,081.42
944	TUBB2B Tubulin beta-2B chain	IPI00031370	49,935.10	298	306	NMMAACDPR	K	H	1,081.42
945	SFPQ Isoform Long of Splicing factor, proline- and glutamine-rich	IPI00010740	76,131.50	299	315	LFVGNLPPADITEDEFKR	R	L	1,964.01
946	EIF3I Eukaryotic translation initiation factor 3 subunit I	IPI00012795	36,484.00	299	310	SYSSGGEDGYVR	K	I	1,276.54
947	FASN Fatty acid synthase	IPI00026781	273,382.00	299	310	VGDPQELNGITR	K	A	1,298.67
948	FASN Fatty acid synthase	IPI00026781	273,382.00	299	310	VGDPQELNGITR	K	A	1,298.67
949	FASN Fatty acid synthase	IPI00026781	273,382.00	299	310	VGDPQELNGITR	K	A	1,298.67
950	NCAPD2 Condensin complex subunit 1	IPI00299524	157,155.30	299	310	GFAAFLTELAER	K	V	1,324.69
951	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	70,881.80	300	311	ARFEELNADLFR	R	G	1,480.75
952	HNRNPF Heterogeneous nuclear ribonucleoprotein F	IPI00003881	45,653.80	300	316	ATENDIYNFFSPLNPVR	K	V	1,996.98
953	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	300	316	ATENDIYNFFSPLNPVR	R	V	1,996.98
954	LDHB L-lactate dehydrogenase B chain	IPI00219217	36,620.60	300	308	GLTSVINQK	R	L	959.5521
955	HNRNPA2B1 43 kDa protein	IPI00874030	43,234.30	300	327	GFGDGYNGYGGGPGGGNFG GSPGYGGGR	R	G	2,495.04
956	ACTN4 Alpha-actinin-4	IPI00013808	104,839.20	301	310	LASDLLEWIR	K	R	1,215.67
957	AOF2 Isoform 2 of Lysine-specific histone demethylase 1	IPI00217540,IPI00456631	95,137.70	301	315	VIIIGSGVSGLAAAR	K	Q	1,383.83
958	PSMD13 proteasome 26S non-ATPase subunit 13 isoform 2	IPI00375380,IPI00549672	42,924.90	304	315	ITVNEVELLMK	K	A	1,387.79
959	GNB1 Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1	IPI00026268,IPI00642117	37,359.50	305	314	AGVLAGHDNR	R	V	1,009.52
960	TOP2A Isoform 3 of DNA topoisomerase 2-alpha	IPI00218753,IPI00414101,IPI00478232,IPI00879004	178,700.70	307	321	GFQQISFVNSIATSK	K	S	1,626.85
961	CCT4 T-complex protein 1 subunit delta	IPI00302927,IPI00873222,IPI00893358	57,907.90	307	319	DALSDLALHFLNK	R	M	1,456.78
962	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	307	319	SLTNDWEDHLAVK	K	H	1,527.74
963	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	307	327	FTASAGIQVVGDDLTVTNPKR	K	I	2,189.16
964	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	307	326	FTASAGIQVVGDDLTVTNPK	K	R	2,033.06
965	FAM62A Isoform 1 of Extended synaptotagmin-1	IPI00022143,IPI00746655,IPI00902463	122,841.10	308	323	LLVPLVPDLQDVAQLR	R	S	1,789.06
966	PSMD1 Isoform 1 of 26S proteasome non-ATPase regulatory subunit 1	IPI00299608,IPI00456695	105,821.20	308	323	VGKTPASPEPKDQTL	F	K	1,696.88
967	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	308	323	VILHLKEDQTEYLEER	K	R	2,015.04

968	ATP6V1A V-type proton ATPase catalytic subunit A	IPI00007682	68,287.40	309	323	TALVANTSNMMPVAAR	R	E	1,515.79
969	PTBP1 polypyrimidine tract-binding protein 1 isoform a	IPI00183626,IPI00334175	59,616.40	309	325	AGAGFPPTFAIPQAAGL	Y	S	1,585.84
970	LDHB L-lactate dehydrogenase B chain	IPI00219217	36,620.60	309	319	LKDDEVAQLKK	K	S	1,286.73
971	HNRNPA2B1 43 kDa protein	IPI00874030	43,234.30	309	330	GGGPGGGNFGGSPGYGGG RGGY	Y	G	1,841.80
972	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	310	318	YLTVAAVFR	R	G	1,039.59
973	TUBB Tubulin beta chain	IPI00011654	49,652.60	310	318	YLTVAAVFR	R	G	1,039.59
974	TUBB4 Tubulin beta-4 chain	IPI00023598	49,567.40	310	318	YLTVAAVFR	R	G	1,039.59
975	GAPDH Glyceraldehyde-3-phosphate dehydrogenase	IPI00219018,IPI00795257	36,035.30	310	323	LISWYDNEFGYSNR	K	V	1,763.80
976	YARS Tyrosyl-tRNA synthetase, cytoplasmic	IPI00007074	59,127.10	311	319	NSVEVALNK	K	L	973.5312
977	ATIC Bifunctional purine biosynthesis protein PURH	IPI00289499	64,598.50	312	331	MSSFGDFVALSDVCDVPTAK	R	I	2,145.98
978	CDC37 Hsp90 co-chaperone Cdc37	IPI00013122	44,450.20	313	323	DVQMLQDAISK	K	M	1,247.63
979	PCBP1 Poly(rC)-binding protein 1	IPI00016610	37,480.20	315	325	IANPVEGSSGR	K	Q	1,086.55
980	GAPDH Glyceraldehyde-3-phosphate dehydrogenase	IPI00219018,IPI00795257	36,035.30	315	320	DNEFGY	Y	S	744.2835
981	PCCA propionyl-Coenzyme A carboxylase, alpha polypeptide isoform a precursor	IPI00744115,IPI00796978,IPI00895869	80,041.20	315	325	AMGEQAVALAR	R	A	1,116.58
982	STIP1 Stress-induced-phosphoprotein 1	IPI00013894,IPI00871856	62,624.10	316	325	YKDAIHFYNK	K	S	1,298.65
983	ACTG1 Actin, cytoplasmic 2	IPI00021440	41,775.90	316	326	EITALAPSTMK	K	I	1,161.62
984	NUDC Nuclear migration protein nudC	IPI00550746,IPI00871312	38,225.70	316	327	FMDQHPMDFSK	K	A	1,511.63
985	HNRNPF Heterogeneous nuclear ribonucleoprotein F	IPI00003881	45,653.80	317	326	VHIEIGPDGR	R	V	1,092.58
986	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	317	326	VHIEIGPDGR	R	V	1,092.58
987	XPOT Exportin-T	IPI00306290	109,948.60	317	328	NAQEALQAIETK	K	V	1,315.69
988	SSB Lupus La protein	IPI00009032,IPI00916802	46,821.00	318	328	IIEDQQESLNK	K	W	1,316.67
989	RUVBL1 Isoform 1 of RuvB-like 1	IPI00021187	50,211.40	318	333	ALESSIAPIVIFASNR	R	G	1,687.94
990	FKBP4 FK506-binding protein 4	IPI00219005	51,787.90	319	331	LASHLNLAMCHLK	R	L	1,507.79
991	NCAPD3 Condensin-2 complex subunit D3	IPI00747787	168,876.10	319	331	APLAVTSQVINCR	R	N	1,428.76
992	GARS Glycyl-tRNA synthetase	IPI00783097,IPI00915808	83,123.50	319	331	LPFAAAQIGNSFR	K	N	1,391.74
993	PCBP2 poly(rC) binding protein 2 isoform b	IPI00012066,IPI00470509,IPI00791223,IPI00796337	38,204.50	320	330	IANPVEGSTDR	K	Q	1,158.58
994	LMNA Isoform A of Lamin-A/C	IPI00021405,IPI00216952,IPI00216953,IPI00514204,IPI00644087,IPI00655812	74,122.60	320	329	LRDLEDLAR	K	E	1,187.64
995	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	321	336	MSMKEVDEQMLNVQNK	R	N	1,923.90
996	TUBB Tubulin beta chain	IPI00011654	49,652.60	321	336	MSMKEVDEQMLNVQNK	R	N	1,923.90
997	G3BP1 Ras GTPase-activating protein-binding protein 1	IPI00012442	52,144.80	321	331	EAGEQGDIEPR	R	R	1,200.55
998	G3BP1 Ras GTPase-activating protein-binding protein 1	IPI00012442	52,144.80	321	331	EAGEQGDIEPR	R	R	1,200.55
999	TUBB2B Tubulin beta-2B chain	IPI00031370	49,935.10	321	336	MSMKEVDEQMLNVQNK	R	N	1,923.90
1000	TUBA1A Tubulin alpha-1A chain	IPI00180675	50,117.70	321	326	GDVVPK	R	D	614.3509
1001	CCT7 T-complex protein 1 subunit eta	IPI00018465	59,349.80	322	344	TMMACGGSIQTSVNALSADV LGR	R	C	2,339.12
1002	ACACA Isoform 1 of Acetyl-CoA carboxylase 1	IPI00011569	265,538.40	323	335	KVNNADDFPNLFR	R	Q	1,549.78
1003	ALDOA Fructose-bisphosphate aldolase A	IPI00465439,IPI00796333	39,402.60	323	331	AAQEEYVKR	K	A	1,093.56
1004	CCT5 T-complex protein 1 subunit epsilon	IPI00010720,IPI00910316	59,654.30	324	340	WVGGPEIELIAIATGGR	R	I	1,738.95
1005	GAPDH Glyceraldehyde-3-phosphate dehydrogenase	IPI00219018,IPI00795257	36,035.30	324	335	VVDLMAHMASKE	R	-	1,330.65
1006	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	325	336	EVDEQMLNVQNK	K	N	1,446.69
1007	TUBB Tubulin beta chain	IPI00011654	49,652.60	325	336	EVDEQMLNVQNK	K	N	1,446.69
1008	EIF4A1 Eukaryotic initiation factor 4A-I	IPI00025491,IPI00871852	46,137.30	325	334	VLITDILLAR	R	G	1,114.68
1009	TUBB2B Tubulin beta-2B chain	IPI00031370	49,935.10	325	336	EVDEQMLNVQNK	K	N	1,446.69
1010	NONO Non-POU domain-containing octamer-binding protein	IPI00304596	54,213.60	325	337	RMEELHNQEVQKR	R	K	1,696.85

1011	NONO Non-POU domain-containing octamer-binding protein	IPI00304596	54,213.60	325	336	RMEELHNQEVQK	R	R	1,540.75
1012	EFTUD2 116 kDa U5 small nuclear ribonucleoprotein component	IPI00003519,IPI00917777	109,420.10	326	341	IYADTFGDINYQEFAK	K	R	1,894.89
1013	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	326	342	LDKAQIHLDLVLVGGSTR	K	I	1,822.02
1014	TUBA1A Tubulin alpha-1A chain	IPI00180675	50,117.70	327	336	DVNAAIATIK	K	T	1,015.58
1015	PKM2 cDNA FLJ53368, highly similar to Pyruvate kinase isozymes M1/M2	IPI00847989	49,880.20	327	348	LAPITSDPTEATAVGAVEASFK	R	C	2,175.12
1016	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	70,881.80	329	342	SQIHDIIVLVGGSTR	K	I	1,481.81
1017	CKAP5 Isoform 1 of Cytoskeleton-associated protein 5	IPI00028275,IPI00472887	225,483.70	331	342	DTNVMLVALAAK	K	C	1,245.69
1018	CSE1L Isoform 1 of Exportin-2	IPI00022744,IPI00219994	110,403.90	332	346	NLFEDQNTLTSICEK	K	V	1,811.85
1019	FKBP4 FK506-binding protein 4	IPI00219005	51,787.90	332	344	LQAFSAAIESCNK	K	A	1,438.70
1020	BAT3 Isoform 1 of Large proline-rich protein BAT3	IPI00465128,IPI00640922,IPI00641333,IPI00641784,IPI00642962,IPI00645431,IPI00894269,IPI00894467	119,389.30	332	344	LLGNTFVALSDLR	R	C	1,418.80
1021	ALDOA Fructose-bisphosphate aldolase A	IPI00465439,IPI00796333	39,402.60	332	342	ALANSLACQ GK	R	Y	1,132.58
1022	ALDOA Fructose-bisphosphate aldolase A	IPI00465439,IPI00796333	39,402.60	332	342	ALANSLACQ GK	R	Y	1,132.58
1023	RFC5 Replication factor C subunit 5	IPI00031514,IPI00373883,IPI00908568	38,480.40	334	340	DLIVAEA	R	-	730.3982
1024	YARS Tyrosyl-tRNA synthetase, cytoplasmic	IPI00007074	59,127.10	336	346	LASAAYDPDSK	K	Q	1,119.57
1025	HNRNPA1 Isoform A1-B of Heterogeneous nuclear ribonucleoprotein A1	IPI00215965,IPI00465365	38,828.10	337	352	SSGPYGGGGQYFAKPR	R	N	1,628.78
1026	PLS3 plastin 3	IPI00216694	70,795.90	337	346	AESMLQQADK	R	L	1,120.53
1027	MTHFD1 C-1-tetrahydrofolate synthase, cytoplasmic	IPI00218342,IPI00794900	101,543.50	337	352	EIGLLSEEVLYGETK	R	A	1,808.92
1028	PTBP1 polypyrimidine tract-binding protein 1 isoform a	IPI00183626,IPI00334175	59,616.40	338	365	AIPSAAAAAAGRIAIPGLAG	L	L	2,402.35
1029	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	338	348	AGNSVL RAPFDLFENKK	R	K	1,364.73
1030	GNB2L1 38 kDa protein	IPI00641950,IPI00848226	37,740.10	338	346	VWQVTIGTR	R	-	1,059.59
1031	COPG2 Coatomer subunit gamma-2	IPI00002557	97,606.50	339	350	SIATLAITTLK	R	T	1,244.78
1032	RRM2 Ribonucleoside-diphosphate reductase M2 subunit	IPI00011118	51,076.50	339	348	HLVHKPSEER	K	V	1,231.65
1033	TBC1D4 TBC1D4 protein	IPI00220901	146,592.30	339	355	HASAPSHVQPSDSEKNR	R	T	1,846.88
1034	COPG Coatomer subunit gamma	IPI00783982	97,701.40	339	350	SIATLAITTLK	R	T	1,244.78
1035	RUVBL1 Isoform 1 of RuvB-like 1	IPI00021187	50,211.40	340	357	GTEDITSPHGIPLDLLDR	R	V	1,949.00
1036	TUBA1A Tubulin alpha-1A chain	IPI00180675	50,117.70	340	352	TIQFVDWCPTGFK	R	V	1,598.77
1037	COPB1 Coatomer subunit beta	IPI00295851	107,128.00	340	351	TLQLALDLVSSR	K	N	1,315.76
1038	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	341	361	FVEWIPNNVKTAVCDIPPRGL	Y	K	2,425.27
1039	TUBB Tubulin beta chain	IPI00011654	49,652.60	341	361	FVEWIPNNVKTAVCDIPPRGL	Y	K	2,425.27
1040	EEF1A1 Elongation factor 1-alpha 1	IPI00396485	50,123.20	341	357	TAQVIILNHPGQISAGY	F	A	1,781.95
1041	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	341	354	LLKVNQIGSVTESL	L	Q	1,500.86
1042	CKB Creatine kinase B-type	IPI00022977,IPI00908811	42,627.10	342	358	LGFSEVELVQMVVDGVK	R	L	1,848.98
1043	PRPF6 Pre-mRNA-processing factor 6	IPI00305068	106,909.70	342	351	SEDVWLEAAR	K	L	1,175.57
1044	- 69 kDa protein	IPI00172590,IPI00658145	69,299.70	343	354	DSALEFLTQLSR	R	H	1,379.72
1045	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	344	358	VNQIGSVTESLQACK	K	L	1,633.82
1046	CCT7 T-complex protein 1 subunit eta	IPI00018465	59,349.80	345	357	CQVFEETQIGGER	R	Y	1,552.71
1047	ILF2 Interleukin enhancer-binding factor 2	IPI00005198	43,044.70	347	358	DGVIVTPSEKAY	W	E	1,278.66
1048	PCBP2 poly(rC) binding protein 2 isoform b	IPI00012066,IPI00470509,IPI00791223,IPI00796337	38,204.50	347	362	LINVRLSSETGGMGSS	Y	-	1,607.81
1049	PCBP2 poly(rC) binding protein 2 isoform b	IPI00012066,IPI00470509,IPI00791223,IPI00796337	38,204.50	347	362	LINVRLSSETGGMGSS	Y	-	1,607.81
1050	HNRNPR Heterogeneous nuclear ribonucleoprotein R	IPI00012074,IPI00644055,IPI00856037,IPI00856038,IPI00910614	70,925.80	347	359	NLATTVTEEILEK	R	S	1,460.78
1051	ACSL3 Long-chain-fatty-acid--CoA ligase 3	IPI00031397	80,405.10	349	363	IGYSSPQTLDQSSK	R	I	1,581.78
1052	NAMPT Isoform 1 of Nicotinamide phosphoribosyltransferase	IPI00018873,IPI00472879	55,504.50	350	369	VIQGDGVDINTLQEIVGMK	R	Q	2,158.11
1053	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	351	359	TAVCDIPPR	K	G	1,028.52
1054	TUBB Tubulin beta chain	IPI00011654	49,652.60	351	359	TAVCDIPPR	K	G	1,028.52

1055	TUBB4 Tubulin beta-4 chain	UPI00023598	49,567.40	351	359	TAVCDIPPR	K	G	1,028.52
1056	TUBB2B Tubulin beta-2B chain	UPI00031370	49,935.10	351	359	TAVCDIPPR	K	G	1,028.52
1057	NCL cDNA FLJ45706 fis, clone FEBRA2028457, highly similar to Nucleolin	UPI00444262,UPI00604620,UPI00827674	65,945.80	351	360	SISLYYTGEK	R	G	1,160.58
1058	UBA1 Ubiquitin-like modifier-activating enzyme 1	UPI00645078	117,832.30	351	368	NEEDAAELVALAQAVNAR	R	A	1,883.95
1059	STIP1 Stress-induced-phosphoprotein 1	UPI00013894,UPI00871856	62,624.10	352	364	LAYINPDLALEEK	R	N	1,488.79
1060	PTBP1 polypyrimidine tract-binding protein 1 isoform a	UPI00183626,UPI00334175	59,616.40	352	374	IAIPGLAGAGNSVLLVSNLNPE R	R	V	2,275.28
1061	CCT5 T-complex protein 1 subunit epsilon	UPI00010720,UPI00910316	59,654.30	353	368	LGFAGLVQEISFGTTK	K	D	1,667.90
1062	ARMC6 Armadillo repeat-containing protein 6	UPI00020196,UPI00470847,UPI00871811	54,123.50	353	366	AIAGNDDVKDAIVR	R	A	1,456.78
1063	ATP2A2 Isoform SERCA2A of Sarcoplasmic/endoplasmic reticulum calcium ATPase 2	UPI00177817,UPI00219078,UPI00747443,UPI00914019	109,674.90	353	365	TGTLTTNQMSVCR	K	M	1,468.69
1064	TUBA1A Tubulin alpha-1A chain	UPI00180675	50,117.70	353	370	VGINYQPPTVVPGGDLAK	K	V	1,824.99
1065	HNRNPA1 Isoform A1-B of Heterogeneous nuclear ribonucleoprotein A1	UPI00215965,UPI00465365	38,828.10	353	370	NQGGYGGSSSSSYGSGR	R	R	1,694.70
1066	PSMD4 Isoform Rpn10A of 26S proteasome non-ATPase regulatory subunit 4	UPI00022694,UPI00216247	40,719.20	354	365	NAMGSLASQATK	R	D	1,178.58
1067	PFKP 6-phosphofructokinase type C	UPI00009790	85,579.40	355	369	LPLMECVQMTQDVQK	R	A	1,819.88
1068	CSE1L Isoform 1 of Exportin-2	UPI00022744,UPI00219994	110,403.90	355	369	RAADEEFEDNSEEY	F	I	1,774.70
1069	HNRNPA3 Isoform 1 of Heterogeneous nuclear ribonucleoprotein A3	UPI00419373	39,577.10	355	376	SSGSPYGGGYGSGGGSGGY R	R	R	1,910.79
1070	HNRNPA3 Isoform 1 of Heterogeneous nuclear ribonucleoprotein A3	UPI00419373	39,577.10	355	376	SSGSPYGGGYGSGGGSGGY R	R	R	1,910.79
1071	BAT1 Isoform 2 of Spliceosome RNA helicase BAT1	UPI00641829,UPI00792043,UPI00848161,UPI00893580	50,662.10	355	364	ILVATNLFGR	R	G	1,103.66
1072	PSMD3 26S proteasome non-ATPase regulatory subunit 3	UPI00011603	60,961.60	356	368	SLMPYFLLTQAVR	R	T	1,538.84
1073	TCP1 T-complex protein 1 subunit alpha	UPI00290566	60,327.20	356	365	ICDDELILIK	R	N	1,231.66
1074	TKT transketolase isoform 2	UPI00792641	58,965.00	356	373	SVPTSTVFYPSDGVATEK	R	A	1,884.92
1075	LAP3 Isoform 1 of Cytosol aminopeptidase	UPI00419237,UPI00789806	56,149.70	357	368	TIQVDNTDAEGR	K	L	1,318.62
1076	PSMD2 26S proteasome non-ATPase regulatory subunit 2	UPI00012268	100,184.20	358	369	FGGSGSQVDSAR	R	M	1,167.54
1077	CCT7 T-complex protein 1 subunit eta	UPI00018465	59,349.80	358	366	YNFFTGCPK	R	A	1,133.51
1078	EEF1A1 Elongation factor 1-alpha 1	UPI00396485	50,123.20	358	372	APVLDCHTAHIACKF	Y	A	1,739.84
1079	RRM2 Ribonucleoside-diphosphate reductase M2 subunit	UPI00011118	51,076.50	359	371	IEQFLTEALPVK	R	L	1,516.83
1080	FKBP4 FK506-binding protein 4	UPI00219005	51,787.90	359	373	RGEAHLAVNDFELAR	R	A	1,697.87
1081	ENO1 Isoform alpha-enolase of Alpha-enolase	UPI00465248	47,152.20	359	372	LAQANGWGVMSHR	K	S	1,525.77
1082	SPTBN1 Isoform Long of Spectrin beta chain, brain 1	UPI00005614,UPI00871932	274,595.40	360	372	GNLEVLLFTIQSK	K	M	1,461.83
1083	SAAL1 Similar to Protein SAAL1. Isoform 2	UPI00304935	53,637.60	360	369	VLQNMEECQCK	R	K	1,277.60
1084	TOP2A Isoform 3 of DNA topoisomerase 2-alpha	UPI00218753,UPI00414101,UPI00478232,UPI00879004	178,700.70	361	372	HVDYVADQIVTK	R	L	1,387.72
1085	TUBB2C Tubulin beta-2C chain	UPI00007752	49,812.70	363	379	MSATFIGNSTAIQELFK	K	R	1,873.94
1086	TUBB Tubulin beta chain	UPI00011654	49,652.60	363	380	MAVTFIGNSTAIQELFKR	K	I	2,026.08
1087	TUBB Tubulin beta chain	UPI00011654	49,652.60	363	379	MAVTFIGNSTAIQELFK	K	R	1,885.97
1088	STAG3 Isoform 1 of Cohesin subunit SA-3	UPI00018353,UPI00177925,UPI00216104,UPI00216704,UPI00237806,UPI00303402,UPI00384172,UPI00413244,UPI00456705,UPI00556151,UPI00783228,UPI00878533,UPI00914949,REV_1291,REV_22366,REV_27206,REV_43329	139,019.40	363	368	CVKALK	K	G	718.4281
1089	TUBB4 Tubulin beta-4 chain	UPI00023598	49,567.40	363	380	MAATFIGNSTAIQELFKR	K	I	2,014.04
1090	TUBB2B Tubulin beta-2B chain	UPI00031370	49,935.10	363	379	MSATFIGNSTAIQELFK	K	R	1,873.94
1091	TBC1D4 TBC1D4 protein	UPI00220901	146,592.30	364	374	FEINLISPDTK	R	S	1,276.68
1092	TKT transketolase isoform 2	UPI00792641	58,965.00	364	377	YPSDGVATEKAVEL	F	A	1,478.74
1093	ATP6V1A V-type proton ATPase catalytic subunit A	UPI00007682	68,287.40	365	381	LAEMPADSGYPAYLGAR	R	L	1,781.85
1094	SMC3 Structural maintenance of chromosomes protein 3	UPI00219420	141,529.10	365	372	LAQATQER	R	T	916.4847
1095	MTR Methionine synthase	UPI00743284	140,514.40	365	377	IGPYTNFVNIGER	R	C	1,479.76

1096	SFPQ Isoform Long of Splicing factor, proline- and glutamine-rich	IPI00010740	76,131.50	366	376	FATHAAALSVR	R	N	1,143.63
1097	TARS Threonyl-tRNA synthetase, cytoplasmic	IPI00329633	83,419.80	368	381	GFQEVVTPNIFNSR	R	L	1,607.82
1098	PC Pyruvate carboxylase, mitochondrial	IPI00299402	129,616.70	369	377	INGCAIQCR	R	V	1,091.51
1099	UBA1 Ubiquitin-like modifier-activating enzyme 1	IPI00645078	117,832.30	369	384	ALPAVQQNNLDEDLIR	R	K	1,808.95
1100	XPOT Exportin-T	IPI00306290	109,948.60	370	381	ANVEAIMLAVMK	K	K	1,289.70
1101	G3BP2 Isoform A of Ras GTPase-activating protein-binding protein 2	IPI00009057,IPI00179890	54,102.30	371	387	LPNFGFVVFDSEPVQR	K	I	1,965.97
1102	FASN Fatty acid synthase	IPI00026781	273,382.00	371	393	DGRLQVVDQPLPVRGGNVGI NSF	L	G	2,437.29
1103	CSE1L Isoform 1 of Exportin-2	IPI00022744,IPI00219994	110,403.90	373	382	DLEGSIDTR	R	R	1,120.51
1104	FASN Fatty acid synthase	IPI00026781	273,382.00	374	384	LQVVDQPLPVR	R	G	1,263.74
1105	FASN Fatty acid synthase	IPI00026781	273,382.00	374	384	LQVVDQPLPVR	R	G	1,263.74
1106	TUBA1A Tubulin alpha-1A chain	IPI00180675	50,117.70	374	390	AVCMLSNTTAIAEAWAR	R	L	1,864.90
1107	TKT transketolase isoform 2	IPI00792641	58,965.00	374	382	AVEAANTK	K	G	916.5098
1108	RCC1 regulator of chromosome condensation 1 isoform a	IPI00001661,IPI00747309,IPI00787306	48,126.30	375	393	LPAVSSVACGASVGYAVTK	R	D	1,836.95
1109	MARS Methionyl-tRNA synthetase, cytoplasmic	IPI00008240	101,099.50	377	388	GFVLQDTVEQLR	R	C	1,404.75
1110	G3BP1 Ras GTPase-activating protein-binding protein 1	IPI00012442	52,144.80	377	393	LPNFGFVVFDSEPVQK	K	V	1,937.96
1111	ACTN1 Alpha-actinin-1	IPI00013508,IPI00759776,IPI00909239	103,043.00	377	387	GYEEWLLNEIR	K	R	1,421.71
1112	EIF3A Eukaryotic translation initiation factor 3 subunit A	IPI00029012	166,556.90	377	388	FNVLQYVVPEVK	R	D	1,434.80
1113	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IPI00290770,IPI00553185	60,446.30	377	388	GASKEILSEVER	R	N	1,317.70
1114	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	377	388	IRGVVDSIDLPL	F	N	1,312.71
1115	HNRNPK Isoform 1 of Heterogeneous nuclear ribonucleoprotein K	IPI00216049,IPI00216746,IPI00514561,IPI00807545,IPI00910458	50,960.50	378	396	GSYDGLGGPIITQVTIPK	R	D	1,917.03
1116	FKBP4 FK506-binding protein 4	IPI00219005	51,787.90	379	387	VLQLYPNNK	K	A	1,088.61
1117	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	379	392	GVVDSIDLPLNISR	R	E	1,513.79
1118	EFTUD2 116 kDa U5 small nuclear ribonucleoprotein component	IPI00003519,IPI00917777	109,420.10	380	394	ILAQVVGVDVDTSLPR	K	T	1,582.88
1119	NCL cDNA FLJ45706 fis, clone FEBRA2028457, highly similar to Nucleolin	IPI00444262,IPI00604620,IPI00827674	65,945.80	380	401	TLVLSNLSYSATEETLQEVFE K	K	A	2,501.27
1120	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	381	390	ISEQFTAMFR	R	R	1,245.59
1121	TUBB Tubulin beta chain	IPI00011654	49,652.60	381	390	ISEQFTAMFR	R	R	1,229.60
1122	TUBB Tubulin beta chain	IPI00011654	49,652.60	381	390	ISEQFTAMFR	R	R	1,229.60
1123	TUBB Tubulin beta chain	IPI00011654	49,652.60	381	390	ISEQFTAMFR	R	R	1,245.59
1124	TUBB4 Tubulin beta-4 chain	IPI00023598	49,567.40	381	390	ISEQFTAMFR	R	R	1,245.59
1125	TUBB2B Tubulin beta-2B chain	IPI00031370	49,935.10	381	390	ISEQFTAMFR	R	R	1,245.59
1126	ATP6V1A V-type proton ATPase catalytic subunit A	IPI00007682	68,287.40	382	388	LASFYER	R	A	885.4464
1127	SPTAN1 cDNA FLJ61399, highly similar to Spectrin alpha chain, brain	IPI00744706,IPI00843765,IPI00844215,IPI00871535,IPI00879810	282,131.80	382	402	ALINADELASDVAGAEALLDR	K	H	2,127.09
1128	COPA Isoform 1 of Coatomer subunit alpha	IPI00295857,IPI00646493	138,331.30	383	398	ASNLENSTYDLYTIPK	R	D	1,828.90
1129	HNRNPA2B1 43 kDa protein	IPI00874030	43,234.30	383	408	GGSRNMGGPYGGGNYGPG GSGGSGGY	F	G	2,276.94
1130	IRS4 Insulin receptor substrate 4	IPI00020729	133,751.30	385	397	AIGDGEDEMLFTR	R	R	1,453.66
1131	PFKP 6-phosphofructokinase type C	IPI00009790	85,579.40	386	396	SFAGNLNTYKR	R	L	1,270.65
1132	TFRC Transferrin receptor protein 1	IPI00022462	84,855.60	386	394	ILNIFGVK	K	G	1,016.65
1133	UBA1 Ubiquitin-like modifier-activating enzyme 1	IPI00645078	117,832.30	386	411	LAYVAAGDLAPINAFIGGLAAQ EVMK	K	A	2,619.39
1134	HNRNPA2B1 43 kDa protein	IPI00874030	43,234.30	387	411	NMGGPYGGGNYGPGGSGG SGGYGGR	R	S	2,189.91
1135	IQGAP1 Ras GTPase-activating-like protein IQGAP1	IPI00009342	189,240.60	389	401	LAVALINAAIQK	R	G	1,295.80
1136	TUBA1A Tubulin alpha-1A chain	IPI00180675	50,117.70	391	401	LDHKFDLMYAK	R	R	1,380.70
1137	PDS5A Isoform 2 of Sister chromatid cohesion protein PDS5 homolog A	IPI00303063,IPI00854642	150,817.50	391	404	DLALVNDQLLGFVR	R	E	1,572.87

1138	DDX5 Probable ATP-dependent RNA helicase DDX5	IPI00017617	69,131.70	392	403	APILIATDVASR	K	G	1,226.71
1139	DDX5 Probable ATP-dependent RNA helicase DDX5	IPI00017617	69,131.70	392	403	APILIATDVASR	K	G	1,226.71
1140	CCT4 T-complex protein 1 subunit delta	IPI00302927,IPI00873222,IPI00893358	57,907.90	392	403	GSNKLVIEEAER	R	S	1,344.71
1141	NAMPT Isoform 1 of Nicotinamide phosphoribosyltransferase	IPI00018873,IPI00472879	55,504.50	393	400	DLLNCSFK	R	C	996.482
1142	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	393	399	EMLQQSK	R	I	863.4292
1143	HNRNPA2B1 43 kDa protein	IPI00874030	43,234.30	393	408	GGGNYGPGGSGGSGGY	Y	G	1,300.52
1144	GDI2 cDNA FLJ60299, highly similar to Rab GDP dissociation inhibitor beta	IPI00031461	51,138.50	395	406	DLGTESQIFISR	K	T	1,365.70
1145	PFAS Phosphoribosylformylglycinamide synthase	IPI00004534	144,645.60	396	406	FGPEVLAGFAR	K	S	1,163.62
1146	ACTN4 Alpha-actinin-4	IPI00013808	104,839.20	396	406	GYEEWLLNEIR	K	R	1,421.71
1147	ACSL3 Long-chain-fatty-acid--CoA ligase 3	IPI00031397	80,405.10	398	406	VSEMSFQR	K	N	1,070.49
1148	EEF2 Elongation factor 2	IPI00186290	95,322.10	398	411	ISKMVPTSDKGRFY	Y	A	1,628.85
1149	DIS3 Isoform 1 of Exosome complex exonuclease RRP44	IPI00746351	108,987.70	398	407	IIVAIIDGWPR	R	N	1,139.66
1150	COPA Isoform 1 of Coatomer subunit alpha	IPI00295857,IPI00646493	138,331.30	399	412	DADSQNPDAPEGKR	K	S	1,499.67
1151	BAT1 Isoform 2 of Spliceosome RNA helicase BAT1	IPI00641829,IPI00792043,IPI00848161,IPI00893580	50,662.10	400	413	GLAITFVSDENDAK	K	I	1,479.73
1152	IPO4 Isoform 1 of Importin-4	IPI00156374,IPI00398009	118,700.70	402	411	GLEDPQSQVVR	K	N	1,099.57
1153	PRIM2 Isoform 1 of DNA primase large subunit	IPI00027705	58,791.20	403	416	ISPGGISQILDLVK	K	G	1,439.85
1154	DDX5 Probable ATP-dependent RNA helicase DDX5	IPI00017617	69,131.70	404	411	GLDVEDVK	R	F	874.4518
1155	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	404	414	EKYIDQEELNK	K	T	1,408.70
1156	ETF1 Eukaryotic peptide chain release factor subunit 1	IPI00429191	49,014.60	405	414	GFGGIGGILR	K	Y	946.5471
1157	EIF4G2 cDNA FLJ59571, highly similar to Eukaryotic translation initiation factor 4gamma 2	IPI00015952,IPI00782985	110,247.70	406	420	DLGVFIPAPMAQGM	K	S	1,602.81
1158	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	406	414	YIDQEELNK	K	T	1,151.56
1159	ARMC6 Armadillo repeat-containing protein 6	IPI00020196,IPI00470847,IPI00871811	54,123.50	407	422	IIVEGGGAVALQAMK	R	A	1,527.86
1160	DNM1L Isoform 5 of Dynamin-1-like protein	IPI00037283,IPI00146935,IPI00235412,IPI00473085,IPI00555883,IPI00871742	85,362.60	407	418	YIETSELGGAR	K	I	1,355.63
1161	PGK1 Phosphoglycerate kinase 1	IPI00169383	44,597.30	407	417	VLPQVDALSNI	K	-	1,097.62
1162	PC Pyruvate carboxylase, mitochondrial	IPI00299402	129,616.70	407	428	LDNASAFQGAIVSPHYDSSLV K	R	V	2,345.21
1163	MYH9 Isoform 1 of Myosin-9	IPI00019502	226,519.50	408	419	EQADFAIEALAK	K	A	1,305.67
1164	PRPF6 Pre-mRNA-processing factor 6	IPI00305068	106,909.70	409	420	AAVELEPEDAR	K	I	1,328.63
1165	FKBP4 FK506-binding protein 4	IPI00219005	51,787.90	410	417	LYANMFER	K	L	1,043.50
1166	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	412	423	RIEEELGSKAKF	L	A	1,406.76
1167	MSN Moesin	IPI00219365,IPI00872814	67,803.80	413	427	TQEQLALEMAELTAR	K	I	1,703.86
1168	COPA Isoform 1 of Coatomer subunit alpha	IPI00295857,IPI00646493	138,331.30	413	423	SSGLTAVWVAR	R	N	1,146.63
1169	EEF2 Elongation factor 2	IPI00186290	95,322.10	416	426	VFSGLVSTGLK	R	V	1,107.64
1170	EEF2 Elongation factor 2	IPI00186290	95,322.10	416	426	VFSGLVSTGLK	R	V	1,107.64
1171	CSE1L Isoform 1 of Exportin-2	IPI00022744,IPI00219994	110,403.90	417	424	AKNPSVNW	Y	K	915.4682
1172	CDC7 Cell division cycle 7-related protein kinase	IPI00448121	63,871.70	417	431	ASDDLTLAQIMTIR	K	G	1,618.85
1173	DHX9 ATP-dependent RNA helicase A	IPI00844578	140,943.50	418	434	TTQVPQFILDDFIQNDR	K	A	2,050.02
1174	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	420	435	TRNPDDITNEEYGEFY	W	K	1,962.84
1175	RARS Isoform Complexed of Arginyl-tRNA synthetase, cytoplasmic	IPI00004860	75,364.00	421	437	AAAQMIGWYDPKVTRVF	F	H	1,953.01
1176	FANCI Isoform 3 of Fanconi anemia group I protein	IPI00306518	149,310.90	421	431	LGANILLETFK	K	I	1,218.71
1177	HSPD1 60 kDa heat shock protein, mitochondrial	IPI00784154	61,037.70	421	429	VTDALNATR	R	A	960.5109
1178	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	422	436	NPDDITNEEYGEFYK	R	S	1,833.78
1179	IARS Isoleucyl-tRNA synthetase, cytoplasmic	IPI00644127,IPI00877938	144,944.40	423	432	VENMVDQLLR	R	N	1,216.64

1180	PSMD3 26S proteasome non-ATPase regulatory subunit 3	IPI00011603	60,961.60	426	440	LQLDSPEDAEIFIVAK	K	A	1,674.86
1181	CCT7 T-complex protein 1 subunit eta	IPI00018465	59,349.80	426	440	TIPGKQQLLIGAYAK	R	A	1,600.94
1182	CSE1L Isoform 1 of Exportin-2	IPI00022744,IPI00219994	110,403.90	426	440	HKDAAIYLVTSLSASK	K	A	1,616.90
1183	NUP107 Nuclear pore complex protein Nup107	IPI00028005	106,358.70	426	436	AIYAALSGNLK	R	Q	1,120.64
1184	FKBP4 FK506-binding protein 4	IPI00219005	51,787.90	427	445	AEASSGDHPTDTEMKEEQK	K	S	2,089.90
1185	ATIC Bifunctional purine biosynthesis protein PURH	IPI00289499	64,598.50	427	437	YTQNSVVCYAK	K	N	1,320.59
1186	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IPI00290770,IPI00553185	60,446.30	427	437	AMTGVQWQWYR	K	A	1,337.63
1187	CSE1L Isoform 1 of Exportin-2	IPI00022744,IPI00219994	110,403.90	428	440	DAAIYLVTSLSASK	K	A	1,351.75
1188	GDI2 cDNA FLJ60299, highly similar to Rab GDP dissociation inhibitor beta	IPI00031461	51,138.50	428	440	MTGSEFDFEEMKR	R	K	1,606.69
1189	TFRC Transferrin receptor protein 1	IPI00022462	84,855.60	429	439	LAQMFSDMVLK	K	D	1,282.65
1190	TFRC Transferrin receptor protein 1	IPI00022462	84,855.60	429	439	LAQMFSDMVLK	K	D	1,282.65
1191	HSPD1 60 kDa heat shock protein, mitochondrial	IPI00784154	61,037.70	430	446	AAVEEGIVLGGGCALLR	R	C	1,684.91
1192	NAT10 N-acetyltransferase 10	IPI00300127	115,690.20	433	447	QQSAQSQVSTTAENK	R	T	1,606.77
1193	STIP1 Stress-induced-phosphoprotein 1	IPI00013894,IPI00871856	62,624.10	434	446	KAAALEAMKDYTK	R	A	1,439.76
1194	AMOT Isoform 1 of Angiomotin	IPI00163085,IPI00642249,IPI00644547	118,066.40	434	446	AQQMVEILSDENR	R	N	1,532.74
1195	TARS Threonyl-tRNA synthetase, cytoplasmic	IPI00329633	83,419.80	434	442	LADFGVLHR	R	N	1,027.57
1196	PFKP 6-phosphofructokinase type C	IPI00009790	85,579.40	435	442	VGIADGHR	R	M	824.4374
1197	NONO Non-POU domain-containing octamer-binding protein	IPI00304596	54,213.60	435	456	FGQAATMEGIGAIGGTPPAFN R	R	A	2,163.07
1198	DHX9 ATP-dependent RNA helicase A	IPI00844578	140,943.50	435	446	AAECNIVVTQPR	R	R	1,357.69
1199	ATP2A2 Isoform SERCA2A of Sarcoplasmic/endoplasmic reticulum calcium ATPase 2	IPI00177817,IPI00219078,IPI00747443,IPI00914019	109,674.90	437	451	VGEATETALTCLVEK	K	M	1,620.82
1200	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	437	449	SLTNDWEDHLAVK	K	H	1,527.74
1201	RAD21 Double-strand-break repair protein rad21 homolog	IPI00006715	71,673.60	438	450	DVIDEPIIEECSR	R	L	1,511.76
1202	ATIC Bifunctional purine biosynthesis protein PURH	IPI00289499	64,598.50	438	451	NGQVIGIGAGQQSR	K	I	1,384.73
1203	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IPI00290770,IPI00553185	60,446.30	438	448	AVAQALEVIPR	R	T	1,166.69
1204	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IPI00290770,IPI00553185	60,446.30	438	448	AVAQALEVIPR	R	T	1,166.69
1205	HNRNPU cDNA FLJ44920 fis, clone BRAMY3011501, highly similar to Heterogeneous nuclear ribonucleoprotein U	IPI00640106,IPI00644079	83,067.80	439	450	VTKHAAENPGKY	W	N	1,314.68
1206	CCT8 59 kDa protein	IPI00302925,IPI00784090	59,460.90	440	449	FAEAFEAIR	K	A	1,150.59
1207	PSMD3 26S proteasome non-ATPase regulatory subunit 3	IPI00011603	60,961.60	441	455	AIRDGVIASINHEK	K	G	1,651.88
1208	HNRNPU cDNA FLJ44920 fis, clone BRAMY3011501, highly similar to Heterogeneous nuclear ribonucleoprotein U	IPI00640106,IPI00644079	83,067.80	442	461	HAAENPGKYNILGTNTIMDK	K	M	2,187.09
1209	SPTAN1 cDNA FLJ61399, highly similar to Spectrin alpha chain, brain	IPI00744706,IPI00843765,IPI00844215,IPI00871535,IPI00879810	282,131.80	442	449	LTVLSEER	K	A	946.5204
1210	KPNA6 cDNA FLJ53229, highly similar to Importin alpha-7 subunit	IPI00747764	60,563.50	442	455	IVQVALNGLLENILR	K	L	1,551.92
1211	PFKP 6-phosphofructokinase type C	IPI00009790	85,579.40	443	455	MLAIYDGFDFGFAK	R	G	1,447.69
1212	TARS Threonyl-tRNA synthetase, cytoplasmic	IPI00329633	83,419.80	443	454	NELSGALTGLTR	R	V	1,231.66
1213	SPTBN1 Isoform Long of Spectrin beta chain, brain 1	IPI00005614,IPI00871932	274,595.40	444	462	LVSQDNFGFDLPAVEAATK	R	K	2,022.02
1214	TCP1 T-complex protein 1 subunit alpha	IPI00290566	60,327.20	444	466	SLLVIPNTLAVNAAQDSTDLVA R K	R	L	2,353.30
1215	ZNF326 Isoform 1 of Zinc finger protein 326	IPI00373877,IPI00872597	65,635.50	444	459	ESVLTATSILNNPIVK	R	A	1,698.96
1216	PTBP1 polypyrimidine tract-binding protein 1 isoform a	IPI00183626,IPI00334175	59,616.40	445	463	EGQEDQGLTKDYGNSPLHR	R	F	2,144.00

1217	ATP1A1 Isoform Long of Sodium/potassium-transporting ATPase subunit alpha-1	IPI00006482,IPI00646182	112,881.50	446	458	AVAGDASESALLK	R	C	1,231.65
1218	ATP1A1 Isoform Long of Sodium/potassium-transporting ATPase subunit alpha-1	IPI00006482,IPI00646182	112,881.50	446	458	AVAGDASESALLK	R	C	1,231.65
1219	FKBP4 FK506-binding protein 4	IPI00219005	51,787.90	446	459	SNTAGSQSQVETEA	K	-	1,408.62
1220	ACSL3 Long-chain-fatty-acid--CoA ligase 3	IPI00031397	80,405.10	447	461	LLLCGGAPLSATTQR	R	F	1,557.84
1221	TCP1 T-complex protein 1 subunit alpha	IPI00290566	60,327.20	447	467	VIPNTLAVNAAQDSTDLVAKL	L	R	2,153.18
1222	CCT7 T-complex protein 1 subunit eta	IPI00018465	59,349.80	448	463	QLCDNAGFDATNILNK	R	L	1,793.85
1223	COPA Isoform 1 of Coatomer subunit alpha	IPI00295857,IPI00646493	138,331.30	448	467	VQVPCNCEIFYAGTGNNLLR	K	D	2,279.15
1224	TKT transketolase isoform 2	IPI00792641	58,965.00	448	459	VLDPFTIKPLDR	R	K	1,413.81
1225	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IPI00290770,IPI00553185	60,446.30	449	460	TLIQNCGASTIR	R	L	1,333.69
1226	EEF1D Elongation factor 1-delta	IPI00023048,IPI00064086,IPI00642971,IPI00789435	71,390.30	450	461	IASLEVENQSLR	R	G	1,358.73
1227	CNOT1 Isoform 1 of CCR4-NOT transcription complex subunit 1	IPI00166010,IPI00880052	266,926.70	450	459	SLDLIESLLR	K	L	1,158.67
1228	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IPI00290770,IPI00553185	60,446.30	451	462	IQNCGASTIRLL	L	T	1,345.73
1229	POLD1 DNA polymerase delta catalytic subunit	IPI00002894,IPI00556021,IPI00655631	123,615.50	455	465	VQMDMLQVLLR	R	E	1,345.73
1230	CKAP5 Isoform 1 of Cytoskeleton-associated protein 5	IPI00028275,IPI00472887	225,483.70	457	468	DAAFEALGTALK	R	V	1,206.64
1231	EEF2 Elongation factor 2	IPI00186290	95,322.10	457	481	YVEPIEDVPCGNIVGLVGVDQ FLVK	R	T	2,759.43
1232	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	457	475	YHTSQSGDEMTSLSEYVSR	R	M	2,176.95
1233	IPO4 Isoform 1 of Importin-4	IPI00156374,IPI00398009	118,700.70	458	472	ACYALENFVENLGPK	K	V	1,724.83
1234	EEF2 Elongation factor 2	IPI00186290	95,322.10	458	478	VEPIEDVPCGNIVGLVGVDQF	Y	L	2,256.12
1235	SLC2A1 Solute carrier family 2, facilitated glucose transporter member 1	IPI00220194,IPI00872375,IPI00909237	54,067.30	459	468	TFDEIASGFR	R	Q	1,142.55
1236	PFKP 6-phosphofructokinase type C	IPI00009790	85,579.40	460	480	EIGWTDVGGWTGQGGGSILGT K	K	R	2,119.05
1237	DDX5 Probable ATP-dependent RNA helicase DDX5	IPI00017617	69,131.70	461	472	REANQAINPKLL	L	Q	1,366.78
1238	ILF3 Isoform 5 of Interleukin enhancer-binding factor 3	IPI00219330,IPI00298788,IPI00298789,IPI00414335,IPI00418313,IPI00556173	74,589.90	461	474	VLQDMGLPTGAEGR	K	D	1,443.73
1239	ILF3 Isoform 5 of Interleukin enhancer-binding factor 3	IPI00219330,IPI00298788,IPI00298789,IPI00414335,IPI00418313,IPI00556173	74,589.90	461	474	VLQDMGLPTGAEGR	K	D	1,443.73
1240	EEF1D Elongation factor 1-delta	IPI00023048,IPI00064086,IPI00642971,IPI00789435	71,390.30	462	473	GVVQELQQAISK	R	L	1,299.73
1241	GATAD2A Isoform 1 of Transcriptional repressor p66-alpha	IPI00410330,IPI00444526,IPI00478128	68,044.80	465	475	ALQQEQEIEQR	K	L	1,371.69
1242	TCP1 T-complex protein 1 subunit alpha	IPI00290566	60,327.20	468	483	RAFHNEAQVNPERKNL	L	K	1,922.99
1243	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	468	477	RAPFDLFENR	R	K	1,264.64
1244	DDX17 DEAD box polypeptide 17 isoform 1	IPI00023785,IPI00651653	80,256.00	469	480	APILIATDVASR	K	G	1,226.71
1245	CLTC Isoform 1 of Clathrin heavy chain 1	IPI00024067,IPI00455383	191,600.90	469	481	SVDPTLALSVYLR	K	A	1,433.80
1246	FASN Fatty acid synthase	IPI00026781	273,382.00	469	477	GYAVLGGER	R	G	921.4789
1247	TCP1 T-complex protein 1 subunit alpha	IPI00290566	60,327.20	469	480	AFHNEAQVNPER	R	K	1,411.67
1248	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	469	477	APFDLFENR	R	K	1,108.54
1249	DDX5 Probable ATP-dependent RNA helicase DDX5	IPI00017617	69,131.70	471	478	LLQLVEDR	K	G	985.5678
1250	ATP1A1 Isoform Long of Sodium/potassium-transporting ATPase subunit alpha-1	IPI00006482,IPI00646182	112,881.50	475	482	AKIVEIPF	Y	N	916.5503
1251	GATAD2A Isoform 1 of Transcriptional repressor p66-alpha	IPI00410330,IPI00444526,IPI00478128	68,044.80	476	487	LLQQGTAPAQAK	R	A	1,225.69
1252	TOP2A Isoform 3 of DNA topoisomerase 2-alpha	IPI00218753,IPI00414101,IPI00478232,IPI00879004	178,700.70	477	486	LDDANDAGGR	K	N	1,003.44
1253	ARS2 Isoform 2 of Arsenite-resistance protein 2	IPI00220038,IPI00375144,IPI00888085,IPI00888510	100,261.00	477	486	EICWNLQNIR	K	L	1,345.67
1254	SPTBN1 Isoform Long of Spectrin beta chain, brain 1	IPI00005614,IPI00871932	274,595.40	478	486	VQAVVAVAR	R	E	912.5624
1255	DDX17 DEAD box polypeptide 17 isoform 1	IPI00023785,IPI00651653	80,256.00	481	488	GLDVEDVK	R	F	874.4518

1256	EEF2 Elongation factor 2	IPi00186290	95,322.10	482	495	TGTTTTFEHAHNMR	K	V	1,615.76
1257	HSP90AB1 Heat shock protein HSP 90-beta	IPi00414676	83,249.30	482	491	SIYYITGESK	K	E	1,160.58
1258	PFKP 6-phosphofructokinase type C	IPi00009790	85,579.40	487	496	YLEEIATQMR	K	T	1,253.62
1259	TOP2A Isoform 3 of DNA topoisomerase 2-alpha	IPi00218753,IPi00414101,IPi00478232,IPi00879004	178,700.70	487	502	NSTECTLILTEGDSAK	R	T	1,738.82
1260	CLTC Isoform 1 of Clathrin heavy chain 1	IPi00024067,IPi00455383	191,600.90	488	500	VIQCFaETGQVQK	K	I	1,507.76
1261	CLTC Isoform 1 of Clathrin heavy chain 1	IPi00024067,IPi00455383	191,600.90	488	500	VIQCFaETGQVQK	K	I	1,507.76
1262	XRCC5 ATP-dependent DNA helicase 2 subunit 2	IPi00220834,IPi00871391	82,689.10	490	497	LFQCLLHR	R	A	1,086.59
1263	QRICH1 Glutamine-rich protein 1	IPi00328200,IPi00791466	86,415.20	490	500	NAELEKDAQNR	K	L	1,287.63
1264	SMC2 Isoform 1 of Structural maintenance of chromosomes protein 2	IPi00007927,IPi00232806	135,642.70	492	502	LKETYEALLAR	R	F	1,306.74
1265	HSP90AB1 Heat shock protein HSP 90-beta	IPi00414676	83,249.30	492	502	EQVANSaFVER	K	V	1,249.62
1266	EIF3B Isoform 1 of Eukaryotic translation initiation factor 3 subunit B	IPi00396370,IPi00719752	92,464.80	493	501	VTLMQLPTR	R	Q	1,058.60
1267	TFRC Transferrin receptor protein 1	IPi00022462	84,855.60	496	508	VSASPLLYTLIEK	K	T	1,433.83
1268	PSMD1 Isoform 1 of 26S proteasome non-ATPase regulatory subunit 1	IPi00299608,IPi00456695	105,821.20	499	524	TNLYQDDAVTGaAGLALGLV MLGSK	K	N	2,607.33
1269	CCT7 T-complex protein 1 subunit eta	IPi00018465	59,349.80	500	524	INALTAaSEAACLIVSVDETIKN PR	R	S	2,656.40
1270	RANGAP1 Ran GTPase-activating protein 1	IPi00294879	63,525.30	501	515	AFNSSSFNSNTFLTR	K	L	1,692.80
1271	HNRNPU cDNA FLJ44920 fis, clone BRAMY3011501, highly similar to Heterogeneous nuclear ribonucleoprotein U	IPi00640106,IPi00644079	83,067.80	501	515	NFIELDQTNVSAaAQR	R	R	1,647.84
1272	TOP2A Isoform 3 of DNA topoisomerase 2-alpha	IPi00218753,IPi00414101,IPi00478232,IPi00879004	178,700.70	503	514	TLaVSGLGVVGR	K	D	1,128.67
1273	TOP2A Isoform 3 of DNA topoisomerase 2-alpha	IPi00218753,IPi00414101,IPi00478232,IPi00879004	178,700.70	503	514	TLaVSGLGVVGR	K	D	1,128.67
1274	DHX9 ATP-dependent RNA helicase A	IPi00844578	140,943.50	504	516	GISHVIVDEIHER	R	D	1,503.79
1275	PLS3 plastin 3	IPi00216694	70,795.90	505	518	YTLNVLEDLGDGQK	R	A	1,564.79
1276	MTHFD1 C-1-tetrahydrofolate synthase, cytoplasmic	IPi00218342,IPi00794900	101,543.50	505	517	TDPTTLTDEEINR	K	F	1,504.71
1277	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IPi00290770,IPi00553185	60,446.30	507	517	TAVETAVLLLRL	K	I	1,185.72
1278	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IPi00290770,IPi00553185	60,446.30	507	517	TAVETAVLLLRL	K	I	1,185.72
1279	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPi00382470,IPi00784295	98,147.10	507	518	IRGVVDSaDLPL	F	N	1,312.71
1280	IGF2BP1 Insulin-like growth factor 2 mRNA-binding protein 1	IPi00008557	63,438.30	509	525	TVNELQNLTAaEVVVR	K	D	1,853.01
1281	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPi00382470,IPi00784295	98,147.10	509	522	GVVDSaDLPLNISR	R	E	1,513.79
1282	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPi00003865	70,881.80	510	517	LSKEDIER	R	M	989.5263
1283	ACACA Isoform 1 of Acetyl-CoA carboxylase 1	IPi00011569	265,538.40	510	532	ITSENPDaEGFKPSSaGTVQELN FR	R	S	2,552.23
1284	POLR2A DNA-directed RNA polymerase II subunit RPB1	IPi00031627	217,193.10	513	523	AEIQELAMVPR	R	M	1,272.66
1285	GEMIN5 Gem-associated protein 5	IPi00291783	168,544.60	515	524	LSGaEAFDINK	K	L	1,093.55
1286	TCP1 T-complex protein 1 subunit alpha	IPi00290566	60,327.20	516	526	FATEAAITILR	K	I	1,205.69
1287	RRM1 Ribonucleoside-diphosphate reductase large subunit	IPi00013871	90,055.50	517	529	YPFESAaAQLLNK	R	Q	1,509.76
1288	COPA Isoform 1 of Coatomer subunit alpha	IPi00295857,IPi00646493	138,331.30	517	529	KLDALCNiHENIR	R	V	1,595.83
1289	PLS3 plastin 3	IPi00216694	70,795.90	519	530	ANDDIIVNWVNR	K	T	1,428.72
1290	MTHFD1 C-1-tetrahydrofolate synthase, cytoplasmic	IPi00218342,IPi00794900	101,543.50	521	532	LDIDPETITWQR	R	V	1,486.75
1291	KNTC1 Kinetochore-associated protein 1	IPi00001458	250,741.10	522	533	LTTFYGaFGPEK	K	F	1,330.67
1292	HNRNPU cDNA FLJ44920 fis, clone BRAMY3011501, highly similar to Heterogeneous nuclear ribonucleoprotein U	IPi00640106,IPi00644079	83,067.80	522	538	AGFQRKaVVVCPKDEDY	F	K	1,981.98
1293	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPi00382470,IPi00784295	98,147.10	523	529	EMLQQSK	R	I	863.4292
1294	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPi00304925	70,036.00	525	533	YKaEDEVQR	K	E	1,137.55

1295	IPO5 importin 5	IPI00793443	125,529.30	525	544	LVLEQVVTSIASVADTAE EK	K	F	2,102.12
1296	KPNB1 Importin subunit beta-1	IPI00001639	97,153.30	526	537	SSAYESLMEIVK	R	N	1,356.67
1297	JUP Junction plakoglobin	IPI00554711	81,727.90	527	533	LVQLLVK	R	A	812.5605
1298	RARS Isoform Complexed of Arginyl-tRNA synthetase, cytoplasmic	IPI00004860	75,364.00	528	540	GNTAAYLLYAFTR	R	I	1,460.75
1299	PLS3 plastin 3	IPI00216694	70,795.90	528	544	VNRTLSEAGKSTSIQSF	W	K	1,824.95
1300	DHX9 ATP-dependent RNA helicase A	IPI00844578	140,943.50	529	538	DVVQAYPEVR	R	I	1,175.61
1301	STIP1 Stress-induced-phosphoprotein 1	IPI00013894,IPI00871856	62,624.10	534	543	LMDVGLIAIR	K	-	1,100.65
1302	DDX17 DEAD box polypeptide 17 isoform 1	IPI00023785,IPI00651653	80,256.00	536	547	VLEEANQAINPK	K	L	1,325.71
1303	TOP2A Isoform 3 of DNA topoisomerase 2-alpha	IPI00218753,IPI00414101,IPI00478232,IPI00879004	178,700.70	536	548	QIMENAEINNIK	K	I	1,545.79
1304	IQGAP1 Ras GTPase-activating-like protein IQGAP1	IPI00009342	189,240.60	539	556	ILAIGLINEALDEGDAQK	R	T	1,883.01
1305	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	70,881.80	540	550	NSLESYAFNMK	K	A	1,303.60
1306	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	540	550	NALESYAFNMK	K	S	1,287.60
1307	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	540	550	NALESYAFNMK	K	S	1,303.60
1308	ACACA Isoform 1 of Acetyl-CoA carboxylase 1	IPI00011569	265,538.40	542	552	SVAAGGLHEF	F	A	1,058.53
1309	SNRNP200 Isoform 1 of U5 small nuclear ribonucleoprotein 200 kDa helicase	IPI00420014	244,495.80	546	557	SLVQEMVGSFGK	R	R	1,281.65
1310	RARS Isoform Complexed of Arginyl-tRNA synthetase, cytoplasmic	IPI00004860	75,364.00	547	557	LANIDEEMLQK	R	A	1,303.66
1311	RRM1 Ribonucleoside-diphosphate reductase large subunit	IPI00013871	90,055.50	549	563	EQGPYETIEGSPVSK	K	G	1,670.75
1312	ATP2A2 Isoform SERCA2A of Sarcoplasmic/endoplasmic reticulum calcium ATPase 2	IPI00177817,IPI00219078,IPI00747443,IPI00914019	109,674.90	550	559	EWGSGSDTLR	R	C	1,107.51
1313	IPO7 Importin-7	IPI00007402	119,501.50	552	564	ETENDDLTNVIQK	R	M	1,518.73
1314	PARP1 Poly [ADP-ribose] polymerase 1	IPI00449049	113,069.80	552	564	VFSATLGLVDIVK	K	G	1,361.80
1315	AGL Isoform 5 of Glycogen debranching enzyme	IPI00219065,IPI00219066,IPI00328318,IPI00514126,IPI00878798	172,612.00	554	561	LGISSLIR	R	E	858.5408
1316	CKAP5 Isoform 1 of Cytoskeleton-associated protein 5	IPI00028275,IPI00472887	225,483.70	557	572	KGKPAAPGGAGNTGTK	K	N	1,411.77
1317	CKAP5 Isoform 1 of Cytoskeleton-associated protein 5	IPI00028275,IPI00472887	225,483.70	558	572	GKPAAPGGAGNTGTK	K	N	1,283.67
1318	ACSL3 Long-chain-fatty-acid--CoA ligase 3	IPI00031397	80,405.10	559	575	WLCTGDIGEFEPDGCLK	R	I	1,996.88
1319	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	559	565	FYEQFSK	K	N	948.4461
1320	PSMD1 Isoform 1 of 26S proteasome non-ATPase regulatory subunit 1	IPI00299608,IPI00456695	105,821.20	560	572	MEEADALIESLCR	R	D	1,536.70
1321	STAG2 stromal antigen 2 isoform a	IPI00470883,IPI00552978,IPI00872562,IPI00902944	145,738.60	563	577	ITELFAVALPQLLAK	K	Y	1,626.98
1322	- 69 kDa protein	IPI00172590,IPI00658145	69,299.70	566	579	GSPNTASAEATLPR	R	W	1,371.69
1323	GCN1L1 Translational activator GCN1	IPI00001159	292,732.30	568	576	ALVAVLLSR	R	T	941.6142
1324	IKBKAP Elongator complex protein 1	IPI00293735	150,237.40	568	580	SVVLQLADGQIFK	K	Y	1,417.81
1325	IGF2BP3 Isoform 1 of Insulin-like growth factor 2 mRNA-binding protein 3	IPI00658000	63,702.90	568	577	ALQSGPPQSR	K	R	1,040.55
1326	PLS3 plastin 3	IPI00216694	70,795.90	570	588	DLVKSGLNLTEDDKHNNAKY	Y	A	2,161.05
1327	EIF4G1 eukaryotic translation initiation factor 4 gamma. 1 isoform 2	IPI00384463,IPI00386533,IPI00479262,IPI00552639,IPI00759560,IPI00798400	166,574.80	570	588	LQGINCGPDFTPSFANLGR	R	T	2,064.00
1328	CLTC Isoform 1 of Clathrin heavy chain 1	IPI00024067,IPI00455383	191,600.90	572	583	NNRPSGQLQTR	K	L	1,368.70
1329	MTR Methionine synthase	IPI00743284	140,514.40	573	585	ISGGLSNLSFSFR	R	G	1,384.72
1330	COPG2 Coatomer subunit gamma-2	IPI00002557	97,606.50	578	590	SIPLAMAPVFEQK	K	A	1,430.77
1331	ILF3 Isoform 5 of Interleukin enhancer-binding factor 3	IPI00219330,IPI00298788,IPI00298789,IPI00414335,IPI00418313,IPI00556173	74,589.90	578	587	AYAALAALAEK	K	L	1,020.57
1332	EEF2 Elongation factor 2	IPI00186290	95,322.10	581	594	ETVSEESNVLCLSK	R	S	1,594.76
1333	EEF2 Elongation factor 2	IPI00186290	95,322.10	581	594	ETVSEESNVLCLSK	R	S	1,594.76
1334	NCAPD2 Condensin complex subunit 1	IPI00299524	157,155.30	584	597	ESTGNMVTGQTVCK	R	N	1,511.68
1335	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	584	604	LVSSPCCIVTSTYGWTANMER	R	I	2,448.10

1336	AARS Alanyl-tRNA synthetase, cytoplasmic	IPI00027442,IPI00910701	106,795.20	585	597	VGDQVWLFIDEPR	K	R	1,573.80
1337	DIS3 Isoform 1 of Exosome complex exonuclease RRP44	IPI00746351	108,987.70	586	596	ASLTYAEAQLR	K	I	1,222.64
1338	IARS Isoleucyl-tRNA synthetase, cytoplasmic	IPI00644127,IPI00877938	144,944.40	590	604	NVIVNGLVLASDGQK	K	M	1,526.85
1339	HSPH1 Isoform Beta of Heat shock protein 105 kDa	IPI00218993,IPI00513743,IPI00514983,IPI00910755	92,099.00	592	602	NAVEEYVYEFR	K	D	1,418.66
1340	UBA1 Ubiquitin-like modifier-activating enzyme 1	IPI00645078	117,832.30	593	604	KPLLESGTLGTK	R	G	1,243.73
1341	LRRFIP1 Isoform 2 of Leucine-rich repeat flightless-interacting protein 1	IPI00006207,IPI00382733,IPI00785113	86,385.20	594	607	SAVEAQNEVTENPK	K	Q	1,515.73
1342	ACACA Isoform 1 of Acetyl-CoA carboxylase 1	IPI00011569	265,538.40	597	607	LLETESFQMNR	K	I	1,367.66
1343	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	598	628	ELEQVCNPIISGLYQGAGGPG PGGFGAQQPK GGPGGELPR	K R	G	3,055.49 839.4372
1344	EIF4G1 eukaryotic translation initiation factor 4 gamma, 1 isoform 2	IPI00384463,IPI00386533,IPI00479262,IPI00552639,IPI00759560,IPI00798400	166,574.80	599	607	GGPGGELPR	R	G	839.4372
1345	EIF4G1 eukaryotic translation initiation factor 4 gamma, 1 isoform 2	IPI00384463,IPI00386533,IPI00479262,IPI00552639,IPI00759560,IPI00798400	166,574.80	599	607	GGPGGELPR	R	G	839.4372
1346	PLS3 plastin 3	IPI00216694	70,795.90	600	613	VYALPEDLVEVKPK	R	M	1,599.90
1347	SF3B3 Isoform 1 of Splicing factor 3B subunit 3	IPI00300371	135,561.40	604	615	FLAVGLVDNTR	R	I	1,303.74
1348	ACTN4 Alpha-actinin-4	IPI00013808	104,839.20	605	622	LSGSNPYTTVTPQIINSK	K	W	1,920.01
1349	EEF2 Elongation factor 2	IPI00186290	95,322.10	606	625	ARPPFDGLAEDIDKGEVSAR	K	Q	2,143.08
1350	PRPF6 Pre-mRNA-processing factor 6	IPI00305068	106,909.70	607	616	AEVLWLMGAK	K	S	1,117.61
1351	ACACA Isoform 1 of Acetyl-CoA carboxylase 1	IPI00011569	265,538.40	608	615	IDTGWLDR	R	L	975.4896
1352	TARS Threonyl-tRNA synthetase, cytoplasmic	IPI00329633	83,419.80	612	619	WPFWLSR	K	Q	1,088.57
1353	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	613	623	DNSTMGYMMAK	R	K	1,248.51
1354	PFKP 6-phosphofructokinase type C	IPI00009790	85,579.40	614	625	DLQSNVEHLTEK	R	M	1,412.70
1355	ACTN1 Alpha-actinin-1	IPI00013508,IPI00759776,IPI00909239	103,043.00	614	624	RDQALTEEHAR	R	Q	1,325.66
1356	GEMIN5 Gem-associated protein 5	IPI00291783	168,544.60	616	633	TVIESPESPVTITEPYR	K	T	2,005.01
1357	FANCI Isoform 3 of Fanconi anemia group I protein	IPI00306518	149,310.90	616	632	NSQLANSVMQTLSQLK	R	Q	1,875.00
1358	GCN1L1 Translational activator GCN1	IPI00001159	292,732.30	617	635	VLPLEALVTDAGEVTEAGK	K	A	1,912.03
1359	PSMD1 Isoform 1 of 26S proteasome non-ATPase regulatory subunit 1	IPI00299608,IPI00456695	105,821.20	617	628	AAVESLGFILFR	R	T	1,322.75
1360	MYH9 Isoform 1 of Myosin-9	IPI00019502	226,519.50	618	637	IIGLDQVAGMSETALPGAFK	R	T	2,018.06
1361	CSE1L Isoform 1 of Exportin-2	IPI00022744,IPI00219994	110,403.90	618	624	MFEAICL	Y	S	883.4053
1362	HSPA4 Heat shock 70 kDa protein 4	IPI00002966	94,313.90	619	629	NAVEEYVYEMR	K	D	1,418.63
1363	COPA Isoform 1 of Coatamer subunit alpha	IPI00295857,IPI00646493	138,331.30	620	631	LVGQSIAYLQK	K	K	1,332.79
1364	ACACA Isoform 1 of Acetyl-CoA carboxylase 1	IPI00011569	265,538.40	621	645	VQAERPDTMLGVVCGALHVA DVSLR	K	N	2,693.39 1,235.60
1365	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	622	632	DQVANSAFVER	K	L	1,235.60
1366	IQGAP1 Ras GTPase-activating-like protein IQGAP1	IPI00009342	189,240.60	623	641	FALGIFAINAEVESGDVGK	K	T	1,937.00
1367	IARS Isoleucyl-tRNA synthetase, cytoplasmic	IPI00644127,IPI00877938	144,944.40	623	630	GADALRLY	Y	L	878.4731
1368	PSMD1 Isoform 1 of 26S proteasome non-ATPase regulatory subunit 1	IPI00299608,IPI00456695	105,821.20	629	649	TPEQCPSVSVLLSESYNPHV R	R	Y	2,399.17 1,191.64
1369	POLD1 DNA polymerase delta catalytic subunit	IPI00002894,IPI00556021,IPI00655631	123,615.50	630	639	LGLTEDQFIR	K	T	1,191.64
1370	ATP1A1 Isoform Long of Sodium/potassium-transporting ATPase subunit alpha-1	IPI00006482,IPI00646182	112,881.50	630	647	GVGIISEGNETVEDIAAR	K	L	1,829.92
1371	ATP1A1 Isoform Long of Sodium/potassium-transporting ATPase subunit alpha-1	IPI00006482,IPI00646182	112,881.50	630	647	GVGIISEGNETVEDIAAR	K	L	1,829.92
1372	XRCC5 ATP-dependent DNA helicase 2 subunit 2	IPI00220834,IPI00871391	82,689.10	632	642	FMKSIDCIRAF	Y	R	1,387.69
1373	MCM6 DNA replication licensing factor MCM6	IPI00031517	92,872.60	634	643	MHCCDEVQPK	R	H	1,303.52
1374	EEF2 Elongation factor 2	IPI00186290	95,322.10	634	647	YLAKEYEWDVAEAR	R	K	1,742.84
1375	RARS Isoform Complexed of Arginyl-tRNA synthetase, cytoplasmic	IPI00004860	75,364.00	635	647	MLLCEAAVMAK	R	G	1,406.72
1376	SMC3 Structural maintenance of chromosomes protein 3	IPI00219420	141,529.10	635	644	SMEVSTQLAR	R	A	1,121.56
1377	JUP Junction plakoglobin	IPI00554711	81,727.90	638	651	NEGATYAAAVLFR	R	I	1,483.75

1378	DHX9 ATP-dependent RNA helicase A	IPI00844578	140,943.50	642	654	KYIETLNVPGAVL	L	V	1,416.81
1379	PC Pyruvate carboxylase, mitochondrial	IPI00299402	129,616.70	645	661	GANAVGYTNPYDNNVFK	R	F	1,828.89
1380	ACACA Isoform 1 of Acetyl-CoA carboxylase 1	IPI00011569	265,538.40	646	657	NSVSNFLHSLER	R	G	1,402.71
1381	ACACA Isoform 1 of Acetyl-CoA carboxylase 1	IPI00011569	265,538.40	646	657	NSVSNFLHSLER	R	G	1,402.71
1382	RARS Isoform Complexed of Arginyl-tRNA synthetase, cytoplasmic	IPI00004860	75,364.00	648	659	GFDILGIKPVQR	K	-	1,342.78
1383	WDR6 WD repeat-containing protein 6	IPI00013953,IPI00797612	121,705.90	648	658	LHIVNCGGGHR	K	S	1,219.61
1384	AARS Alanyl-tRNA synthetase, cytoplasmic	IPI00027442,IPI00910701	106,795.20	651	664	KAEEIANEMIEAAK	K	A	1,546.78
1385	NCAPG2 Isoform 2 of Condensin-2 complex subunit G2	IPI00396058,IPI00797030,IPI00871611,IPI00917442	132,181.70	652	662	ASVLPEYLKVF	F	K	1,265.71
1386	ACTN4 Alpha-actinin-4	IPI00013808	104,839.20	653	668	QFASQANVVGWPWIQTK	R	M	1,773.93
1387	PCCA propionyl-Coenzyme A carboxylase, alpha polypeptide isoform a precursor	IPI00744115,IPI00796978,IPI00895869	80,041.20	654	663	VTEDTSSVLR	K	S	1,106.57
1388	ATP2A2 Isoform SERCA2A of Sarcoplasmic/endoplasmic reticulum calcium ATPase 2	IPI00177817,IPI00219078,IPI00747443,IPI00914019	109,674.90	656	666	EFDELNPSAQR	R	D	1,305.61
1389	ACACA Isoform 1 of Acetyl-CoA carboxylase 1	IPI00011569	265,538.40	658	680	GQVLPAAHTLLNTVDVELIYEG VK	R	Y	2,508.37
1390	DDX17 DEAD box polypeptide 17 isoform 1	IPI00023785,IPI00651653	80,256.00	661	679	GASSTTSTGRSSQSSSQF	Y	S	1,890.84
1391	SMC3 Structural maintenance of chromosomes protein 3	IPI00219420	141,529.10	662	672	GALTGGYYDTR	R	K	1,173.55
1392	RNF160 Zinc finger protein 294	IPI00783835,IPI00793009	205,167.50	662	674	FLSTLLDSFSSSR	R	V	1,459.74
1393	AARS Alanyl-tRNA synthetase, cytoplasmic	IPI00027442,IPI00910701	106,795.20	665	677	AVYTQDCPLAAAK	K	A	1,407.69
1394	APEH Acylamino-acid-releasing enzyme	IPI00337741	81,206.00	665	676	TPLLLMLGQEDR	K	R	1,385.75
1395	SFPQ Isoform Long of Splicing factor, proline- and glutamine-rich	IPI00010740	76,131.50	667	681	FGQGGAGPVGGQGPR	R	G	1,341.67
1396	DDX17 DEAD box polypeptide 17 isoform 1	IPI00023785,IPI00651653	80,256.00	671	684	SSQSSSQQFSGIGR	R	S	1,455.68
1397	EEF2 Elongation factor 2	IPI00186290	95,322.10	672	683	LNEIKDSVAVGF	Y	Q	1,291.69
1398	TOP2A Isoform 3 of DNA topoisomerase 2-alpha	IPI00218753,IPI00414101,IPI00478232,IPI00879004	178,700.70	676	691	YSGPEDDAAISLAFSK	K	K	1,670.79
1399	CKAP5 Isoform 1 of Cytoskeleton-associated protein 5	IPI00028275,IPI00472887	225,483.70	677	689	TSAQVVLGGLVVK	K	I	1,344.74
1400	SF3B3 Isoform 1 of Splicing factor 3B subunit 3	IPI00300371	135,561.40	677	690	TVLDPVTGDLSDTR	R	T	1,488.75
1401	UBA1 Ubiquitin-like modifier-activating enzyme 1	IPI00645078	117,832.30	679	693	LAGTQPLEVLEAVQR	R	S	1,623.91
1402	ACSL3 Long-chain-fatty-acid--CoA ligase 3	IPI00031397	80,405.10	682	699	LSPEPWTPETGLVTDFAK	R	L	1,988.00
1403	EEF2 Elongation factor 2	IPI00186290	95,322.10	689	698	EGALCEENMR	K	G	1,208.50
1404	EEF2 Elongation factor 2	IPI00186290	95,322.10	689	698	EGALCEENMR	K	G	1,208.50
1405	XRCC5 ATP-dependent DNA helicase 2 subunit 2	IPI00220834,IPI00871391	82,689.10	689	702	EEASGSSVTAEAAK	K	K	1,394.63
1406	NCAPD2 Condensin complex subunit 1	IPI00299524	157,155.30	691	698	EAVLNAYR	R	Q	935.4944
1407	AMOT Isoform 1 of Angiomotin	IPI00163085,IPI00642249,IPI00644547	118,066.40	693	706	HFALDAAATVAAQR	R	D	1,441.75
1408	EIF4G1 eukaryotic translation initiation factor 4 gamma. 1 isoform 2	IPI00384463,IPI00386533,IPI00479262,IPI00552639,IPI00759560,IPI00798400	166,574.80	695	706	QVTQLAIDTEER	K	L	1,402.72
1409	CSE1L Isoform 1 of Exportin-2	IPI00022744,IPI00219994	110,403.90	698	706	TGNIPALVR	R	L	940.5575
1410	SF3B3 Isoform 1 of Splicing factor 3B subunit 3	IPI00300371	135,561.40	706	718	MQGQEAVLAMSSR	R	S	1,407.67
1411	EIF4G1 eukaryotic translation initiation factor 4 gamma. 1 isoform 2	IPI00384463,IPI00386533,IPI00479262,IPI00552639,IPI00759560,IPI00798400	166,574.80	709	717	GVIDLIFEK	K	A	1,033.59
1412	EIF4G2 cDNA FLJ59571, highly similar to Eukaryotic translation initiation factor 4gamma 2	IPI00015952,IPI00782985	110,247.70	714	722	SYLAQFAAR	K	A	1,026.54
1413	HSP90AA1 heat shock protein 90kDa alpha (cytosolic). class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	714	734	LVTSPCCIVTSTYGWTANMER	R	I	2,446.12
1414	ACTN1 Alpha-actinin-1	IPI00013508,IPI00759776,IPI00909239	103,043.00	715	726	VGWEQLLTIAR	R	T	1,386.77
1415	CSE1L Isoform 1 of Exportin-2	IPI00022744,IPI00219994	110,403.90	715	736	GSNTIASAAADKIPGLLVGFQ K	R	L	2,158.19
1416	DDX17 DEAD box polypeptide 17 isoform 1	IPI00023785,IPI00651653	80,256.00	716	729	QYPPPPPPPPSRK	Y	-	1,554.84
1417	EIF4G1 eukaryotic translation initiation factor 4 gamma. 1 isoform 2	IPI00384463,IPI00386533,IPI00479262,IPI00552639,IPI00759560,IPI00798400	166,574.80	718	733	AISEPNFVAVYANMCR	K	C	1,829.83
1418	NUP93 Nuclear pore complex protein Nup93	IPI00397904	93,473.20	719	730	LVPLNQESVEER	K	V	1,412.74
1419	BAT3 Isoform 1 of Large proline-rich protein BAT3	IPI00465128,IPI00640922,IPI00641333,IPI00641784,IPI00642962,IPI00645431,IPI00894269,IPI00894467	119,389.30	720	732	AGSSSIAAFIQR	R	L	1,336.69

1420	MTHFD1 C-1-tetrahydrofolate synthase, cytoplasmic	IPI00218342,IPI00794900	101,543.50	722	733	AYIQENLELVEK	K	G	1,448.76
1421	IPO7 Importin-7	IPI00007402	119,501.50	725	740	VLTVGAGEDAECHAAK	K	L	1,627.77
1422	ACTN1 Alpha-actinin-1	IPI00013508,IPI00759776,IPI00909239	103,043.00	727	738	TINEVENQILTR	R	D	1,429.76
1423	IARS Isoleucyl-tRNA synthetase, cytoplasmic	IPI00644127,IPI00877938	144,944.40	730	740	FVDILTWNWYVR	K	M	1,425.75
1424	CKAP5 Isoform 1 of Cytoskeleton-associated protein 5	IPI00028275,IPI00472887	225,483.70	731	744	NQSETLNWLSNAIK	K	E	1,617.82
1425	FLII Protein flightless-1 homolog	IPI00031023,IPI00908582	144,737.40	731	746	VGLGLGYLELPQINYK	K	L	1,776.99
1426	MCM6 DNA replication licensing factor MCM6	IPI00031517	92,872.60	733	745	KVEEEEDESALKR	R	S	1,561.77
1427	ACTN4 Alpha-actinin-4	IPI00013808	104,839.20	734	745	VGWEQLLTTIAR	R	T	1,386.77
1428	PWP2 Periodic tryptophan protein 2 homolog	IPI00300078	102,436.00	734	749	VLFDPFELDTSVTPGR	R	V	1,792.91
1429	GCN1L1 Translational activator GCN1	IPI00001159	292,732.30	738	756	VLPQLISTITASVQNPALR	R	L	2,021.18
1430	BRD2 Isoform 1 of Bromodomain-containing protein 2	IPI00014414,IPI00440502,IPI00797929,IPI00892847,IPI00893088,IPI00893622,IPI00894013,IPI00894118	88,045.30	740	751	LQDVSQGQLNSTK	R	K	1,289.67
1431	IPO7 Importin-7	IPI00007402	119,501.50	741	750	LLEVIILQCK	K	G	1,228.73
1432	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	743	753	DNSTMGYMAAK	R	K	1,188.50
1433	ACTN4 Alpha-actinin-4	IPI00013808	104,839.20	746	757	TINEVENQILTR	R	D	1,429.76
1434	MTHFD1 C-1-tetrahydrofolate synthase, cytoplasmic	IPI00218342,IPI00794900	101,543.50	749	759	GIPVVVAVNAF	F	K	1,085.64
1435	POLD1 DNA polymerase delta catalytic subunit	IPI00002894,IPI00556021,IPI00655631	123,615.50	751	762	VVYGDTDSVMCR	K	F	1,401.61
1436	IPO7 Importin-7	IPI00007402	119,501.50	753	768	GIDQCIPLFVEAALER	R	L	1,830.94
1437	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	755	769	HLEINPDHSIIETLR	K	Q	1,786.94
1438	DYNC1H1 Cytoplasmic dynein 1 heavy chain 1	IPI00456969	532,387.60	760	767	VPLAIVNK	R	A	853.5506
1439	ACTN4 Alpha-actinin-4	IPI00013808	104,839.20	761	771	GISQEQMQEFR	K	A	1,352.63
1440	MTHFD1 C-1-tetrahydrofolate synthase, cytoplasmic	IPI00218342,IPI00794900	101,543.50	761	772	TDTESELDLISR	K	L	1,378.67
1441	CKAP5 Isoform 1 of Cytoskeleton-associated protein 5	IPI00028275,IPI00472887	225,483.70	762	772	TALAATNPAVR	K	T	1,084.61
1442	POLD1 DNA polymerase delta catalytic subunit	IPI00002894,IPI00556021,IPI00655631	123,615.50	763	776	FGVSSVAEAMALGR	R	E	1,394.71
1443	UHRF1 ubiquitin-like with PHD and ring finger domains 1 isoform 2	IPI00797279,IPI00797945	91,082.30	767	776	AQVFSCPACR	R	Y	1,195.53
1444	DHX9 ATP-dependent RNA helicase A	IPI00844578	140,943.50	768	779	VRPGFCFHLCSR	R	A	1,535.74
1445	SF3B3 Isoform 1 of Splicing factor 3B subunit 3	IPI00300371	135,561.40	770	786	LGAVFNQVAFPLQYTPR	K	K	1,921.03
1446	PWP2 Periodic tryptophan protein 2 homolog	IPI00300078	102,436.00	774	784	LVQEALAVPR	K	G	1,224.69
1447	EIF4G1 eukaryotic translation initiation factor 4 gamma, 1 isoform 2	IPI00384463,IPI00386533,IPI00479262,IPI00552639,IPI00759560,IPI00798400	166,574.80	780	790	EMDEAATAEER	K	G	1,251.52
1448	EIF4G1 eukaryotic translation initiation factor 4 gamma, 1 isoform 2	IPI00384463,IPI00386533,IPI00479262,IPI00552639,IPI00759560,IPI00798400	166,574.80	780	790	EMDEAATAEER	K	G	1,251.52
1449	AARS Alanyl-tRNA synthetase, cytoplasmic	IPI00027442,IPI00910701	106,795.20	783	793	AQTAPNKDVQR	K	E	1,227.64
1450	UBA1 Ubiquitin-like modifier-activating enzyme 1	IPI00645078	117,832.30	785	802	AAVATFLQSVQVPEFTPK	R	S	1,933.04
1451	EEF2 Elongation factor 2	IPI00186290	95,322.10	786	801	AYLPVNESFGFTADLR	K	S	1,799.90
1452	EFTUD2 116 kDa U5 small nuclear ribonucleoprotein component	IPI00003519,IPI00917777	109,420.10	791	803	ILDVAVQAQEPLHR	K	G	1,460.82
1453	FASN Fatty acid synthase	IPI00026781	273,382.00	791	802	DNLEFFLAGIGR	R	L	1,351.70
1454	FASN Fatty acid synthase	IPI00026781	273,382.00	791	802	DNLEFFLAGIGR	R	L	1,351.70
1455	MTHFD1 C-1-tetrahydrofolate synthase, cytoplasmic	IPI00218342,IPI00794900	101,543.50	794	804	GALALAQAVQR	K	A	1,097.64
1456	KIF4A Isoform 1 of Chromosome-associated kinesin KIF4A	IPI00178150,IPI00556059	139,865.70	799	806	TFSLTEVR	R	G	952.5098
1457	GBF1 Golgi-specific brefeldin A-resistance guanine nucleotide exchange factor 1	IPI00021954	206,432.60	801	808	LLEAFTER	R	W	978.5255
1458	CSE1L Isoform 1 of Exportin-2	IPI00022744,IPI00219994	110,403.90	801	816	YGALALQEIFDGIQPK	K	M	1,762.94
1459	FANCI Isoform 3 of Fanconi anemia group I protein	IPI00306518	149,310.90	809	819	FVSSLLTALFR	K	D	1,253.73
1460	CLTC Isoform 1 of Clathrin heavy chain 1	IPI00024067,IPI00455383	191,600.90	812	830	LPVVIGLLDVCSEDVIK	R	N	2,041.09
1461	WDR36 WD repeat-containing protein 36	IPI00169325	105,307.90	815	824	VVNLGVLAQK	K	S	1,040.65

1462	ACACA Isoform 1 of Acetyl-CoA carboxylase 1	IPI00011569	265,538.40	826	838	VQQAELHTGSLPR	K	I	1,435.77
1463	MYBBP1A Isoform 1 of Myb-binding protein 1A	IPI00005024,IPI00607584	148,840.30	828	838	VLDLVEVLVTK	R	Q	1,227.76
1464	PSMD1 Isoform 1 of 26S proteasome non-ATPase regulatory subunit 1	IPI00299608,IPI00456695	105,821.20	828	838	VSTAVLSITAK	K	A	1,089.65
1465	PARP1 Poly [ADP-ribose] polymerase 1	IPI00449049	113,069.80	830	837	DLEVIDIF	Y	K	963.5035
1466	PC Pyruvate carboxylase, mitochondrial	IPI00299402	129,616.70	831	842	VFDYSEYWEGAR	R	G	1,521.66
1467	COPG2 Coatomer subunit gamma-2	IPI00002557	97,606.50	833	840	GGYDLLVR	R	S	892.4888
1468	RRBP1 Isoform 3 of Ribosome-binding protein 1	IPI00215743,IPI00220967,IPI00744135,IPI00856098	165,696.10	838	850	LLATEQEDAAVAK	K	S	1,358.72
1469	DHX9 ATP-dependent RNA helicase A	IPI00844578	140,943.50	838	853	ELDALDANDELTPLGR	R	I	1,741.86
1470	EIF4G1 eukaryotic translation initiation factor 4 gamma. 1 isoform 2	IPI00384463,IPI00386533,IPI00479262,IPI00552639,IPI00759560,IPI00798400	166,574.80	839	850	NHDEESLECLCR	K	L	1,561.64
1471	TOP2A Isoform 3 of DNA topoisomerase 2-alpha	IPI00218753,IPI00414101,IPI00478232,IPI00879004	178,700.70	841	851	YIFTMLSSLAR	R	L	1,301.69
1472	FANCI Isoform 3 of Fanconi anemia group I protein	IPI00306518	149,310.90	841	849	YAVNVALQK	R	V	1,005.57
1473	SF3B1 Splicing factor 3B subunit 1	IPI00026089	145,802.30	844	852	VGAAEISR	K	I	915.5258
1474	PSMD2 26S proteasome non-ATPase regulatory subunit 2	IPI00012268	100,184.20	846	860	VGQAVDVVGQAGKPK	R	T	1,452.82
1475	EIF3CL;EIF3C Eukaryotic translation initiation factor 3 subunit C	IPI00016910,IPI00646839,IPI00873286,IPI00910003	105,329.20	847	862	TEPTAQNLALQLAEK	R	L	1,754.93
1476	GEMIN5 Gem-associated protein 5	IPI00291783	168,544.60	847	858	SLLPLSTSLDHR	R	S	1,338.74
1477	DIAPH1 diaphanous 1 isoform 2	IPI00030876,IPI00852685,IPI00884341	140,500.00	848	860	TAQNLSIFLGSFR	K	M	1,453.78
1478	MTR Methionine synthase	IPI00743284	140,514.40	854	865	IPLLIGGATTSK	R	T	1,170.71
1479	NCAPD3 Condensin-2 complex subunit D3	IPI00747787	168,876.10	856	870	YIFTLGDIAQLCPAR	K	V	1,737.90
1480	SF3B3 Isoform 1 of Splicing factor 3B subunit 3	IPI00300371	135,561.40	857	867	AGNGQWASVIR	K	V	1,158.60
1481	PFAS Phosphoribosylformylglycinamide synthase	IPI00004534	144,645.60	863	890	LGGTALAQCFSQLGHEPPDL DLPENLVR	R	A	3,047.53
1482	FASN Fatty acid synthase	IPI00026781	273,382.00	863	874	NIDTSSESPDHY	Y	L	1,364.56
1483	SF3B3 Isoform 1 of Splicing factor 3B subunit 3	IPI00300371	135,561.40	863	877	ASVIRVMNPIQGNTL	W	D	1,612.88
1484	PARP1 Poly [ADP-ribose] polymerase 1	IPI00449049	113,069.80	866	878	TTNFAGILSQGLR	R	I	1,377.75
1485	MTHFD1 C-1-tetrahydrofolate synthase, cytoplasmic	IPI00218342,IPI00794900	101,543.50	867	878	THLSLSHNPEQK	K	G	1,390.71
1486	EIF4G1 eukaryotic translation initiation factor 4 gamma. 1 isoform 2	IPI00384463,IPI00386533,IPI00479262,IPI00552639,IPI00759560,IPI00798400	166,574.80	868	877	MDQYFNQMEK	R	I	1,333.56
1487	EFTUD2 116 kDa U5 small nuclear ribonucleoprotein component	IPI00003519,IPI00917777	109,420.10	873	888	AFIPAIDSFGFETDLR	K	T	1,798.90
1488	FLII Protein flightless-1 homolog	IPI00031023,IPI00908582	144,737.40	875	884	ADLTALFLPR	K	Q	1,116.64
1489	POLD1 DNA polymerase delta catalytic subunit	IPI00002894,IPI00556021,IPI00655631	123,615.50	876	885	IDISQLVITK	R	E	1,129.68
1490	IPO4 Isoform 1 of Importin-4	IPI00156374,IPI00398009	118,700.70	876	899	SFAVGTLAETIQGLGAASAQF VSR	K	L	2,381.25
1491	IPO4 Isoform 1 of Importin-4	IPI00156374,IPI00398009	118,700.70	878	896	AVGTLAETIQGLGAASAQF	F	V	1,804.94
1492	POLR2A DNA-directed RNA polymerase II subunit RPB1	IPI00031627	217,193.10	881	890	NSINQVVQLR	R	Y	1,170.66
1493	ACTN4 Alpha-actinin-4	IPI00013808	104,839.20	883	899	MAPYQGPDAVPGALDYK	R	S	1,792.86
1494	COPB1 Coatomer subunit beta	IPI00295851	107,128.00	883	898	ALSGYCGFMAANLYAR	K	S	1,764.82
1495	ACACA Isoform 1 of Acetyl-CoA carboxylase 1	IPI00011569	265,538.40	888	909	TLRDPSSLPLELQDIMTSVSG R	K	I	2,457.30
1496	EIF4G1 eukaryotic translation initiation factor 4 gamma. 1 isoform 2	IPI00384463,IPI00386533,IPI00479262,IPI00552639,IPI00759560,IPI00798400	166,574.80	890	899	FMLQDVLDLR	R	G	1,249.66
1497	AARS Alanyl-tRNA synthetase, cytoplasmic	IPI00027442,IPI00910701	106,795.20	891	902	TVDNEAGKITCL	F	C	1,320.65
1498	SF3B3 Isoform 1 of Splicing factor 3B subunit 3	IPI00300371	135,561.40	896	911	FSNTGEDWYVLGVAK	R	D	1,784.89
1499	AARS Alanyl-tRNA synthetase, cytoplasmic	IPI00027442,IPI00910701	106,795.20	899	912	ITCLCQVPQNAANR	K	G	1,644.79
1500	IPO4 Isoform 1 of Importin-4	IPI00156374,IPI00398009	118,700.70	900	916	LLPVLLSTAQEADPEVR	R	S	1,851.02
1501	EIF4G1 eukaryotic translation initiation factor 4 gamma. 1 isoform 2	IPI00384463,IPI00386533,IPI00479262,IPI00552639,IPI00759560,IPI00798400	166,574.80	900	906	GSNWVPR	R	R	815.4158
1502	PC Pyruvate carboxylase, mitochondrial	IPI00299402	129,616.70	913	928	IVGDLAQFMVQNGLSR	K	A	1,747.92
1503	PRKDC Isoform 1 of DNA-dependent protein kinase catalytic subunit	IPI00296337,IPI00376215,IPI00786995	469,077.50	914	924	VTELALTASDR	R	Q	1,175.63

1504	CKAP5 Isoform 1 of Cytoskeleton-associated protein 5	IPI00028275,IPI00472887	225,483.70	915	936	ILVQQLNILQQLAVAMGPNIK	K	Q	2,421.39
1505	FANCI Isoform 3 of Fanconi anemia group I protein	IPI00306518	149,310.90	915	926	IFSAVQQFYQPK	K	I	1,455.76
1506	AARS Alanyl-tRNA synthetase, cytoplasmic	IPI00027442,IPI00910701	106,795.20	916	930	ASEWVQQVSGMLMDGK	K	G	1,634.78
1507	ACLY ATP-citrate synthase	IPI00021290,IPI00394838	120,824.80	919	934	DLVSSLTSGLLTIGDR	K	F	1,646.90
1508	FASN Fatty acid synthase	IPI00026781	273,382.00	928	936	TGTVSLEVR	K	L	961.5313
1509	FASN Fatty acid synthase	IPI00026781	273,382.00	928	936	TGTVSLEVR	K	L	961.5313
1510	PC Pyruvate carboxylase, mitochondrial	IPI00299402	129,616.70	929	942	AEAEAQAEELSFPR	R	S	1,547.73
1511	DHX9 ATP-dependent RNA helicase A	IPI00844578	140,943.50	930	938	MGGEEAEIR	R	F	991.4514
1512	GEMIN5 Gem-associated protein 5	IPI00291783	168,544.60	934	942	GVLQTAER	K	G	944.516
1513	FASN Fatty acid synthase	IPI00026781	273,382.00	943	957	AFEVSENGNLVVSGK	R	V	1,549.79
1514	KIAA0368 KIAA0368 protein	IPI00157790	223,681.10	943	951	MSEQQDLER	R	N	1,135.50
1515	SF3B3 Isoform 1 of Splicing factor 3B subunit 3	IPI00300371	135,561.40	943	958	TPVEEVPAAIAPFQGR	K	V	1,681.89
1516	AARS Alanyl-tRNA synthetase, cytoplasmic	IPI00027442,IPI00910701	106,795.20	944	962	NVGCLQEALQLATSFAQLR	K	L	2,119.10
1517	EIF4G1 eukaryotic translation initiation factor 4 gamma. 1 isoform 2	IPI00384463,IPI00386533,IPI00479262,IPI00552639,IPI00759560,IPI00798400	166,574.80	956	972	GLPLVDDGGWNTVPIISK	R	G	1,767.93
1518	ACACA Isoform 1 of Acetyl-CoA carboxylase 1	IPI00011569	265,538.40	959	974	EVFFMNTQSIQVLVQR	R	Y	1,955.01
1519	ACACA Isoform 1 of Acetyl-CoA carboxylase 1	IPI00011569	265,538.40	962	975	FMNTQSIQVLVQRY	F	R	1,742.89
1520	DYNC1H1 Cytoplasmic dynein 1 heavy chain 1	IPI00456969	532,387.60	964	979	ITNQVIYLNPPIEECR	R	Y	1,959.00
1521	FASN Fatty acid synthase	IPI00026781	273,382.00	968	992	LFDHPESPTPNPTEPLFLAQA EVYK	R	E	2,840.41
1522	PRKDC Isoform 1 of DNA-dependent protein kinase catalytic subunit	IPI00296337,IPI00376215,IPI00786995	469,077.50	972	981	LACDVDQVTR	R	Q	1,176.57
1523	IRS4 Insulin receptor substrate 4	IPI00020729	133,751.30	985	994	ANPLSLDSAR	R	W	1,043.55
1524	SF3B3 Isoform 1 of Splicing factor 3B subunit 3	IPI00300371	135,561.40	985	999	HIANYISGIQTIGHR	K	V	1,679.90
1525	HEATR1 HEAT repeat-containing protein 1	IPI00024279,IPI00641437	242,360.80	1002	1016	NLLSCVYSCPSYIAK	K	D	1,774.85
1526	EIF4G1 eukaryotic translation initiation factor 4 gamma. 1 isoform 2	IPI00384463,IPI00386533,IPI00479262,IPI00552639,IPI00759560,IPI00798400	166,574.80	1009	1035	GSSGGSGAKPSDAASEAARP ATSTLNR	K	F	2,503.21
1527	CLTC Isoform 1 of Clathrin heavy chain 1	IPI00024067,IPI00455383	191,600.90	1011	1022	IVLDNSVFSEHR	K	N	1,415.73
1528	SF3B3 Isoform 1 of Splicing factor 3B subunit 3	IPI00300371	135,561.40	1017	1031	NENQLIIFADDTYPR	R	W	1,808.88
1529	PC Pyruvate carboxylase, mitochondrial	IPI00299402	129,616.70	1022	1036	DFTATFGPLDSLNR	K	L	1,654.81
1530	CLTC Isoform 1 of Clathrin heavy chain 1	IPI00024067,IPI00455383	191,600.90	1023	1034	NLQNLLILTAIK	R	A	1,353.85
1531	CLTC Isoform 1 of Clathrin heavy chain 1	IPI00024067,IPI00455383	191,600.90	1023	1034	NLQNLLILTAIK	R	A	1,353.85
1532	MKI67 Isoform Long of Antigen KI-67	IPI00004233,IPI00413173	358,677.80	1032	1043	VGVKEELLAVGK	K	F	1,241.75
1533	PC Pyruvate carboxylase, mitochondrial	IPI00299402	129,616.70	1037	1043	LFLQGPK	R	I	802.4823
1534	ACACA Isoform 1 of Acetyl-CoA carboxylase 1	IPI00011569	265,538.40	1038	1051	NLLVTMLIDQLCGR	K	D	1,661.87
1535	GCN1L1 Translational activator GCN1	IPI00001159	292,732.30	1043	1054	LLTWVIGTGSPR	R	L	1,299.74
1536	PC Pyruvate carboxylase, mitochondrial	IPI00299402	129,616.70	1044	1054	IAEEFEVELER	K	G	1,363.67
1537	FASN Fatty acid synthase	IPI00026781	273,382.00	1052	1063	VTAIHIDPATHR	R	Q	1,330.72
1538	KIAA0368 KIAA0368 protein	IPI00157790	223,681.10	1052	1064	LLLQGLMDSVEAK	K	Q	1,416.78
1539	DHX9 ATP-dependent RNA helicase A	IPI00844578	140,943.50	1058	1073	GMTLVTPQLLLFASK	K	K	1,748.00
1540	FASN Fatty acid synthase	IPI00026781	273,382.00	1068	1083	TLQDKAQVADVVSRRW	Y	L	1,814.98
1541	SPTBN1 Isoform Long of Spectrin beta chain, brain 1	IPI00005614,IPI00871932	274,595.40	1070	1080	DLDDFQSWLSR	R	T	1,381.64
1542	GEMIN5 Gem-associated protein 5	IPI00291783	168,544.60	1070	1090	TAAELAAIVGEDELSASLALR	R	C	2,100.12
1543	FASN Fatty acid synthase	IPI00026781	273,382.00	1073	1082	AQVADVVSRR	K	W	1,043.58
1544	PC Pyruvate carboxylase, mitochondrial	IPI00299402	129,616.70	1075	1085	QVFFELNGQLR	R	S	1,350.72
1545	FANCI Isoform 3 of Fanconi anemia group I protein	IPI00306518	149,310.90	1079	1094	TAAPTVCLLVLSQAEK	R	V	1,700.93
1546	ACACA Isoform 1 of Acetyl-CoA carboxylase 1	IPI00011569	265,538.40	1083	1096	QVLIASHLPSYELR	R	H	1,625.90
1547	FASN Fatty acid synthase	IPI00026781	273,382.00	1086	1104	VTVAGGVHISGLHTESAPR	R	R	1,888.00
1548	STAU1 Isoform Short of Double-stranded RNA-binding protein Staufen homolog 1	IPI00218609,IPI00641873,IPI00643664,IPI_WendyP53Mut	124,563.80	1089	1102	LLSELDQQSTEMPR	K	T	1,646.81
1549	FASN Fatty acid synthase	IPI00026781	273,382.00	1105	1116	RQQEQQVPILEK	R	F	1,495.82
1550	DHX9 ATP-dependent RNA helicase A	IPI00844578	140,943.50	1105	1116	AAMEALVVEVTK	R	Q	1,260.69

1551	PFAS Phosphoribosylformylglycinamide synthase	IPI00004534	144,645.60	1110	1127	GVAFVGGFSYADVLGSAK	R	G	1,744.89
1552	FASN Fatty acid synthase	IPI00026781	273,382.00	1117	1131	FCFTPHTTEEGCLSER	K	A	1,869.79
1553	EIF4G1 eukaryotic translation initiation factor 4 gamma, 1 isoform 2	IPI00384463,IPI00386533,IPI00479262,IPI00552639,IPI00759560,IPI00798400	166,574.80	1119	1129	KAASLTEDRDR	R	G	1,261.65
1554	GBF1 Golgi-specific brefeldin A-resistance guanine nucleotide exchange factor 1	IPI00021954	206,432.60	1125	1136	FLQLESLQELMK	K	A	1,478.79
1555	FASN Fatty acid synthase	IPI00026781	273,382.00	1132	1142	AALQEELQLCK	R	G	1,302.67
1556	EIF4EBP3;ANKHD1-EIF4EBP3 ANKHD1-EIF4EBP3 protein	IPI00217442,IPI00797397,IPI00798060,IPI00867587	277,154.80	1135	1144	QEVVDLLLAR	R	G	1,155.67
1557	IRS4 Insulin receptor substrate 4	IPI00020729	133,751.30	1141	1162	AAAPGIGAAAAAAGFDSASAR L W	L	F	1,959.97
1558	EIF4EBP3;ANKHD1-EIF4EBP3 ANKHD1-EIF4EBP3 protein	IPI00217442,IPI00797397,IPI00798060,IPI00867587	277,154.80	1152	1172	NVSDYTPLSLAASGGYVNIIR	R	I	2,182.14
1559	ACACA Isoform 1 of Acetyl-CoA carboxylase 1	IPI00011569	265,538.40	1156	1169	RAYIAYELNSVQHR	R	Q	1,719.89
1560	ACACA Isoform 1 of Acetyl-CoA carboxylase 1	IPI00011569	265,538.40	1157	1169	AYIAYELNSVQHR	R	Q	1,563.79
1561	FASN Fatty acid synthase	IPI00026781	273,382.00	1158	1182	KMVVPLDGAQIPRDPSQQE L LPRLL	L	S	2,757.51
1562	NCAPD2 Condensin complex subunit 1	IPI00299524	157,155.30	1160	1173	GNAIYNLLPDIISR	K	L	1,558.86
1563	CLTC Isoform 1 of Clathrin heavy chain 1	IPI00024067,IPI00455383	191,600.90	1166	1179	ESYVETELIFALAK	R	T	1,612.85
1564	GEMIN5 Gem-associated protein 5	IPI00291783	168,544.60	1166	1182	SIFSLDTPEQYQEAQFK	K	L	2,030.97
1565	MTR Methionine synthase	IPI00743284	140,514.40	1192	1202	LADIEQSTGIR	R	L	1,202.64
1566	GCC2 Isoform 1 of GRIP and coiled-coil domain-containing protein 2	IPI00005631,IPI00333197,IPI00872239	184,642.20	1198	1206	VTALQEECR	R	A	1,105.53
1567	IRS4 Insulin receptor substrate 4	IPI00020729	133,751.30	1199	1218	GDNQAGGAAAAAAPEPPPR	R	S	1,788.86
1568	COPA Isoform 1 of Coatomer subunit alpha	IPI00295857,IPI00646493	138,331.30	1203	1217	VTTVTEIGKDVIGLR	R	I	1,600.93
1569	SPTAN1 cDNA FLJ61399, highly similar to Spectrin alpha chain, brain	IPI00744706,IPI00843765,IPI00844215,IPI00871535,IPI00879810	282,131.80	1206	1217	SQLLGSHEVQR	R	F	1,324.70
1570	FASN Fatty acid synthase	IPI00026781	273,382.00	1209	1225	LPEDPLLSGLLDSPALK	K	A	1,778.00
1571	FASN Fatty acid synthase	IPI00026781	273,382.00	1209	1225	LPEDPLLSGLLDSPALK	K	A	1,778.00
1572	CLTC Isoform 1 of Clathrin heavy chain 1	IPI00024067,IPI00455383	191,600.90	1216	1226	LLYNNVSNFGR	K	L	1,296.67
1573	CLTC Isoform 1 of Clathrin heavy chain 1	IPI00024067,IPI00455383	191,600.90	1216	1226	LLYNNVSNFGR	K	L	1,296.67
1574	USP9X ubiquitin specific protease 9, X-linked isoform 4	IPI00003964,IPI00221012	290,449.30	1221	1231	LAQQISDEASR	R	Y	1,217.61
1575	GCN1L1 Translational activator GCN1	IPI00001159	292,732.30	1222	1234	VISESPDQWEAR	R	C	1,513.73
1576	FASN Fatty acid synthase	IPI00026781	273,382.00	1226	1239	ACLDTAVENMPSLK	K	M	1,548.74
1577	FASN Fatty acid synthase	IPI00026781	273,382.00	1226	1239	ACLDTAVENMPSLK	K	M	1,548.74
1578	CNOT1 Isoform 1 of CCR4-NOT transcription complex subunit 1	IPI00166010,IPI00880052	266,926.70	1228	1241	GQQELLYVVPFVAK	K	V	1,590.89
1579	TBC1D4 TBC1D4 protein	IPI00220901	146,592.30	1228	1241	IQALESNLENLLTR	K	E	1,613.89
1580	IARS Isoleucyl-tRNA synthetase, cytoplasmic	IPI00644127,IPI00877938	144,944.40	1231	1248	LFLNETQTQEITEDIPVK	K	T	2,118.10
1581	ACACA Isoform 1 of Acetyl-CoA carboxylase 1	IPI00011569	265,538.40	1233	1240	MGGMVSFR	R	T	916.4016
1582	SPTBN1 Isoform Long of Spectrin beta chain, brain 1	IPI00005614,IPI00871932	274,595.40	1235	1245	LVSDGNINSDR	R	I	1,189.58
1583	EIF4EBP3;ANKHD1-EIF4EBP3 ANKHD1-EIF4EBP3 protein	IPI00217442,IPI00797397,IPI00798060,IPI00867587	277,154.80	1237	1246	AEVVSLLDR	R	K	1,114.65
1584	PDS5A Isoform 2 of Sister chromatid cohesion protein PDS5 homolog A	IPI00303063,IPI00854642	150,817.50	1240	1252	TVTAAGAENIQQK	R	T	1,330.70
1585	FASN Fatty acid synthase	IPI00026781	273,382.00	1242	1255	VVEVLAGHGHLYSR	K	I	1,536.83
1586	FASN Fatty acid synthase	IPI00026781	273,382.00	1254	1265	SRIPGLLSPHPL	Y	L	1,286.76
1587	FASN Fatty acid synthase	IPI00026781	273,382.00	1256	1275	IPGLLSPHPLLQLSYATDR	R	H	2,192.21
1588	GEMIN5 Gem-associated protein 5	IPI00291783	168,544.60	1275	1284	SLEAFFLYGR	K	L	1,202.62
1589	PRKDC Isoform 1 of DNA-dependent protein kinase catalytic subunit	IPI00296337,IPI00376215,IPI00786995	469,077.50	1275	1292	TVGALQVLGTEAQSSLLK	R	A	1,815.02
1590	PRPF8 Pre-mRNA-processing-splicing factor 8	IPI00007928	273,590.60	1276	1290	EAVVNTQELLDLLVK	R	C	1,683.95
1591	ACACA Isoform 1 of Acetyl-CoA carboxylase 1	IPI00011569	265,538.40	1283	1294	DEPIHILNVAIK	R	T	1,361.78
1592	KTN1 Isoform 1 of Kinetin	IPI00328753,IPI00337736,IPI00783726,IPI00909030	156,258.20	1286	1296	AQQSLELIQSK	K	I	1,244.68

1593	SF3B1 Splicing factor 3B subunit 1	IPI00026089	145,802.30	1298	1304	YELDYIL	R	-	928.4663
1594	MKI67 Isoform Long of Antigen KI-67	IPI00004233,IPI00413173	358,677.80	1320	1330	LDLTENLTGSK	K	R	1,190.63
1595	SPTAN1 cDNA FLJ61399, highly similar to Spectrin alpha chain, brain	IPI00744706,IPI00843765,IPI00844215,IPI00871535,IPI00879810	282,131.80	1350	1360	DVTGAEALLER	K	H	1,173.61
1596	SNRNP200 Isoform 1 of U5 small nuclear ribonucleoprotein 200 kDa helicase	IPI00420014	244,495.80	1357	1366	TICAEFAILR	K	M	1,193.63
1597	GEMIN5 Gem-associated protein 5	IPI00291783	168,544.60	1373	1386	TVAEVQETLAEMIR	R	Q	1,589.82
1598	RANBP2 E3 SUMO-protein ligase RanBP2	IPI00221325	358,180.20	1384	1398	ELVGPPLAETVFTPK	K	T	1,597.88
1599	FASN Fatty acid synthase	IPI00026781	273,382.00	1394	1404	SFYGSTLFLCR	K	R	1,350.65
1600	MDN1 Midasin	IPI00167941	632,808.30	1397	1410	TTICQVFAALANQK	K	L	1,564.82
1601	CLTC Isoform 1 of Clathrin heavy chain 1	IPI00024067,IPI00455383	191,600.90	1398	1406	VANVELYYR	K	A	1,126.59
1602	SNRNP200 Isoform 1 of U5 small nuclear ribonucleoprotein 200 kDa helicase	IPI00420014	244,495.80	1405	1417	VVLLTGETSTDLK	K	L	1,375.77
1603	FRAP1 FKBP12-rapamycin complex-associated protein	IPI00031410	288,878.40	1407	1422	GPTPAILESLISINNK	K	L	1,666.94
1604	ACACA Isoform 1 of Acetyl-CoA carboxylase 1	IPI00011569	265,538.40	1410	1420	VEVGTEVTDYR	K	F	1,267.62
1605	KNTC1 Kinetochores-associated protein 1	IPI00001458	250,741.10	1414	1423	LGISFQPVFR	K	Q	1,163.66
1606	CAD CAD protein	IPI00301263,IPI00893035	242,964.50	1418	1431	LAADFSVPLIIDIK	R	C	1,514.88
1607	FASN Fatty acid synthase	IPI00026781	273,382.00	1430	1444	GILADESSRPVWLK	K	A	1,685.89
1608	ACACA Isoform 1 of Acetyl-CoA carboxylase 1	IPI00011569	265,538.40	1436	1448	EASFEYLNQNEGER	K	L	1,571.70
1609	CKAP5 Isoform 1 of Cytoskeleton-associated protein 5	IPI00028275,IPI00472887	225,483.70	1442	1453	AQNISSNANMLR	R	K	1,318.65
1610	FASN Fatty acid synthase	IPI00026781	273,382.00	1444	1460	KAINCATSGVVGLVNCL	L	R	1,775.91
1611	FASN Fatty acid synthase	IPI00026781	273,382.00	1445	1461	AINCATSGVVGLVNCLR	K	R	1,803.92
1612	TOP2A Isoform 3 of DNA topoisomerase 2-alpha	IPI00218753,IPI00414101,IPI00478232,IPI00879004	178,700.70	1476	1495	GTKRDPALNSGVSQKPDPAK	K	T	2,066.10
1613	TOP2A Isoform 3 of DNA topoisomerase 2-alpha	IPI00218753,IPI00414101,IPI00478232,IPI00879004	178,700.70	1479	1495	RDPALNSGVSQKPDPAK	K	T	1,779.94
1614	SPTAN1 cDNA FLJ61399, highly similar to Spectrin alpha chain, brain	IPI00744706,IPI00843765,IPI00844215,IPI00871535,IPI00879810	282,131.80	1481	1499	IAALQAFADQLIAAGHYAK	K	G	1,972.07
1615	SNRNP200 Isoform 1 of U5 small nuclear ribonucleoprotein 200 kDa helicase	IPI00420014	244,495.80	1487	1498	IVALSSSLNAK	R	D	1,189.68
1616	FASN Fatty acid synthase	IPI00026781	273,382.00	1496	1507	VLQGDLMNVYR	K	D	1,406.75
1617	FLNA Isoform 2 of Filamin-A	IPI00302592,IPI00333541,IPI00644576,IPI00909642	279,990.70	1520	1535	SISVLYGDEEVPSPF	Y	K	1,794.89
1618	SPTAN1 cDNA FLJ61399, highly similar to Spectrin alpha chain, brain	IPI00744706,IPI00843765,IPI00844215,IPI00871535,IPI00879810	282,131.80	1527	1538	LGESQTLQQFSR	K	D	1,393.71
1619	GCC2 Isoform 1 of GRIP and coiled-coil domain-containing protein 2	IPI00005631,IPI00333197,IPI00872239	184,642.20	1537	1552	LLPVINTMLQLSPEEK	R	G	1,825.01
1620	SPTAN1 cDNA FLJ61399, highly similar to Spectrin alpha chain, brain	IPI00744706,IPI00843765,IPI00844215,IPI00871535,IPI00879810	282,131.80	1539	1550	DVDEIEAWISEK	R	L	1,433.68
1621	BCOR Isoform 2 of BCL-6 corepressor	IPI00100291,IPI00439548,IPI00514505	188,186.40	1544	1555	FLTDYLNLDLQGR	K	N	1,454.73
1622	SPTBN1 Isoform Long of Spectrin beta chain, brain 1	IPI00005614,IPI00871932	274,595.40	1548	1564	SQNIIVTDSSSLSAEAIK	R	Q	1,777.89
1623	GCC2 Isoform 1 of GRIP and coiled-coil domain-containing protein 2	IPI00005631,IPI00333197,IPI00872239	184,642.20	1555	1568	LAAVAQGEENASR	K	S	1,444.70
1624	GCN1L1 Translational activator GCN1	IPI00001159	292,732.30	1571	1590	NPEILAIAPVLLDALTDPSPR	R	K	2,118.18
1625	SNRNP200 Isoform 1 of U5 small nuclear ribonucleoprotein 200 kDa helicase	IPI00420014	244,495.80	1571	1586	LTAIDILTTCAADIQR	R	Q	1,774.94
1626	FASN Fatty acid synthase	IPI00026781	273,382.00	1575	1582	DIMLATGK	R	L	848.4548
1627	ACACA Isoform 1 of Acetyl-CoA carboxylase 1	IPI00011569	265,538.40	1588	1606	FQAQSLGTTYIYDIPMFRR	R	Q	2,280.10
1628	SPTAN1 cDNA FLJ61399, highly similar to Spectrin alpha chain, brain	IPI00744706,IPI00843765,IPI00844215,IPI00871535,IPI00879810	282,131.80	1588	1599	GVIDMGNSLIER	R	G	1,303.67
1629	SPTAN1 cDNA FLJ61399, highly similar to Spectrin alpha chain, brain	IPI00744706,IPI00843765,IPI00844215,IPI00871535,IPI00879810	282,131.80	1613	1626	LAALADQWQFLVQK	R	S	1,630.90
1630	CNOT1 Isoform 1 of CCR4-NOT transcription complex subunit 1	IPI00166010,IPI00880052	266,926.70	1641	1650	SLLEVVLRSR	R	N	1,114.68
1631	HEATR1 HEAT repeat-containing protein 1	IPI00024279,IPI00641437	242,360.80	1644	1654	LVPDLLAIVQR	K	K	1,236.77
1632	CKAP5 Isoform 1 of Cytoskeleton-associated protein 5	IPI00028275,IPI00472887	225,483.70	1655	1666	IEDLEEGQQVIR	R	S	1,428.73

1633	SPTBN1 Isoform Long of Spectrin beta chain, brain 1	IPI00005614,IPI00871932	274,595.40	1657	1668	ALVADSHPESE	R	I	1,310.63
1634	CNOT1 Isoform 1 of CCR4-NOT transcription complex subunit 1	IPI00166010,IPI00880052	266,926.70	1665	1683	AVEGLLDATSGADADLLLR	K	Y	1,900.00
1635	ACACA Isoform 1 of Acetyl-CoA carboxylase 1	IPI00011569	265,538.40	1687	1698	RIGSFGPQEDLL	Y	F	1,331.70
1636	FASN Fatty acid synthase	IPI00026781	273,382.00	1712	1724	FPQLDSTSFANSR	R	D	1,469.70
1637	CAD CAD protein	IPI00301263,IPI00893035	242,964.50	1723	1731	LSLDDLLQFR	R	L	1,072.60
1638	ACACA Isoform 1 of Acetyl-CoA carboxylase 1	IPI00011569	265,538.40	1724	1731	IGLAEIIR	R	H	900.515
1639	FASN Fatty acid synthase	IPI00026781	273,382.00	1740	1758	GVDLVNLNSLAEKQLQASVR	K	C	2,041.13
1640	ACACA Isoform 1 of Acetyl-CoA carboxylase 1	IPI00011569	265,538.40	1759	1780	KRVSALNSVHCEHVEDEGES RY	Y	K	2,601.21
1641	KIF20B Isoform 1 of M-phase phosphoprotein 1	IPI00044751,IPI00412862,IPI00827503	210,671.10	1760	1774	LSNVEASKENVSQPK	K	R	1,629.84
1642	ACACA Isoform 1 of Acetyl-CoA carboxylase 1	IPI00011569	265,538.40	1761	1779	VSALNSVHCEHVEDEGESR	R	Y	2,153.95
1643	KIAA0368 KIAA0368 protein	IPI00157790	223,681.10	1763	1777	AIACVVTACSAELEK	K	S	1,621.79
1644	ACACA Isoform 1 of Acetyl-CoA carboxylase 1	IPI00011569	265,538.40	1765	1780	NSVHCEHVEDEGESRY	L	K	1,946.79
1645	ACACA Isoform 1 of Acetyl-CoA carboxylase 1	IPI00011569	265,538.40	1782	1798	ITDIIGKEEGIGPENLR	K	G	1,854.00
1646	GCN1L1 Translational activator GCN1	IPI00001159	292,732.30	1785	1794	ALADENEFVR	K	D	1,163.57
1647	FASN Fatty acid synthase	IPI00026781	273,382.00	1809	1819	EVWALVQAGIR	R	D	1,241.70
1648	ACACA Isoform 1 of Acetyl-CoA carboxylase 1	IPI00011569	265,538.40	1824	1833	AIGIGAYLVR	R	L	1,032.62
1649	FASN Fatty acid synthase	IPI00026781	273,382.00	1828	1841	CTVFHGAQVEDAFR	K	Y	1,636.75
1650	FASN Fatty acid synthase	IPI00026781	273,382.00	1832	1842	HGAQVEDAFRY	F	M	1,292.60
1651	ACACA Isoform 1 of Acetyl-CoA carboxylase 1	IPI00011569	265,538.40	1838	1856	TIQVENSILITGAGALNK	R	V	1,979.09
1652	FASN Fatty acid synthase	IPI00026781	273,382.00	1852	1866	VVVQVLAEEPEAVLK	K	G	1,622.94
1653	CKAP5 Isoform 1 of Cytoskeleton-associated protein 5	IPI00028275,IPI00472887	225,483.70	1860	1870	YSDADIEPFLK	K	N	1,297.63
1654	CKAP5 Isoform 1 of Cytoskeleton-associated protein 5	IPI00028275,IPI00472887	225,483.70	1871	1882	NSSQFFQSYVER	K	G	1,491.69
1655	GCN1L1 Translational activator GCN1	IPI00001159	292,732.30	1872	1881	AIITALGVER	K	R	1,042.63
1656	MKI67 Isoform Long of Antigen KI-67	IPI00004233,IPI00413173	358,677.80	1928	1938	LDLLGNLPGSK	K	R	1,126.65
1657	HEATR1 HEAT repeat-containing protein 1	IPI00024279,IPI00641437	242,360.80	1933	1946	LLTFYNLADCIAEK	R	L	1,670.85
1658	FASN Fatty acid synthase	IPI00026781	273,382.00	1956	1969	IAEAAQLGPVGGVF	L	N	1,328.72
1659	FASN Fatty acid synthase	IPI00026781	273,382.00	1970	1975	NLAVVL	F	R	628.4028
1660	ACACA Isoform 1 of Acetyl-CoA carboxylase 1	IPI00011569	265,538.40	1978	1991	LGGIPVGVVAVETR	R	T	1,366.81
1661	FASN Fatty acid synthase	IPI00026781	273,382.00	1996	2004	YSGTLNLDR	K	V	1,038.52
1662	FASN Fatty acid synthase	IPI00026781	273,382.00	2008	2026	EACPELDYFVVFSSVSCGR	R	G	2,221.99
1663	ACACA Isoform 1 of Acetyl-CoA carboxylase 1	IPI00011569	265,538.40	2010	2025	IIQQAGQVWFPSAFK	K	T	1,834.95
1664	FASN Fatty acid synthase	IPI00026781	273,382.00	2020	2034	SSVSCGRGNAGQSNY	F	G	1,543.66
1665	ACACA Isoform 1 of Acetyl-CoA carboxylase 1	IPI00011569	265,538.40	2026	2035	TYQAIKDFNR	K	E	1,255.64
1666	FASN Fatty acid synthase	IPI00026781	273,382.00	2027	2043	GNAGQSNYGFANSAMER	R	I	1,773.76
1667	ACACA Isoform 1 of Acetyl-CoA carboxylase 1	IPI00011569	265,538.40	2036	2047	EGLPLMVFANWR	R	G	1,448.74
1668	TLN1 Talin-1	IPI00298994	269,747.10	2044	2057	LAQAAQSSVATITR	K	L	1,416.78
1669	ACACA Isoform 1 of Acetyl-CoA carboxylase 1	IPI00011569	265,538.40	2063	2072	FGAYIVDGLR	K	E	1,110.59
1670	SPTBN1 Isoform Long of Spectrin beta chain, brain 1	IPI00005614,IPI00871932	274,595.40	2079	2088	LTTLELLEVR	R	R	1,186.70
1671	HEATR1 HEAT repeat-containing protein 1	IPI00024279,IPI00641437	242,360.80	2082	2094	FAALITVLALAEK	R	L	1,359.82
1672	ACACA Isoform 1 of Acetyl-CoA carboxylase 1	IPI00011569	265,538.40	2090	2103	GGSWVIDSSINPR	R	H	1,486.76
1673	GCN1L1 Translational activator GCN1	IPI00001159	292,732.30	2093	2107	VLAFLSSVAGDALTR	R	H	1,519.85
1674	GCN1L1 Translational activator GCN1	IPI00001159	292,732.30	2151	2161	IIIEDLLEATR	R	S	1,285.74
1675	FASN Fatty acid synthase	IPI00026781	273,382.00	2169	2177	ELNLVLSVR	R	E	1,042.63
1676	SPTBN1 Isoform Long of Spectrin beta chain, brain 1	IPI00005614,IPI00871932	274,595.40	2178	2191	TALPAQSAATLTPAR	K	T	1,367.76
1677	CNOT1 Isoform 1 of CCR4-NOT transcription complex subunit 1	IPI00166010,IPI00880052	266,926.70	2188	2197	SPVTFLSDLR	R	S	1,134.62
1678	FASN Fatty acid synthase	IPI00026781	273,382.00	2194	2206	ADEASELACPTPK	K	E	1,388.64

1679	FASN Fatty acid synthase	IPI00026781	273,382.00	2207	2220	EDGLAQQQTQLNLR	K	S	1,613.82
1680	FASN Fatty acid synthase	IPI00026781	273,382.00	2221	2233	SLLVNPEGPTLMR	R	L	1,442.77
1681	ACACA Isoform 1 of Acetyl-CoA carboxylase 1	IPI00011569	265,538.40	2232	2249	IHNANPELTDGQIQAMLR	K	R	2,037.02
1682	FASN Fatty acid synthase	IPI00026781	273,382.00	2276	2294	AAPLDSIHSLAAYYIDCIR	R	Q	2,149.07
1683	FASN Fatty acid synthase	IPI00026781	273,382.00	2289	2302	YIDCIRQVQPEGPY	Y	R	1,737.83
1684	FASN Fatty acid synthase	IPI00026781	273,382.00	2383	2391	VLEALLPLK	R	G	995.6501
1685	FASN Fatty acid synthase	IPI00026781	273,382.00	2397	2406	VAAAVDLIIK	R	S	1,012.64
1686	FASN Fatty acid synthase	IPI00026781	273,382.00	2429	2436	AAEQYTPK	R	A	907.452
1687	SPTAN1 cDNA FLJ61399, highly similar to Spectrin alpha chain, brain	IPI00744706,IPI00843765,IPI00844215,IPI00871535,IPI00879810	282,131.80	2435	2447	ELPTAFDYVEFTR	R	S	1,587.77
1688	FASN Fatty acid synthase	IPI00026781	273,382.00	2450	2471	TGGAYGEDLGADYNLSQVCD GK	K	V	2,289.99
1689	DYNC1H1 Cytoplasmic dynein 1 heavy chain 1	IPI00456969	532,387.60	3924	3937	IQGLTVEQAEAVVR	R	L	1,512.84
1690	DYNC1H1 Cytoplasmic dynein 1 heavy chain 1	IPI00456969	532,387.60	4264	4271	LLNTFLER	R	L	1,005.57

Supplemental Dataset Table 3. Heavy-Lys Containing Peptides Identified Following Heavy-Lys and Ani-labeling and DIBAC-Biotin Enrichment

Legend:

N-terminal Peptide (amino acid start index = 1)

N-terminal Peptide (amino acid start index = 2)

Internal Peptide

C-terminal Peptide

	Protein name	Protein accession numbers	Protein molecular weight (Da)	Peptide start index	Peptide stop index	Peptide sequence	Previous amino acid	Next amino acid	Calculated +1H peptide mass (AMU)
1	CFL1 Cofilin-1	IPI00012011	18,485.10	2	13	ASGVAVSDGVIK	M	V	1,152.64
2	TUBB Tubulin beta chain	IPI00011654	49652.6	3	19	EIVHIQAGQCGNQIGAK	R	F	1830.9373
3	TUBB2B Tubulin beta-2B chain	IPI00031370	49935.1	3	19	EIVHIQAGQCGNQIGAK	R	F	1830.9373
4	TUBB Tubulin beta chain	IPI00011654	49,652.60	3	19	EIVHIQAGQCGNQIGAK	R	F	1,830.94
5	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	3	19	EIVHLQAGQCGNQIGAK	R	F	1,830.94
6	GAPDH Glyceraldehyde-3-phosphate dehydrogenase	IPI00219018	36,035.30	4	13	VKVGVNGFGR	K	I	1,040.61
7	GAPDH Glyceraldehyde-3-phosphate dehydrogenase	IPI00219018	36,035.30	4	13	VKVGVNGFGR	K	I	1,040.61
8	HNRNPA1 Isoform A1-B of Heterogeneous nuclear ribonucleoprotein A1	IPI00215965,IPI00465365	38,828.10	4	15	SESPKEPEQLRK	K	L	1,443.78
9	RPL17;LOC100133931 60S ribosomal protein L17	IPI00413324	21,379.40	4	13	YSLDPENPTK	R	S	1,171.57
10	SFRS3 Splicing factor, arginine/serine-rich 3	IPI00010204,IPI00843996	19,312.00	4	11	DSCPLDCK	R	V	1,002.41
11	SFRS3 Splicing factor, arginine/serine-rich 3	IPI00010204,IPI00843996	19,312.00	4	11	DSCPLDCK	R	V	1,002.41
12	SFRS3 Splicing factor, arginine/serine-rich 3	IPI00010204,IPI00843996	19,312.00	4	11	DSCPLDCK	R	V	1,002.41
13	TPT1 Tumor protein, translationally-controlled 1	IPI00009943,IPI00384863,IPI00550900,IPI00908553,IPI00910288	21,508.50	6	19	DLISHDEMFSDIYK	R	I	1,736.79
14	TPT1 Tumor protein, translationally-controlled 1	IPI00009943,IPI00384863,IPI00550900,IPI00908553,IPI00910288	21,508.50	6	19	DLISHDEMFSDIYK	R	I	1,736.79
15	NAT13 Isoform 1 of N-acetyltransferase 13	IPI00018627	19,380.90	6	17	IELGDVTPHNIK	R	Q	1,343.74
16	NAT13 Isoform 1 of N-acetyltransferase 13	IPI00018627	19,380.90	6	17	IELGDVTPHNIK	R	Q	1,343.74
17	RAP1B Ras-related protein Rap-1b	IPI00015148,IPI00796349,IPI00908754,IPI00910592	20,806.90	6	16	LVVLGSGGVGK	K	S	993.6184
18	HRAS GTPase HRas	IPI00000006	21,280.10	6	16	LVVVGAGGVGK	K	S	963.6078
19	EEF1A1 Elongation factor 1-alpha 1	IPI00396485,IPI00472724	50,123.20	6	20	THINIVVIGHVDSGK	K	S	1,596.89
20	RAP1B Ras-related protein Rap-1b	IPI00015148,IPI00796349,IPI00908754,IPI00910592	20,806.90	6	16	LVVLGSGGVGK	K	S	993.6184
21	HRAS GTPase HRas	IPI00000006	21,280.10	6	16	LVVVGAGGVGK	K	S	963.6078
22	EEF1A2 Elongation factor 1-alpha 2	IPI00014424	50,452.60	6	20	THINIVVIGHVDSGK	K	S	1,596.89
23	EEF1A1 Elongation factor 1-alpha 1	IPI00396485,IPI00472724	50,123.20	6	20	THINIVVIGHVDSGK	K	S	1,596.89
24	PCNA Proliferating cell nuclear antigen	IPI00021700	28,751.30	6	14	LVQGSILKK	R	V	1,001.67
25	PCNA Proliferating cell nuclear antigen	IPI00021700	28,751.30	6	14	LVQGSILKK	R	V	1,001.67
26	PCNA Proliferating cell nuclear antigen	IPI00021700	28,751.30	6	14	LVQGSILKK	R	V	1,001.67
27	RPL23A;hCG_16001 60S ribosomal protein L23a	IPI00021266	17,678.20	7	18	KEAPAPPKAEAK	K	A	1,260.74
28	RPL23A;hCG_16001 60S ribosomal protein L23a	IPI00021266	17,678.20	7	18	KEAPAPPKAEAK	K	A	1,260.74
29	ATP1A1 Isoform Long of Sodium/potassium-transporting ATPase subunit alpha-1	IPI00006482,IPI00646182	112,881.50	8	22	DKYEPAVSEQGDKK	R	G	1,688.86
30	CHMP2A Charged multivesicular body protein 2a	IPI00004416	25,087.00	8	16	RKTPEELLR	R	Q	1,149.68
31	CHMP2A Charged multivesicular body protein 2a	IPI00004416	25,087.00	8	16	RKTPEELLR	R	Q	1,149.68
32	EEF1B2 Elongation factor 1-beta	IPI00178440	24,746.20	8	22	SPAGLQVLNDYLADK	K	S	1,611.85
33	RPS10 40S ribosomal protein S10	IPI00008438	18,880.30	9	17	IAIYELLFK	R	E	1,117.67
34	RPS10 40S ribosomal protein S10	IPI00008438	18,880.30	9	17	IAIYELLFK	R	E	1,117.67
35	RPS10 40S ribosomal protein S10	IPI00008438	18,880.30	9	17	IAIYELLFK	R	E	1,117.67
36	RPS10 40S ribosomal protein S10	IPI00008438	18,880.30	9	17	IAIYELLFK	R	E	1,117.67
37	RPS10 40S ribosomal protein S10	IPI00008438	18,880.30	9	17	IAIYELLFK	R	E	1,117.67
38	BUB3 Mitotic checkpoint protein BUB3	IPI00013468,IPI00514701,IPI00644108	37,136.70	9	21	LNQPPEDGISSVK	K	F	1,391.73
39	PPP2CA Serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform	IPI00008380	35,576.50	9	21	ELDQWIEQLNECK	K	Q	1,712.80
40	PPP2CA Serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform	IPI00008380	35,576.50	9	21	ELDQWIEQLNECK	K	Q	1,712.80

41	RBMX Heterogeneous nuclear ribonucleoprotein G	IPI00304692	42,315.70	10	22	LFIGGLNTETNEK	K	A	1,443.76
42	RBMX Heterogeneous nuclear ribonucleoprotein G	IPI00304692	42,315.70	10	22	LFIGGLNTETNEK	K	A	1,443.76
43	RBMX Heterogeneous nuclear ribonucleoprotein G	IPI00304692	42,315.70	10	22	LFIGGLNTETNEK	K	A	1,443.76
44	RBMX Heterogeneous nuclear ribonucleoprotein G	IPI00304692	42,315.70	10	22	LFIGGLNTETNEK	K	A	1,443.76
45	RBMX Heterogeneous nuclear ribonucleoprotein G	IPI00304692	42,315.70	10	22	LFIGGLNTETNEK	K	A	1,443.76
46	RBMX Heterogeneous nuclear ribonucleoprotein G	IPI00304692	42,315.70	10	22	LFIGGLNTETNEK	K	A	1,443.76
47	RBMX Heterogeneous nuclear ribonucleoprotein G	IPI00304692	42,315.70	10	22	LFIGGLNTETNEK	K	A	1,443.76
48	RBMX Heterogeneous nuclear ribonucleoprotein G	IPI00304692	42,315.70	10	22	LFIGGLNTETNEK	K	A	1,443.76
49	AK1 Adenylate kinase isoenzyme 1	IPI00018342,IPI00640817	21,617.10	10	21	IIFVVGPGGSGK	K	G	1,138.67
50	CDC2 Putative uncharacterized protein DKFZp686L20222	IPI00026689,IPI00908424	34,762.10	10	20	IGEGTYGVVYK	K	G	1,193.63
51	AK1 Adenylate kinase isoenzyme 1	IPI00018342,IPI00640817	21,617.10	10	21	IIFVVGPGGSGK	K	G	1,138.67
52	CDC2 Putative uncharacterized protein DKFZp686L20222	IPI00026689,IPI00908424	34,762.10	10	20	IGEGTYGVVYK	K	G	1,193.63
53	RPL7 60S ribosomal protein L7	IPI00030179,IPI00472171,IPI00871827,IPI00872387	29,209.70	10	19	EVPAVPETLK	K	K	1,090.62
54	BAX Isoform Epsilon of Apoptosis regulator BAX	IPI00071059,IPI00443773,IPI00444945,IPI00845474	18,111.40	10	21	GGGPTSSEQIMK	R	T	1,215.58
55	BAX Isoform Epsilon of Apoptosis regulator BAX	IPI00071059,IPI00443773,IPI00444945,IPI00845474	18,111.40	10	21	GGGPTSSEQIMK	R	T	1,215.58
56	YWHAZ 14-3-3 protein zeta/delta	IPI00021263	27,727.90	10	18	AKLAEQAER	K	Y	1,023.57
57	YWHAQ 14-3-3 protein theta	IPI00018146	27,747.40	10	18	AKLAEQAER	K	Y	1,023.57
58	YWHAZ 14-3-3 protein zeta/delta	IPI00021263	27,727.90	10	18	AKLAEQAER	K	Y	1,023.57
59	YWHAQ 14-3-3 protein theta	IPI00018146	27,747.40	10	18	AKLAEQAER	K	Y	1,023.57
60	YWHAZ 14-3-3 protein zeta/delta	IPI00021263	27,727.90	10	18	AKLAEQAER	K	Y	1,023.57
61	YWHAQ 14-3-3 protein theta	IPI00018146	27,747.40	10	18	AKLAEQAER	K	Y	1,023.57
62	MARCKSL1 MARCKS-related protein	IPI00641181	19,510.60	11	25	GDVTAEEAAGASPAK	R	A	1,381.67
63	MARCKSL1 MARCKS-related protein	IPI00641181	19,510.60	11	25	GDVTAEEAAGASPAK	R	A	1,381.67
64	ARF3 ADP-ribosylation factor 3	IPI00215917	20,583.70	11	16	SLIGKK	K	E	661.4579
65	GRB2 Isoform 1 of Growth factor receptor-bound protein 2	IPI00021327	25,188.80	11	21	ATADDELSFKR	K	G	1,260.63
66	GRB2 Isoform 1 of Growth factor receptor-bound protein 2	IPI00021327	25,188.80	11	20	ATADDELSFK	K	R	1,104.53
67	GRB2 Isoform 1 of Growth factor receptor-bound protein 2	IPI00021327	25,188.80	11	20	ATADDELSFK	K	R	1,104.53
68	RAB1B Ras-related protein Rab-1B	IPI00008964,IPI00871366,IPI00896425	22,154.00	11	21	LLLIGDSGVGK	K	S	1,079.66
69	RAB18 Ras-related protein Rab-18	IPI00014577	22,959.50	11	21	ILIIGESGVGK	K	S	1,093.67
70	RAB1B Ras-related protein Rab-1B	IPI00008964,IPI00871366,IPI00896425	22,154.00	11	21	LLLIGDSGVGK	K	S	1,079.66
71	RAB18 Ras-related protein Rab-18	IPI00014577	22,959.50	11	21	ILIIGESGVGK	K	S	1,093.67
72	SLC25A5 ADP/ATP translocase 2	IPI00007188	32,878.50	11	23	DFLAGGVAAAISK	K	T	1,227.68
73	SLC25A5 ADP/ATP translocase 2	IPI00007188	32,878.50	11	23	DFLAGGVAAAISK	K	T	1,227.68
74	SLC25A5 ADP/ATP translocase 2	IPI00007188	32,878.50	11	23	DFLAGGVAAAISK	K	T	1,227.68
75	RAB7A Ras-related protein Rab-7a	IPI00016342	23,472.00	11	21	VIIIGDSGVGK	K	T	1,065.64
76	SLC25A5 ADP/ATP translocase 2	IPI00007188	32,878.50	11	23	DFLAGGVAAAISK	K	T	1,227.68
77	YWHAQ 14-3-3 protein theta	IPI00018146	27,747.40	12	27	LAEQAERYDDMATCMK	K	A	1,971.83
78	UBB;RPS27A;UBC ubiquitin and ribosomal protein S27a precursor	IPI00179330,IPI00456429,IPI00719280,IPI00743241,IPI00743650,IPI00744274,IPI00784990,IPI00789107,IPI00789823,IPI00790633,IPI00792712,IPI00793330,IPI00793729,IPI00793810,IPI00794211,IPI00794925,IPI00795527,IPI00796007,IPI00796600,IPI00797400,IPI00798127,IPI00798155	17,947.60	12	27	TITLEVEPSDTIENVK	K	A	1,795.94
79	YWHAQ 14-3-3 protein theta	IPI00018146	27,747.40	12	27	LAEQAERYDDMATCMK	K	A	1,971.83
80	UBB;RPS27A;UBC ubiquitin and ribosomal protein S27a precursor	IPI00179330,IPI00456429,IPI00719280,IPI00743241,IPI00743650,IPI00744274,IPI00784990,IPI00789107,IPI00789823,IPI00790633,IPI00792712,IPI00793330,IPI00793729,IPI00793810,IPI00794211,IPI00794925,IPI00795527,IPI00796007,IPI00796600,IPI00797400,IPI00798127,IPI00798155	17,947.60	12	27	TITLEVEPSDTIENVK	K	A	1,795.94
81	UBB;RPS27A;UBC ubiquitin and ribosomal protein S27a precursor	IPI00179330,IPI00456429,IPI00719280,IPI00743241,IPI00743650,IPI00744274,IPI00784990,IPI00789107,IPI00789823,IPI00790633,IPI00792712,IPI00793330,IPI00793729,IPI00793810,IPI00794211,IPI00794925,IPI00795527,IPI00796007,IPI00796600,IPI00797400,IPI00798127,IPI00798155	17,947.60	12	27	TITLEVEPSDTIENVK	K	A	1,795.94

82	UBB;RPS27A;UBC ubiquitin and ribosomal protein S27a precursor	IPI00179330,IPI00456429,IPI00719280,IPI00743241,IPI00743650,IPI00744274,IPI00784990,IPI00789107,IPI00789823,IPI00790633,IPI00792712,IPI00793330,IPI00793729,IPI00793810,IPI00794211,IPI00794925,IPI00795527,IPI00796007,IPI00796600,IPI00797400,IPI00798127,IPI00798155	17,947.60	12	27	TITLEVEPSDTIENVK	K	A	1,795.94
83	UBB;RPS27A;UBC ubiquitin and ribosomal protein S27a precursor	IPI00179330,IPI00456429,IPI00719280,IPI00743241,IPI00743650,IPI00744274,IPI00784990,IPI00789107,IPI00789823,IPI00790633,IPI00792712,IPI00793330,IPI00793729,IPI00793810,IPI00794211,IPI00794925,IPI00795527,IPI00796007,IPI00796600,IPI00797400,IPI00798127,IPI00798155	17,947.60	12	27	TITLEVEPSDTIENVK	K	A	1,795.94
84	UBB;RPS27A;UBC ubiquitin and ribosomal protein S27a precursor	IPI00179330,IPI00456429,IPI00719280,IPI00743241,IPI00743650,IPI00744274,IPI00784990,IPI00789107,IPI00789823,IPI00790633,IPI00792712,IPI00793330,IPI00793729,IPI00793810,IPI00794211,IPI00794925,IPI00795527,IPI00796007,IPI00796600,IPI00797400,IPI00798127,IPI00798155	17,947.60	12	27	TITLEVEPSDTIENVK	K	A	1,795.94
85	UBB;RPS27A;UBC ubiquitin and ribosomal protein S27a precursor	IPI00179330,IPI00456429,IPI00719280,IPI00743241,IPI00743650,IPI00744274,IPI00784990,IPI00789107,IPI00789823,IPI00790633,IPI00792712,IPI00793330,IPI00793729,IPI00793810,IPI00794211,IPI00794925,IPI00795527,IPI00796007,IPI00796600,IPI00797400,IPI00798127,IPI00798155	17,947.60	12	27	TITLEVEPSDTIENVK	K	A	1,795.94
86	UBB;RPS27A;UBC ubiquitin and ribosomal protein S27a precursor	IPI00179330,IPI00456429,IPI00719280,IPI00743241,IPI00743650,IPI00744274,IPI00784990,IPI00789107,IPI00789823,IPI00790633,IPI00792712,IPI00793330,IPI00793729,IPI00793810,IPI00794211,IPI00794925,IPI00795527,IPI00796007,IPI00796600,IPI00797400,IPI00798127,IPI00798155	17,947.60	12	27	TITLEVEPSDTIENVK	K	A	1,795.94
87	TCEB2 Transcription elongation factor B polypeptide 2	IPI00026670,IPI00410162,IPI00917694	13,115.20	12	29	TTIFDAKESSTVFLKLR	K	I	2,089.11
88	RARS Isoform Complexed of Arginyl-tRNA synthetase, cytoplasmic	IPI00004860	75,364.00	12	20	LLQQEEEIK	R	S	1,137.62
89	YWHAB Isoform Long of 14-3-3 protein beta/alpha	IPI00216318,IPI00759832	28,065.10	12	20	AKLAEQAER	K	Y	1,023.57
90	YWHAB Isoform Long of 14-3-3 protein beta/alpha	IPI00216318,IPI00759832	28,065.10	12	20	AKLAEQAER	K	Y	1,023.57
91	YWHAB Isoform Long of 14-3-3 protein beta/alpha	IPI00216318,IPI00759832	28,065.10	12	20	AKLAEQAER	K	Y	1,023.57
92	YWHAE 14-3-3 protein epsilon	IPI00000816	29,157.00	13	28	LAEQAERYDEMVESMK	K	K	1,968.88
93	TXNDC9 Thioredoxin domain-containing protein 9	IPI00022386	26,517.00	13	23	VLEHQLLQTTK	K	L	1,317.76
94	TXNDC9 Thioredoxin domain-containing protein 9	IPI00022386	26,517.00	13	23	VLEHQLLQTTK	K	L	1,317.76
95	YWHAE 14-3-3 protein epsilon	IPI00000816	29,157.00	13	29	LAEQAERYDEMVESMKK	K	V	2,104.99
96	YWHAE 14-3-3 protein epsilon	IPI00000816	29,157.00	13	29	LAEQAERYDEMVESMKK	K	V	2,104.99
97	STIP1 Stress-induced-phosphoprotein 1	IPI00013894,IPI00871856	62,624.10	14	32	ALSVGNIDDALQCYSEAIK	K	L	2,075.02
98	RAB1A Isoform 1 of Ras-related protein Rab-1A	IPI00005719,IPI00873902	22,660.40	14	24	LLLIGDSGVGK	K	S	1,079.66
99	RAB11B Ras-related protein Rab-11B	IPI00020436,IPI00429190,IPI00795676	24,471.00	14	24	VVLIGDSGVGK	K	S	1,051.62
100	RAB11B Ras-related protein Rab-11B	IPI00020436,IPI00429190,IPI00795676	24,471.00	14	24	VVLIGDSGVGK	K	S	1,051.62
101	TAF9B;LOC728198 Transcription initiation factor TFIID subunit 9B	IPI00642105	27,604.50	15	24	DALVMAQILK	R	D	1,109.65
102	COMMD8 COMM domain-containing protein 8	IPI00016447,IPI00871891	21,072.90	15	26	LPAELGPQLLHK	K	I	1,323.79
103	ANP32A Acidic leucine-rich nuclear phosphoprotein 32 family member A	IPI00025849	28,568.10	15	28	TPSDVKELVLDNSR	R	S	1,580.84
104	NUDT5 ADP-sugar pyrophosphatase	IPI00296913,IPI00646261,IPI00646762,IPI00647797	24,309.80	15	27	QYIISEELISEGK	K	W	1,516.80
105	COPZ1 Coatomer subunit zeta-1	IPI00032851	20,180.90	15	29	AILILDNDGDRLFAK	K	Y	1,681.94
106	COPZ1 Coatomer subunit zeta-1	IPI00032851	20,180.90	15	29	AILILDNDGDRLFAK	K	Y	1,681.94
107	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	16	28	GNPTVEVDLFTSK	R	G	1,414.73
108	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	16	28	GNPTVEVDLFTSK	R	G	1,414.73
109	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	16	28	GNPTVEVDLFTSK	R	G	1,414.73
110	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	16	28	GNPTVEVDLFTSK	R	G	1,414.73
111	RPL23 60S ribosomal protein L23	IPI00010153,IPI00795408	14,847.90	16	35	ISLGLPVGAVINCADNTGAK	R	N	1,978.05
112	RPL23 60S ribosomal protein L23	IPI00010153,IPI00795408	14,847.90	16	35	ISLGLPVGAVINCADNTGAK	R	N	1,978.05
113	RPLP0 60S acidic ribosomal protein P0	IPI00008530	34,256.30	17	26	IIQLDDYPK	K	C	1,225.69
114	RPLP0 60S acidic ribosomal protein P0	IPI00008530	34,256.30	17	26	IIQLDDYPK	K	C	1,225.69
115	RPLP0 60S acidic ribosomal protein P0	IPI00008530	34,256.30	17	26	IIQLDDYPK	K	C	1,225.69
116	RPL12 Isoform 1 of 60S ribosomal protein L12	IPI00024933	17,801.10	17	31	CTGGEVGATSALAPK	R	I	1,426.71
117	RPL12 Isoform 1 of 60S ribosomal protein L12	IPI00024933	17,801.10	17	31	CTGGEVGATSALAPK	R	I	1,426.71
118	RPL12 Isoform 1 of 60S ribosomal protein L12	IPI00024933	17,801.10	17	31	CTGGEVGATSALAPK	R	I	1,426.71
119	RPL12 Isoform 1 of 60S ribosomal protein L12	IPI00024933	17,801.10	17	31	CTGGEVGATSALAPK	R	I	1,426.71
120	YARS Tyrosyl-tRNA synthetase, cytoplasmic	IPI00007074	59,127.10	17	26	NLQEVLGEEK	R	L	1,166.61
121	RPS19 40S ribosomal protein S19	IPI00215780	16,042.50	17	24	ALAAFLKK	R	S	877.5841

122	RPS19 40S ribosomal protein S19	IPI00215780	16,042.50	17	24	ALA AFLKK	R	S	877.5841
123	CTPS CTP synthase 1	IPI00290142	66,672.70	17	28	GIASSVGTILK	K	S	1,166.72
124	AK2 Isoform 1 of Adenylate kinase isoenzyme 2, mitochondrial	IPI00215901,IPI00218988	26,461.00	18	28	AVLLGPPGAGK	R	G	987.6079
125	AK2 Isoform 1 of Adenylate kinase isoenzyme 2, mitochondrial	IPI00215901,IPI00218988	26,461.00	18	28	AVLLGPPGAGK	R	G	987.6079
126	AK2 Isoform 1 of Adenylate kinase isoenzyme 2, mitochondrial	IPI00215901,IPI00218988	26,461.00	18	28	AVLLGPPGAGK	R	G	987.6079
127	AK2 Isoform 1 of Adenylate kinase isoenzyme 2, mitochondrial	IPI00215901,IPI00218988	26,461.00	18	28	AVLLGPPGAGK	R	G	987.6079
128	PDLIM1 PDZ and LIM domain protein 1	IPI00010414	36,053.30	18	32	LVGGKDFEQPLAISR	R	V	1,637.91
129	YWHAQ 14-3-3 protein theta	IPI00018146	27,747.40	19	27	YDDMATCMK	R	A	1,174.43
130	YWHAQ 14-3-3 protein theta	IPI00018146	27,747.40	19	27	YDDMATCMK	R	A	1,174.43
131	PSMD10 26S proteasome non-ATPase regulatory subunit 10	IPI00003565,IPI00027699	24,410.20	19	30	LEELKESILADK	K	S	1,403.80
132	YWHAZ 14-3-3 protein zeta/delta	IPI00021263	27,727.90	19	27	YDDMAACMK	R	S	1,144.42
133	YWHAZ 14-3-3 protein zeta/delta	IPI00021263	27,727.90	19	27	YDDMAACMK	R	S	1,144.42
134	TCP1 T-complex protein 1 subunit alpha	IPI00290566	60,327.20	19	33	SQNVMMAASIANIVK	R	S	1,540.82
135	TCP1 T-complex protein 1 subunit alpha	IPI00290566	60,327.20	19	33	SQNVMMAASIANIVK	R	S	1,540.82
136	PSMB2 Proteasome subunit beta type-2	IPI00028006	22,819.50	20	29	VAASNIVQMK	R	D	1,084.59
137	TPT1 Tumor protein, translationally-controlled 1	IPI00009943,IPI00384863,IPI00550900,IPI00908553,IPI00910288	21,508.50	20	34	IREIADGLCLEVEGK	K	M	1,709.90
138	YWHAG 14-3-3 protein gamma	IPI00220642	28,285.10	20	28	YDDMAAMK	R	N	1,055.43
139	YWHAG 14-3-3 protein gamma	IPI00220642	28,285.10	20	28	YDDMAAMK	R	N	1,055.43
140	YWHAG 14-3-3 protein gamma	IPI00220642	28,285.10	20	28	YDDMAAMK	R	N	1,055.43
141	PPIA Peptidyl-prolyl cis-trans isomerase A	IPI00419585,IPI00887678	17,994.90	20	31	VSFELFADKVPK	R	T	1,395.79
142	ARF3 ADP-ribosylation factor 3	IPI00215917	20,583.70	20	30	ILMVGLDAAGK	R	T	1,111.63
143	PPIA Peptidyl-prolyl cis-trans isomerase A	IPI00419585,IPI00887678	17,994.90	20	31	VSFELFADKVPK	R	T	1,395.79
144	PPIA Peptidyl-prolyl cis-trans isomerase A	IPI00419585,IPI00887678	17,994.90	20	31	VSFELFADKVPK	R	T	1,395.79
145	ARF3 ADP-ribosylation factor 3	IPI00215917	20,583.70	20	30	ILMVGLDAAGK	R	T	1,111.63
146	PPIA Peptidyl-prolyl cis-trans isomerase A	IPI00419585,IPI00887678	17,994.90	20	28	VSFELFADK	R	V	1,063.56
147	PPIA Peptidyl-prolyl cis-trans isomerase A	IPI00419585,IPI00887678	17,994.90	20	28	VSFELFADK	R	V	1,063.56
148	PPIA Peptidyl-prolyl cis-trans isomerase A	IPI00419585,IPI00887678	17,994.90	20	28	VSFELFADK	R	V	1,063.56
149	YWHAB Isoform Long of 14-3-3 protein beta/alpha	IPI00216318,IPI00759832	28,065.10	21	29	YDDMAAMK	R	A	1,055.43
150	YWHAB Isoform Long of 14-3-3 protein beta/alpha	IPI00216318,IPI00759832	28,065.10	21	29	YDDMAAMK	R	A	1,055.43
151	YWHAB Isoform Long of 14-3-3 protein beta/alpha	IPI00216318,IPI00759832	28,065.10	21	29	YDDMAAMK	R	A	1,055.43
152	EEF1A1 Elongation factor 1-alpha 1	IPI00396485,IPI00472724	50,123.20	21	30	STTTGHLIYK	K	C	1,128.61
153	EEF1A2 Elongation factor 1-alpha 2	IPI00014424	50,452.60	21	30	STTTGHLIYK	K	C	1,128.61
154	EEF1A1 Elongation factor 1-alpha 1	IPI00396485,IPI00472724	50,123.20	21	30	STTTGHLIYK	K	C	1,128.61
155	HNRNPA3 Isoform 1 of Heterogeneous nuclear ribonucleoprotein A3	IPI00419373	39,577.10	21	35	RGEEGHDPKEPEQLR	R	K	1,784.88
156	HNRNPA3 Isoform 1 of Heterogeneous nuclear ribonucleoprotein A3	IPI00419373	39,577.10	21	35	RGEEGHDPKEPEQLR	R	K	1,784.88
157	PSMA5 Proteasome subunit alpha type-5	IPI00291922	26,393.30	21	32	LFQVEYAIEAIK	R	L	1,431.80
158	PSMA5 Proteasome subunit alpha type-5	IPI00291922	26,393.30	21	32	LFQVEYAIEAIK	R	L	1,431.80
159	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IPI00290770,IPI00552715,IPI00553185	60,446.30	21	31	KVQSGNINAAK	R	T	1,145.66
160	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IPI00290770,IPI00552715,IPI00553185	60,446.30	21	31	KVQSGNINAAK	R	T	1,145.66
161	SRP14 Signal recognition particle 14 kDa protein	IPI00293434	14,552.60	22	31	TSGSVYITLK	R	K	1,076.61
162	TPT1 Tumor protein, translationally-controlled 1	IPI00009943,IPI00384863,IPI00550900,IPI00908553,IPI00910288	21,508.50	22	34	EIADGLCLEVEGK	R	M	1,440.71
163	TPT1 Tumor protein, translationally-controlled 1	IPI00009943,IPI00384863,IPI00550900,IPI00908553,IPI00910288	21,508.50	22	34	EIADGLCLEVEGK	R	M	1,440.71
164	NHP2L1 NHP2-like protein 1	IPI00026167,IPI00893746	14,155.80	22	33	LLDLVQSCSNYK	K	Q	1,488.76
165	ATIC Bifunctional purine biosynthesis protein PURH	IPI00289499	64,598.50	23	39	NLTALGLNLVASGGTAK	R	A	1,607.92
166	ATIC Bifunctional purine biosynthesis protein PURH	IPI00289499	64,598.50	23	39	NLTALGLNLVASGGTAK	R	A	1,607.92

167	ATIC Bifunctional purine biosynthesis protein PURH	IPI00289499	64,598.50	23	39	NLTALGLNLVASGGTAK	R	A	1,607.92
168	ATIC Bifunctional purine biosynthesis protein PURH	IPI00289499	64,598.50	23	39	NLTALGLNLVASGGTAK	R	A	1,607.92
169	NAPA Alpha-soluble NSF attachment protein	IPI00009253	33,216.10	23	37	NSQSFFSGLFGGSSK	K	I	1,557.74
170	NAPA Alpha-soluble NSF attachment protein	IPI00009253	33,216.10	23	37	NSQSFFSGLFGGSSK	K	I	1,557.74
171	NAPA Alpha-soluble NSF attachment protein	IPI00009253	33,216.10	23	37	NSQSFFSGLFGGSSK	K	I	1,557.74
172	NP cDNA FLJ25678 fis, clone TST04067, highly similar to PURINE NUCLEOSIDE PHOSPHORYLASE RUVBL1 Isoform 1 of RuvB-like 1	IPI00017672,IPI00871140	32,533.50	23	41	HRPQVAICGSLGGLTDK	K	L	1,987.06
173	RUVBL1 Isoform 1 of RuvB-like 1	IPI00021187	50,211.40	23	33	GLGLDESGLAK	K	Q	1,067.58
174	RUVBL1 Isoform 1 of RuvB-like 1	IPI00021187	50,211.40	23	33	GLGLDESGLAK	K	Q	1,067.58
175	RUVBL1 Isoform 1 of RuvB-like 1	IPI00021187	50,211.40	23	33	GLGLDESGLAK	K	Q	1,067.58
176	RBMX Heterogeneous nuclear ribonucleoprotein G	IPI00304692	42,315.70	23	30	ALEAVFGK	K	Y	842.4862
177	RPL9 60S ribosomal protein L9	IPI00031691,IPI00795717	21,845.70	24	31	TVIVKGPR	R	G	877.571
178	NPM1 Isoform 1 of Nucleophosmin	IPI00549248	32,557.40	25	45	ADKDYHFKVDNDENEHQLSL R	K	T	2,589.23
179	NPM1 Isoform 1 of Nucleophosmin	IPI00549248	32,557.40	25	32	ADKDYHFK	K	V	1,039.52
180	GRB2 Isoform 1 of Growth factor receptor-bound protein 2	IPI00021327	25,188.80	27	38	VLNEECDQNWYK	K	A	1,605.71
181	GRB2 Isoform 1 of Growth factor receptor-bound protein 2	IPI00021327	25,188.80	27	38	VLNEECDQNWYK	K	A	1,605.71
182	SNAP23 Isoform SNAP-23a of Synaptosomal-associated protein 23	IPI00010438	23,336.80	27	40	ILGLAIESQDAGIK	R	T	1,435.82
183	SNAP23 Isoform SNAP-23a of Synaptosomal-associated protein 23	IPI00010438	23,336.80	27	40	ILGLAIESQDAGIK	R	T	1,435.82
184	RPL24 60S ribosomal protein L24	IPI00306332,IPI00791426,IPI00793696,IPI00873403	17,761.50	28	35	VFQFLNAK	K	C	974.5549
185	RPS13 40S ribosomal protein S13	IPI00221089	17,205.30	28	39	LTSDDVKEQIYK	K	L	1,454.77
186	ALDOA Fructose-bisphosphate aldolase A	IPI00465439,IPI00796333	39,402.60	29	42	GILAADESTGSIK	K	R	1,340.71
187	RPS19 40S ribosomal protein S19	IPI00215780	16,042.50	30	38	VPEWVDTVK	K	L	1,080.58
188	RPL12 Isoform 1 of 60S ribosomal protein L12	IPI00024933	17,801.10	32	40	IGPLGLSPK	K	K	889.5599
189	RPL12 Isoform 1 of 60S ribosomal protein L12	IPI00024933	17,801.10	32	40	IGPLGLSPK	K	K	889.5599
190	RPL12 Isoform 1 of 60S ribosomal protein L12	IPI00024933	17,801.10	32	40	IGPLGLSPK	K	K	889.5599
191	RPS10 40S ribosomal protein S10	IPI00008438	18,880.30	32	38	HPELADK	K	N	817.4295
192	RPS10 40S ribosomal protein S10	IPI00008438	18,880.30	32	38	HPELADK	K	N	817.4295
193	SLC25A5 ADP/ATP translocase 2	IPI00007188	32,878.50	32	43	VKLLLQVQHASK	R	Q	1,379.87
194	EEF2 Elongation factor 2	IPI00186290	95,322.10	33	42	STLTDLSLVCK	K	A	1,131.58
195	FSCN1 Fascin	IPI00163187,IPI00747810	54,512.30	33	41	VNASASSLK	K	K	884.4926
196	HIST1H1C Histone H1.2	IPI00217465,IPI00217466,IPI00217467	21,347.80	34	46	KASGPPVSELITK	R	A	1,342.79
197	PTGES3 Prostaglandin E synthase 3	IPI00015029,IPI00789101,IPI00789698,IPI00790462,IPI00908647	18,679.90	34	48	SKLTFSCGGSDNFK	K	H	1,676.83
198	PTGES3 Prostaglandin E synthase 3	IPI00015029,IPI00789101,IPI00789698,IPI00790462,IPI00908647	18,679.90	34	48	SKLTFSCGGSDNFK	K	H	1,676.83
199	RPS17 40S ribosomal protein S17	IPI00221093,IPI00791157	15,532.50	34	44	VCEEIAIIPSK	R	K	1,266.69
200	RPS17 40S ribosomal protein S17	IPI00221093,IPI00791157	15,532.50	34	45	VCEEIAIIPSKK	R	L	1,402.79
201	DDX5 Probable ATP-dependent RNA helicase DDX5	IPI00017617	69,131.70	34	40	FGNPGEK	K	L	756.3767
202	TCP1 T-complex protein 1 subunit alpha	IPI00290566	60,327.20	34	43	SSLGPVGLDK	K	M	980.5504
203	TCP1 T-complex protein 1 subunit alpha	IPI00290566	60,327.20	34	43	SSLGPVGLDK	K	M	980.5504
204	SLC25A5 ADP/ATP translocase 2	IPI00007188	32,878.50	34	43	LLLQVQHASK	K	Q	1,144.69
205	SLC25A5 ADP/ATP translocase 2	IPI00007188	32,878.50	34	43	LLLQVQHASK	K	Q	1,144.69
206	SLC25A5 ADP/ATP translocase 2	IPI00007188	32,878.50	34	43	LLLQVQHASK	K	Q	1,144.69
207	HIST1H1C Histone H1.2	IPI00217465,IPI00217466,IPI00217467	21,347.80	35	46	ASGPPVSELITK	K	A	1,206.68
208	HIST1H1C Histone H1.2	IPI00217465,IPI00217466,IPI00217467	21,347.80	35	46	ASGPPVSELITK	K	A	1,206.68
209	PPP2CA Serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform	IPI00008380	35,576.50	35	41	AKEILTK	K	E	818.5318
210	HIST1H2BL Histone H2B type 1-L	IPI00018534	13,934.70	35	44	KESYSVYVYK	R	V	1,281.67
211	PTGES3 Prostaglandin E synthase 3	IPI00015029,IPI00789101,IPI00789698,IPI00790462,IPI00908647	18,679.90	36	48	LTFSCGGSDNFK	K	H	1,453.69

212	PSMA7 Isoform 1 of Proteasome subunit alpha type-7	IPI00024175	27,869.10	37	48	GRDIVLVGVEKK	R	S	1,328.82
213	PPIA Peptidyl-prolyl cis-trans isomerase A	IPI00419585,IPI00887678	17,994.90	38	44	ALSTGEK	R	G	713.392
214	PPIA Peptidyl-prolyl cis-trans isomerase A	IPI00419585,IPI00887678	17,994.90	38	44	ALSTGEK	R	G	713.392
215	PPIA Peptidyl-prolyl cis-trans isomerase A	IPI00419585,IPI00887678	17,994.90	38	49	ALSTGEKGFQYK	R	G	1,273.68
216	DHFR Dihydrofolate reductase	IPI00030357,IPI00887771	21,435.30	38	47	MTTSSVEGK	R	Q	1,064.50
217	DHFR Dihydrofolate reductase	IPI00030357,IPI00887771	21,435.30	38	47	MTTSSVEGK	R	Q	1,064.50
218	CLIC1 Chloride intracellular channel protein 1	IPI00010896	26,905.30	38	49	GVTFNVTVDTK	K	R	1,289.68
219	CLIC1 Chloride intracellular channel protein 1	IPI00010896	26,905.30	38	49	GVTFNVTVDTK	K	R	1,289.68
220	RPL11 Isoform 1 of 60S ribosomal protein L11	IPI00376798	20,235.20	39	52	VLEQLTGQTPVFSK	K	A	1,554.86
221	RPL11 Isoform 1 of 60S ribosomal protein L11	IPI00376798	20,235.20	39	52	VLEQLTGQTPVFSK	K	A	1,554.86
222	RAB7A Ras-related protein Rab-7a	IPI00016342	23,472.00	39	48	ATIGADFLTK	K	E	1,044.58
223	RAB7A Ras-related protein Rab-7a	IPI00016342	23,472.00	39	48	ATIGADFLTK	K	E	1,044.58
224	AASDHPPT L-aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase	IPI00250297	35,759.10	39	47	SIQPEEKER	R	I	1,123.58
225	TFRC Transferrin receptor protein 1	IPI00022462	84,855.60	40	53	LAVDEENADNNTK	K	A	1,569.71
226	NUDC Nuclear migration protein nudC	IPI00550746	38,225.70	40	53	TDFFIGGEEGMAEK	K	L	1,554.69
227	PEBP1 Phosphatidylethanolamine-binding protein 1	IPI00219446	21,038.90	40	47	VLTPQVK	K	N	893.5547
228	RPL12 Isoform 1 of 60S ribosomal protein L12	IPI00024933	17,801.10	41	48	KVGDDIAK	K	A	861.5013
229	RPL12 Isoform 1 of 60S ribosomal protein L12	IPI00024933	17,801.10	41	48	KVGDDIAK	K	A	861.5013
230	RPL12 Isoform 1 of 60S ribosomal protein L12	IPI00024933	17,801.10	41	48	KVGDDIAK	K	A	861.5013
231	RPL12 Isoform 1 of 60S ribosomal protein L12	IPI00024933	17,801.10	41	48	KVGDDIAK	K	A	861.5013
232	(Bos taurus) similar to alpha-tubulin I isoform 1	CON_00700865,IPI00387144,IPI00792677	50,133.70	41	60	TIGGGDDSFNTFFSETGAGK	K	H	2,015.91
233	(Bos taurus) similar to alpha-tubulin I isoform 1	CON_00700865,IPI00387144,IPI00792677	50,133.70	41	60	TIGGGDDSFNTFFSETGAGK	K	H	2,015.91
234	(Bos taurus) similar to alpha-tubulin I isoform 1	CON_00700865,IPI00387144,IPI00792677	50,133.70	41	60	TIGGGDDSFNTFFSETGAGK	K	H	2,015.91
235	(Bos taurus) similar to alpha-tubulin I isoform 1	CON_00700865,IPI00387144,IPI00792677	50,133.70	41	60	TIGGGDDSFNTFFSETGAGK	K	H	2,015.91
236	(Bos taurus) similar to alpha-tubulin I isoform 1	CON_00700865,IPI00387144,IPI00792677	50,133.70	41	60	TIGGGDDSFNTFFSETGAGK	K	H	2,015.91
237	(Bos taurus) similar to alpha-tubulin I isoform 1	CON_00700865,IPI00387144,IPI00792677	50,133.70	41	60	TIGGGDDSFNTFFSETGAGK	K	H	2,015.91
238	(Bos taurus) similar to alpha-tubulin I isoform 1	CON_00700865,IPI00387144,IPI00792677	50,133.70	41	60	TIGGGDDSFNTFFSETGAGK	K	H	2,015.91
239	(Bos taurus) similar to alpha-tubulin I isoform 1	CON_00700865,IPI00387144,IPI00792677	50,133.70	41	60	TIGGGDDSFNTFFSETGAGK	K	H	2,015.91
240	(Bos taurus) similar to alpha-tubulin I isoform 1	CON_00700865,IPI00387144,IPI00792677	50,133.70	41	60	TIGGGDDSFNTFFSETGAGK	K	H	2,015.91
241	(Bos taurus) similar to alpha-tubulin I isoform 1	CON_00700865,IPI00387144,IPI00792677	50,133.70	41	60	TIGGGDDSFNTFFSETGAGK	K	H	2,015.91
242	(Bos taurus) similar to alpha-tubulin I isoform 1	CON_00700865,IPI00387144,IPI00792677	50,133.70	41	60	TIGGGDDSFNTFFSETGAGK	K	H	2,015.91
243	LRRC59 Leucine-rich repeat-containing protein 59	IPI00396321	34,913.40	41	50	ATILDLSCNK	K	L	1,142.60
244	RPS25 40S ribosomal protein S25	IPI00012750	13,725.00	42	52	DKLNNLVLFDK	R	A	1,334.77
245	PSMA1 Isoform Short of Proteasome subunit alpha type-1	IPI00016832,IPI00472442	29,538.00	42	51	THAVLVALKR	K	A	1,115.71
246	RPS25 40S ribosomal protein S25	IPI00012750	13,725.00	42	52	DKLNNLVLFDK	R	A	1,334.77
247	RPS7 40S ribosomal protein S7	IPI00013415	22,109.50	42	49	ELNITAAK	R	E	867.5026
248	RPS7 40S ribosomal protein S7	IPI00013415	22,109.50	42	49	ELNITAAK	R	E	867.5026
249	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	42	53	ELISNASDALDK	R	I	1,283.66
250	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	42	53	ELISNASDALDK	R	I	1,283.66
251	YWHAZ 14-3-3 protein zeta/delta	IPI00021263	27,727.90	42	49	NLLSVAYK	R	N	915.5389
252	YWHAQ 14-3-3 protein theta	IPI00018146	27,747.40	42	49	NLLSVAYK	R	N	915.5389
253	YWHAZ 14-3-3 protein zeta/delta	IPI00021263	27,727.90	42	49	NLLSVAYK	R	N	915.5389
254	YWHAQ 14-3-3 protein theta	IPI00018146	27,747.40	42	49	NLLSVAYK	R	N	915.5389
255	YWHAZ 14-3-3 protein zeta/delta	IPI00021263	27,727.90	42	49	NLLSVAYK	R	N	915.5389
256	YWHAQ 14-3-3 protein theta	IPI00018146	27,747.40	42	49	NLLSVAYK	R	N	915.5389
257	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	42	55	ELISNASDALDKIR	R	Y	1,552.84
258	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	42	55	ELISNASDALDKIR	R	Y	1,552.84
259	SRP14 Signal recognition particle 14 kDa protein	IPI00293434	14,552.60	43	55	KGTVEGFEPADNK	K	C	1,407.71
260	SRP14 Signal recognition particle 14 kDa protein	IPI00293434	14,552.60	43	55	KGTVEGFEPADNK	K	C	1,407.71
261	SEC22B Vesicle-trafficking protein SEC22b	IPI00006865	24,723.40	43	51	KLNEQSPTR	R	C	1,080.59

262	RPS13 40S ribosomal protein S13	IPI00221089	17,205.30	43	55	KGLTPSQIGVILR	K	D	1,389.87
263	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	43	51	KFFVGGNWK	R	M	1,098.61
264	YWHAG 14-3-3 protein gamma	IPI00220642	28,285.10	43	50	NLLSVAYK	R	N	915.5389
265	YWHAE 14-3-3 protein epsilon	IPI00000816	29,157.00	43	50	NLLSVAYK	R	N	915.5389
266	YWHAG 14-3-3 protein gamma	IPI00220642	28,285.10	43	50	NLLSVAYK	R	N	915.5389
267	YWHAE 14-3-3 protein epsilon	IPI00000816	29,157.00	43	50	NLLSVAYK	R	N	915.5389
268	HN1L Isoform 1 of Hematological and neurological expressed 1-like protein	IPI00027397,IPI00909195	20,045.60	43	59	MASNIFGPTEEPQNIPK	R	R	1,896.93
269	HN1L Isoform 1 of Hematological and neurological expressed 1-like protein	IPI00027397,IPI00909195	20,045.60	43	59	MASNIFGPTEEPQNIPK	R	R	1,896.93
270	YWHAE 14-3-3 protein epsilon	IPI00000816	29,157.00	43	56	NLLSVAYKNVIGAR	R	R	1,525.89
271	RPS25 40S ribosomal protein S25	IPI00012750	13,725.00	44	52	LNMLVLFDK	K	A	1,083.63
272	SRP14 Signal recognition particle 14 kDa protein	IPI00293434	14,552.60	44	55	GTVEGFEPADNK	K	C	1,271.60
273	YWHAB Isoform Long of 14-3-3 protein beta/alpha	IPI00216318,IPI00759832	28,065.10	44	51	NLLSVAYK	R	N	915.5389
274	YWHAB Isoform Long of 14-3-3 protein beta/alpha	IPI00216318,IPI00759832	28,065.10	44	51	NLLSVAYK	R	N	915.5389
275	FIS1 Mitochondrial fission 1 protein	IPI00007052	16,920.30	45	53	SKYNDDIRK	R	G	1,154.61
276	RPL31 60S ribosomal protein L31	IPI00026302	14,445.20	45	50	ALKEIR	R	K	737.476
277	GLUL Glutamine synthetase	IPI00010130	42,046.90	46	52	TLDSEPK	R	C	797.4132
278	GSTP1 Glutathione S-transferase P	IPI00219757	23,338.70	46	55	ASCLYQLPK	K	F	1,144.59
279	GSTP1 Glutathione S-transferase P	IPI00219757	23,338.70	46	55	ASCLYQLPK	K	F	1,144.59
280	ACTR1A Alpha-centractin	IPI00029468,IPI00908883	42,597.20	47	61	VMAGALEGDIFIGPK	R	A	1,541.81
281	ACTR1A Alpha-centractin	IPI00029468,IPI00908883	42,597.20	47	61	VMAGALEGDIFIGPK	R	A	1,541.81
282	OCIAD1 Isoform 1 of OCIA domain-containing protein 1	IPI00016405	27,608.80	47	64	SVPLAATSMITQGLISK	R	G	1,854.05
283	OCIAD1 Isoform 1 of OCIA domain-containing protein 1	IPI00016405	27,608.80	47	64	SVPLAATSMITQGLISK	R	G	1,838.05
284	OCIAD1 Isoform 1 of OCIA domain-containing protein 1	IPI00016405	27,608.80	47	64	SVPLAATSMITQGLISK	R	G	1,854.05
285	DNAJA1 DnaJ homolog subfamily A member 1	IPI00012535	44,850.60	47	59	QISQAYEVLSDAK	K	K	1,459.75
286	TUBB Tubulin beta chain	IPI00011654	49,652.60	47	58	ISVYYNEATGGK	R	Y	1,309.65
287	TUBB Tubulin beta chain	IPI00011654	49,652.60	47	58	ISVYYNEATGGK	R	Y	1,309.65
288	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	47	58	INVYYNEATGGK	R	Y	1,336.66
289	TUBB Tubulin beta chain	IPI00011654	49,652.60	47	58	ISVYYNEATGGK	R	Y	1,309.65
290	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	47	58	INVYYNEATGGK	R	Y	1,336.66
291	TUBB Tubulin beta chain	IPI00011654	49,652.60	47	58	ISVYYNEATGGK	R	Y	1,309.65
292	TUBB Tubulin beta chain	IPI00011654	49,652.60	47	58	ISVYYNEATGGK	R	Y	1,309.65
293	TUBB2B Tubulin beta-2B chain	IPI00031370	49,935.10	47	58	INVYYNEATGNK	R	Y	1,393.68
294	TUBB Tubulin beta chain	IPI00011654	49,652.60	47	58	ISVYYNEATGGK	R	Y	1,309.65
295	HIST1H2BL Histone H2B type 1-L	IPI00018534	13,934.70	48	58	QVHPDTGISSK	K	A	1,176.61
296	HIST1H2BL Histone H2B type 1-L	IPI00018534	13,934.70	48	58	QVHPDTGISSK	K	A	1,176.61
297	DNAJB6 Isoform A of DnaJ homolog subfamily B member 6	IPI00024523,IPI00098523,IPI00556073,IPI00910456	26,882.70	48	60	QVAEAYEVLSDAK	K	K	1,430.73
298	DNAJB6 Isoform A of DnaJ homolog subfamily B member 6	IPI00024523,IPI00098523,IPI00556073,IPI00910456	36,070.20	48	60	QVAEAYEVLSDAK	K	K	1,430.73
299	PEBP1 Phosphatidylethanolamine-binding protein 1	IPI00219446	21,038.90	48	62	NRPTSISWDGLDSGK	K	L	1,640.81
300	PEBP1 Phosphatidylethanolamine-binding protein 1	IPI00219446	21,038.90	48	62	NRPTSISWDGLDSGK	K	L	1,640.81
301	PTGES3 Prostaglandin E synthase 3	IPI00015029,IPI00789101,IPI00789698,IPI00790462,IPI00908647	18,679.90	49	65	HLNEIDLFHCIDPNDSK	K	H	2,074.97
302	RBMX Heterogeneous nuclear ribonucleoprotein G	IPI00304692	42,315.70	50	63	GFAFVTFESPADAK	R	D	1,494.74
303	RBMX Heterogeneous nuclear ribonucleoprotein G	IPI00304692	42,315.70	50	63	GFAFVTFESPADAK	R	D	1,494.74
304	RBMX Heterogeneous nuclear ribonucleoprotein G	IPI00304692	42,315.70	50	63	GFAFVTFESPADAK	R	D	1,494.74
305	RBMX Heterogeneous nuclear ribonucleoprotein G	IPI00304692	42,315.70	50	63	GFAFVTFESPADAK	R	D	1,494.74
306	RBMX Heterogeneous nuclear ribonucleoprotein G	IPI00304692	42,315.70	50	63	GFAFVTFESPADAK	R	D	1,494.74
307	RBMX Heterogeneous nuclear ribonucleoprotein G	IPI00304692	42,315.70	50	63	GFAFVTFESPADAK	R	D	1,494.74
308	RBMX Heterogeneous nuclear ribonucleoprotein G	IPI00304692	42,315.70	50	63	GFAFVTFESPADAK	R	D	1,494.74

309	SNRNP2 U2 small nuclear ribonucleoprotein B"	IPI00029267	25,469.50	50	57	GQAFVIFK	R	E	917.5335
310	SNRNP2 U2 small nuclear ribonucleoprotein B"	IPI00029267	25,469.50	50	57	GQAFVIFK	R	E	917.5335
311	SNRNP2 U2 small nuclear ribonucleoprotein B"	IPI00029267	25,469.50	50	57	GQAFVIFK	R	E	917.5335
312	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	50	68	EGRPSGEAFVELESEDEVK	R	L	2,115.00
313	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	50	68	EGRPSGEAFVELESEDEVK	R	L	2,115.00
314	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	50	68	EGRPSGEAFVELESEDEVK	R	L	2,115.00
315	RPS16 40S ribosomal protein S16	IPI00221092	16,427.90	51	60	LLEPVLLL GK	K	E	1,102.73
316	RPS16 40S ribosomal protein S16	IPI00221092	16,427.90	51	60	LLEPVLLL GK	K	E	1,102.73
317	ACTG1 Actin, cytoplasmic 2	IPI00021440	41,775.90	51	62	DSYVGDEA QSKR	K	G	1,362.64
318	ACTG1 Actin, cytoplasmic 2	IPI00021440	41,775.90	51	62	DSYVGDEA QSKR	K	G	1,362.64
319	CACYBP Isoform 1 of Calcyclin-binding protein	IPI00395627,IPI00552308	26,192.30	51	74	KAELLDNEKPAAVVAPITGGYTKVK	K	I	2,552.44
320	PSAT1 cDNA FLJ56437, highly similar to Phosphoserine aminotransferase	IPI00001734	45,338.10	51	61	QVWNFGPGPAK	R	L	1,121.62
321	ACTG1 Actin, cytoplasmic 2	IPI00021440	41,775.90	51	61	DSYVGDEA QSK	K	R	1,206.54
322	ACTG1 Actin, cytoplasmic 2	IPI00021440	41,775.90	51	61	DSYVGDEA QSK	K	R	1,206.54
323	MAGOHB Protein mago nashi homolog 2	IPI00059292,IPI00219306	17,258.60	51	56	EAYVHK	K	S	754.3973
324	PDZD11 Isoform 1 of PDZ domain-containing protein 11	IPI00550841,IPI00641523	16,113.50	52	63	KPPGAQLGFNIR	K	G	1,305.75
325	RPL23 60S ribosomal protein L23	IPI00010153,IPI00795408	14,847.90	52	66	LPAAGVGDMMATVK	R	K	1,499.77
326	AK2 Isoform 1 of Adenylate kinase isoenzyme 2, mitochondrial	IPI00215901,IPI00218988	26,461.00	52	62	AMVASGSELGK	R	K	1,073.54
327	RPL23 60S ribosomal protein L23	IPI00010153,IPI00795408	14,847.90	52	66	LPAAGVGDMMATVK	R	K	1,499.77
328	AK2 Isoform 1 of Adenylate kinase isoenzyme 2, mitochondrial	IPI00215901,IPI00218988	26,461.00	52	63	AMVASGSELGKK	R	L	1,209.65
329	AK2 Isoform 1 of Adenylate kinase isoenzyme 2, mitochondrial	IPI00215901,IPI00218988	26,461.00	52	63	AMVASGSELGKK	R	L	1,209.65
330	TIMM23 Mitochondrial import inner membrane translocase subunit Tim23	IPI00007309	21,926.20	52	68	YLVQDTEFILPTGANK	R	T	1,931.98
331	TIMM23 Mitochondrial import inner membrane translocase subunit Tim23	IPI00007309	21,926.20	52	68	YLVQDTEFILPTGANK	R	T	1,931.98
332	HNRNPF Heterogeneous nuclear ribonucleoprotein F	IPI00003881	45,653.80	53	68	QSGEAFVELGSEDDVK	R	M	1,717.80
333	HNRNPF Heterogeneous nuclear ribonucleoprotein F	IPI00003881	45,653.80	53	68	QSGEAFVELGSEDDVK	R	M	1,717.80
334	HNRNPF Heterogeneous nuclear ribonucleoprotein F	IPI00003881	45,653.80	53	68	QSGEAFVELGSEDDVK	R	M	1,717.80
335	SERBP1 Isoform 1 of Plasminogen activator inhibitor 1 RNA-binding protein	IPI00410693,IPI00412714,IPI00470497,IPI00470498	44,947.80	53	68	SAAQAAAQTSNAAGK	K	Q	1,468.72
336	FIS1 Mitochondrial fission 1 protein	IPI00007052	16,920.30	54	64	GIVLLELLPK	K	G	1,231.78
337	FIS1 Mitochondrial fission 1 protein	IPI00007052	16,920.30	54	64	GIVLLELLPK	K	G	1,231.78
338	PSMA5 Proteasome subunit alpha type-5	IPI00291922	26,393.30	54	66	ITSPLEMPSSIEK	R	I	1,455.75
339	HIST1H1C Histone H1.2	IPI00217465,IPI00217466,IPI00217467	21,347.80	55	64	SGVSLAALKK	R	A	989.6325
340	HIST1H1C Histone H1.2	IPI00217465,IPI00217466,IPI00217467	21,347.80	55	64	SGVSLAALKK	R	A	989.6325
341	UBB;RPS27A;UBC ubiquitin and ribosomal protein S27a precursor	IPI00179330,IPI00456429,IPI00719280,IPI00743241,IPI00743650,IPI00744274,IPI00784990,IPI00789107,IPI00789823,IPI00790633,IPI00792712,IPI00793330,IPI00793729,IPI00793810,IPI00794211,IPI00794925,IPI00795527,IPI00796007,IPI00796600,IPI00797400,IPI00798127,IPI00798155	17,947.60	55	63	TLSDYNIQK	R	E	1,089.57
342	UBB;RPS27A;UBC ubiquitin and ribosomal protein S27a precursor	IPI00179330,IPI00456429,IPI00719280,IPI00743241,IPI00743650,IPI00744274,IPI00784990,IPI00789107,IPI00789823,IPI00790633,IPI00792712,IPI00793330,IPI00793729,IPI00793810,IPI00794211,IPI00794925,IPI00795527,IPI00796007,IPI00796600,IPI00797400,IPI00798127,IPI00798155	17,947.60	55	63	TLSDYNIQK	R	E	1,089.57
343	HNRNPH3 Isoform 1 of Heterogeneous nuclear ribonucleoprotein H3	IPI00013877,IPI00216492	36,909.60	56	67	STGEAFVQFASK	R	E	1,279.64
344	HNRNPH3 Isoform 1 of Heterogeneous nuclear ribonucleoprotein H3	IPI00013877,IPI00216492	36,909.60	56	67	STGEAFVQFASK	R	E	1,279.64
345	HNRNPH3 Isoform 1 of Heterogeneous nuclear ribonucleoprotein H3	IPI00013877,IPI00216492	36,909.60	56	67	STGEAFVQFASK	R	E	1,279.64

346	HNRNPH3 Isoform 1 of Heterogeneous nuclear ribonucleoprotein H3	IPI00013877,IPI000216492	36,909.60	56	67	STGEAFVQFASK	R	E	1,279.64
347	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	56	69	YESLTDPSKLDGSK	R	E	1,555.78
348	CCT7 T-complex protein 1 subunit eta	IPI00018465	59,349.80	56	67	ATISNDGATILK	K	L	1,211.67
349	CCT7 T-complex protein 1 subunit eta	IPI00018465	59,349.80	56	67	ATISNDGATILK	K	L	1,211.67
350	CCT7 T-complex protein 1 subunit eta	IPI00018465	59,349.80	56	67	ATISNDGATILK	K	L	1,211.67
351	GNPNAT1 Glucosamine 6-phosphate N-acetyltransferase	IPI00061525	20,731.30	56	73	VLGQLTETGVVSPEQFMK	K	S	1,987.03
352	GNPNAT1 Glucosamine 6-phosphate N-acetyltransferase	IPI00061525	20,731.30	56	73	VLGQLTETGVVSPEQFMK	K	S	1,987.03
353	TCEA1 Isoform 1 of Transcription elongation factor A protein 1	IPI00333215	33,952.60	56	67	QSTDEEVTSLAK	K	S	1,315.65
354	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	56	70	KQSLGELIGTLNAAK	R	V	1,558.91
355	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	56	70	KQSLGELIGTLNAAK	R	V	1,558.91
356	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	56	70	KQSLGELIGTLNAAK	R	V	1,558.91
357	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	70,881.80	57	71	NQVAMNPTNTVFDK	K	R	1,673.80
358	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	57	71	NQVALNPQNTVFDK	K	R	1,666.86
359	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	70,881.80	57	71	NQVAMNPTNTVFDK	K	R	1,673.80
360	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	70,881.80	57	71	NQVAMNPTNTVFDK	K	R	1,673.80
361	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	70,881.80	57	71	NQVAMNPTNTVFDK	K	R	1,673.80
362	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	57	71	NQVALNPQNTVFDK	K	R	1,666.86
363	RPL18A 60S ribosomal protein L18a	IPI00026202	20,744.60	57	70	SSGEIVYCGQVFEK	K	S	1,610.76
364	RPL18A 60S ribosomal protein L18a	IPI00026202	20,744.60	57	70	SSGEIVYCGQVFEK	K	S	1,610.76
365	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	57	70	QSLGELIGTLNAAK	K	V	1,422.80
366	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	57	70	QSLGELIGTLNAAK	K	V	1,422.80
367	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	57	70	QSLGELIGTLNAAK	K	V	1,422.80
368	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	57	70	QSLGELIGTLNAAK	K	V	1,422.80
369	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	57	70	QSLGELIGTLNAAK	K	V	1,422.80
370	RNASEH2A Ribonuclease H2 subunit A	IPI00290192	33,377.00	57	64	LADLEALK	R	V	880.5231
371	PCBP1 Poly(rC)-binding protein 1	IPI00016610	37,480.20	58	70	IITLTGPTNAIFK	R	A	1,396.83
372	PCBP1 Poly(rC)-binding protein 1	IPI00016610	37,480.20	58	70	IITLTGPTNAIFK	R	A	1,396.83
373	PCBP2 Poly(rC)-binding protein 2	IPI00216689,IPI00796337	38,562.90	58	70	IITLAGPTNAIFK	R	A	1,366.82
374	PCBP1 Poly(rC)-binding protein 1	IPI00016610	37,480.20	58	70	IITLTGPTNAIFK	R	A	1,396.83
375	PCBP1 Poly(rC)-binding protein 1	IPI00016610	37,480.20	58	70	IITLTGPTNAIFK	R	A	1,396.83
376	PCBP1 Poly(rC)-binding protein 1	IPI00016610	37,480.20	58	70	IITLTGPTNAIFK	R	A	1,396.83
377	PCBP1 Poly(rC)-binding protein 1	IPI00016610	37,480.20	58	70	IITLTGPTNAIFK	R	A	1,396.83
378	PCBP2 Poly(rC)-binding protein 2	IPI00216689,IPI00796337	38,562.90	58	70	IITLAGPTNAIFK	R	A	1,366.82
379	EIF5A Isoform 2 of Eukaryotic translation initiation factor 5A-1	IPI00376005,IPI00411704	20,152.80	58	64	NGFVVLK	K	G	784.4807
380	EIF5A Isoform 2 of Eukaryotic translation initiation factor 5A-1	IPI00376005,IPI00411704	20,152.80	58	64	NGFVVLK	K	G	784.4807
381	RPS7 40S ribosomal protein S7	IPI00013415	22,109.50	58	70	KAIIFVVPVQLK	R	S	1,481.98
382	FAM32A Protein FAM32A	IPI00022402	13,160.80	59	67	TPAQAAFEK	R	M	970.5084
383	RPS7 40S ribosomal protein S7	IPI00013415	22,109.50	59	70	AIIIFVVPVQLK	K	S	1,345.87
384	RPS7 40S ribosomal protein S7	IPI00013415	22,109.50	59	70	AIIIFVVPVQLK	K	S	1,345.87
385	RPS7 40S ribosomal protein S7	IPI00013415	22,109.50	59	70	AIIIFVVPVQLK	K	S	1,345.87
386	RPS7 40S ribosomal protein S7	IPI00013415	22,109.50	59	70	AIIIFVVPVQLK	K	S	1,345.87
387	RPS7 40S ribosomal protein S7	IPI00013415	22,109.50	59	70	AIIIFVVPVQLK	K	S	1,345.87
388	ARF3 ADP-ribosylation factor 3	IPI00215917	20,583.70	60	73	NISFTVWDVGGQDK	K	I	1,573.77
389	ARF3 ADP-ribosylation factor 3	IPI00215917	20,583.70	60	73	NISFTVWDVGGQDK	K	I	1,573.77
390	FASN Fatty acid synthase	IPI00026781	273,382.00	60	70	FDASFFGVHPK	R	Q	1,259.63
391	ILF2 Interleukin enhancer-binding factor 2	IPI00005198,IPI000872107	43,044.70	61	80	NQDLAPNSAEQASILSLVTK	R	I	2,107.11

392	ILF2 Interleukin enhancer-binding factor 2	IPI00005198,IPI00872107	43,044.70	61	80	NQDLAPNSAEQASILSLVTK	R	I	2,107.11
393	YWHAZ 14-3-3 protein zeta/delta	IPI00021263	27,727.90	61	74	VVSSIEQKTEGAEK	R	K	1,520.81
394	YWHAQ 14-3-3 protein theta	IPI00018146	27,747.40	61	68	VISSIEQK	R	T	911.5288
395	YWHAQ 14-3-3 protein theta	IPI00018146	27,747.40	61	68	VISSIEQK	R	T	911.5288
396	YWHAZ 14-3-3 protein zeta/delta	IPI00021263	27,727.90	61	68	VVSSIEQK	R	T	897.5131
397	YWHAQ 14-3-3 protein theta	IPI00018146	27,747.40	61	68	VISSIEQK	R	T	911.5288
398	YWHAQ 14-3-3 protein theta	IPI00018146	27,747.40	61	68	VISSIEQK	R	T	911.5288
399	YWHAZ 14-3-3 protein zeta/delta	IPI00021263	27,727.90	61	68	VVSSIEQK	R	T	897.5131
400	YWHAQ 14-3-3 protein theta	IPI00018146	27,747.40	61	68	VISSIEQK	R	T	911.5288
401	YWHAE 14-3-3 protein epsilon	IPI00000816	29,157.00	62	69	IISSIEQK	R	E	925.5445
402	YWHAE 14-3-3 protein epsilon	IPI00000816	29,157.00	62	69	IISSIEQK	R	E	925.5445
403	YWHAE 14-3-3 protein epsilon	IPI00000816	29,157.00	62	73	IISSIEQKKEENK	R	G	1,433.78
404	YWHAG 14-3-3 protein gamma	IPI00220642	28,285.10	62	69	VISSIEQK	R	T	911.5288
405	YWHAG 14-3-3 protein gamma	IPI00220642	28,285.10	62	69	VISSIEQK	R	T	911.5288
406	YWHAH 14-3-3 protein eta	IPI00216319	28,201.60	62	69	VISSIEQK	R	T	911.5288
407	YWHAG 14-3-3 protein gamma	IPI00220642	28,285.10	62	69	VISSIEQK	R	T	911.5288
408	YWHAH 14-3-3 protein eta	IPI00216319	28,201.60	62	69	VISSIEQK	R	T	911.5288
409	YWHAG 14-3-3 protein gamma	IPI00220642	28,285.10	62	69	VISSIEQK	R	T	911.5288
410	RPS5 40S ribosomal protein S5	IPI00008433	22,859.00	63	71	KAQCPIVER	R	L	1,108.60
411	RPS5 40S ribosomal protein S5	IPI00008433	22,859.00	63	71	KAQCPIVER	R	L	1,108.60
412	PSMB2 Proteasome subunit beta type-2	IPI00028006	22,819.50	63	68	NVQLYK	K	M	772.4443
413	YWHAB Isoform Long of 14-3-3 protein beta/alpha	IPI00216318,IPI00759832	28,065.10	63	70	VISSIEQK	R	T	911.5288
414	YWHAB Isoform Long of 14-3-3 protein beta/alpha	IPI00216318,IPI00759832	28,065.10	63	70	VISSIEQK	R	T	911.5288
415	YWHAB Isoform Long of 14-3-3 protein beta/alpha	IPI00216318,IPI00759832	28,065.10	63	70	VISSIEQK	R	T	911.5288
416	YWHAB Isoform Long of 14-3-3 protein beta/alpha	IPI00216318,IPI00759832	28,065.10	63	70	VISSIEQK	R	T	911.5288
417	UBE2S Ubiquitin-conjugating enzyme E2 S	IPI00217949	23,828.40	64	76	LLLGKDFPASPPK	K	G	1,398.83
418	STIP1 Stress-induced-phosphoprotein 1	IPI00013894,IPI00871856	62,624.10	64	73	TVDLKPDWVK	K	G	1,174.64
419	RPL21;LOC729402 60S ribosomal protein L21	IPI00247583,IPI00480032,IPI00887074,IPI00888913	18,547.00	64	78	VYNVTQHAVGIVVVK	R	Q	1,648.93
420	HIST1H1C Histone H1.2	IPI00217465,IPI00217466,IPI00217467	21,347.80	65	79	ALAAAGYDVEKNSR	K	I	1,586.80
421	PCNA Proliferating cell nuclear antigen	IPI00021700	28,751.30	65	77	NLAMGVNLTSMK	R	I	1,373.70
422	PCNA Proliferating cell nuclear antigen	IPI00021700	28,751.30	65	77	NLAMGVNLTSMK	R	I	1,373.70
423	ELAVL1 cDNA FLJ60076, highly similar to ELAV-like protein 1	IPI00301936	38,979.00	65	77	SLFSSIGEVEK	R	L	1,361.70
424	HIST1H1C Histone H1.2	IPI00217465,IPI00217466,IPI00217467	21,347.80	65	75	ALAAAGYDVEK	K	N	1,115.58
425	HIST1H1C Histone H1.2	IPI00217465,IPI00217466,IPI00217467	21,347.80	65	75	ALAAAGYDVEK	K	N	1,115.58
426	RUVBL1 Isoform 1 of RuvB-like 1	IPI00021187	50,211.40	65	76	AVLLAGPPGTGK	R	T	1,088.66
427	RUVBL1 Isoform 1 of RuvB-like 1	IPI00021187	50,211.40	65	76	AVLLAGPPGTGK	R	T	1,088.66
428	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	65	71	AVEHINK	K	T	818.461
429	RUVBL1 Isoform 1 of RuvB-like 1	IPI00021187	50,211.40	65	76	AVLLAGPPGTGK	R	T	1,088.66
430	RUVBL1 Isoform 1 of RuvB-like 1	IPI00021187	50,211.40	65	76	AVLLAGPPGTGK	R	T	1,088.66
431	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	65	71	AVEHINK	K	T	818.461
432	RRM2 Ribonucleoside-diphosphate reductase M2 subunit	IPI00011118	51,076.50	66	83	VPLAPITDPQQLSPLK	R	G	1,966.15
433	RRM2 Ribonucleoside-diphosphate reductase M2 subunit	IPI00011118	51,076.50	66	83	VPLAPITDPQQLSPLK	R	G	1,966.15
434	SELS Selenoprotein S	IPI00020468,IPI00793181,IPI00916735	21,098.40	66	77	AAAAVEPDVVVK	R	R	1,176.67
435	SELS Selenoprotein S	IPI00020468,IPI00793181,IPI00916735	21,098.40	66	77	AAAAVEPDVVVK	R	R	1,176.67
436	UCHL1 Ubiquitin carboxyl-terminal hydrolase isozyme L1	IPI00018352	24,806.30	66	78	QIEELKGQEVSPK	K	V	1,500.82
437	EEF1B2 Elongation factor 1-beta	IPI00178440	24,746.20	67	73	ASLPGVK	K	K	679.4229
438	EEF1B2 Elongation factor 1-beta	IPI00178440	24,746.20	67	73	ASLPGVK	K	K	679.4229
439	EEF1B2 Elongation factor 1-beta	IPI00178440	24,746.20	67	73	ASLPGVK	K	K	679.4229
440	RPLP0 60S acidic ribosomal protein P0	IPI00008530	34,256.30	67	77	GHLENNPALEK	R	L	1,229.64
441	RPLP0 60S acidic ribosomal protein P0	IPI00008530	34,256.30	67	77	GHLENNPALEK	R	L	1,229.64

442	DRG1 Developmentally-regulated GTP-binding protein 1	IPI00031836	40,525.80	67	77	IGFVGFPSVGK	R	S	1,115.63
443	PDZD11 Isoform 1 of PDZ domain-containing protein 11	IPI00550841,IPI00641523	16,113.50	67	76	ASQLGIFISK	K	V	1,071.63
444	RPL12 Isoform 1 of 60S ribosomal protein L12	IPI00024933	17,801.10	68	83	QAQIEVVPASALIHK	R	A	1,674.99
445	RPL12 Isoform 1 of 60S ribosomal protein L12	IPI00024933	17,801.10	68	83	QAQIEVVPASALIHK	R	A	1,674.99
446	RPL12 Isoform 1 of 60S ribosomal protein L12	IPI00024933	17,801.10	68	83	QAQIEVVPASALIHK	R	A	1,674.99
447	RPL12 Isoform 1 of 60S ribosomal protein L12	IPI00024933	17,801.10	68	83	QAQIEVVPASALIHK	R	A	1,674.99
448	PABPC1 Isoform 1 of Polyadenylate-binding protein 1	IPI00008524	70,653.30	68	78	ALDTMNFVVIK	R	G	1,290.65
449	PABPC1 Isoform 1 of Polyadenylate-binding protein 1	IPI00008524	70,653.30	68	78	ALDTMNFVVIK	R	G	1,274.65
450	PABPC1 Isoform 1 of Polyadenylate-binding protein 1	IPI00008524	70,653.30	68	78	ALDTMNFVVIK	R	G	1,290.65
451	PABPC1 Isoform 1 of Polyadenylate-binding protein 1	IPI00008524	70,653.30	68	78	ALDTMNFVVIK	R	G	1,290.65
452	CCT7 T-complex protein 1 subunit eta	IPI00018465	59,349.80	68	77	LLDVVHPPAK	K	T	1,070.64
453	CCT7 T-complex protein 1 subunit eta	IPI00018465	59,349.80	68	77	LLDVVHPPAK	K	T	1,070.64
454	CCT7 T-complex protein 1 subunit eta	IPI00018465	59,349.80	68	77	LLDVVHPPAK	K	T	1,070.64
455	CCT7 T-complex protein 1 subunit eta	IPI00018465	59,349.80	68	77	LLDVVHPPAK	K	T	1,070.64
456	FSCN1 Fascin	IPI00163187,IPI00747810	54,512.30	69	82	YLAADKDGNTVTCER	R	E	1,619.76
457	RPS24 Isoform 1 of 40S ribosomal protein S24	IPI00029750,IPI00847986,IPI00903204,IPI00915363,IPI00915463	15,405.80	69	83	TTGFGMIYDSLIDYAK	K	K	1,705.79
458	GNB2 Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-2	IPI00003348	37,313.80	69	78	LLVSASQDQK	R	L	1,025.57
459	GNB2 Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-2	IPI00003348	37,313.80	69	78	LLVSASQDQK	R	L	1,025.57
460	QKI Isoform 6 of Protein quaking	IPI00385562,IPI00410032,IPI00410118,IPI00514277,IPI00736672,IPI00749287,IPI00759501,IPI00759828	35,961.00	69	85	SAELPDAVGPVQLQEK	R	L	1,801.98
461	HIST1H4H;HIST2H4A;HIST4H4;HIST1H4F;HIST1H4D;HIST1H4K;HIST1H4C;HIST1H4J;HIST1H4A;HIST1H4I;HIST1H4B;HIST2H4B;HIST1H4E;HIST1H4L Histone H4	IPI00453473	11,349.70	69	78	DAVTYTEHAK	R	R	1,142.56
462	SNRPD3 Small nuclear ribonucleoprotein Sm D3	IPI00017964,IPI00878876,IPI00879750	13,898.60	70	78	FLILPDMLK	R	N	1,097.65
463	RPL22 60S ribosomal protein L22	IPI00219153,IPI00878392	14,769.30	70	80	ITVTVSEVPFSK	K	R	1,215.67
464	RPL22 60S ribosomal protein L22	IPI00219153,IPI00878392	14,769.30	70	81	ITVTVSEVPFSKR	K	Y	1,371.77
465	RPL22 60S ribosomal protein L22	IPI00219153,IPI00878392	14,769.30	70	81	ITVTVSEVPFSKR	K	Y	1,371.77
466	PSMC4 Isoform 1 of 26S protease regulatory subunit 6B	IPI00020042,IPI00738042	47,349.70	71	81	EFLHAQEEVKR	K	I	1,393.73
467	PSMC4 Isoform 1 of 26S protease regulatory subunit 6B	IPI00020042,IPI00738042	47,349.70	71	81	EFLHAQEEVKR	K	I	1,393.73
468	RPL9 60S ribosomal protein L9	IPI00031691,IPI00795717	21,845.70	72	82	TICSHVQNMIIK	R	G	1,354.67
469	LRRRC59 Leucine-rich repeat-containing protein 59	IPI00396321	34,913.40	72	83	NKLQQLPADFGR	K	L	1,394.76
470	GDI2 cDNA FLJ60299, highly similar to Rab GDP dissociation inhibitor beta	IPI00031461	51,138.50	73	83	GRDWNVDLIPK	R	F	1,320.72
471	GDI2 cDNA FLJ60299, highly similar to Rab GDP dissociation inhibitor beta	IPI00031461	51,138.50	73	83	GRDWNVDLIPK	R	F	1,320.72
472	AK2 Isoform 1 of Adenylate kinase isoenzyme 2, mitochondrial	IPI00215901,IPI00218988	26,461.00	73	85	LVSDMMVVELIEK	K	N	1,511.81
473	AK2 Isoform 1 of Adenylate kinase isoenzyme 2, mitochondrial	IPI00215901,IPI00218988	26,461.00	73	85	LVSDMMVVELIEK	K	N	1,527.81
474	AK2 Isoform 1 of Adenylate kinase isoenzyme 2, mitochondrial	IPI00215901,IPI00218988	26,461.00	73	85	LVSDMMVVELIEK	K	N	1,527.81
475	AK2 Isoform 1 of Adenylate kinase isoenzyme 2, mitochondrial	IPI00215901,IPI00218988	26,461.00	73	85	LVSDMMVVELIEK	K	N	1,527.81
476	NPM1 Isoform 1 of Nucleophosmin	IPI00549248	32,557.40	74	80	VTLATLK	K	M	753.4961
477	NPM1 Isoform 1 of Nucleophosmin	IPI00549248	32,557.40	74	80	VTLATLK	K	M	753.4961
478	RPL23 60S ribosomal protein L23	IPI00010153,IPI00795408	14,847.90	74	83	KKVHPAVVIR	R	Q	1,162.78
479	RPL23 60S ribosomal protein L23	IPI00010153,IPI00795408	14,847.90	74	83	KKVHPAVVIR	R	Q	1,162.78
480	HRAS GTPase HRas	IPI00000006	21,280.10	74	88	TGEGFLCVFAINNTK	R	S	1,678.84
481	HRAS GTPase HRas	IPI00000006	21,280.10	74	88	TGEGFLCVFAINNTK	R	S	1,678.84
482	HIST2H3A;HIST2H3D;HIST2H3C Histone H3.2	IPI00171611,IPI00216402,IPI00465070	15,370.70	74	80	EIAQDFK	R	T	858.4448

483	SNRNP Isoform SM-B' of Small nuclear ribonucleoprotein-associated proteins B and B'	IPI00027285,IPI00220360,IPI00329512,IPI00395674,IPI00785142,IPI00844420,IPI00877103	24,592.60	74	94	GENLVSMTEGPPPKDTGIAR	R	V	2,176.12
484	EIF2B1 Translation initiation factor eIF-2B subunit alpha	IPI00221300	33,695.20	75	88	FISLASLEYSYDYSK	R	C	1,630.81
485	EIF2B1 Translation initiation factor eIF-2B subunit alpha	IPI00221300	33,695.20	75	88	FISLASLEYSYDYSK	R	C	1,630.81
486	YWHAQ 14-3-3 protein theta	IPI00018146	27,747.40	75	80	KLQLIK	K	D	758.5471
487	RPL23 60S ribosomal protein L23	IPI00010153,IPI00795408	14,847.90	75	83	KVHPAVVIR	K	Q	1,026.67
488	UCHL3 Ubiquitin carboxyl-terminal hydrolase isozyme L3	IPI00011250	26,164.80	75	88	SQGQDVTSSVYFMK	K	Q	1,600.74
489	RPL23 60S ribosomal protein L23	IPI00010153,IPI00795408	14,847.90	75	83	KVHPAVVIR	K	Q	1,026.67
490	ANP32A Acidic leucine-rich nuclear phosphoprotein 32 family member A	IPI00025849	28,568.10	76	86	VSGGLEVLAEK	R	C	1,109.63
491	ANP32A Acidic leucine-rich nuclear phosphoprotein 32 family member A	IPI00025849	28,568.10	76	86	VSGGLEVLAEK	R	C	1,109.63
492	ANP32A Acidic leucine-rich nuclear phosphoprotein 32 family member A	IPI00025849	28,568.10	76	86	VSGGLEVLAEK	R	C	1,109.63
493	SFRS3 Splicing factor, arginine/serine-rich 3	IPI00010204,IPI00843996	19,312.00	76	86	VRVELSNGEKR	R	S	1,294.73
494	SFRS3 Splicing factor, arginine/serine-rich 3	IPI00010204,IPI00843996	19,312.00	76	86	VRVELSNGEKR	R	S	1,294.73
495	PPIA Peptidyl-prolyl cis-trans isomerase A	IPI00419585,IPI00887678	17,994.90	77	91	SIYGEKFEDEFILK	K	H	1,847.94
496	PPIA Peptidyl-prolyl cis-trans isomerase A	IPI00419585,IPI00887678	17,994.90	77	91	SIYGEKFEDEFILK	K	H	1,847.94
497	PPIA Peptidyl-prolyl cis-trans isomerase A	IPI00419585,IPI00887678	17,994.90	77	91	SIYGEKFEDEFILK	K	H	1,847.94
498	HNRNPA2B1 43 kDa protein	IPI00874030	43,234.30	77	82	EKEQFR	R	K	844.4403
499	RUVBL1 Isoform 1 of RuvB-like 1	IPI00021187	50,211.40	77	90	TALALAIQELGSK	K	V	1,393.81
500	RUVBL1 Isoform 1 of RuvB-like 1	IPI00021187	50,211.40	77	90	TALALAIQELGSK	K	V	1,393.81
501	RUVBL1 Isoform 1 of RuvB-like 1	IPI00021187	50,211.40	77	90	TALALAIQELGSK	K	V	1,393.81
502	RUVBL1 Isoform 1 of RuvB-like 1	IPI00021187	50,211.40	77	90	TALALAIQELGSK	K	V	1,393.81
503	RUVBL1 Isoform 1 of RuvB-like 1	IPI00021187	50,211.40	77	90	TALALAIQELGSK	K	V	1,393.81
504	RUVBL1 Isoform 1 of RuvB-like 1	IPI00021187	50,211.40	77	90	TALALAIQELGSK	K	V	1,393.81
505	RUVBL1 Isoform 1 of RuvB-like 1	IPI00021187	50,211.40	77	90	TALALAIQELGSK	K	V	1,393.81
506	SFRS3 Splicing factor, arginine/serine-rich 3	IPI00010204,IPI00843996	19,312.00	78	86	VELSNGEKR	R	S	1,039.56
507	NAPA Alpha-soluble NSF attachment protein	IPI00009253	33,216.10	79	93	HDAATCFVDAGNAFK	K	K	1,631.74
508	PTGES3 Prostaglandin E synthase 3	IPI00015029,IPI00789101,IPI00789698,IPI00790462,IPI00908647	18,679.90	79	88	KGESGQSWPR	R	L	1,139.57
509	PTGES3 Prostaglandin E synthase 3	IPI00015029,IPI00789101,IPI00789698,IPI00790462,IPI00908647	18,679.90	79	88	KGESGQSWPR	R	L	1,139.57
510	FAR1 cDNA: FLJ22728 fis, clone HSI15617 (Fragment)	IPI00386139,IPI00478838	38,361.30	79	90	IIAINSELTQPK	K	L	1,334.78
511	GNB2 Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-2	IPI00003348	37,313.80	79	89	LIIWDSYTTNK	K	V	1,361.72
512	TIAL1 Nucleolysin TIAR	IPI00005615,IPI00644708,IPI00647436	41,571.90	80	90	VNWATTPSSQK	K	K	1,226.63
513	RAB7A Ras-related protein Rab-7a	IPI00016342	23,472.00	80	97	GADCCVLVFDVTAPNTFK	R	T	2,021.96
514	RAB7A Ras-related protein Rab-7a	IPI00016342	23,472.00	80	97	GADCCVLVFDVTAPNTFK	R	T	2,021.96
515	SLC25A5 ADP/ATP translocase 2	IPI00007188	32,878.50	81	92	YFPTQALNFAFK	R	D	1,454.76
516	CHMP2A Charged multivesicular body protein 2a	IPI00004416	25,087.00	81	89	ANIQAVSLK	R	I	951.5713
517	CHMP2A Charged multivesicular body protein 2a	IPI00004416	25,087.00	81	89	ANIQAVSLK	R	I	951.5713
518	RPL24 60S ribosomal protein L24	IPI00306332,IPI00791426,IPI00793696,IPI00873403	17,761.50	81	93	AITGASLADIMAK	R	R	1,269.70
519	TRAPPC5 Trafficking protein particle complex subunit 5	IPI00177509	20,765.40	82	90	VLGALLFVK	K	G	967.6431
520	TRAPPC5 Trafficking protein particle complex subunit 5	IPI00177509	20,765.40	82	90	VLGALLFVK	K	G	967.6431
521	TRAPPC5 Trafficking protein particle complex subunit 5	IPI00177509	20,765.40	82	90	VLGALLFVK	K	G	967.6431
522	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	82	87	YVEVFK	R	S	792.4381
523	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	83	95	TLTLVDTGIGMTK	R	A	1,373.74
524	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	83	95	TLTLVDTGIGMTK	R	A	1,373.74
525	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	83	95	TLTLVDTGIGMTK	R	A	1,373.74
526	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	83	95	TLTLVDTGIGMTK	R	A	1,373.74
527	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	83	95	TLTLVDTGIGMTK	R	A	1,357.75

528	PPIA Peptidyl-prolyl cis-trans isomerase A	IPI00419585,IPI00887678	17,994.90	83	91	FEDENFILK	K	H	1,162.59
529	RAB11B Ras-related protein Rab-11B	IPI00020436,IPI00429190,IPI00795676	24,471.00	83	95	GAVGALLVYDIAK	R	H	1,297.76
530	PPIA Peptidyl-prolyl cis-trans isomerase A	IPI00419585,IPI00887678	17,994.90	83	91	FEDENFILK	K	H	1,162.59
531	RAB11B Ras-related protein Rab-11B	IPI00020436,IPI00429190,IPI00795676	24,471.00	83	95	GAVGALLVYDIAK	R	H	1,297.76
532	HNRNPA2B1 43 kDa protein	IPI00874030	43,234.30	83	99	KLFIGGLSFETTEESLR	R	N	1,935.03
533	TOP2A DNA topoisomerase 2 (Fragment)	IPI00178667,IPI00218753,IPI00414101,IPI00478232,IPI00879004	182,965.00	83	95	IFDEILVNAADNK	K	Q	1,469.77
534	TOP2A DNA topoisomerase 2 (Fragment)	IPI00178667,IPI00218753,IPI00414101,IPI00478232,IPI00879004	182,965.00	83	95	IFDEILVNAADNK	K	Q	1,469.77
535	TOP2A DNA topoisomerase 2 (Fragment)	IPI00178667,IPI00218753,IPI00414101,IPI00478232,IPI00879004	182,965.00	83	95	IFDEILVNAADNK	K	Q	1,469.77
536	CGGBP1 CGG triplet repeat-binding protein 1	IPI00295585	18,802.20	83	100	QRPLTASLQCNSTAQTEK	K	V	2,041.02
537	YWHAZ 14-3-3 protein zeta/delta	IPI00021263	27,727.90	84	91	EKIETELR	R	D	1,025.57
538	YWHAQ 14-3-3 protein theta	IPI00018146	27,747.40	84	91	EKVESELR	R	S	997.5404
539	(Bos taurus) similar to alpha-tubulin I isoform 1	CON_00700865,IPI00387144,IPI00792677	50,133.70	85	96	QLFHPEQLITGK	R	E	1,418.79
540	(Bos taurus) similar to alpha-tubulin I isoform 1	CON_00700865,IPI00387144,IPI00792677	50,133.70	85	96	QLFHPEQLITGK	R	E	1,418.79
541	(Bos taurus) similar to alpha-tubulin I isoform 1	CON_00700865,IPI00387144,IPI00792677	50,133.70	85	96	QLFHPEQLITGK	R	E	1,418.79
542	(Bos taurus) similar to alpha-tubulin I isoform 1	CON_00700865,IPI00387144,IPI00792677	50,133.70	85	96	QLFHPEQLITGK	R	E	1,418.79
543	(Bos taurus) similar to alpha-tubulin I isoform 1	CON_00700865,IPI00387144,IPI00792677	50,133.70	85	105	QLFHPEQLITGKEDAANNYAR	R	G	2,423.22
544	(Bos taurus) similar to alpha-tubulin I isoform 1	CON_00700865,IPI00387144,IPI00792677	50,133.70	85	105	QLFHPEQLITGKEDAANNYAR	R	G	2,423.22
545	(Bos taurus) similar to alpha-tubulin I isoform 1	CON_00700865,IPI00387144,IPI00792677	50,133.70	85	105	QLFHPEQLITGKEDAANNYAR	R	G	2,423.22
546	(Bos taurus) similar to alpha-tubulin I isoform 1	CON_00700865,IPI00387144,IPI00792677	50,133.70	85	105	QLFHPEQLITGKEDAANNYAR	R	G	2,423.22
547	(Bos taurus) similar to alpha-tubulin I isoform 1	CON_00700865,IPI00387144,IPI00792677	50,133.70	85	105	QLFHPEQLITGKEDAANNYAR	R	G	2,423.22
548	PTBP1 Isoform 1 of Polypyrimidine tract-binding protein 1	IPI00179964,IPI00183626,IPI00334175	57,204.50	85	92	VTNLLMLK	K	G	955.5738
549	(Bos taurus) similar to alpha-tubulin I isoform 1	CON_00700865,IPI00387144,IPI00792677	50,133.70	85	105	QLFHPEQLITGKEDAANNYAR	R	G	2,423.22
550	(Bos taurus) similar to alpha-tubulin I isoform 1	CON_00700865,IPI00387144,IPI00792677	50,133.70	85	105	QLFHPEQLITGKEDAANNYAR	R	G	2,423.22
551	(Bos taurus) similar to alpha-tubulin I isoform 1	CON_00700865,IPI00387144,IPI00792677	50,133.70	85	105	QLFHPEQLITGKEDAANNYAR	R	G	2,423.22
552	PTBP1 Isoform 1 of Polypyrimidine tract-binding protein 1	IPI00179964,IPI00183626,IPI00334175	57,204.50	85	92	VTNLLMLK	K	G	955.5738
553	RPS12 40S ribosomal protein S12	IPI00013917,IPI00847579	14,507.70	85	93	LGEWVGLCK	K	I	1,069.56
554	RPS12 40S ribosomal protein S12	IPI00013917,IPI00847579	14,507.70	85	93	LGEWVGLCK	K	I	1,069.56
555	PRDX6 Peroxiredoxin-6	IPI00220301	25,018.10	85	97	DINAYNCEEPTK	K	L	1,590.68
556	PRDX6 Peroxiredoxin-6	IPI00220301	25,018.10	85	97	DINAYNCEEPTK	K	L	1,590.68
557	TARS Threonyl-tRNA synthetase, cytoplasmic	IPI00329633,IPI00908949	83,419.80	85	91	VTLPDGK	K	Q	737.4285
558	RPL27 60S ribosomal protein L27	IPI00219155	15,780.40	85	93	YSVDIPLDK	R	T	1,057.57
559	RPL27 60S ribosomal protein L27	IPI00219155	15,780.40	85	93	YSVDIPLDK	R	T	1,057.57
560	RPS25 40S ribosomal protein S25	IPI00012750	13,725.00	86	94	AALQELLSK	R	G	980.5867
561	RPS25 40S ribosomal protein S25	IPI00012750	13,725.00	86	94	AALQELLSK	R	G	980.5867
562	RPA2 Isoform 1 of Replication protein A 32 kDa subunit	IPI00013939,IPI00646500,IPI00646957,IPI00647667	29,228.70	86	93	APTNIYYK	K	I	913.5233
563	EIF5A Isoform 2 of Eukaryotic translation initiation factor 5A-1	IPI00376005,IPI00411704	20,152.80	86	97	VHLVGIDIFTGK	K	K	1,306.76
564	EIF5A Isoform 2 of Eukaryotic translation initiation factor 5A-1	IPI00376005,IPI00411704	20,152.80	86	97	VHLVGIDIFTGK	K	K	1,306.76
565	SNRNPB2 U2 small nuclear ribonucleoprotein B"	IPI00029267	25,469.50	86	93	TDSDIISK	K	M	886.4609
566	SNRNPB2 U2 small nuclear ribonucleoprotein B"	IPI00029267	25,469.50	86	93	TDSDIISK	K	M	886.4609
567	BTF3 Isoform 1 of Transcription factor BTF3	IPI00221035	22,150.30	87	94	KLQFSLKK	K	L	1,015.67
568	YWHAE 14-3-3 protein epsilon	IPI00000816	29,157.00	87	94	QMVETELK	R	L	1,001.51
569	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	88	98	SNNVEMDWVLK	K	H	1,358.65
570	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	88	98	SNNVEMDWVLK	K	H	1,342.66

571	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	88	98	SNNVEMDWVLK	K	H	1,342.66
572	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	88	98	SNNVEMDWVLK	K	H	1,342.66
573	PIN4 protein (peptidyl-prolyl cis/trans isomerase) NIMA-interacting, 4	IPI00006658	16,590.50	89	100	FNEVAAQYSEDK	R	A	1,408.65
574	PIN4 protein (peptidyl-prolyl cis/trans isomerase) NIMA-interacting, 4	IPI00006658	16,590.50	89	100	FNEVAAQYSEDK	R	A	1,408.65
575	MAT2A S-adenosylmethionine synthetase isoform type-2	IPI00010157	43,642.80	89	97	HIGYDDSSK	K	G	1,029.47
576	PIN4 protein (peptidyl-prolyl cis/trans isomerase) NIMA-interacting, 4	IPI00006658	16,590.50	89	102	FNEVAAQYSEDKAR	R	Q	1,635.79
577	HMGB1 High mobility group protein B1	IPI00419258	24,876.70	89	96	FKDPNAPK	K	R	932.5172
578	HMGB1 High mobility group protein B1	IPI00419258	24,876.70	89	96	FKDPNAPK	K	R	932.5172
579	HMGB1 High mobility group protein B1	IPI00419258	24,876.70	89	96	FKDPNAPK	K	R	932.5172
580	EIF1AY Eukaryotic translation initiation factor 1A, Y-chromosomal	IPI00023004,IPI00232533,IPI00642387,IPI00647118	16,425.30	89	94	ADVILK	K	Y	666.4277
581	EIF1AY Eukaryotic translation initiation factor 1A, Y-chromosomal	IPI00023004,IPI00232533,IPI00642387,IPI00647118	16,425.30	89	94	ADVILK	K	Y	666.4277
582	HIST1H2AC Histone H2A type 1-C	IPI00216456	14,088.00	90	96	NDEELNK	R	L	869.4091
583	CDC123 Cell division cycle protein 123 homolog	IPI00005670,IPI00514175	39,118.10	90	104	VQEAINSLGGSVFPK	K	L	1,553.84
584	CDC123 Cell division cycle protein 123 homolog	IPI00005670,IPI00514175	39,118.10	90	104	VQEAINSLGGSVFPK	K	L	1,553.84
585	HIST1H2AC Histone H2A type 1-C	IPI00216456	14,088.00	90	100	NDEELNKLLGR	R	V	1,308.70
586	YWHAZ 14-3-3 protein zeta/delta	IPI00021263	27,727.90	92	103	DICNDVLSLLEK	R	F	1,426.73
587	YWHAZ 14-3-3 protein zeta/delta	IPI00021263	27,727.90	92	103	DICNDVLSLLEK	R	F	1,426.73
588	PPIA Peptidyl-prolyl cis-trans isomerase A	IPI00419585,IPI00887678	17,994.90	92	118	HTGPGILSMANAGPNTNGSQ	K	T	2,815.34
589	PPIA Peptidyl-prolyl cis-trans isomerase A	IPI00419585,IPI00887678	17,994.90	92	118	FFICTAK HTGPGILSMANAGPNTNGSQ	K	T	2,815.34
590	PFN1 Profilin-1	IPI00216691	15,036.30	92	105	STGGAPTFNVTVTK	K	T	1,387.73
591	PCNA Proliferating cell nuclear antigen	IPI00021700	28,751.30	92	110	AEDNADTLALVFEAPNQEK	R	V	2,083.01
592	PCNA Proliferating cell nuclear antigen	IPI00021700	28,751.30	92	110	AEDNADTLALVFEAPNQEK	R	V	2,083.01
593	PCNA Proliferating cell nuclear antigen	IPI00021700	28,751.30	92	110	AEDNADTLALVFEAPNQEK	R	V	2,083.01
594	YWHAQ 14-3-3 protein theta	IPI00018146	27,747.40	92	103	SICTTVLELLDK	R	Y	1,399.76
595	HNRNPAB Isoform 2 of Heterogeneous nuclear ribonucleoprotein A/B	IPI00334587,IPI00334713,IPI00742926	35,949.90	93	102	FGEVVDCTIK	K	M	1,175.59
596	PEBP1 Phosphatidylethanolamine-binding protein 1	IPI00219446	21,038.90	94	113	GNDISSGTVLSDYVGSPPK	K	G	1,957.96
597	PEBP1 Phosphatidylethanolamine-binding protein 1	IPI00219446	21,038.90	94	113	GNDISSGTVLSDYVGSPPK	K	G	1,957.96
598	YWHAE 14-3-3 protein epsilon	IPI00000816	29,157.00	95	106	LICCDILDVLDK	K	H	1,484.76
599	YWHAE 14-3-3 protein epsilon	IPI00000816	29,157.00	95	106	LICCDILDVLDK	K	H	1,484.76
600	YWHAE 14-3-3 protein epsilon	IPI00000816	29,157.00	95	106	LICCDILDVLDK	K	H	1,484.76
601	YWHAE 14-3-3 protein epsilon	IPI00000816	29,157.00	95	106	LICCDILDVLDK	K	H	1,484.76
602	YWHAE 14-3-3 protein epsilon	IPI00000816	29,157.00	95	106	LICCDILDVLDK	K	H	1,484.76
603	ACTG1 Actin, cytoplasmic 2	IPI00021440	41,775.90	96	113	VAPEEHPVLLTEAPLNPK	R	A	1,962.08
604	ACTG1 Actin, cytoplasmic 2	IPI00021440	41,775.90	96	113	VAPEEHPVLLTEAPLNPK	R	A	1,962.08
605	ACTG1 Actin, cytoplasmic 2	IPI00021440	41,775.90	96	113	VAPEEHPVLLTEAPLNPK	R	A	1,962.08
606	ACTG1 Actin, cytoplasmic 2	IPI00021440	41,775.90	96	113	VAPEEHPVLLTEAPLNPK	R	A	1,962.08
607	FIS1 Mitochondrial fission 1 protein	IPI00007052	16,920.30	96	108	GLLQTEPQNNQAK	R	E	1,448.76
608	SRM Spermidine synthase	IPI00292020	33,806.50	96	109	KVLIIGGGDGGVLR	R	E	1,361.84
609	FIS1 Mitochondrial fission 1 protein	IPI00007052	16,920.30	96	108	GLLQTEPQNNQAK	R	E	1,448.76
610	SRM Spermidine synthase	IPI00292020	33,806.50	96	109	KVLIIGGGDGGVLR	R	E	1,361.84
611	CLIC1 Chloride intracellular channel protein 1	IPI00010896	26,905.30	96	113	LAALNPESNTAGLDIFAK	K	F	1,852.99
612	EEF1D Elongation factor 1-delta	IPI00023048	31,103.90	96	107	GVVQELQQAISK	R	L	1,307.74
613	PABPC1 Isoform 1 of Polyadenylate-binding protein 1	IPI00008524	70,653.30	96	104	SGVGNIFIK	K	N	942.5499
614	PABPC1 Isoform 1 of Polyadenylate-binding protein 1	IPI00008524	70,653.30	96	104	SGVGNIFIK	K	N	942.5499

615	PABPC1 Isoform 1 of Polyadenylate-binding protein 1	IPI00008524	70,653.30	96	104	SGVGNIFIK	K	N	942.5499
616	PABPC1 Isoform 1 of Polyadenylate-binding protein 1	IPI00008524	70,653.30	96	104	SGVGNIFIK	K	N	942.5499
617	PABPC1 Isoform 1 of Polyadenylate-binding protein 1	IPI00008524	70,653.30	96	104	SGVGNIFIK	K	N	942.5499
618	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	96	107	ADLINNLGTIAK	K	S	1,250.72
619	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	96	107	ADLINNLGTIAK	K	S	1,250.72
620	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	96	107	ADLINNLGTIAK	K	S	1,250.72
621	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	96	107	ADLINNLGTIAK	K	S	1,250.72
622	NUDC Nuclear migration protein nudC	IPI00550746	38,225.70	97	105	SETSGPQIK	K	E	954.4983
623	NUDC Nuclear migration protein nudC	IPI00550746	38,225.70	97	105	SETSGPQIK	K	E	954.4983
624	RPL17;LOC100133931 60S ribosomal protein L17	IPI00413324	21,379.40	97	105	NAESNAELK	K	G	983.4883
625	SPCS3 Signal peptidase complex subunit 3	IPI00300299	20,296.20	97	108	NNALNQVVLWDK	K	I	1,421.76
626	HMGB1 High mobility group protein B1	IPI00419258	24,876.70	97	112	RPPSAFFLFCSEYRPK	K	I	2,010.01
627	SLC25A5 ADP/ATP translocase 2	IPI00007188	32,878.50	97	106	QIFLGGVDKR	K	T	1,140.66
628	SLC25A5 ADP/ATP translocase 2	IPI00007188	32,878.50	97	106	QIFLGGVDKR	K	T	1,140.66
629	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	97	106	IAVAAQNCCYK	K	V	1,145.59
630	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	97	106	IAVAAQNCCYK	K	V	1,145.59
631	RPL7 60S ribosomal protein L7	IPI00030179,IPI00472171,IPI00871827,IPI00872387	29,209.70	97	104	GINGVSPK	R	V	779.4502
632	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	97	106	IAVAAQNCCYK	K	V	1,145.59
633	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	97	106	IAVAAQNCCYK	K	V	1,145.59
634	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	97	106	IAVAAQNCCYK	K	V	1,145.59
635	BASP1 Brain acid soluble protein 1	IPI00299024	22,675.30	98	121	AEPKKAPEQEQAAPGPAAGG EAPK	K	A	2,314.16
636	HIST1H1C Histone H1.2	IPI00217465,IPI00217466,IPI00217467	21,347.80	98	106	GTGASGSFK	K	L	819.4087
637	RPS7 40S ribosomal protein S7	IPI00013415	22,109.50	99	106	RILPKPTR	R	K	988.6507
638	NONO Non-POU domain-containing octamer-binding protein	IPI00304596	54,213.60	100	107	AGEVFIHK	K	D	908.508
639	NONO Non-POU domain-containing octamer-binding protein	IPI00304596	54,213.60	100	107	AGEVFIHK	K	D	908.508
640	HNRNPA0 Heterogeneous nuclear ribonucleoprotein A0	IPI00011913	30,822.50	100	106	LFVGGGLK	K	G	741.475
641	ANP32A Acidic leucine-rich nuclear phosphoprotein 32 family member A	IPI00025849	28,568.10	100	110	IKDLSTIEPLK	K	K	1,272.77
642	HNRNPA2B1 43 kDa protein	IPI00874030	43,234.30	100	107	NYEQWGK	R	L	1,095.50
643	HNRNPA2B1 43 kDa protein	IPI00874030	43,234.30	100	107	NYEQWGK	R	L	1,095.50
644	RPS7 40S ribosomal protein S7	IPI00013415	22,109.50	100	107	ILPKPTRK	R	S	960.6446
645	HIST1H2BL Histone H2B type 1-L	IPI00018534	13,934.70	101	109	LLPGELAK	R	H	961.6174
646	HIST1H2BL Histone H2B type 1-L	IPI00018534	13,934.70	101	109	LLPGELAK	R	H	961.6174
647	HIST1H2BL Histone H2B type 1-L	IPI00018534	13,934.70	101	109	LLPGELAK	R	H	961.6174
648	HIST1H2AC Histone H2A type 1-C	IPI00216456	14,088.00	101	119	VIAQGGVLPNIQAVLLPK	R	K	1,939.18
649	HIST1H2AC Histone H2A type 1-C	IPI00216456	14,088.00	101	119	VIAQGGVLPNIQAVLLPK	R	K	1,939.18
650	HIST1H2AC Histone H2A type 1-C	IPI00216456	14,088.00	101	119	VIAQGGVLPNIQAVLLPK	R	K	1,939.18
651	HIST1H2AC Histone H2A type 1-C	IPI00216456	14,088.00	101	119	VIAQGGVLPNIQAVLLPK	R	K	1,939.18
652	SNAP23 Isoform SNAP-23a of Synaptosomal-associated protein 23	IPI00010438	23,336.80	101	117	TTWGDGGENSPCNVSK	K	Q	1,815.81
653	TRAPPC5 Trafficking protein particle complex subunit 5	IPI00177509	20,765.40	101	113	EADKLEQANDDAR	K	T	1,482.69
654	GRB2 Isoform 1 of Growth factor receptor-bound protein 2	IPI00021327	25,188.80	101	109	FGNDVQHFK	K	V	1,099.54
655	GRB2 Isoform 1 of Growth factor receptor-bound protein 2	IPI00021327	25,188.80	101	109	FGNDVQHFK	K	V	1,099.54
656	SUB1 Activated RNA polymerase II transcriptional coactivator p15	IPI00221222	14,377.90	102	114	GISLNPEQWSQLK	K	E	1,507.80
657	PCBP1 Poly(rC)-binding protein 1	IPI00016610	37,480.20	102	115	LVPATQCGSLIGK	R	G	1,450.82
658	PCBP2 Poly(rC)-binding protein 2	IPI00216689,IPI00796337	38,562.90	102	115	LVPASQCGSLIGK	R	G	1,436.80
659	PCBP1 Poly(rC)-binding protein 1	IPI00016610	37,480.20	102	115	LVPATQCGSLIGK	R	G	1,450.82

660	PCBP2 Poly(rC)-binding protein 2	IPI00216689,IPI00796337	38,562.90	102	115	LVVPASQCGSLIGK	R	G	1,436.80
661	PCBP1 Poly(rC)-binding protein 1	IPI00016610	37,480.20	102	115	LVVPATQCGSLIGK	R	G	1,450.82
662	PCBP2 Poly(rC)-binding protein 2	IPI00216689,IPI00796337	38,562.90	102	115	LVVPASQCGSLIGK	R	G	1,436.80
663	RPS19 40S ribosomal protein S19	IPI00215780	16,042.50	102	111	RVLQALEGLK	R	M	1,134.71
664	RPS19 40S ribosomal protein S19	IPI00215780	16,042.50	102	111	RVLQALEGLK	R	M	1,134.71
665	RPL31 60S ribosomal protein L31	IPI00026302	14,445.20	102	115	LYTLVTYVPVTTFFK	K	N	1,652.94
666	POLR2E DNA-directed RNA polymerases I, II, and III subunit RPABC1	IPI00291093	24,533.40	102	115	ALIVVQQGMTPSAK	R	Q	1,466.81
667	TKT cDNA FLJ54957, highly similar to Transketolase	IPI00643920	68,725.40	102	114	KISSDLDGHPVPK	R	Q	1,408.78
668	RPL22 60S ribosomal protein L22	IPI00219153,IPI00878392	14,769.30	102	113	VVANSKESYELR	R	Y	1,402.74
669	RPS19 40S ribosomal protein S19	IPI00215780	16,042.50	103	111	VLQALEGLK	R	M	978.6075
670	RPS19 40S ribosomal protein S19	IPI00215780	16,042.50	103	111	VLQALEGLK	R	M	978.6075
671	TKT cDNA FLJ54957, highly similar to Transketolase	IPI00643920	68,725.40	103	114	ISSDLDGHPVPK	K	Q	1,272.67
672	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	70,881.80	103	112	VQVEYKGETK	K	S	1,196.65
673	TUBB Tubulin beta chain	IPI00011654	49,652.60	104	122	GHYTEGAELVDSVLDVVRK	K	E	2,095.09
674	TUBB2B Tubulin beta-2B chain	IPI00031370	49,935.10	104	122	GHYTEGAELVDSVLDVVRK	K	E	2,095.09
675	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	104	122	GHYTEGAELVDSVLDVVRK	K	E	2,095.09
676	TUBB Tubulin beta chain	IPI00011654	49,652.60	104	122	GHYTEGAELVDSVLDVVRK	K	E	2,095.09
677	TUBB2B Tubulin beta-2B chain	IPI00031370	49,935.10	104	122	GHYTEGAELVDSVLDVVRK	K	E	2,095.09
678	TUBB Tubulin beta chain	IPI00011654	49,652.60	104	122	GHYTEGAELVDSVLDVVRK	K	E	2,095.09
679	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	104	122	GHYTEGAELVDSVLDVVRK	K	E	2,095.09
680	OCIAD1 Isoform 1 of OCIA domain-containing protein 1	IPI00016405	27,608.80	104	115	KLENSPLGEALR	K	S	1,334.75
681	OCIAD1 Isoform 1 of OCIA domain-containing protein 1	IPI00016405	27,608.80	104	115	KLENSPLGEALR	K	S	1,334.75
682	OCIAD1 Isoform 1 of OCIA domain-containing protein 1	IPI00016405	27,608.80	104	115	KLENSPLGEALR	K	S	1,334.75
683	YWHAZ 14-3-3 protein zeta/delta	IPI00021263	27,727.90	104	115	FLIPNASQAESK	K	V	1,312.70
684	RPS14 40S ribosomal protein S14	IPI00026271	16,254.90	105	117	TKTPGPGAQSALR	R	A	1,291.72
685	RPS14 40S ribosomal protein S14	IPI00026271	16,254.90	105	117	TKTPGPGAQSALR	R	A	1,291.72
686	(Bos taurus) similar to alpha-tubulin I isoform 1	CON_00700865,IPI00387144,IPI00792677	50,133.70	106	112	GHYTIGK	R	E	783.424
687	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	107	122	VTNGAFTGEISPGMIK	K	D	1,629.84
688	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	107	122	VTNGAFTGEISPGMIK	K	D	1,629.84
689	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	107	122	VTNGAFTGEISPGMIK	K	D	1,629.84
690	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	107	122	VTNGAFTGEISPGMIK	K	D	1,645.83
691	HNRNPA1 Isoform A1-B of Heterogeneous nuclear ribonucleoprotein A1	IPI00215965,IPI00465365	38,828.10	107	113	IFVGGIK	K	E	741.475
692	RPL7 60S ribosomal protein L7	IPI00030179,IPI00472171,IPI00871827,IPI00872387	29,209.70	107	113	KVLQLLR	R	L	877.6074
693	RPL7 60S ribosomal protein L7	IPI00030179,IPI00472171,IPI00871827,IPI00872387	29,209.70	107	113	KVLQLLR	R	L	877.6074
694	RPL7 60S ribosomal protein L7	IPI00030179,IPI00472171,IPI00871827,IPI00872387	29,209.70	107	113	KVLQLLR	R	L	877.6074
695	YWHAE 14-3-3 protein epsilon	IPI00000816	29,157.00	107	118	HLIPAANTGESK	K	V	1,245.67
696	G3BP1 Ras GTPase-activating protein-binding protein 1	IPI00012442	52,144.80	108	123	FMQTFVLAPEGSVANK	R	F	1,746.90
697	G3BP1 Ras GTPase-activating protein-binding protein 1	IPI00012442	52,144.80	108	123	FMQTFVLAPEGSVANK	R	F	1,762.89
698	C6orf108 c-Myc-responsive protein Rcl	IPI00007926,IPI00395835	19,090.30	108	114	AVAFNKR	R	I	813.482
699	C6orf108 c-Myc-responsive protein Rcl	IPI00007926,IPI00395835	19,090.30	108	114	AVAFNKR	R	I	813.482
700	DNAJC9 DnaJ homolog subfamily C member 9	IPI00154975	29,892.30	108	118	ISLEDIQAFEK	K	T	1,300.69
701	PSMA1 Isoform Short of Proteasome subunit alpha type-1	IPI00016832,IPI00472442	29,538.00	108	115	LVSLIGSK	R	T	824.5332
702	RPL26 60S ribosomal protein L26	IPI00027270,IPI00433834	17,240.40	109	115	LKLDKDR	R	K	903.5595
703	RAB1B Ras-related protein Rab-1B	IPI00008964,IPI00871366,IPI00896425	22,154.00	109	116	YASENVNK	R	L	932.4562
704	RAB1B Ras-related protein Rab-1B	IPI00008964,IPI00871366,IPI00896425	22,154.00	109	116	YASENVNK	R	L	932.4562

705	PSMD4 Isoform Rpn10A of 26S proteasome non-ATPase regulatory subunit 4	IPI00022694,IPI000216247	40,719.20	109	126	IIAFVGGSPVEDNEKDLVK	R	L	1,989.09
706	BAX Isoform Epsilon of Apoptosis regulator BAX	IPI00071059,IPI00443773,IPI00444945,IPI00845474	18,111.40	110	119	VVALFYFASK	R	L	1,152.65
707	UBE2S Ubiquitin-conjugating enzyme E2 S	IPI00217949	23,828.40	111	117	HVLLTIK	R	C	831.5543
708	UBE2S Ubiquitin-conjugating enzyme E2 S	IPI00217949	23,828.40	111	117	HVLLTIK	R	C	831.5543
709	CCDC12 Coiled-coil domain-containing protein 12	IPI00453463	19,163.20	111	118	KPDWDLKR	R	D	1,073.61
710	PCNA Proliferating cell nuclear antigen	IPI00021700	28,751.30	111	117	VSDYEMK	K	L	895.3958
711	PCNA Proliferating cell nuclear antigen	IPI00021700	28,751.30	111	117	VSDYEMK	K	L	895.3958
712	ANP32B Isoform 1 of Acidic leucine-rich nuclear phosphoprotein 32 family member B	IPI00007423,IPI00759824	28,770.60	111	116	KLECLK	K	S	806.4777
713	RRM2 Ribonucleoside-diphosphate reductase M2 subunit	IPI00011118	51,076.50	111	119	IFQEPTPEK	R	T	1,096.58
714	YWHAG 14-3-3 protein gamma	IPI00220642	28,285.10	111	120	NCSETQYESK	K	V	1,253.52
715	YWHAG 14-3-3 protein gamma	IPI00220642	28,285.10	111	120	NCSETQYESK	K	V	1,253.52
716	YWHAH 14-3-3 protein eta	IPI00216319	28,201.60	111	120	NCNDFQYESK	K	V	1,312.54
717	YWHAG 14-3-3 protein gamma	IPI00220642	28,285.10	111	120	NCSETQYESK	K	V	1,253.52
718	YWHAH 14-3-3 protein eta	IPI00216319	28,201.60	111	120	NCNDFQYESK	K	V	1,312.54
719	YWHAG 14-3-3 protein gamma	IPI00220642	28,285.10	111	120	NCSETQYESK	K	V	1,253.52
720	RPS25 40S ribosomal protein S25	IPI00012750	13,725.00	112	125	NTKGGDAPAAGEDA	R	-	1,281.58
721	RPS25 40S ribosomal protein S25	IPI00012750	13,725.00	112	125	NTKGGDAPAAGEDA	R	-	1,281.58
722	THEM2 Thioesterase superfamily member 2	IPI00020530	14,942.60	112	123	TLAFTSVDLTNK	K	A	1,317.71
723	SNRNPB2 U2 small nuclear ribonucleoprotein B"	IPI00029267	25,469.50	112	122	TVEQTATTTNK	K	K	1,201.62
724	SNRNPB2 U2 small nuclear ribonucleoprotein B"	IPI00029267	25,469.50	112	122	TVEQTATTTNK	K	K	1,201.62
725	SNRNPB2 U2 small nuclear ribonucleoprotein B"	IPI00029267	25,469.50	112	122	TVEQTATTTNK	K	K	1,201.62
726	RAB1A Isoform 1 of Ras-related protein Rab-1A	IPI00005719,IPI00873902	22,660.40	112	119	YASENVNK	R	L	932.4562
727	CACYBP Isoform 1 of Calcyclin-binding protein	IPI00395627,IPI00552308	26,192.30	112	118	SFDLLVK	R	N	829.491
728	CACYBP Isoform 1 of Calcyclin-binding protein	IPI00395627,IPI00552308	26,192.30	112	118	SFDLLVK	R	N	829.491
729	RAB18 Ras-related protein Rab-18	IPI00014577	22,959.50	113	123	NDIVNMLVGNK	R	I	1,224.65
730	HMGB1 High mobility group protein B1	IPI00419258	24,876.70	113	127	IKGEHPGLSIGDVAK	K	K	1,536.87
731	HMGB1 High mobility group protein B1	IPI00419258	24,876.70	113	127	IKGEHPGLSIGDVAK	K	K	1,536.87
732	HMGB2 High mobility group protein B2	IPI00219097	24,016.60	113	128	IKSEHPGLSIGDTAKK	K	L	1,704.97
733	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	70,881.80	113	126	SFYPEEVSSMVLTK	K	M	1,640.80
734	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	70,881.80	113	126	SFYPEEVSSMVLTK	K	M	1,624.80
735	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	70,881.80	113	126	SFYPEEVSSMVLTK	K	M	1,624.80
736	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	113	126	AFYPEEISSMVLTK	K	M	1,622.82
737	RPLP0 60S acidic ribosomal protein P0	IPI00008530	34,256.30	113	134	AGAIAPEVTVPAQNTGLGPE R K	R	T	2,188.12
738	RPL23 60S ribosomal protein L23	IPI00010153,IPI00795408	14,847.90	114	123	GSAITGPVAK	K	E	908.5292
739	RAB7A Ras-related protein Rab-7a	IPI00016342	23,472.00	114	126	DPENFPFVVLGNK	R	I	1,483.77
740	RAB7A Ras-related protein Rab-7a	IPI00016342	23,472.00	114	126	DPENFPFVVLGNK	R	I	1,483.77
741	SKP1 Isoform 1 of S-phase kinase-associated protein 1	IPI00301364	18,640.30	114	121	GLLDVTCK	K	T	913.4905
742	SKP1 Isoform 1 of S-phase kinase-associated protein 1	IPI00301364	18,640.30	114	121	GLLDVTCK	K	T	913.4905
743	UCHL1 Ubiquitin carboxyl-terminal hydrolase isozyyme L1	IPI00018352	24,806.30	116	129	QFLSETEKMSPEDR	K	A	1,720.79
744	C14orf166 UPF0568 protein C14orf166	IPI00006980	28,051.30	116	131	NAEPLINLDVNNPDFK	K	A	1,820.93
745	YWHAZ 14-3-3 protein zeta/delta	IPI00021263	27,727.90	116	120	VFYLK	K	M	677.4112
746	YWHAQ 14-3-3 protein theta	IPI00018146	27,747.40	116	120	VFYLK	K	M	677.4112
747	YWHAZ 14-3-3 protein zeta/delta	IPI00021263	27,727.90	116	120	VFYLK	K	M	677.4112
748	YWHAQ 14-3-3 protein theta	IPI00018146	27,747.40	116	120	VFYLK	K	M	677.4112
749	RPL27 60S ribosomal protein L27	IPI00219155	15,780.40	116	121	VKFEER	K	Y	815.4501
750	YWHAB Isoform Long of 14-3-3 protein beta/alpha	IPI00216318,IPI00759832	28,065.10	118	122	VFYLK	K	M	677.4112

751	YWHAB Isoform Long of 14-3-3 protein beta/alpha	IPI00216318,IPI00759832	28,065.10	118	122	VFYLK	K	M	677.4112
752	ARF3 ADP-ribosylation factor 3	IPI00215917	20,583.70	118	127	DAVLLVFANK	R	Q	1,097.64
753	ARF3 ADP-ribosylation factor 3	IPI00215917	20,583.70	118	127	DAVLLVFANK	R	Q	1,097.64
754	ST13 Hsc70-interacting protein	IPI00032826	41,314.40	119	132	VAAIEALNDGELQK	K	A	1,478.79
755	ST13 Hsc70-interacting protein	IPI00032826	41,314.40	119	132	VAAIEALNDGELQK	K	A	1,478.79
756	ST13 Hsc70-interacting protein	IPI00032826	41,314.40	119	132	VAAIEALNDGELQK	K	A	1,478.79
757	ST13 Hsc70-interacting protein	IPI00032826	41,314.40	119	132	VAAIEALNDGELQK	K	A	1,478.79
758	PPIA Peptidyl-prolyl cis-trans isomerase A	IPI00419585,IPI00887678	17,994.90	119	131	TEWLDGKHHVVFQK	K	V	1,531.82
759	PPIA Peptidyl-prolyl cis-trans isomerase A	IPI00419585,IPI00887678	17,994.90	119	131	TEWLDGKHHVVFQK	K	V	1,531.82
760	FSCN1 Fascin	IPI00163187,IPI00747810	54,512.30	119	131	LSCFAQTVSPAQK	R	W	1,445.72
761	YBX1 Nuclease-sensitive element-binding protein 1	IPI00031812,IPI00643351	35,905.70	119	137	GAEAAVNTGPGGVPVQGSK	K	Y	1,703.88
762	CLIC1 Chloride intracellular channel protein 1	IPI00010896	26,905.30	120	131	NSNPALNDNLEK	K	G	1,336.66
763	RPL18 60S ribosomal protein L18	IPI00215719	21,617.20	120	132	ILTFDQLALDSPK	K	G	1,468.81
764	CLIC1 Chloride intracellular channel protein 1	IPI00010896	26,905.30	120	131	NSNPALNDNLEK	K	G	1,336.66
765	YWHAG 14-3-3 protein gamma	IPI00220642	28,285.10	121	125	VFYLK	K	M	677.4112
766	YWHAG 14-3-3 protein eta	IPI00216319	28,201.60	121	125	VFYLK	K	M	677.4112
767	YWHAG 14-3-3 protein gamma	IPI00220642	28,285.10	121	125	VFYLK	K	M	677.4112
768	OCIAD1 Isoform 1 of OCIA domain-containing protein 1	IPI00016405	27,608.80	121	131	RSSPPGHYYQK	R	S	1,327.66
769	OCIAD1 Isoform 1 of OCIA domain-containing protein 1	IPI00016405	27,608.80	121	131	RSSPPGHYYQK	R	S	1,327.66
770	YWHAZ 14-3-3 protein zeta/delta	IPI00021263	27,727.90	121	127	MKGDYYR	K	Y	940.4437
771	NDUFB10 NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 10	IPI00479905	20,758.70	122	131	EVEQFTQVAK	K	A	1,186.62
772	BASP1 Brain acid soluble protein 1	IPI00299024	22,675.30	122	149	AAEAAAAPAESAAPAAGEEPS KEEGEPK	K	K	2,652.26
773	GSTP1 Glutathione S-transferase P	IPI00219757	23,338.70	122	141	ALPGQLKPFETLLSQNGGK	K	T	2,142.19
774	GSTP1 Glutathione S-transferase P	IPI00219757	23,338.70	122	141	ALPGQLKPFETLLSQNGGK	K	T	2,142.19
775	PPP2CA Serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform	IPI00008380	35,576.50	122	136	QITQVYGFYDECLRK	R	Y	1,927.95
776	MAGOHB Protein mago nashi homolog 2	IPI00059292,IPI00219306	17,258.60	123	132	VFYYLVQDLK	R	C	1,295.71
777	MAGOHB Protein mago nashi homolog 2	IPI00059292,IPI00219306	17,258.60	123	132	VFYYLVQDLK	R	C	1,295.71
778	PTBP1 Isoform 1 of Polypyrimidine tract-binding protein 1	IPI00179964,IPI00183626,IPI00334175	57,204.50	123	134	GQPIYIQFSNHK	R	E	1,439.75
779	BTF3 Isoform 1 of Transcription factor BTF3	IPI00221035	22,150.30	123	141	VQASLAANTFTITGHAETK	K	Q	1,968.03
780	BTF3 Isoform 1 of Transcription factor BTF3	IPI00221035	22,150.30	123	141	VQASLAANTFTITGHAETK	K	Q	1,968.03
781	BTF3 Isoform 1 of Transcription factor BTF3	IPI00221035	22,150.30	123	141	VQASLAANTFTITGHAETK	K	Q	1,968.03
782	UFD1L Isoform Short of Ubiquitin fusion degradation protein 1 homolog	IPI00218292,IPI00655754,IPI00873326	34,483.20	125	139	FQPQSPDFLDITNPK	K	A	1,754.88
783	PSMD13 proteasome 26S non-ATPase subunit 13 isoform 2	IPI00375380,IPI00549672	42,924.90	125	134	LNIGDLQVTK	K	E	1,108.65
784	CDC123 Cell division cycle protein 123 homolog	IPI00005670,IPI00514175	39,118.10	126	135	TLSDIFLLFK	K	S	1,204.71
785	MDH1 Malate dehydrogenase, cytoplasmic	IPI00291005,IPI00915869	36,408.90	126	142	VIVVGNPANTNCLTASK	K	S	1,765.94
786	YWHAG 14-3-3 protein gamma	IPI00220642	28,285.10	126	132	MKGDYYR	K	Y	940.4437
787	YWHAH 14-3-3 protein eta	IPI00216319	28,201.60	126	132	MKGDYYR	K	Y	940.4437
788	CCT7 T-complex protein 1 subunit eta	IPI00018465	59,349.80	127	135	TATQLAVNK	R	I	953.5506
789	CCT7 T-complex protein 1 subunit eta	IPI00018465	59,349.80	127	135	TATQLAVNK	R	I	953.5506
790	CCT7 T-complex protein 1 subunit eta	IPI00018465	59,349.80	127	135	TATQLAVNK	R	I	953.5506
791	CCT7 T-complex protein 1 subunit eta	IPI00018465	59,349.80	127	135	TATQLAVNK	R	I	953.5506
792	CCT7 T-complex protein 1 subunit eta	IPI00018465	59,349.80	127	135	TATQLAVNK	R	I	953.5506
793	NAT13 Isoform 1 of N-acetyltransferase 13	IPI00018627	19,380.90	127	135	FGFEIETK	K	K	1,091.59
794	HNRNPA0 Heterogeneous nuclear ribonucleoprotein A0	IPI00011913	30,822.50	127	137	AEIADKQSGK	K	K	1,175.66
795	HNRNPA0 Heterogeneous nuclear ribonucleoprotein A0	IPI00011913	30,822.50	127	137	AEIADKQSGK	K	K	1,175.66
796	BUB3 Mitotic checkpoint protein BUB3	IPI00013468,IPI00514701,IPI00644108	37,136.70	127	139	TPCNAGTFSQPEK	R	V	1,444.66

797	BUB3 Mitotic checkpoint protein BUB3	IPI00013468,IPI00514701,IPI00644108	37,136.70	127	139	TPCNAGTFSQPEK	R	V	1,444.66
798	BUB3 Mitotic checkpoint protein BUB3	IPI00013468,IPI00514701,IPI00644108	37,136.70	127	139	TPCNAGTFSQPEK	R	V	1,444.66
799	BUB3 Mitotic checkpoint protein BUB3	IPI00013468,IPI00514701,IPI00644108	37,136.70	127	139	TPCNAGTFSQPEK	R	V	1,444.66
800	HNRNPA3 Isoform 1 of Heterogeneous nuclear ribonucleoprotein A3	IPI00419373	39,577.10	128	143	IFVGGIKEDTEEYNLR	K	D	1,890.97
801	HNRNPA3 Isoform 1 of Heterogeneous nuclear ribonucleoprotein A3	IPI00419373	39,577.10	128	134	IFVGGIK	K	E	741.475
802	YWHAZ 14-3-3 protein zeta/delta	IPI00021263	27,727.90	128	139	YLAEVAAGDDKK	R	G	1,295.68
803	YWHAZ 14-3-3 protein zeta/delta	IPI00021263	27,727.90	128	139	YLAEVAAGDDKK	R	G	1,295.68
804	YWHAZ 14-3-3 protein zeta/delta	IPI00021263	27,727.90	128	139	YLAEVAAGDDKK	R	G	1,295.68
805	YWHAZ 14-3-3 protein zeta/delta	IPI00021263	27,727.90	128	139	YLAEVAAGDDKK	R	G	1,295.68
806	YWHAZ 14-3-3 protein zeta/delta	IPI00021263	27,727.90	128	139	YLAEVAAGDDKK	R	G	1,295.68
807	YWHAZ 14-3-3 protein zeta/delta	IPI00021263	27,727.90	128	138	YLAEVAAGDDK	R	K	1,159.57
808	ARF3 ADP-ribosylation factor 3	IPI00215917	20,583.70	128	142	QDLPNAMNAAEITDK	K	L	1,654.78
809	ARF3 ADP-ribosylation factor 3	IPI00215917	20,583.70	128	142	QDLPNAMNAAEITDK	K	L	1,654.78
810	YWHAQ 14-3-3 protein theta	IPI00018146	27,747.40	128	139	YLAEVACGDDRK	R	Q	1,404.67
811	YWHAQ 14-3-3 protein theta	IPI00018146	27,747.40	128	139	YLAEVACGDDRK	R	Q	1,404.67
812	YWHAQ 14-3-3 protein theta	IPI00018146	27,747.40	128	139	YLAEVACGDDRK	R	Q	1,404.67
813	YWHAQ 14-3-3 protein theta	IPI00018146	27,747.40	128	139	YLAEVACGDDRK	R	Q	1,404.67
814	ILF2 Interleukin enhancer-binding factor 2	IPI00005198,IPI00872107	43,044.70	128	141	ILPTLEAVAALGNK	K	V	1,417.85
815	ILF2 Interleukin enhancer-binding factor 2	IPI00005198,IPI00872107	43,044.70	128	141	ILPTLEAVAALGNK	K	V	1,417.85
816	GSTK1 Glutathione S-transferase kappa 1	IPI00219673,IPI00917331	25,480.10	129	144	NEDITEPQSILAAAEK	R	A	1,736.88
817	PRDX1 Peroxiredoxin-1	IPI00000874,IPI00640741	22,092.90	129	140	GLFIIDDKGILR	R	Q	1,367.81
818	CMPK1 cytidine monophosphate (UMP-CMP) kinase 1, cytosolic isoform a	IPI00219953,IPI00909419	25,837.80	129	138	NQDNLQGWNK	R	T	1,224.58
819	YWHAB Isoform Long of 14-3-3 protein beta/alpha	IPI00216318,IPI00759832	28,065.10	130	140	YLSEVASGDNK	R	Q	1,190.58
820	YWHAB Isoform Long of 14-3-3 protein beta/alpha	IPI00216318,IPI00759832	28,065.10	130	140	YLSEVASGDNK	R	Q	1,190.58
821	YWHAB Isoform Long of 14-3-3 protein beta/alpha	IPI00216318,IPI00759832	28,065.10	130	140	YLSEVASGDNK	R	Q	1,190.58
822	YWHAB Isoform Long of 14-3-3 protein beta/alpha	IPI00216318,IPI00759832	28,065.10	130	140	YLSEVASGDNK	R	Q	1,190.58
823	YWHAE 14-3-3 protein epsilon	IPI00000816	29,157.00	131	142	YLAEFATGNDRK	R	E	1,392.70
824	YWHAE 14-3-3 protein epsilon	IPI00000816	29,157.00	131	142	YLAEFATGNDRK	R	E	1,392.70
825	YWHAE 14-3-3 protein epsilon	IPI00000816	29,157.00	131	142	YLAEFATGNDRK	R	E	1,392.70
826	PPIA Peptidyl-prolyl cis-trans isomerase A	IPI00419585,IPI00887678	17,994.90	132	144	VKEGMNIVEAMER	K	F	1,529.75
827	PPIA Peptidyl-prolyl cis-trans isomerase A	IPI00419585,IPI00887678	17,994.90	132	144	VKEGMNIVEAMER	K	F	1,529.75
828	UCHL1 Ubiquitin carboxyl-terminal hydrolase isozyme L1	IPI00018352	24,806.30	132	153	CFEKNEAIQAAHDAVAQEGQ	K	V	2,540.15
829	UCHL1 Ubiquitin carboxyl-terminal hydrolase isozyme L1	IPI00018352	24,806.30	132	153	CFEKNEAIQAAHDAVAQEGQ	K	V	2,540.15
830	YWHAG 14-3-3 protein gamma	IPI00220642	28,285.10	133	143	YLAEVATGEKR	R	A	1,244.67
831	YWHAG 14-3-3 protein gamma	IPI00220642	28,285.10	133	143	YLAEVATGEKR	R	A	1,244.67
832	YWHAG 14-3-3 protein gamma	IPI00220642	28,285.10	133	143	YLAEVATGEKR	R	A	1,244.67
833	RAC1 Isoform A of Ras-related C3 botulinum toxin substrate 1	IPI00010271,IPI00219675	21,432.60	133	147	KLTPITYPQGLAMAK	K	E	1,663.94
834	PRDX6 Peroxiredoxin-6	IPI00220301	25,018.10	133	142	VVVFVFGPDKK	R	L	1,151.68
835	YWHAG 14-3-3 protein gamma	IPI00220642	28,285.10	133	142	YLAEVATGEK	R	R	1,088.57
836	YWHAG 14-3-3 protein gamma	IPI00220642	28,285.10	133	142	YLAEVATGEK	R	R	1,088.57
837	RPS19 40S ribosomal protein S19	IPI00215780	16,042.50	134	143	IAGQVAAANK	R	K	950.5509
838	RPS19 40S ribosomal protein S19	IPI00215780	16,042.50	134	143	IAGQVAAANK	R	K	950.5509
839	PTBP1 Isoform 1 of Polypyrimidine tract-binding protein 1	IPI00179964,IPI00183626,IPI00334175	57,204.50	135	146	ELKTDSSPNQAR	K	A	1,353.68
840	RPLP0 60S acidic ribosomal protein P0	IPI00008530	34,256.30	135	146	TSFFQALGITTK	K	I	1,321.72
841	RPLP0 60S acidic ribosomal protein P0	IPI00008530	34,256.30	135	146	TSFFQALGITTK	K	I	1,321.72
842	RPLP0 60S acidic ribosomal protein P0	IPI00008530	34,256.30	135	146	TSFFQALGITTK	K	I	1,321.72
843	EEF1A1 Elongation factor 1-alpha 1	IPI00396485,IPI00472724	50,123.20	135	146	EHALLAYTLGVK	R	Q	1,322.76
844	EEF1A1 Elongation factor 1-alpha 1	IPI00396485,IPI00472724	50,123.20	135	146	EHALLAYTLGVK	R	Q	1,322.76

845	EEF1A1 Elongation factor 1-alpha 1	IPI00396485,IPI00472724	50,123.20	135	146	EHALLAYTLGVK	R	Q	1,322.76
846	EEF1A1 Elongation factor 1-alpha 1	IPI00396485,IPI00472724	50,123.20	135	146	EHALLAYTLGVK	R	Q	1,322.76
847	NPM1 Isoform 1 of Nucleophosmin	IPI00549248	32,557.40	135	142	LLSIGSKR	K	S	881.5659
848	RPL7 60S ribosomal protein L7	IPI00030179,IPI00472171,IPI00871827,IPI00872387	29,209.70	135	148	IVEPYIAWGYPNLK	R	S	1,670.90
849	RPL7 60S ribosomal protein L7	IPI00030179,IPI00472171,IPI00871827,IPI00872387	29,209.70	135	148	IVEPYIAWGYPNLK	R	S	1,670.90
850	NPM1 Isoform 1 of Nucleophosmin	IPI00549248	32,557.40	135	142	LLSIGSKR	K	S	881.5659
851	RPL7 60S ribosomal protein L7	IPI00030179,IPI00472171,IPI00871827,IPI00872387	29,209.70	135	148	IVEPYIAWGYPNLK	R	S	1,670.90
852	RPL7 60S ribosomal protein L7	IPI00030179,IPI00472171,IPI00871827,IPI00872387	29,209.70	135	148	IVEPYIAWGYPNLK	R	S	1,670.90
853	GNPNAT1 Glucosamine 6-phosphate N-acetyltransferase	IPI00061525	20,731.30	136	146	LLLSTLTLLSK	K	K	1,209.79
854	GNPNAT1 Glucosamine 6-phosphate N-acetyltransferase	IPI00061525	20,731.30	136	146	LLLSTLTLLSK	K	K	1,209.79
855	CCT7 T-complex protein 1 subunit eta	IPI00018465	59,349.80	136	144	IKEIAVTVK	K	K	1,016.67
856	RPL13 60S ribosomal protein L13	IPI00465361	24,244.20	136	145	KGDSSAEELK	K	L	1,079.56
857	RPL13 60S ribosomal protein L13	IPI00465361	24,244.20	136	145	KGDSSAEELK	K	L	1,079.56
858	ARL2BP Isoform 1 of ADP-ribosylation factor-like protein 2-binding protein	IPI00015866,IPI00845377	18,805.20	136	150	GLDLSSGLVVTSLCK	R	S	1,556.84
859	EIF2B1 Translation initiation factor eIF-2B subunit alpha	IPI00221300	33,695.20	137	145	VLEAAVAAK	R	K	879.5389
860	RAP1B Ras-related protein Rap-1b	IPI00015148,IPI00796349,IPI00908754,IPI00910592	20,806.90	137	149	QWNNCAFLESSAK	R	S	1,562.71
861	RAP1B Ras-related protein Rap-1b	IPI00015148,IPI00796349,IPI00908754,IPI00910592	20,806.90	137	149	QWNNCAFLESSAK	R	S	1,562.71
862	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	137	150	RHVFGESDELIGQK	R	V	1,622.84
863	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	137	150	RHVFGESDELIGQK	R	V	1,622.84
864	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	137	150	RHVFGESDELIGQK	R	V	1,622.84
865	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	137	150	RHVFGESDELIGQK	R	V	1,622.84
866	PPP2CA Serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform	IPI00008380	35,576.50	137	144	YGNANVWK	K	Y	959.4824
867	MTHFD1 C-1-tetrahydrofolate synthase, cytoplasmic	IPI00218342,IPI00794900	101,543.50	138	150	GDLNDCFIPCTPK	R	G	1,544.70
868	RAB1B Ras-related protein Rab-1B	IPI00008964,IPI00871366,IPI00896425	22,154.00	138	153	EFADSLGIPFLETSK	K	N	1,732.89
869	RAB1B Ras-related protein Rab-1B	IPI00008964,IPI00871366,IPI00896425	22,154.00	138	153	EFADSLGIPFLETSK	K	N	1,732.89
870	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	138	150	HVFGESDELIGQK	R	V	1,466.74
871	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	138	150	HVFGESDELIGQK	R	V	1,466.74
872	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	138	150	HVFGESDELIGQK	R	V	1,466.74
873	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	138	150	HVFGESDELIGQK	R	V	1,466.74
874	SLC25A5 ADP/ATP translocase 2	IPI00007188	32,878.50	139	147	TRLAADV GK	R	A	938.551
875	YWHAQ 14-3-3 protein theta	IPI00018146	27,747.40	139	158	KQTIDNSQGAYQEAFDISK	R	E	2,295.17
876	YWHAQ 14-3-3 protein theta	IPI00018146	27,747.40	139	158	KQTIDNSQGAYQEAFDISK	R	E	2,295.17
877	RPS10 40S ribosomal protein S10	IPI00008438	18,880.30	139	153	KAEAGAGSATEFQFR	K	G	1,577.78
878	RPS10 40S ribosomal protein S10	IPI00008438	18,880.30	139	153	KAEAGAGSATEFQFR	K	G	1,577.78
879	RAB7A Ras-related protein Rab-7a	IPI00016342	23,472.00	139	146	AQAWCYSK	R	N	1,021.47
880	YWHAQ 14-3-3 protein theta	IPI00018146	27,747.40	140	158	QTIDNSQGAYQEAFDISK	K	E	2,159.06
881	YWHAQ 14-3-3 protein theta	IPI00018146	27,747.40	140	158	QTIDNSQGAYQEAFDISK	K	E	2,159.06
882	RPL23A;hCG_16001 60S ribosomal protein L23a	IPI00021266	17,678.20	140	152	LAPDYDALDVANK	R	I	1,412.71
883	RPL23A;hCG_16001 60S ribosomal protein L23a	IPI00021266	17,678.20	140	152	LAPDYDALDVANK	R	I	1,412.71
884	RPL23A;hCG_16001 60S ribosomal protein L23a	IPI00021266	17,678.20	140	152	LAPDYDALDVANK	R	I	1,412.71
885	YWHAZ 14-3-3 protein zeta/delta	IPI00021263	27,727.90	140	157	GIVDQSQAYQEAFEISK	K	K	2,049.00
886	YWHAQ 14-3-3 protein theta	IPI00018146	27,747.40	140	157	QTIDNSQGAYQEAFDISK	K	K	2,022.95
887	YWHAZ 14-3-3 protein zeta/delta	IPI00021263	27,727.90	140	157	GIVDQSQAYQEAFEISK	K	K	2,049.00
888	YWHAQ 14-3-3 protein theta	IPI00018146	27,747.40	140	157	QTIDNSQGAYQEAFDISK	K	K	2,022.95
889	YWHAZ 14-3-3 protein zeta/delta	IPI00021263	27,727.90	140	157	GIVDQSQAYQEAFEISK	K	K	2,049.00
890	YWHAQ 14-3-3 protein theta	IPI00018146	27,747.40	140	157	QTIDNSQGAYQEAFDISK	K	K	2,022.95
891	YWHAZ 14-3-3 protein zeta/delta	IPI00021263	27,727.90	140	157	GIVDQSQAYQEAFEISK	K	K	2,049.00
892	YWHAQ 14-3-3 protein theta	IPI00018146	27,747.40	140	157	QTIDNSQGAYQEAFDISK	K	K	2,022.95
893	SLC25A5 ADP/ATP translocase 2	IPI00007188	32,878.50	141	147	LAADV GK	R	A	681.4022

894	SLC25A5 ADP/ATP translocase 2	IPI00007188	32,878.50	141	147	LAADV GK	R	A	681.4022
895	SLC25A5 ADP/ATP translocase 2	IPI00007188	32,878.50	141	147	LAADV GK	R	A	681.4022
896	YWHAB Isoform Long of 14-3-3 protein beta/alpha	IPI00216318,IPI00759832	28,065.10	141	160	QTTVSN SQAYQEAFEISK	K	E	2,303.15
897	YWHAB Isoform Long of 14-3-3 protein beta/alpha	IPI00216318,IPI00759832	28,065.10	141	159	QTTVSN SQAYQEAFEISK	K	K	2,167.04
898	YWHAB Isoform Long of 14-3-3 protein beta/alpha	IPI00216318,IPI00759832	28,065.10	141	159	QTTVSN SQAYQEAFEISK	K	K	2,167.04
899	NAT13 Isoform 1 of N-acetyltransferase 13	IPI00018627	19,380.90	141	152	RIEPADAHVLQK	K	N	1,384.78
900	RAB1A Isoform 1 of Ras-related protein Rab-1A	IPI00005719,IPI00873902	22,660.40	141	156	EFADSLGIPFLETS AK	K	N	1,732.89
901	NAT13 Isoform 1 of N-acetyltransferase 13	IPI00018627	19,380.90	141	152	RIEPADAHVLQK	K	N	1,384.78
902	NAT13 Isoform 1 of N-acetyltransferase 13	IPI00018627	19,380.90	141	152	RIEPADAHVLQK	K	N	1,384.78
903	ALDOA Fructose-bisphosphate aldolase A	IPI00465439,IPI00796333	39,402.60	141	147	DGADFAK	K	W	731.3451
904	YWHAE 14-3-3 protein epsilon	IPI00000816	29,157.00	142	153	KEAAENSLVAYK	R	A	1,338.72
905	YWHAE 14-3-3 protein epsilon	IPI00000816	29,157.00	142	153	KEAAENSLVAYK	R	A	1,338.72
906	YWHAE 14-3-3 protein epsilon	IPI00000816	29,157.00	143	153	EAAENSLVAYK	K	A	1,202.61
907	YWHAE 14-3-3 protein epsilon	IPI00000816	29,157.00	143	153	EAAENSLVAYK	K	A	1,202.61
908	YWHAG 14-3-3 protein gamma	IPI00220642	28,285.10	143	152	RATVVESSEK	K	A	1,113.60
909	YWHAE 14-3-3 protein epsilon	IPI00000816	29,157.00	143	153	EAAENSLVAYK	K	A	1,202.61
910	YWHAE 14-3-3 protein epsilon	IPI00000816	29,157.00	143	153	EAAENSLVAYK	K	A	1,202.61
911	PSAT1 cDNA FLJ56437, highly similar to Phosphoserine aminotransferase TALDO1 Transaldolase	IPI00001734	45,338.10	143	155	CADYVVTGAWSAK	R	A	1,435.68
912	TALDO1 Transaldolase	IPI00744692	37,523.70	143	154	LSSTWEGIQAGK	K	E	1,284.67
913	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	143	148	VVVITK	K	H	666.464
914	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	143	148	VVVITK	K	H	666.464
915	YWHAG 14-3-3 protein gamma	IPI00220642	28,285.10	144	152	ATVVESSEK	R	A	957.4978
916	YWHAG 14-3-3 protein gamma	IPI00220642	28,285.10	144	152	ATVVESSEK	R	A	957.4978
917	YWHAG 14-3-3 protein gamma	IPI00220642	28,285.10	144	152	ATVVESSEK	R	A	957.4978
918	YWHAH 14-3-3 protein eta	IPI00216319	28,201.60	144	155	NSVVEASEAAYK	K	E	1,275.63
919	MARCKSL1 MARCKS-related protein	IPI00641181	19,510.60	145	157	AAATPESQEPQAK	K	G	1,335.66
920	MARCKSL1 MARCKS-related protein	IPI00641181	19,510.60	145	157	AAATPESQEPQAK	K	G	1,335.66
921	RBMX Heterogeneous nuclear ribonucleoprotein G	IPI00304692	42,315.70	145	150	GPLPVK	R	R	618.4066
922	RAD23B UV excision repair protein RAD23 homolog B	IPI00008223,IPI00642549	43,153.10	145	173	QEKPAEKPAETPVATSPTATD	K	S	2,961.43
923	COPZ1 Coatomer subunit zeta-1	IPI00032851	20,180.90	146	168	STSGDSSR VALRGEDVPLTEQTVSQVLQS	R	E	2,476.35
924	RPS7 40S ribosomal protein S7	IPI00013415	22,109.50	146	152	AK VKLDGSR	R	L	782.4611
925	GAPDH Glyceraldehyde-3-phosphate dehydrogenase	IPI00219018	36,035.30	146	162	IISNASCTTNCLAPLAK	K	V	1,841.93
926	GAPDH Glyceraldehyde-3-phosphate dehydrogenase	IPI00219018	36,035.30	146	162	IISNASCTTNCLAPLAK	K	V	1,841.93
927	GAPDH Glyceraldehyde-3-phosphate dehydrogenase	IPI00219018	36,035.30	146	162	IISNASCTTNCLAPLAK	K	V	1,841.93
928	GAPDH Glyceraldehyde-3-phosphate dehydrogenase	IPI00219018	36,035.30	146	162	IISNASCTTNCLAPLAK	K	V	1,841.93
929	RPL14 Ribosomal protein L14 variant	IPI00555744	23,769.70	148	165	GTAAAAAAAAAAAAAAAAAK	K	V	1,378.75
930	HNRNPA3 Isoform 1 of Heterogeneous nuclear ribonucleoprotein A3	IPI00419373	39,577.10	149	161	YGKIETIEVME DR	K	Q	1,606.79
931	JUP Junction plakoglobin	IPI00554711	81,727.90	150	161	LLNDEDPVVVTK	K	A	1,349.74
932	JUP Junction plakoglobin	IPI00554711	81,727.90	150	161	LLNDEDPVVVTK	K	A	1,349.74
933	PCNA Proliferating cell nuclear antigen	IPI00021700	28,751.30	150	164	DLSHIGDAVVISCAK	R	D	1,592.82
934	PCNA Proliferating cell nuclear antigen	IPI00021700	28,751.30	150	164	DLSHIGDAVVISCAK	R	D	1,592.82
935	PCNA Proliferating cell nuclear antigen	IPI00021700	28,751.30	150	164	DLSHIGDAVVISCAK	R	D	1,592.82
936	RPLP0 60S acidic ribosomal protein P0	IPI00008530	34,256.30	150	162	GTIEILSDVQLIK	R	T	1,436.85
937	RPL18A 60S ribosomal protein L18a	IPI00026202	20,744.60	150	157	IKFPLPHR	K	V	1,015.63
938	RPL18A 60S ribosomal protein L18a	IPI00026202	20,744.60	150	157	IKFPLPHR	K	V	1,015.63
939	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	151	167	STGEAFVQFASQEIAEK	R	A	1,849.91

940	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	151	167	STGEAFVQFASQEIAEK	R	A	1,849.91
941	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	151	167	STGEAFVQFASQEIAEK	R	A	1,849.91
942	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	151	167	STGEAFVQFASQEIAEK	R	A	1,849.91
943	HNRNPF Heterogeneous nuclear ribonucleoprotein F	IPI00003881	45,653.80	151	167	ITGEAFVQFASQELAEK	K	A	1,875.96
944	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	151	167	STGEAFVQFASQEIAEK	R	A	1,849.91
945	HNRNPF Heterogeneous nuclear ribonucleoprotein F	IPI00003881	45,653.80	151	167	ITGEAFVQFASQELAEK	K	A	1,875.96
946	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	151	167	STGEAFVQFASQEIAEK	R	A	1,849.91
947	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	151	167	STGEAFVQFASQEIAEK	R	A	1,849.91
948	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	151	167	STGEAFVQFASQEIAEK	R	A	1,849.91
949	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	151	167	STGEAFVQFASQEIAEK	R	A	1,849.91
950	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	151	167	STGEAFVQFASQEIAEK	R	A	1,849.91
951	HNRNPF Heterogeneous nuclear ribonucleoprotein F	IPI00003881	45,653.80	151	167	ITGEAFVQFASQELAEK	K	A	1,875.96
952	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	151	167	STGEAFVQFASQEIAEK	R	A	1,849.91
953	HMGB1 High mobility group protein B1	IPI00419258	24,876.70	151	157	LKEYEK	K	D	961.578
954	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	151	168	VAHALAEGLGVIACIGEK	K	L	1,815.99
955	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	151	168	VAHALAEGLGVIACIGEK	K	L	1,815.99
956	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	151	168	VAHALAEGLGVIACIGEK	K	L	1,815.99
957	NAT13 Isoform 1 of N-acetyltransferase 13	IPI00018627	19,380.90	153	169	NLKVPSGQNADVQKTDN	K	-	1,843.95
958	NAT13 Isoform 1 of N-acetyltransferase 13	IPI00018627	19,380.90	153	169	NLKVPSGQNADVQKTDN	K	-	1,843.95
959	CFL1 Cofilin-1	IPI00012011	18,485.10	153	166	LGGSAVISLEGKPL	K	-	1,348.79
960	YWHAG 14-3-3 protein gamma	IPI00220642	28,285.10	153	162	AYSEAHEISK	K	E	1,142.56
961	YWHAG 14-3-3 protein gamma	IPI00220642	28,285.10	153	162	AYSEAHEISK	K	E	1,142.56
962	YWHAG 14-3-3 protein gamma	IPI00220642	28,285.10	153	162	AYSEAHEISK	K	E	1,142.56
963	ACTN4 Alpha-actinin-4	IPI00013808	104,839.20	153	166	FAIQDISVEETSAK	R	E	1,545.79
964	RUVBL1 Isoform 1 of RuvB-like 1	IPI00021187	50,211.40	153	162	TISHVIIGLK	K	T	1,088.69
965	RUVBL1 Isoform 1 of RuvB-like 1	IPI00021187	50,211.40	153	162	TISHVIIGLK	K	T	1,088.69
966	RUVBL1 Isoform 1 of RuvB-like 1	IPI00021187	50,211.40	153	162	TISHVIIGLK	K	T	1,088.69
967	RUVBL1 Isoform 1 of RuvB-like 1	IPI00021187	50,211.40	153	162	TISHVIIGLK	K	T	1,088.69
968	CDC42 Isoform 2 of Cell division control protein 42 homolog	IPI00016786,IPI00909484	21,240.70	154	163	YVECSALTQK	K	G	1,206.59
969	RAB18 Ras-related protein Rab-18	IPI00014577	22,959.50	154	168	TCDGVQCAFEELVEK	K	I	1,792.80
970	RAB18 Ras-related protein Rab-18	IPI00014577	22,959.50	154	168	TCDGVQCAFEELVEK	K	I	1,792.80
971	RAB1B Ras-related protein Rab-1B	IPI00008964,IPI00871366,IPI00896425	22,154.00	154	170	NATNVEQAFMTMAAEIK	K	K	1,908.89
972	PPIA Peptidyl-prolyl cis-trans isomerase A	IPI00419585,IPI00887678	17,994.90	155	165	KITIADCGQLE	K	-	1,255.64
973	SKP1 Isoform 1 of S-phase kinase-associated protein 1	IPI00301364	18,640.30	155	163	KENQWCEEK	R	-	1,266.58
974	PPIA Peptidyl-prolyl cis-trans isomerase A	IPI00419585,IPI00887678	17,994.90	155	165	KITIADCGQLE	K	-	1,255.64
975	PPIA Peptidyl-prolyl cis-trans isomerase A	IPI00419585,IPI00887678	17,994.90	155	165	KITIADCGQLE	K	-	1,255.64
976	HMGB1 High mobility group protein B1	IPI00419258	24,876.70	155	163	YEKDIAAYR	K	A	1,136.58
977	ST13 Hsc70-interacting protein	IPI00032826	41,314.40	155	160	ASVFK	R	L	658.4013
978	EEF1A1 Elongation factor 1-alpha 1	IPI00396485,IPI00472724	50,123.20	155	165	MDSTEPPYSQK	K	R	1,306.57
979	EEF1A1 Elongation factor 1-alpha 1	IPI00396485,IPI00472724	50,123.20	155	165	MDSTEPPYSQK	K	R	1,306.57
980	NAT13 Isoform 1 of N-acetyltransferase 13	IPI00018627	19,380.90	156	169	VPSGQNADVQKTDN	K	-	1,480.71
981	NAT13 Isoform 1 of N-acetyltransferase 13	IPI00018627	19,380.90	156	169	VPSGQNADVQKTDN	K	-	1,480.71
982	DDI2 Isoform 3 of Protein DDI1 homolog 2	IPI00031618,IPI00796836,IPI00845258	46,553.90	156	170	NPPLAEALLSGDLEK	R	F	1,574.85
983	AK1 Adenylate kinase isoenzyme 1	IPI00018342,IPI00640817	21,617.10	156	167	ATEPVIAFYEKR	K	G	1,431.77

984	HNRNPAB Isoform 2 of Heterogeneous nuclear ribonucleoprotein A/B	IPI00334587,IPI00334713,IPI00742926	35,949.90	156	169	IFVGGLNPEATEEK	K	I	1,511.78
985	HNRNPAB Isoform 2 of Heterogeneous nuclear ribonucleoprotein A/B	IPI00334587,IPI00334713,IPI00742926	35,949.90	156	169	IFVGGLNPEATEEK	K	I	1,511.78
986	AK1 Adenylate kinase isoenzyme 1	IPI00018342,IPI00640817	21,617.10	156	166	ATEPVIAFYEK	K	R	1,275.67
987	NAT13 Isoform 1 of N-acetyltransferase 13	IPI00018627	19,380.90	156	166	VPSGQNADVQK	K	T	1,150.59
988	HSD17B12 Estradiol 17-beta-dehydrogenase 12	IPI00007676	34,307.40	157	167	MININILSVCK	K	M	1,312.72
989	HSD17B12 Estradiol 17-beta-dehydrogenase 12	IPI00007676	34,307.40	157	167	MININILSVCK	K	M	1,312.72
990	(Bos taurus) similar to alpha-tubulin I isoform 1	CON_00700865,IPI00387144,IPI00792677	50,133.70	157	164	LSVDYGKK	R	S	917.5183
991	(Bos taurus) similar to alpha-tubulin I isoform 1	CON_00700865,IPI00387144,IPI00792677	50,133.70	157	164	LSVDYGKK	R	S	925.5325
992	(Bos taurus) similar to alpha-tubulin I isoform 1	CON_00700865,IPI00387144,IPI00792677	50,133.70	157	164	LSVDYGKK	R	S	925.5325
993	(Bos taurus) similar to alpha-tubulin I isoform 1	CON_00700865,IPI00387144,IPI00792677	50,133.70	157	164	LSVDYGKK	R	S	925.5325
994	(Bos taurus) similar to alpha-tubulin I isoform 1	CON_00700865,IPI00387144,IPI00792677	50,133.70	157	164	LSVDYGKK	R	S	925.5325
995	(Bos taurus) similar to alpha-tubulin I isoform 1	CON_00700865,IPI00387144,IPI00792677	50,133.70	157	164	LSVDYGKK	R	S	925.5325
996	YWHAZ 14-3-3 protein zeta/delta	IPI00021263	27,727.90	158	167	KEMQPTHPIR	K	L	1,260.66
997	YWHAQ 14-3-3 protein theta	IPI00018146	27,747.40	158	167	KEMQPTHPIR	K	L	1,260.66
998	RPS8 40S ribosomal protein S8	IPI00216587,IPI00645201,IPI00872430	24,188.40	158	170	ISSLLEEQFQQGK	K	L	1,514.79
999	ACOT7 Isoform 1 of Cytosolic acyl coenzyme A thioester hydrolase	IPI00010415,IPI00219451,IPI00219452,IPI00395748	41,777.00	158	168	ATLWYVPLSLK	K	N	1,298.76
1000	DHFR Dihydrofolate reductase	IPI00030357,IPI00887771	21,435.30	159	174	LLPEYPGVLSDVQEEK	K	G	1,823.95
1001	DHFR Dihydrofolate reductase	IPI00030357,IPI00887771	21,435.30	159	174	LLPEYPGVLSDVQEEK	K	G	1,823.95
1002	DHFR Dihydrofolate reductase	IPI00030357,IPI00887771	21,435.30	159	174	LLPEYPGVLSDVQEEK	K	G	1,823.95
1003	PRDX1 Peroxiredoxin-1	IPI00000874,IPI00640741	22,092.90	159	168	LVQAFQFTDK	R	H	1,204.65
1004	PLS3 plastin 3	IPI00216694	70,795.90	159	168	AVGDGIVLCK	K	M	1,039.57
1005	PLS3 plastin 3	IPI00216694	70,795.90	159	168	AVGDGIVLCK	K	M	1,039.57
1006	PLS3 plastin 3	IPI00216694	70,795.90	159	168	AVGDGIVLCK	K	M	1,039.57
1007	PLS3 plastin 3	IPI00216694	70,795.90	159	168	AVGDGIVLCK	K	M	1,039.57
1008	PLS3 plastin 3	IPI00216694	70,795.90	159	168	AVGDGIVLCK	K	M	1,039.57
1009	NUDC Nuclear migration protein nudC	IPI00550746	38,225.70	159	173	LKPNLNGADLPNYR	K	W	1,649.89
1010	NUDC Nuclear migration protein nudC	IPI00550746	38,225.70	159	173	LKPNLNGADLPNYR	K	W	1,649.89
1011	YWHAB Isoform Long of 14-3-3 protein beta/alpha	IPI00216318,IPI00759832	28,065.10	160	169	KEMQPTHPIR	K	L	1,260.66
1012	KHDRBS1 Isoform 1 of KH domain-containing, RNA binding, signal transduction-associated protein 1	IPI00008575,IPI00385834,IPI00479209	48,210.20	160	165	VLIPVK	R	Q	676.4848
1013	GNB2L1 38 kDa protein	IPI00641950,IPI00848226	37,740.10	160	168	LWNTLGVCK	K	Y	1,098.59
1014	GNB2L1 38 kDa protein	IPI00641950,IPI00848226	37,740.10	160	168	LWNTLGVCK	K	Y	1,098.59
1015	GNB2L1 38 kDa protein	IPI00641950,IPI00848226	37,740.10	160	168	LWNTLGVCK	K	Y	1,098.59
1016	ST13 Hsc70-interacting protein	IPI00032826	41,314.40	161	169	LQKPNAAIR	K	D	1,018.62
1017	ST13 Hsc70-interacting protein	IPI00032826	41,314.40	161	169	LQKPNAAIR	K	D	1,018.62
1018	PCBP2 Poly(rC)-binding protein 2	IPI00216689,IPI00796337	38,562.90	161	176	QICVVMLETLSQSPPK	K	G	1,837.96
1019	HNRNPA2B1 43 kDa protein	IPI00874030	43,234.30	161	173	EESGKPGAHVTVK	R	K	1,354.73
1020	GDI2 cDNA FLJ60299, highly similar to Rab GDP dissociation inhibitor beta	IPI00031461	51,138.50	161	168	TFEGIDPK	R	K	914.4711
1021	HNRNPA2B1 43 kDa protein	IPI00874030	43,234.30	161	173	EESGKPGAHVTVK	R	K	1,354.73
1022	PSMB2 Proteasome subunit beta type-2	IPI00028006	22,819.50	162	170	CLEELQKR	R	F	1,219.68
1023	PEBP1 Phosphatidylethanolamine-binding protein 1	IPI00219446	21,038.90	162	179	APVAGTCYQAEWDDYVPK	R	L	2,077.94
1024	PEBP1 Phosphatidylethanolamine-binding protein 1	IPI00219446	21,038.90	162	179	APVAGTCYQAEWDDYVPK	R	L	2,077.94
1025	PSMB2 Proteasome subunit beta type-2	IPI00028006	22,819.50	163	170	CLEELQKR	K	F	1,083.57
1026	PSAT1 cDNA FLJ56437, highly similar to Phosphoserine aminotransferase	IPI00001734	45,338.10	163	172	FGTINIVHPK	K	L	1,133.66
1027	TUBB Tubulin beta chain	IPI00011654	49,652.60	163	174	IMNTFSVVPSPK	R	V	1,327.72
1028	TUBB Tubulin beta chain	IPI00011654	49,652.60	163	174	IMNTFSVVPSPK	R	V	1,343.71
1029	TUBB Tubulin beta chain	IPI00011654	49,652.60	163	174	IMNTFSVVPSPK	R	V	1,343.71
1030	TUBB Tubulin beta chain	IPI00011654	49,652.60	163	174	IMNTFSVVPSPK	R	V	1,327.72

1031	TUBB Tubulin beta chain	IPI00011654	49,652.60	163	174	IMNTFSVVPSPK	R	V	1,343.71
1032	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	163	174	IMNTFSVVPSPK	R	V	1,343.71
1033	TUBB Tubulin beta chain	IPI00011654	49,652.60	163	174	IMNTFSVVPSPK	R	V	1,343.71
1034	TUBB Tubulin beta chain	IPI00011654	49,652.60	163	174	IMNTFSVVPSPK	R	V	1,327.72
1035	TUBB Tubulin beta chain	IPI00011654	49,652.60	163	174	IMNTFSVVPSPK	R	V	1,327.72
1036	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	163	174	IMNTFSVVPSPK	R	V	1,343.71
1037	TUBB Tubulin beta chain	IPI00011654	49,652.60	163	174	IMNTFSVVPSPK	R	V	1,343.71
1038	TUBB Tubulin beta chain	IPI00011654	49,652.60	163	174	IMNTFSVVPSPK	R	V	1,327.72
1039	TUBB Tubulin beta chain	IPI00011654	49,652.60	163	174	IMNTFSVVPSPK	R	V	1,327.72
1040	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	163	174	IMNTFSVVPSPK	R	V	1,327.72
1041	EEF1B2 Elongation factor 1-beta	IPI00178440	24,746.20	164	176	SIQADGLVWGSSK	R	L	1,355.70
1042	EEF1B2 Elongation factor 1-beta	IPI00178440	24,746.20	164	176	SIQADGLVWGSSK	R	L	1,355.70
1043	EEF1B2 Elongation factor 1-beta	IPI00178440	24,746.20	164	176	SIQADGLVWGSSK	R	L	1,355.70
1044	EEF1B2 Elongation factor 1-beta	IPI00178440	24,746.20	164	176	SIQADGLVWGSSK	R	L	1,355.70
1045	REEP5 Receptor expression-enhancing protein 5	IPI00024670,IPI00744902	21,476.50	165	172	ETADAITK	K	E	856.4503
1046	MDH1 Malate dehydrogenase, cytoplasmic	IPI00291005,IPI00915869	36,408.90	165	170	AQIALK	K	L	651.428
1047	BTF3 Isoform 1 of Transcription factor BTF3	IPI00221035	22,150.30	165	171	LAEALPK	R	Q	749.4648
1048	BTF3 Isoform 1 of Transcription factor BTF3	IPI00221035	22,150.30	165	171	LAEALPK	R	Q	749.4648
1049	BTF3 Isoform 1 of Transcription factor BTF3	IPI00221035	22,150.30	165	171	LAEALPK	R	Q	749.4648
1050	EEF1A2 Elongation factor 1-alpha 2	IPI00014424	50,452.60	166	172	RYDEIVK	K	E	930.5135
1051	CHCHD3 Coiled-coil-helix-coiled-coil-helix domain-containing protein 3, mitochondrial	IPI00015833	26,134.50	166	173	AAEEVEAK	K	F	854.4345
1052	EEF1A1 Elongation factor 1-alpha 1	IPI00396485,IPI00472724	50,123.20	167	179	YEEIVKEVSTYIK	R	K	1,616.88
1053	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IPI00290770,IPI00552715,IPI00553185	60,446.30	167	180	WSSLACNIALDAVK	R	M	1,555.80
1054	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IPI00290770,IPI00552715,IPI00553185	60,446.30	167	180	WSSLACNIALDAVK	R	M	1,555.80
1055	NAPA Alpha-soluble NSF attachment protein	IPI00009253	33,216.10	168	180	VAGYAALLEQYQK	K	A	1,461.78
1056	NAPA Alpha-soluble NSF attachment protein	IPI00009253	33,216.10	168	180	VAGYAALLEQYQK	K	A	1,461.78
1057	NAPA Alpha-soluble NSF attachment protein	IPI00009253	33,216.10	168	180	VAGYAALLEQYQK	K	A	1,461.78
1058	RPS5 40S ribosomal protein S5	IPI00008433	22,859.00	168	182	TIAECLADELINAAK	K	G	1,639.85
1059	RPS5 40S ribosomal protein S5	IPI00008433	22,859.00	168	182	TIAECLADELINAAK	K	G	1,639.85
1060	RNASEH2A Ribonuclease H2 subunit A	IPI00290192	33,377.00	168	183	ADALYPVVSAASICAK	K	V	1,643.86
1061	RAB18 Ras-related protein Rab-18	IPI00014577	22,959.50	169	183	IIQTPGLWESENQNK	K	G	1,764.90
1062	RAB18 Ras-related protein Rab-18	IPI00014577	22,959.50	169	183	IIQTPGLWESENQNK	K	G	1,764.90
1063	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	169	180	ELISNSSDALDK	R	I	1,299.65
1064	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	169	180	ELISNSSDALDK	R	I	1,299.65
1065	PCNA Proliferating cell nuclear antigen	IPI00021700	28,751.30	169	181	FSASGELGNGNIK	K	L	1,301.66
1066	PCNA Proliferating cell nuclear antigen	IPI00021700	28,751.30	169	181	FSASGELGNGNIK	K	L	1,301.66
1067	PCNA Proliferating cell nuclear antigen	IPI00021700	28,751.30	169	181	FSASGELGNGNIK	K	L	1,301.66
1068	PSMA5 Proteasome subunit alpha type-5	IPI00291922	26,393.30	169	187	AIGSASEGAQSSLQEVYHK	R	S	1,969.97
1069	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	169	179	LDEREAGITEK	K	V	1,268.66
1070	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	169	179	LDEREAGITEK	K	V	1,268.66
1071	RPL11 Isoform 1 of 60S ribosomal protein L11	IPI00376798	20,235.20	170	178	YDGIIIPGK	K	-	983.5654
1072	UBE2S Ubiquitin-conjugating enzyme E2 S	IPI00217949	23,828.40	170	197	ALASGTEASSTDPGAPGGPG	R	K	2,465.13
1073	UBE2S Ubiquitin-conjugating enzyme E2 S	IPI00217949	23,828.40	170	197	ALASGTEASSTDPGAPGGPG	R	K	2,465.13
1074	DNAJB1 DnaJ homolog subfamily B member 1	IPI00015947	38,027.60	170	181	GAEGPMAK	R	K	1,393.68
1075	C16orf80 UPF0468 protein C16orf80	IPI00001655	22,757.60	171	182	VSLEEIYSGCTK	R	L	1,448.70
1076	MDH1 Malate dehydrogenase, cytoplasmic	IPI00291005,IPI00915869	36,408.90	171	179	LGVTANDVK	K	N	924.5241
1077	HNRPDL Isoform 1 of Heterogeneous nuclear ribonucleoprotein D-like	IPI00011274	46,420.60	171	180	FGEVVDCTIK	R	T	1,175.59
1078	RUVBL1 Isoform 1 of RuvB-like 1	IPI00021187	50,211.40	172	182	LDPSIFESLQK	K	E	1,284.69

1079	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	70,881.80	172	187	IINEPTAAAIAYGLDK	R	K	1,667.91
1080	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	70,881.80	172	187	IINEPTAAAIAYGLDK	R	K	1,667.91
1081	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	70,881.80	172	187	IINEPTAAAIAYGLDK	R	K	1,667.91
1082	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	70,881.80	172	187	IINEPTAAAIAYGLDK	R	K	1,667.91
1083	RAB1B Ras-related protein Rab-1B	IPI00008964,IPI00871366,IPI00896425	22,154.00	173	187	MGPGAASGGGERPNLK	R	I	1,465.73
1084	CMPK1 cytidine monophosphate (UMP-CMP) kinase 1, cytosolic isoform a	IPI00219953,IPI00909419	25,837.80	173	183	SDDNRESLEKR	R	I	1,356.66
1085	CMPK1 cytidine monophosphate (UMP-CMP) kinase 1, cytosolic isoform a	IPI00219953,IPI00909419	25,837.80	173	183	SDDNRESLEKR	R	I	1,356.66
1086	EEF1A1 Elongation factor 1-alpha 1	IPI00396485,IPI00472724	50,123.20	173	180	EVSTYIKK	K	I	975.5601
1087	HNRNPA0 Heterogeneous nuclear ribonucleoprotein A0	IPI00011913	30,822.50	173	189	AVPKEDIYSGGGGGGSR	K	S	1,614.80
1088	HNRNPA0 Heterogeneous nuclear ribonucleoprotein A0	IPI00011913	30,822.50	173	189	AVPKEDIYSGGGGGGSR	K	S	1,614.80
1089	HNRNPA0 Heterogeneous nuclear ribonucleoprotein A0	IPI00011913	30,822.50	173	189	AVPKEDIYSGGGGGGSR	K	S	1,614.80
1090	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	173	179	EAGITEK	R	V	755.4026
1091	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	173	179	EAGITEK	R	V	755.4026
1092	ST13 Hsc70-interacting protein	IPI00032826	41,314.40	174	186	AIEINPDSAQPYK	R	W	1,453.74
1093	HNRNPA2B1 43 kDa protein	IPI00874030	43,234.30	175	181	LFVGGIK	K	E	741.475
1094	RPL9 60S ribosomal protein L9	IPI00031691,IPI00795717	21,845.70	175	184	FLDGIYVSEK	K	G	1,178.62
1095	PSMA7 Isoform 1 of Proteasome subunit alpha type-7	IPI00024175	27,869.10	175	189	NYTDEAIETDDLTIK	K	L	1,748.83
1096	PSMA7 Isoform 1 of Proteasome subunit alpha type-7	IPI00024175	27,869.10	175	189	NYTDEAIETDDLTIK	K	L	1,748.83
1097	PSMA7 Isoform 1 of Proteasome subunit alpha type-7	IPI00024175	27,869.10	175	189	NYTDEAIETDDLTIK	K	L	1,748.83
1098	PSMA7 Isoform 1 of Proteasome subunit alpha type-7	IPI00024175	27,869.10	175	189	NYTDEAIETDDLTIK	K	L	1,748.83
1099	NAMPT Isoform 1 of Nicotinamide phosphoribosyltransferase	IPI00018873,IPI00337370,IPI00472879	55,504.50	175	189	YLLETSGNLDGLEYK	K	L	1,722.87
1100	RAB1A Isoform 1 of Ras-related protein Rab-1A	IPI00005719,IPI00873902	22,660.40	176	187	MGPATAGGAEK	R	S	1,070.50
1101	EIF3 Eukaryotic translation initiation factor 3 subunit I	IPI00012795	36,484.00	177	185	SGEVLNVK	K	E	952.5553
1102	PCBP2 Poly(rC)-binding protein 2	IPI00216689,IPI00796337	38,562.90	177	199	GVTIPYRPKPSSSPVIFAGGQ DR	K	Y	2,437.31
1103	MGMT O-6-methylguanine-DNA methyltransferase	IPI00028618	25,031.90	179	196	VVCSSGAVGNYSGLAVK	R	E	1,732.88
1104	IGF2BP1 Insulin-like growth factor 2 mRNA-binding protein 1	IPI00008557	63,438.30	179	190	QGSPPVAAGAPAK	R	Q	1,061.58
1105	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	181	196	VILHLKEDQTEYLEER	K	R	2,023.06
1106	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	181	196	VILHLKEDQTEYLEER	K	R	2,023.06
1107	PSMB2 Proteasome subunit beta type-2	IPI00028006	22,819.50	182	198	IIDKNGIHDLDNISFPK	R	Q	1,955.06
1108	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	183	196	YESLTDPSKLDGSK	R	E	1,555.78
1109	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	184	193	IGAEVYHNLK	R	N	1,151.63
1110	GNB2L1 38 kDa protein	IPI00641950,IPI00848226	37,740.10	185	201	FSPNSSNPIIVSCGWDK	R	L	1,915.91
1111	GNB2L1 38 kDa protein	IPI00641950,IPI00848226	37,740.10	185	201	FSPNSSNPIIVSCGWDK	R	L	1,915.91
1112	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	187	197	VIADNVKDWSK	K	V	1,290.70
1113	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	187	197	VIADNVKDWSK	K	V	1,290.70
1114	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	187	197	VIADNVKDWSK	K	V	1,290.70
1115	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	187	197	VIADNVKDWSK	K	V	1,290.70
1116	YWHAZ 14-3-3 protein zeta/delta	IPI00021263	27,727.90	188	193	ACSLAK	K	T	657.348
1117	YWHAZ 14-3-3 protein zeta/delta	IPI00021263	27,727.90	188	193	ACSLAK	K	T	657.348
1118	YWHAZ 14-3-3 protein zeta/delta	IPI00021263	27,727.90	188	193	ACSLAK	K	T	657.348
1119	SLC25A5 ADP/ATP translocase 2	IPI00007188	32,878.50	189	199	AAYFGIYDTAK	R	G	1,227.61
1120	SLC25A5 ADP/ATP translocase 2	IPI00007188	32,878.50	189	199	AAYFGIYDTAK	R	G	1,227.61

1121	HNRPD L Isoform 1 of Heterogeneous nuclear ribonucleoprotein D-like	IPI00011274	46,420.60	190	197	GFGFVLFK	R	D	922.5277
1122	HNRPD L Isoform 1 of Heterogeneous nuclear ribonucleoprotein D-like	IPI00011274	46,420.60	190	197	GFGFVLFK	R	D	922.5277
1123	YWHAB Isoform Long of 14-3-3 protein beta/alpha	IPI00216318,IPI00759832	28,065.10	190	195	ACSLAK	K	T	657.348
1124	YWHAB Isoform Long of 14-3-3 protein beta/alpha	IPI00216318,IPI00759832	28,065.10	190	195	ACSLAK	K	T	657.348
1125	YWHAB Isoform Long of 14-3-3 protein beta/alpha	IPI00216318,IPI00759832	28,065.10	190	195	ACSLAK	K	T	657.348
1126	NONO Non-POU domain-containing octamer-binding protein	IPI00304596	54,213.60	191	202	GIVEFSGKPAAR	K	K	1,239.69
1127	NONO Non-POU domain-containing octamer-binding protein	IPI00304596	54,213.60	191	202	GIVEFSGKPAAR	K	K	1,239.69
1128	NONO Non-POU domain-containing octamer-binding protein	IPI00304596	54,213.60	191	202	GIVEFSGKPAAR	K	K	1,239.69
1129	KPNB1 Importin subunit beta-1	IPI00001639	97,153.30	192	206	LAATNALLNSLEFTK	K	A	1,613.90
1130	KPNB1 Importin subunit beta-1	IPI00001639	97,153.30	192	206	LAATNALLNSLEFTK	K	A	1,613.90
1131	KPNB1 Importin subunit beta-1	IPI00001639	97,153.30	192	206	LAATNALLNSLEFTK	K	A	1,613.90
1132	KPNB1 Importin subunit beta-1	IPI00001639	97,153.30	192	206	LAATNALLNSLEFTK	K	A	1,613.90
1133	KPNB1 Importin subunit beta-1	IPI00001639	97,153.30	192	206	LAATNALLNSLEFTK	K	A	1,613.90
1134	KPNB1 Importin subunit beta-1	IPI00001639	97,153.30	192	206	LAATNALLNSLEFTK	K	A	1,613.90
1135	DDI2 Isoform 3 of Protein DDI1 homolog 2	IPI00031618,IPI00796836,IPI00845258	46,553.90	192	205	LFSADPFDLAQAK	R	I	1,559.78
1136	TIAL1 Nucleolysin TIAR	IPI00005615,IPI00644708,IPI00647436	41,571.90	193	203	FEDVNVQSSPK	R	N	1,257.62
1137	RCC1 regulator of chromosome condensation 1 isoform a	IPI00001661,IPI00747309,IPI00787306	48,126.30	193	207	SMVPVQVQLDVPVVK	K	V	1,661.94
1138	PSMA7 Isoform 1 of Proteasome subunit alpha type-7	IPI00024175	27,869.10	194	204	ALLEVVQSGGK	K	N	1,108.65
1139	PSMA7 Isoform 1 of Proteasome subunit alpha type-7	IPI00024175	27,869.10	194	204	ALLEVVQSGGK	K	N	1,108.65
1140	PSMA7 Isoform 1 of Proteasome subunit alpha type-7	IPI00024175	27,869.10	194	204	ALLEVVQSGGK	K	N	1,108.65
1141	PSMA1 Isoform Short of Proteasome subunit alpha type-1	IPI00016832,IPI00472442	29,538.00	194	208	ALRETLPAEQDLTTK	R	N	1,693.92
1142	CDC123 Cell division cycle protein 123 homolog	IPI00005670,IPI00514175	39,118.10	194	204	DYTQYYDHISK	R	Q	1,440.65
1143	NAMPT Isoform 1 of Nicotinamide phosphoribosyltransferase	IPI00018873,IPI00337370,IPI00472879	55,504.50	197	216	GVSSQETAGIGASAHLVNFK	R	G	1,981.02
1144	PSMA5 Proteasome subunit alpha type-5	IPI00291922	26,393.30	197	203	SSLILK	K	Q	781.5274
1145	CACYBP Isoform 1 of Calcyclin-binding protein	IPI00395627,IPI00552308	26,192.30	197	208	KIYEDGDDMKR	K	T	1,516.69
1146	DDX5 Probable ATP-dependent RNA helicase DDX5	IPI00017617	69,131.70	198	207	STCIYGGAPK	K	G	1,061.52
1147	DDX5 Probable ATP-dependent RNA helicase DDX5	IPI00017617	69,131.70	198	207	STCIYGGAPK	K	G	1,061.52
1148	DDX5 Probable ATP-dependent RNA helicase DDX5	IPI00017617	69,131.70	198	207	STCIYGGAPK	K	G	1,061.52
1149	GNB2 Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-2	IPI00003348	37,313.80	198	209	TFVSGACDASIK	R	L	1,263.61
1150	TP11 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	198	212	VVLAYEPVWAIGTGK	K	T	1,610.90
1151	TP11 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	198	212	VVLAYEPVWAIGTGK	K	T	1,610.90
1152	TP11 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	198	212	VVLAYEPVWAIGTGK	K	T	1,610.90
1153	TP11 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	198	212	VVLAYEPVWAIGTGK	K	T	1,610.90
1154	TP11 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	198	212	VVLAYEPVWAIGTGK	K	T	1,610.90
1155	TP11 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	198	212	VVLAYEPVWAIGTGK	K	T	1,610.90
1156	RPL13 60S ribosomal protein L13	IPI00465361	24,244.20	199	209	AKEAAEQDVEK	R	K	1,233.63
1157	RNASEH2A Ribonuclease H2 subunit A	IPI00290192	33,377.00	199	215	LQDLDTDYGSGYPNDPK	K	T	1,905.86
1158	IGF2BP1 Insulin-like growth factor 2 mRNA-binding protein 1	IPI00008557	63,438.30	200	213	LLVPTQYVGAIGK	R	E	1,479.90
1159	IGF2BP1 Insulin-like growth factor 2 mRNA-binding protein 1	IPI00008557	63,438.30	200	213	LLVPTQYVGAIGK	R	E	1,479.90
1160	SFPQ Isoform Long of Splicing factor, proline- and glutamine-rich	IPI00010740	76,131.50	200	208	QGPGGGPK	K	G	802.43
1161	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IPI00290770,IPI00552715,IPI00553185	60,446.30	200	215	VEKIPGGIIEDSCVLR	R	G	1,792.97

1162	SFPQ Isoform Long of Splicing factor, proline- and glutamine-rich	IPI00010740	76,131.50	200	208	QGPGPGGPK	K	G	802.43
1163	CCT7 T-complex protein 1 subunit eta	IPI00018465	59,349.80	200	217	VQGGALEDSQLVAGVAFK	K	K	1,796.96
1164	CCT7 T-complex protein 1 subunit eta	IPI00018465	59,349.80	200	217	VQGGALEDSQLVAGVAFK	K	K	1,796.96
1165	RPL13 60S ribosomal protein L13	IPI00465361	24,244.20	201	209	EAAEQDVEK	K	K	1,026.48
1166	RPL13 60S ribosomal protein L13	IPI00465361	24,244.20	201	209	EAAEQDVEK	K	K	1,026.48
1167	RPL13 60S ribosomal protein L13	IPI00465361	24,244.20	201	209	EAAEQDVEK	K	K	1,026.48
1168	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	203	221	DATNVGDEGGFAPNILENK	K	E	1,968.94
1169	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	203	221	DATNVGDEGGFAPNILENK	K	E	1,968.94
1170	BUB3 Mitotic checkpoint protein BUB3	IPI00013468,IPI00514701,IPI00644108	37,136.70	203	216	VAVEYLDPSPEVQK	R	K	1,581.83
1171	BUB3 Mitotic checkpoint protein BUB3	IPI00013468,IPI00514701,IPI00644108	37,136.70	203	216	VAVEYLDPSPEVQK	R	K	1,581.83
1172	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	205	221	HSQFIGYPITLYLEKER	K	E	2,102.12
1173	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	205	221	HSQFIGYPITLYLEKER	K	E	2,102.12
1174	SNRNPB2 U2 small nuclear ribonucleoprotein B"	IPI00029267	25,469.50	205	211	DALQGFK	R	I	786.4237
1175	SNRNPB2 U2 small nuclear ribonucleoprotein B"	IPI00029267	25,469.50	205	211	DALQGFK	R	I	786.4237
1176	GNB2L1 38 kDa protein	IPI00641950,IPI00848226	37,740.10	205	212	VWNLANCK	K	L	1,012.51
1177	OCIAD1 Isoform 1 of OCIA domain-containing protein 1	IPI00016405	27,608.80	206	217	NRESYEVSLTQK	K	T	1,461.74
1178	PSMD10 26S proteasome non-ATPase regulatory subunit 10	IPI00003565,IPI00027699	24,410.20	207	213	TPLQVAK	K	G	764.4757
1179	PSMD10 26S proteasome non-ATPase regulatory subunit 10	IPI00003565,IPI00027699	24,410.20	207	213	TPLQVAK	K	G	764.4757
1180	KPNB1 Importin subunit beta-1	IPI00001639	97,153.30	207	215	ANFDKESER	K	H	1,103.52
1181	KPNB1 Importin subunit beta-1	IPI00001639	97,153.30	207	215	ANFDKESER	K	H	1,103.52
1182	KPNB1 Importin subunit beta-1	IPI00001639	97,153.30	207	215	ANFDKESER	K	H	1,103.52
1183	CDC2 Putative uncharacterized protein DKFZp686L2022	IPI00026689,IPI00908424	34,762.10	207	221	KPLFHGDSEIDQLFR	K	I	1,809.94
1184	HNRNPB Isoform 1 of Heterogeneous nuclear ribonucleoprotein K	IPI00216049,IPI00216746,IPI00514561,IPI00807545,IPI00910458	50,960.50	208	219	IILDISESPIK	K	G	1,348.82
1185	HNRNPB Isoform 1 of Heterogeneous nuclear ribonucleoprotein K	IPI00216049,IPI00216746,IPI00514561,IPI00807545,IPI00910458	50,960.50	208	219	IILDISESPIK	K	G	1,348.82
1186	HNRNPB Isoform 1 of Heterogeneous nuclear ribonucleoprotein K	IPI00216049,IPI00216746,IPI00514561,IPI00807545,IPI00910458	50,960.50	208	219	IILDISESPIK	K	G	1,348.82
1187	HNRNPB Isoform 1 of Heterogeneous nuclear ribonucleoprotein K	IPI00216049,IPI00216746,IPI00514561,IPI00807545,IPI00910458	50,960.50	208	219	IILDISESPIK	K	G	1,348.82
1188	HNRNPB Isoform 1 of Heterogeneous nuclear ribonucleoprotein K	IPI00216049,IPI00216746,IPI00514561,IPI00807545,IPI00910458	50,960.50	208	219	IILDISESPIK	K	G	1,348.82
1189	PSMA1 Isoform Short of Proteasome subunit alpha type-1	IPI00016832,IPI00472442	29,538.00	209	217	NVSIGIVGK	K	D	894.5499
1190	FAR1 cDNA: FLJ22728 fis, clone HSI15617 (Fragment)	IPI00386139,IPI00478838	38,361.30	209	221	ALAEYVVQEGAK	K	L	1,413.75
1191	EIF2B1 Translation initiation factor eIF-2B subunit alpha	IPI00221300	33,695.20	210	220	IGTNQMAVCAK	K	A	1,216.59
1192	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	210	222	TLTIVDTGIGMTK	R	A	1,373.74
1193	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	210	222	TLTIVDTGIGMTK	R	A	1,373.74
1194	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	210	222	TLTIVDTGIGMTK	R	A	1,357.75
1195	PCNA Proliferating cell nuclear antigen	IPI00021700	28,751.30	211	217	YLNFFTK	R	A	940.5018
1196	ST13 Hsc70-interacting protein	IPI00032826	41,314.40	211	222	LDYDEDASAMLK	K	E	1,394.62
1197	ST13 Hsc70-interacting protein	IPI00032826	41,314.40	211	222	LDYDEDASAMLK	K	E	1,394.62
1198	EIF4G2 cDNA FLJ59571, highly similar to Eukaryotic translation initiation factor 4gamma 2	IPI00015952,IPI00782985	110,247.70	212	231	LAEDAPNFDGPAEAGQPGQK	R	Q	2,019.95
1199	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	213	225	TATPQQAQEVHEK	K	L	1,474.74
1200	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	213	225	TATPQQAQEVHEK	K	L	1,474.74
1201	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	213	225	TATPQQAQEVHEK	K	L	1,474.74
1202	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	213	225	TATPQQAQEVHEK	K	L	1,474.74
1203	NUDC Nuclear migration protein nudC	IPI00550746	38,225.70	213	227	GQPAIDGELYNEVK	K	V	1,653.86

1204	GDI2 cDNA FLJ60299, highly similar to Rab GDP dissociation inhibitor beta	IPI00031461	51,138.50	213	222	IKLYSESLAR	R	Y	1,187.69
1205	GDI2 cDNA FLJ60299, highly similar to Rab GDP dissociation inhibitor beta	IPI00031461	51,138.50	213	222	IKLYSESLAR	R	Y	1,187.69
1206	UCHL1 Ubiquitin carboxyl-terminal hydrolase isozyme L1	IPI00018352	24,806.30	214	221	FSAVALCK	R	A	903.4848
1207	UCHL1 Ubiquitin carboxyl-terminal hydrolase isozyme L1	IPI00018352	24,806.30	214	221	FSAVALCK	R	A	903.4848
1208	PSMD10 26S proteasome non-ATPase regulatory subunit 10	IPI00003565,IPI00027699	24,410.20	214	222	GGLGLILKR	K	M	934.629
1209	PSMD10 26S proteasome non-ATPase regulatory subunit 10	IPI00003565,IPI00027699	24,410.20	214	222	GGLGLILKR	K	M	934.629
1210	PSMD10 26S proteasome non-ATPase regulatory subunit 10	IPI00003565,IPI00027699	24,410.20	214	221	GGLGLILK	K	R	778.5279
1211	PSMD10 26S proteasome non-ATPase regulatory subunit 10	IPI00003565,IPI00027699	24,410.20	214	221	GGLGLILK	K	R	778.5279
1212	PABPC1 Isoform 1 of Polyadenylate-binding protein 1	IPI00008524	70,653.30	214	221	FGPALSVK	K	V	826.4913
1213	GNB2L1 38 kDa protein	IPI00641950,IPI00848226	37,740.10	215	241	TNHIGHTGYLNTVTVSPDGSL CASGGK	K	D	2,751.32
1214	HNRNPA2B1 43 kDa protein	IPI00874030	43,234.30	215	229	GFGFVTFDDHDPVDK	R	I	1,703.78
1215	HNRNPA2B1 43 kDa protein	IPI00874030	43,234.30	215	229	GFGFVTFDDHDPVDK	R	I	1,703.78
1216	HNRNPA2B1 43 kDa protein	IPI00874030	43,234.30	215	234	GFGFVTFDDHDPVDKIVLQK	R	Y	2,293.18
1217	HNRNPA2B1 43 kDa protein	IPI00874030	43,234.30	215	234	GFGFVTFDDHDPVDKIVLQK	R	Y	2,293.18
1218	EIF2S2 Eukaryotic translation initiation factor 2 subunit 2	IPI00021728	38,371.70	217	227	TSFVNFDTICK	K	L	1,339.64
1219	HNRNPR Heterogeneous nuclear ribonucleoprotein R	IPI00012074,IPI00644055,IPI00856037,IPI00910614	70,925.80	217	224	EAAQEAVK	K	L	853.4505
1220	CCT7 T-complex protein 1 subunit eta	IPI00018465	59,349.80	219	230	TFSYAGFEMQPK	K	K	1,429.65
1221	PTBP1 Isoform 1 of Polypyrimidine tract-binding protein 1	IPI00179964,IPI00183626,IPI00334175	57,204.50	219	238	NNQFQALLQYADPVSAQHAK	K	L	2,251.13
1222	PTBP1 Isoform 1 of Polypyrimidine tract-binding protein 1	IPI00179964,IPI00183626,IPI00334175	57,204.50	219	238	NNQFQALLQYADPVSAQHAK	K	L	2,251.13
1223	ACTR2 Actin-related protein 2	IPI00005159	44,743.70	220	232	LCYVGYNIEQEQQ	K	L	1,651.79
1224	ACTR2 Actin-related protein 2	IPI00005159	44,743.70	220	232	LCYVGYNIEQEQQ	K	L	1,651.79
1225	DNAJB1 DnaJ homolog subfamily B member 1	IPI00015947	38,027.60	223	240	EGDQTSNNIPADIVFVLK	K	D	1,968.02
1226	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	223	234	ADLINNLGTIAK	K	S	1,250.72
1227	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	223	234	ADLINNLGTIAK	K	S	1,250.72
1228	ACAT2 Acetyl-CoA acetyltransferase, cytosolic	IPI00291419	41,332.40	224	233	HGSNIEAMSK	R	L	1,097.51
1229	FASN Fatty acid synthase	IPI00026781	273,382.00	225	235	SEGVAVLLTK	R	K	1,123.68
1230	DDX5 Probable ATP-dependent RNA helicase DDX5	IPI00017617	69,131.70	228	236	LIDFLECGK	R	T	1,102.57
1231	DDX5 Probable ATP-dependent RNA helicase DDX5	IPI00017617	69,131.70	228	236	LIDFLECGK	R	T	1,102.57
1232	DDX5 Probable ATP-dependent RNA helicase DDX5	IPI00017617	69,131.70	228	236	LIDFLECGK	R	T	1,102.57
1233	DDX5 Probable ATP-dependent RNA helicase DDX5	IPI00017617	69,131.70	228	236	LIDFLECGK	R	T	1,102.57
1234	DDX5 Probable ATP-dependent RNA helicase DDX5	IPI00017617	69,131.70	228	236	LIDFLECGK	R	T	1,102.57
1235	TES Isoform 1 of Testin	IPI00024097,IPI00216425,IPI00873055	47,977.60	232	240	TQYSCYCCK	R	L	1,277.48
1236	TCP1 T-complex protein 1 subunit alpha	IPI00290566	60,327.20	234	243	IACLDLFLQK	K	T	1,202.63
1237	KPNB1 Importin subunit beta-1	IPI00001639	97,153.30	235	243	VAALQNLVK	R	I	963.6077
1238	BLVRA Biliverdin reductase A	IPI00294158	33,411.00	235	248	SGSLENVPNVGVNK	K	N	1,421.75
1239	BLVRA Biliverdin reductase A	IPI00294158	33,411.00	235	248	SGSLENVPNVGVNK	K	N	1,421.75
1240	OClAD1 Isoform 1 of OCIA domain-containing protein 1	IPI00016405	27,608.80	236	245	VNKYGDTWDE	K	-	1,234.55
1241	PSAT1 cDNA FLJ56437, highly similar to Phosphoserine aminotransferase	IPI00001734	45,338.10	236	245	FGVIFAGAQK	K	N	1,045.59

1242	PSAT1 cDNA FLJ56437, highly similar to Phosphoserine aminotransferase	IPI00001734	45,338.10	236	245	FGVIFAGAQK	K	N	1,045.59
1243	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IPI00290770,IPI00552715,IPI00553185	60,446.30	237	247	IVLLDSSLEYK	R	K	1,287.73
1244	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IPI00290770,IPI00552715,IPI00553185	60,446.30	237	247	IVLLDSSLEYK	R	K	1,287.73
1245	ANP32A Acidic leucine-rich nuclear phosphoprotein 32 family member A	IPI00025849	28,568.10	238	249	KREPEDEGEDDD	R	-	1,441.58
1246	ANP32A Acidic leucine-rich nuclear phosphoprotein 32 family member A	IPI00025849	28,568.10	238	249	KREPEDEGEDDD	R	-	1,441.58
1247	NP cDNA FLJ25678 fis, clone TST04067, highly similar to PURINE NUCLEOSIDE PHOSPHORYLASE	IPI00017672,IPI00871140	32,533.50	239	248	VFGFSLITNK	R	V	1,133.64
1248	NP cDNA FLJ25678 fis, clone TST04067, highly similar to PURINE NUCLEOSIDE PHOSPHORYLASE	IPI00017672,IPI00871140	32,533.50	239	248	VFGFSLITNK	R	V	1,133.64
1249	NPM1 Isoform 1 of Nucleophosmin	IPI00549248	32,557.40	240	248	GPSSVEDIK	K	A	939.4874
1250	NPM1 Isoform 1 of Nucleophosmin	IPI00549248	32,557.40	240	248	GPSSVEDIK	K	A	939.4874
1251	NUDC Nuclear migration protein nudC	IPI00550746	38,225.70	240	247	VVTVHLEK	K	I	932.5655
1252	NPM1 Isoform 1 of Nucleophosmin	IPI00549248	32,557.40	240	250	GPSSVEDIKAK	K	M	1,146.63
1253	NPM1 Isoform 1 of Nucleophosmin	IPI00549248	32,557.40	240	250	GPSSVEDIKAK	K	M	1,146.63
1254	NPM1 Isoform 1 of Nucleophosmin	IPI00549248	32,557.40	240	250	GPSSVEDIKAK	K	M	1,146.63
1255	TKT cDNA FLJ54957, highly similar to Transketolase	IPI00643920	68,725.40	241	249	HQPTAIAK	K	T	986.5874
1256	TKT cDNA FLJ54957, highly similar to Transketolase	IPI00643920	68,725.40	241	249	HQPTAIAK	K	T	986.5874
1257	GNB2L1 38 kDa protein	IPI00641950,IPI00848226	37,740.10	242	254	DGQAMLWDLNEGK	K	H	1,500.69
1258	GNB2L1 38 kDa protein	IPI00641950,IPI00848226	37,740.10	242	254	DGQAMLWDLNEGK	K	H	1,500.69
1259	PSMA1 Isoform Short of Proteasome subunit alpha type-1	IPI00016832,IPI00472442	29,538.00	244	263	AQAQPADEPAEKADPEMEH	K	-	2,184.96
1260	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	244	256	IYGGSVTGATCK	R	E	1,334.69
1261	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	244	256	IYGGSVTGATCK	R	E	1,334.69
1262	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	244	256	IYGGSVTGATCK	R	E	1,334.69
1263	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	244	256	IYGGSVTGATCK	R	E	1,334.69
1264	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	244	256	IYGGSVTGATCK	R	E	1,334.69
1265	NUP43 cDNA FLJ38675 fis, clone IMR322000243, highly similar to Nucleoporin Nup43	IPI00171664,IPI00742943	48,466.40	244	257	TPEILTVNSIGQLK	R	I	1,520.88
1266	TALDO1 Transaldolase	IPI00744692	37,523.70	246	258	ALAGCDFLTISPK	K	L	1,400.73
1267	TALDO1 Transaldolase	IPI00744692	37,523.70	246	258	ALAGCDFLTISPK	K	L	1,400.73
1268	TALDO1 Transaldolase	IPI00744692	37,523.70	246	258	ALAGCDFLTISPK	K	L	1,400.73
1269	CCT4 T-complex protein 1 subunit delta	IPI00302927,IPI00873222	57,907.90	246	257	IGLIQFCLSAPK	K	T	1,354.76
1270	PDLIM1 PDZ and LIM domain protein 1	IPI00010414	36,053.30	247	256	VAASIGNAQK	K	L	966.5458
1271	PDLIM1 PDZ and LIM domain protein 1	IPI00010414	36,053.30	247	256	VAASIGNAQK	K	L	966.5458
1272	EEF1A2 Elongation factor 1-alpha 2	IPI00014424	50,452.60	248	255	LPLQDVYK	R	I	983.5653
1273	EEF1A1 Elongation factor 1-alpha 1	IPI00396485,IPI00472724	50,123.20	248	255	LPLQDVYK	R	I	983.5653
1274	G3BP1 Ras GTPase-activating protein-binding protein 1	IPI00012442	52,144.80	248	257	TFSWASVTSK	R	N	1,121.57
1275	PCNA Proliferating cell nuclear antigen	IPI00021700	28,751.30	249	261	YYLAPKIEDEEGS	K	-	1,521.72
1276	TUBB2B Tubulin beta-2B chain	IPI00031370	49,935.10	252	262	KLAVNMVFPFR	R	L	1,279.74
1277	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	252	262	KLAVNMVFPFR	R	L	1,279.74
1278	TUBB Tubulin beta chain	IPI00011654	49,652.60	252	262	KLAVNMVFPFR	R	L	1,279.74
1279	TUBB2B Tubulin beta-2B chain	IPI00031370	49,935.10	252	262	KLAVNMVFPFR	R	L	1,295.74
1280	TUBB Tubulin beta chain	IPI00011654	49,652.60	252	262	KLAVNMVFPFR	R	L	1,295.74
1281	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	252	262	KLAVNMVFPFR	R	L	1,295.74
1282	TCEA1 Isoform 1 of Transcription elongation factor A protein 1	IPI00333215	33,952.60	253	265	TGGTQTDLFTCGK	K	C	1,393.65
1283	TCEA1 Isoform 1 of Transcription elongation factor A protein 1	IPI00333215	33,952.60	253	265	TGGTQTDLFTCGK	K	C	1,393.65

1284	AASDHPPT L-aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase	IPI00250297	35,759.10	253	267	HQDVPSQDDSKPTQR	R	Q	1,745.83
1285	AASDHPPT L-aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase	IPI00250297	35,759.10	253	267	HQDVPSQDDSKPTQR	R	Q	1,745.83
1286	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	254	262	SGKYDLDFK	R	S	1,088.56
1287	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	254	262	SGKYDLDFK	R	S	1,088.56
1288	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	254	269	SGKYDLDFKSPDDPSR	R	Y	1,842.88
1289	DDX17 DEAD box polypeptide 17 isoform 1	IPI00023785,IPI00651653,IPI00651677,IPI00889541	80,256.00	255	269	ELAQQVQQVADDYGK	R	C	1,699.84
1290	NUDC Nuclear migration protein nudC	IPI00550746	38,225.70	257	267	LVSSDPEINTK	R	K	1,210.64
1291	NUDC Nuclear migration protein nudC	IPI00550746	38,225.70	257	267	LVSSDPEINTK	R	K	1,210.64
1292	TALDO1 Transaldolase	IPI00744692	37,523.70	259	269	LLGELLQDNAK	K	L	1,221.69
1293	TALDO1 Transaldolase	IPI00744692	37,523.70	259	269	LLGELLQDNAK	K	L	1,221.69
1294	NP cDNA FLJ25678 fis, clone TST04067, highly similar to PURINE NUCLEOSIDE PHOSPHORYLASE	IPI00017672,IPI00871140	32,533.50	259	269	ANHEEVLAAGK	K	Q	1,146.60
1295	NP cDNA FLJ25678 fis, clone TST04067, highly similar to PURINE NUCLEOSIDE PHOSPHORYLASE	IPI00017672,IPI00871140	32,533.50	259	269	ANHEEVLAAGK	K	Q	1,146.60
1296	CDC2 Putative uncharacterized protein DKFZp686L20222	IPI00026689,IPI00908424	34,762.10	261	272	NLDENGLDLSK	K	M	1,338.70
1297	CDC2 Putative uncharacterized protein DKFZp686L20222	IPI00026689,IPI00908424	34,762.10	261	272	NLDENGLDLSK	K	M	1,338.70
1298	CDC2 Putative uncharacterized protein DKFZp686L20222	IPI00026689,IPI00908424	34,762.10	261	272	NLDENGLDLSK	K	M	1,338.70
1299	CDC2 Putative uncharacterized protein DKFZp686L20222	IPI00026689,IPI00908424	34,762.10	261	272	NLDENGLDLSK	K	M	1,338.70
1300	(Bos taurus) similar to alpha-tubulin I isoform 1	CON_00700865,IPI00387144,IPI00792677	50,133.70	265	280	IHFPLATYAPVISA EK	R	A	1,764.98
1301	SF3A3 Splicing factor 3A subunit 3	IPI00029764,IPI00908449	58,833.30	265	273	SALLALGLK	K	C	893.5911
1302	PRKAR1A cAMP-dependent protein kinase type I-alpha regulatory subunit	IPI00021831	42,964.40	265	281	LTVADALEPVQFEDGQK	R	I	1,867.95
1303	TCP1 T-complex protein 1 subunit alpha	IPI00290566	60,327.20	267	274	ESDITKER	R	I	985.5041
1304	EEF1A1 Elongation factor 1-alpha 1	IPI00396485,IPI00472724	50,123.20	267	290	TEVK VETGVLKPGMVVTFAPVNVT	R	S	2,531.41
1305	EEF1A1 Elongation factor 1-alpha 1	IPI00396485,IPI00472724	50,123.20	267	290	TEVK VETGVLKPGMVVTFAPVNVT	R	S	2,547.41
1306	RPLP0 60S acidic ribosomal protein P0	IPI00008530	34,256.30	267	297	TEVK AFLADPSAFVAAAPVAAATTA	K	V	2,760.48
1307	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	270	281	APAAAAAPAK YISPDQLADLYK	R	S	1,433.74
1308	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	270	281	YISPDQLADLYK	R	S	1,433.74
1309	DDX17 DEAD box polypeptide 17 isoform 1	IPI00023785,IPI00651653,IPI00651677,IPI00889541	80,256.00	275	284	STCIYGGAPK	K	G	1,061.52
1310	GNB2L1 38 kDa protein	IPI00641950,IPI00848226	37,740.10	275	286	YWLCAATGPSIK	R	I	1,374.70
1311	GNB2L1 38 kDa protein	IPI00641950,IPI00848226	37,740.10	275	286	YWLCAATGPSIK	R	I	1,374.70
1312	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	276	284	YIDQEELNK	K	T	1,159.57
1313	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	276	284	YIDQEELNK	K	T	1,159.57
1314	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	276	284	YIDQEELNK	K	T	1,159.57
1315	TALDO1 Transaldolase	IPI00744692	37,523.70	278	286	AAQASDLEK	K	I	940.4826
1316	TUBB Tubulin beta chain	IPI00011654	49,652.60	283	297	ALTVP ELTQQVFDAK	R	N	1,667.91
1317	TUBB2B Tubulin beta-2B chain	IPI00031370	49,935.10	283	297	ALTVP ELTQQMFDSK	R	N	1,715.88
1318	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	283	297	ALTVP ELTQQMFDAK	R	N	1,715.88
1319	TUBB Tubulin beta chain	IPI00011654	49,652.60	283	297	ALTVP ELTQQVFDAK	R	N	1,667.91
1320	TUBB2B Tubulin beta-2B chain	IPI00031370	49,935.10	283	297	ALTVP ELTQQMFDSK	R	N	1,731.87
1321	TUBB Tubulin beta chain	IPI00011654	49,652.60	283	297	ALTVP ELTQQVFDAK	R	N	1,667.91
1322	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	283	297	ALTVP ELTQQMFDAK	R	N	1,715.88
1323	DNAJA1 DnaJ homolog subfamily A member 1	IPI00012535	44,850.60	284	296	TIVITSHPGQIVK	R	H	1,400.84
1324	CAPZB Isoform 1 of F-actin-capping protein subunit beta	IPI00026185,IPI00218782,IPI00641107,IPI00642256	37,465.40	289	298	STLNEIFYGK	R	T	1,179.61
1325	RARS Isoform Complexed of Arginyl-tRNA synthetase. cytoplasmic	IPI00004860	75,364.00	290	300	AYQCVVLLQGK	R	N	1,286.70

1326	RARS Isoform Complexed of Arginyl-tRNA synthetase, cytoplasmic	IPI00004860	75,364.00	290	300	AYQCVLLQ GK	R	N	1,286.70
1327	SF3A3 Splicing factor 3A subunit 3	IPI00029764,IPI00908449	58,833.30	292	303	SLESLDTSLFAK	K	N	1,318.70
1328	SF3A3 Splicing factor 3A subunit 3	IPI00029764,IPI00908449	58,833.30	292	303	SLESLDTSLFAK	K	N	1,318.70
1329	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	292	306	NPDDITQEEYGEFYK	R	S	1,855.81
1330	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	292	306	NPDDITQEEYGEFYK	R	S	1,855.81
1331	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	292	306	NPDDITQEEYGEFYK	R	S	1,855.81
1332	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	292	306	NPDDITQEEYGEFYK	R	S	1,855.81
1333	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	292	306	NPDDITQEEYGEFYK	R	S	1,855.81
1334	ACTR1A Alpha-centractin	IPI00029468,IPI00908883	42,597.20	293	308	TLFSNIVLSGGSTLFLK	R	G	1,691.95
1335	GNB2L1 38 kDa protein	IPI00641950,IPI00848226	37,740.10	294	309	IIVDELKQEVISTSSK	K	A	1,805.02
1336	GNB2L1 38 kDa protein	IPI00641950,IPI00848226	37,740.10	294	309	IIVDELKQEVISTSSK	K	A	1,805.02
1337	GNB2L1 38 kDa protein	IPI00641950,IPI00848226	37,740.10	294	309	IIVDELKQEVISTSSK	K	A	1,805.02
1338	UNG Isoform 2 of Uracil-DNA glycosylase	IPI00011069	34,627.40	296	302	TNELLQK	K	S	853.487
1339	TARS Threonyl-tRNA synthetase, cytoplasmic	IPI00329633,IPI00908949	83,419.80	297	306	YIGSIFPDPK	R	M	1,144.61
1340	TARS Threonyl-tRNA synthetase, cytoplasmic	IPI00329633,IPI00908949	83,419.80	297	306	YIGSIFPDPK	R	M	1,144.61
1341	SFPQ Isoform Long of Splicing factor, proline- and glutamine-rich	IPI00010740	76,131.50	299	315	LFVGNLPADITEDEFKR	R	L	1,972.03
1342	BZW1 Isoform 2 of Basic leucine zipper and W2 domain-containing protein 1	IPI00180128,IPI00785096,IPI00916112,IPI00916503,IPI00918019	40,522.00	303	313	AEVLSEEPILK	K	W	1,235.70
1343	PSMD13 proteasome 26S non-ATPase subunit 13 isoform 2	IPI00375380,IPI00549672	42,924.90	304	315	ITVNEVELLMVK	K	A	1,411.80
1344	PSMD13 proteasome 26S non-ATPase subunit 13 isoform 2	IPI00375380,IPI00549672	42,924.90	304	315	ITVNEVELLMVK	K	A	1,411.80
1345	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	307	319	SLTNDWEDHLAVK	K	H	1,535.76
1346	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	307	319	SLTNDWEDHLAVK	K	H	1,535.76
1347	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	307	326	FTASAGIQVVGDDLTVTNPK	K	R	2,041.07
1348	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	308	323	VILHLKEDQTEYLEER	K	R	2,023.06
1349	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	308	323	VILHLKEDQTEYLEER	K	R	2,023.06
1350	PABPC1 Isoform 1 of Polyadenylate-binding protein 1	IPI00008524	70,653.30	313	324	EFSPFGTITSAK	K	V	1,292.66
1351	PABPC4 Isoform 1 of Polyadenylate-binding protein 4	IPI00012726,IPI00555747,IPI00642904,IPI00642944	70,765.80	313	324	EFSPFGSITSAK	K	V	1,278.65
1352	EIF2S2 Eukaryotic translation initiation factor 2 subunit 2	IPI00021728	38,371.70	316	324	TGFQAVTQK	K	R	916.4979
1353	XRCC5 ATP-dependent DNA helicase 2 subunit 2	IPI00220834,IPI00871391	82,689.10	316	325	YGSDIVPFSK	R	V	1,120.58
1354	SSB Lupus La protein	IPI00009032,IPI00916802	46,821.00	318	328	IIEDQQESLNK	K	W	1,324.68
1355	SSB Lupus La protein	IPI00009032,IPI00916802	46,821.00	318	328	IIEDQQESLNK	K	W	1,324.68
1356	TKT cDNA FLJ54957, highly similar to Transketolase	IPI00643920	68,725.40	319	326	VGDKIATR	K	K	867.5139
1357	SFPQ Isoform Long of Splicing factor, proline- and glutamine-rich	IPI00010740	76,131.50	320	330	YGEPGEVFINK	K	G	1,260.64
1358	TUBB2B Tubulin beta-2B chain	IPI00031370	49,935.10	321	336	MSMKEVDEQMLNVQNK	R	N	1,987.91
1359	TUBB Tubulin beta chain	IPI00011654	49,652.60	321	336	MSMKEVDEQMLNVQNK	R	N	1,987.91
1360	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	321	336	MSMKEVDEQMLNVQNK	R	N	1,987.91
1361	ALDOA Fructose-bisphosphate aldolase A	IPI00465439,IPI00796333	39,402.60	323	331	AAQEYVKR	K	A	1,101.58
1362	GAPDH Glycerinaldehyde-3-phosphate dehydrogenase	IPI00219018	36,035.30	324	335	VVDLMAHMASKE	R	-	1,370.65
1363	TUBB2B Tubulin beta-2B chain	IPI00031370	49,935.10	325	336	EVDEQMLNVQNK	K	N	1,470.70
1364	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	325	336	EVDEQMLNVQNK	K	N	1,470.70
1365	TUBB Tubulin beta chain	IPI00011654	49,652.60	325	336	EVDEQMLNVQNK	K	N	1,470.70
1366	TUBB2B Tubulin beta-2B chain	IPI00031370	49,935.10	325	336	EVDEQMLNVQNK	K	N	1,470.70
1367	TUBB Tubulin beta chain	IPI00011654	49,652.60	325	336	EVDEQMLNVQNK	K	N	1,470.70
1368	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	325	336	EVDEQMLNVQNK	K	N	1,470.70
1369	NONO Non-POU domain-containing octamer-binding protein	IPI00304596	54,213.60	325	336	RMEELHNQEVQK	R	R	1,564.76

1370	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	70,881.80	326	342	LDKSQIHDIVLVGGSTR	K	I	1,846.03
1371	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	70,881.80	326	342	LDKSQIHDIVLVGGSTR	K	I	1,846.03
1372	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	327	347	VTGEADVFEFATHEDAVAAMS K	R	D	2,202.01
1373	(Bos taurus) similar to alpha-tubulin I isoform 1	CON_00700865,IPI00387144,IPI00792677	50,133.70	327	336	DVNAAIATIK	K	T	1,023.59
1374	(Bos taurus) similar to alpha-tubulin I isoform 1	CON_00700865,IPI00387144,IPI00792677	50,133.70	327	336	DVNAAIATIK	K	T	1,023.59
1375	(Bos taurus) similar to alpha-tubulin I isoform 1	CON_00700865,IPI00387144,IPI00792677	50,133.70	327	336	DVNAAIATIK	K	T	1,023.59
1376	FKBP4 FK506-binding protein 4	IPI00219005	51,787.90	332	344	LQAFSAAIESCNK	K	A	1,446.71
1377	FKBP4 FK506-binding protein 4	IPI00219005	51,787.90	332	344	LQAFSAAIESCNK	K	A	1,446.71
1378	FKBP4 FK506-binding protein 4	IPI00219005	51,787.90	332	344	LQAFSAAIESCNK	K	A	1,446.71
1379	ALDOA Fructose-bisphosphate aldolase A	IPI00465439,IPI00796333	39,402.60	332	342	ALANSLACQGK	R	Y	1,140.59
1380	PABPC1 Isoform 1 of Polyadenylate-binding protein 1	IPI00008524	70,653.30	334	348	GFGFVCFSSPEEATK	K	A	1,670.76
1381	PABPC1 Isoform 1 of Polyadenylate-binding protein 1	IPI00008524	70,653.30	334	348	GFGFVCFSSPEEATK	K	A	1,670.76
1382	PABPC1 Isoform 1 of Polyadenylate-binding protein 1	IPI00008524	70,653.30	334	348	GFGFVCFSSPEEATK	K	A	1,670.76
1383	PABPC1 Isoform 1 of Polyadenylate-binding protein 1	IPI00008524	70,653.30	334	348	GFGFVCFSSPEEATK	K	A	1,670.76
1384	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	336	343	SCNCLLLK	K	V	1,015.52
1385	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	336	343	SCNCLLLK	K	V	1,015.52
1386	PLS3 plastin 3	IPI00216694	70,795.90	337	346	AESMLQQADK	R	L	1,144.54
1387	PLS3 plastin 3	IPI00216694	70,795.90	337	346	AESMLQQADK	R	L	1,144.54
1388	HNRNPA1 Isoform A1-B of Heterogeneous nuclear ribonucleoprotein A1	IPI00215965,IPI00465365	38,828.10	337	352	SSGPYGGGGQYFAKPR	R	N	1,636.80
1389	HNRNPA1 Isoform A1-B of Heterogeneous nuclear ribonucleoprotein A1	IPI00215965,IPI00465365	38,828.10	337	352	SSGPYGGGGQYFAKPR	R	N	1,636.80
1390	HNRNPA1 Isoform A1-B of Heterogeneous nuclear ribonucleoprotein A1	IPI00215965,IPI00465365	38,828.10	337	352	SSGPYGGGGQYFAKPR	R	N	1,636.80
1391	TUBB Tubulin beta chain	IPI00011654	49,652.60	337	350	NSSYFVEWIPNNVK	K	T	1,704.85
1392	TUBB2B Tubulin beta-2B chain	IPI00031370	49,935.10	337	350	NSSYFVEWIPNNVK	K	T	1,704.85
1393	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	337	350	NSSYFVEWIPNNVK	K	T	1,704.85
1394	TUBB Tubulin beta chain	IPI00011654	49,652.60	337	350	NSSYFVEWIPNNVK	K	T	1,704.85
1395	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	339	347	APFDLDFENK	R	K	1,088.55
1396	COPG2 Coatomer subunit gamma-2	IPI00002557	97,606.50	339	350	SIATLAIITLLK	R	T	1,252.80
1397	(Bos taurus) similar to alpha-tubulin I isoform 1	CON_00700865,IPI00387144,IPI00792677	50,133.70	340	352	SIQFVDWCPTGFK	R	V	1,592.77
1398	(Bos taurus) similar to alpha-tubulin I isoform 1	CON_00700865,IPI00387144,IPI00792677	50,133.70	340	352	SIQFVDWCPTGFK	R	V	1,592.77
1399	PSMD13 proteasome 26S non-ATPase subunit 13 isoform 2	IPI00375380,IPI00549672	42,924.90	342	349	VLDLQQIK	R	G	964.5919
1400	SFPQ Isoform Long of Splicing factor, proline- and glutamine-rich	IPI00010740	76,131.50	343	349	ALAEIAK	R	A	723.4491
1401	LAP3 Isoform 1 of Cytosol aminopeptidase	IPI00419237,IPI00789806,IPI00910169	56,149.70	343	351	ANKPGDVVR	K	A	963.5462
1402	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	344	358	VNQIGSVTESLQACK	K	L	1,641.84
1403	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	344	358	VNQIGSVTESLQACK	K	L	1,641.84
1404	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	344	358	VNQIGSVTESLQACK	K	L	1,641.84
1405	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	344	358	VNQIGSVTESLQACK	K	L	1,641.84
1406	MAT2A S-adenosylmethionine synthetase isoform type-2	IPI00010157	43,642.80	344	351	ELLEIVKK	R	N	987.6421
1407	FKBP4 FK506-binding protein 4	IPI00219005	51,787.90	345	354	ALELDSNNEK	K	G	1,140.56
1408	FKBP4 FK506-binding protein 4	IPI00219005	51,787.90	345	354	ALELDSNNEK	K	G	1,140.56
1409	STIP1 Stress-induced-phosphoprotein 1	IPI00013894,IPI00871856	62,624.10	345	351	ILKEQER	K	L	923.5401
1410	HNRNPR Heterogeneous nuclear ribonucleoprotein R	IPI00012074,IPI00644055,IPI00856037,IPI00910614	70,925.80	347	359	NLATTVTEEILEK	R	S	1,468.80
1411	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	70,881.80	349	357	LLQDFFNGK	K	E	1,089.58
1412	ACSL3 Long-chain-fatty-acid--CoA ligase 3	IPI00031397	80,405.10	349	363	IGYSSPQTLDQSSK	R	I	1,589.79
1413	PLS3 plastin 3	IPI00216694	70,795.90	351	364	QFVTPADVVSIGNPK	R	L	1,466.77

1414	PLS3 plastin 3	IPI00216694	70,795.90	351	364	QFVTPADVVSIGNPK	R	L	1,466.77
1415	STIP1 Stress-induced-phosphoprotein 1	IPI00013894,IPI00871856	62,624.10	352	364	LAYINPDLALEEK	R	N	1,496.81
1416	(Bos taurus) similar to alpha-tubulin I isoform 1	CON_00700865,IPI00387144,IPI00792677	50,133.70	353	370	VGINYQPPTVVPGGDLAK	K	V	1,833.00
1417	PABPC1 Isoform 1 of Polyadenylate-binding protein 1	IPI00008524	70,653.30	357	370	IVATKPLYVALAQR	R	K	1,550.95
1418	PABPC1 Isoform 1 of Polyadenylate-binding protein 1	IPI00008524	70,653.30	357	370	IVATKPLYVALAQR	R	K	1,550.95
1419	RCC1 regulator of chromosome condensation 1 isoform a	IPI00001661,IPI00747309,IPI00787306	48,126.30	357	366	LGLGEGAEK	R	S	1,010.52
1420	GLUL Glutamine synthetase	IPI00010130	42,046.90	358	373	TCLLNETGDEPFQYKN	R	-	1,936.88
1421	CCT7 T-complex protein 1 subunit eta	IPI00018465	59,349.80	358	366	YNFFTGCPC	R	A	1,141.52
1422	RRM2 Ribonucleoside-diphosphate reductase M2 subunit	IPI00011118	51,076.50	359	371	IEQEFLTEALPVK	R	L	1,524.84
1423	TUBB Tubulin beta chain	IPI00011654	49,652.60	363	379	MAVTFIGNSTAIQELFK	K	R	1,893.99
1424	TUBB2B Tubulin beta-2B chain	IPI00031370	49,935.10	363	379	MSATFIGNSTAIQELFK	K	R	1,881.95
1425	TUBB Tubulin beta chain	IPI00011654	49,652.60	363	379	MAVTFIGNSTAIQELFK	K	R	1,893.99
1426	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	363	379	MSATFIGNSTAIQELFK	K	R	1,881.95
1427	RARS Isoform Complexed of Arginyl-tRNA synthetase, cytoplasmic	IPI00004860	75,364.00	363	377	IVFVPGCSIPLTIVK	K	S	1,650.97
1428	STIP1 Stress-induced-phosphoprotein 1	IPI00013894,IPI00871856	62,624.10	365	373	NKGNECFQK	K	G	1,140.54
1429	PSMD6 26S proteasome non-ATPase regulatory subunit 6	IPI00014151,IPI00794383	45,515.40	372	379	KGDLNLR	K	V	936.5718
1430	RCC1 regulator of chromosome condensation 1 isoform a	IPI00001661,IPI00747309,IPI00787306	48,126.30	375	393	LPVSSVACGASVGYAVTK	R	D	1,844.97
1431	PSMD3 26S proteasome non-ATPase regulatory subunit 3	IPI00011603	60,961.60	375	385	FNQVLDQFGEK	K	F	1,332.67
1432	PSMD3 26S proteasome non-ATPase regulatory subunit 3	IPI00011603	60,961.60	375	385	FNQVLDQFGEK	K	F	1,332.67
1433	HSPA4 Heat shock 70 kDa protein 4	IPI00002966	94,313.90	375	388	GCALQCAILSPAFK	R	V	1,543.79
1434	G3BP1 Ras GTPase-activating protein-binding protein 1	IPI00012442	52,144.80	377	393	LPNFGFVVFDDSEPVQK	K	V	1,945.98
1435	G3BP1 Ras GTPase-activating protein-binding protein 1	IPI00012442	52,144.80	377	393	LPNFGFVVFDDSEPVQK	K	V	1,945.98
1436	RARS Isoform Complexed of Arginyl-tRNA synthetase, cytoplasmic	IPI00004860	75,364.00	378	393	SDGGYTYDTSDLAAIK	K	Q	1,684.78
1437	RUVBL1 Isoform 1 of RuvB-like 1	IPI00021187	50,211.40	379	400	AQTEGINISEEALNHLGEIGTK	R	T	2,332.19
1438	STIP1 Stress-induced-phosphoprotein 1	IPI00013894,IPI00871856	62,624.10	382	389	HYTEAIKR	K	N	1,025.56
1439	STIP1 Stress-induced-phosphoprotein 1	IPI00013894,IPI00871856	62,624.10	382	389	HYTEAIKR	K	N	1,025.56
1440	STIP1 Stress-induced-phosphoprotein 1	IPI00013894,IPI00871856	62,624.10	382	389	HYTEAIKR	K	N	1,025.56
1441	CMAS Isoform 1 of N-acetylneuraminatase	IPI00303158	48,361.60	384	399	VGLSGAPADACSTAQK	R	A	1,540.75
1442	GDI2 cDNA FLJ60299, highly similar to Rab GDP dissociation inhibitor beta	IPI00031461	51,138.50	384	394	FVSISDLLVPK	K	D	1,225.73
1443	GDI2 cDNA FLJ60299, highly similar to Rab GDP dissociation inhibitor beta	IPI00031461	51,138.50	384	394	FVSISDLLVPK	K	D	1,225.73
1444	GDI2 cDNA FLJ60299, highly similar to Rab GDP dissociation inhibitor beta	IPI00031461	51,138.50	384	394	FVSISDLLVPK	K	D	1,225.73
1445	SSB Lupus La protein	IPI00009032,IPI00916802	46,821.00	385	397	AREETDKEEPASK	R	Q	1,505.74
1446	SSB Lupus La protein	IPI00009032,IPI00916802	46,821.00	385	397	AREETDKEEPASK	R	Q	1,505.74
1447	EEF1A1 Elongation factor 1-alpha 1	IPI00396485,IPI00472724	50,123.20	386	392	KLEDGPK	K	F	802.4642
1448	PSAT1 cDNA FLJ56437, highly similar to Phosphoserine aminotransferase	IPI00001734	45,338.10	388	401	ASLYNAVITIEDVQK	R	L	1,558.82
1449	PSAT1 cDNA FLJ56437, highly similar to Phosphoserine aminotransferase	IPI00001734	45,338.10	388	401	ASLYNAVITIEDVQK	R	L	1,558.82
1450	(Bos taurus) similar to alpha-tubulin I isoform 1	CON_00700865,IPI00387144,IPI00792677	50,133.70	391	401	LDHKFDLMYAK	R	R	1,396.73
1451	TCP1 T-complex protein 1 subunit alpha	IPI00290566	60,327.20	391	401	SLHDALCVVKR	R	V	1,305.72
1452	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	393	399	EMLQQSK	R	I	887.4384
1453	EEF1A1 Elongation factor 1-alpha 1	IPI00396485,IPI00472724	50,123.20	396	423	SGDAAIVDMVPGKPMCVESF	K	F	3,035.40
1454	FSCN1 Fascin	IPI00163187,IPI00747810	54,512.30	399	408	SDYPPLGR KVTGTLDANR	R	S	1,082.60

1455	HNRNPL Heterogeneous nuclear ribonucleoprotein L	IPI00027834	64,114.80	399	411	VFNVFLYGNVEK	R	V	1,596.80
1456	BAT1 Isoform 2 of Spliceosome RNA helicase BAT1	IPI00641829,IPI00792043,IPI00848161,IPI00893580	50,662.10	400	413	GLAITFVSDENDAK	K	I	1,487.75
1457	RUVBL1 Isoform 1 of RuvB-like 1	IPI00021187	50,211.40	405	418	YSVQLLTPANLLAK	R	I	1,538.90
1458	HNRNPU Isoform Short of Heterogeneous nuclear ribonucleoprotein U	IPI00479217,IPI00640106,IPI00644079,IPI00644224,IPI00883857	88,962.30	405	414	NGQDLGVAFK	K	I	1,056.56
1459	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	406	414	YIDQEELNK	K	T	1,159.57
1460	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	406	414	YIDQEELNK	K	T	1,159.57
1461	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	406	414	YIDQEELNK	K	T	1,159.57
1462	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	413	420	IEEELGSK	R	A	912.4765
1463	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	413	420	IEEELGSK	R	A	912.4765
1464	SFPQ Isoform Long of Splicing factor, proline- and glutamine-rich	IPI00010740	76,131.50	414	425	GIVEFASKPAAR	K	K	1,253.71
1465	EEF2 Elongation factor 2	IPI00186290	95,322.10	416	426	VFSGLVSTGLK	R	V	1,115.66
1466	EEF2 Elongation factor 2	IPI00186290	95,322.10	416	426	VFSGLVSTGLK	R	V	1,115.66
1467	FKBP4 FK506-binding protein 4	IPI00219005	51,787.90	418	426	LAEEENKAK	R	A	1,047.57
1468	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	422	436	NPDDITNEEYGEFYK	R	S	1,841.80
1469	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	422	436	NPDDITNEEYGEFYK	R	S	1,841.80
1470	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	422	436	NPDDITNEEYGEFYK	R	S	1,841.80
1471	PSMD3 26S proteasome non-ATPase regulatory subunit 3	IPI00011603	60,961.60	426	440	LQLDSPEDAEIFIAK	K	A	1,682.87
1472	PSMD3 26S proteasome non-ATPase regulatory subunit 3	IPI00011603	60,961.60	426	440	LQLDSPEDAEIFIAK	K	A	1,682.87
1473	ATIC Bifunctional purine biosynthesis protein PURH	IPI00289499	64,598.50	427	437	YTQNSVCYAK	K	N	1,328.60
1474	EEF1A1 Elongation factor 1-alpha 1	IPI00396485,IPI00472724	50,123.20	431	439	QTVAVGVIIK	R	A	922.5812
1475	EEF1A1 Elongation factor 1-alpha 1	IPI00396485,IPI00472724	50,123.20	431	439	QTVAVGVIIK	R	A	922.5812
1476	EEF1A2 Elongation factor 1-alpha 2	IPI00014424	50,452.60	431	439	QTVAVGVIIK	R	N	922.5812
1477	PLS3 plastin 3	IPI00216694	70,795.90	436	444	IKVPVDWSK	R	V	1,087.65
1478	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	437	449	SLTNDWEDHLAVK	K	H	1,535.76
1479	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	437	449	SLTNDWEDHLAVK	K	H	1,535.76
1480	ATP2A2 Isoform SERCA2A of Sarcoplasmic/endoplasmic reticulum calcium ATPase 2	IPI00177817,IPI00219078,IPI00747443	109,674.90	437	451	VGEATETALTCLVEK	K	M	1,628.83
1481	ATP2A2 Isoform SERCA2A of Sarcoplasmic/endoplasmic reticulum calcium ATPase 2	IPI00177817,IPI00219078,IPI00747443	109,674.90	437	451	VGEATETALTCLVEK	K	M	1,628.83
1482	ACTN4 Alpha-actinin-4	IPI00013808	104,839.20	438	450	HRDYETATLSDIK	K	A	1,556.78
1483	TCP1 T-complex protein 1 subunit alpha	IPI00290566	60,327.20	444	466	LLLVIPNTLAVNAAQDSTDLVA	R	L	2,361.31
1484	ATP1A1 Isoform Long of Sodium/potassium-transporting ATPase subunit alpha-1	IPI00006482,IPI00646182	112,881.50	446	458	AVAGDASESALLK	R	C	1,239.67
1485	TKT cDNA FLJ54957, highly similar to Transketolase	IPI00643920	68,725.40	447	464	SVPTSTVFYPSDGVATEK	R	A	1,892.94
1486	TKT cDNA FLJ54957, highly similar to Transketolase	IPI00643920	68,725.40	447	464	SVPTSTVFYPSDGVATEK	R	A	1,892.94
1487	TKT cDNA FLJ54957, highly similar to Transketolase	IPI00643920	68,725.40	447	464	SVPTSTVFYPSDGVATEK	R	A	1,892.94
1488	IGF2BP1 Insulin-like growth factor 2 mRNA-binding protein 1	IPI00008557	63,438.30	453	465	MVIITGPPEAQFK	R	A	1,454.78
1489	STIP1 Stress-induced-phosphoprotein 1	IPI00013894,IPI00871856	62,624.10	454	470	ALDLDSCKEADGYQR	K	C	1,906.87
1490	TKT cDNA FLJ54957, highly similar to Transketolase	IPI00643920	68,725.40	465	473	AVELAANTK	K	G	924.524
1491	STIP1 Stress-induced-phosphoprotein 1	IPI00013894,IPI00871856	62,624.10	479	486	HDSPEDVK	R	R	934.4357

1492	TKT cDNA FLJ54957, highly similar to Transketolase	IPI00643920	68,725.40	480	501	TSRPENAIYNNNEDFQVGQA R	V	2,516.23
1493	TKT cDNA FLJ54957, highly similar to Transketolase	IPI00643920	68,725.40	480	501	TSRPENAIYNNNEDFQVGQA R	V	2,516.23
1494	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	482	491	SIYYITGESK K	E	1,168.60
1495	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	482	502	SIYYITGESKEQVANSFVER K	V	2,399.20
1496	GARS Glycyl-tRNA synthetase	IPI00783097,IPI00915808	83,123.50	491	501	TVNVVQFEPK K	G	1,255.68
1497	GARS Glycyl-tRNA synthetase	IPI00783097,IPI00915808	83,123.50	491	501	TVNVVQFEPK K	G	1,255.68
1498	SLC1A5 Neutral amino acid transporter B(0)	IPI00019472	56,581.80	493	502	STEPELIQVK R	S	1,151.64
1499	ACSL3 Long-chain-fatty-acid--CoA ligase 3	IPI00031397	80,405.10	497	507	VGAPLVCCEIK R	L	1,253.65
1500	ACSL3 Long-chain-fatty-acid--CoA ligase 3	IPI00031397	80,405.10	497	507	VGAPLVCCEIK R	L	1,253.65
1501	YARS Tyrosyl-tRNA synthetase, cytoplasmic	IPI00007074	59,127.10	497	506	ISEECIAQWK K	Q	1,271.62
1502	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	70,881.80	501	509	ITITNDKGR K	L	1,025.58
1503	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	501	509	ITITNDKGR K	L	1,025.58
1504	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	70,881.80	501	509	ITITNDKGR K	L	1,025.58
1505	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	501	509	ITITNDKGR K	L	1,025.58
1506	SLC1A5 Neutral amino acid transporter B(0)	IPI00019472	56,581.80	503	522	SELPLDPLPVPTEEGNPLLK K	H	2,166.18
1507	SLC1A5 Neutral amino acid transporter B(0)	IPI00019472	56,581.80	503	522	SELPLDPLPVPTEEGNPLLK K	H	2,166.18
1508	PLS3 plastin 3	IPI00216694	70,795.90	505	518	YTLNVLEDLGDGQK R	A	1,572.80
1509	PLS3 plastin 3	IPI00216694	70,795.90	505	518	YTLNVLEDLGDGQK R	A	1,572.80
1510	TARS Threonyl-tRNA synthetase, cytoplasmic	IPI00329633,IPI00908949	83,419.80	505	517	FLGDIEVWDQAEK K	Q	1,557.77
1511	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	70,881.80	510	517	LSKEDIER R	M	997.5405
1512	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	70,881.80	510	517	LSKEDIER R	M	997.5405
1513	RARS Isoform Complexed of Arginyl-tRNA synthetase, cytoplasmic	IPI00004860	75,364.00	513	522	LNDYIFSFDK R	M	1,269.62
1514	SLC1A5 Neutral amino acid transporter B(0)	IPI00019472	56,581.80	523	541	HYRGPAGDATVASEKESVM K	-	2,028.95
1515	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	523	529	EMLQQSK R	I	887.4384
1516	SLC1A5 Neutral amino acid transporter B(0)	IPI00019472	56,581.80	526	541	GPAGDATVASEKESVM R	-	1,572.73
1517	SLC1A5 Neutral amino acid transporter B(0)	IPI00019472	56,581.80	526	541	GPAGDATVASEKESVM R	-	1,572.73
1518	IGF2BP1 Insulin-like growth factor 2 mRNA-binding protein 1	IPI00008557	63,438.30	526	538	DQTPDENDQVIVK R	I	1,508.73
1519	XRCC5 ATP-dependent DNA helicase 2 subunit 2	IPI00220834,IPI00871391	82,689.10	526	532	SQIPLSK K	I	780.4706
1520	KPNB1 Importin subunit beta-1	IPI00001639	97,153.30	526	537	SSAYESLMIEVK R	N	1,364.69
1521	JUP Junction plakoglobin	IPI00554711	81,727.90	527	533	LVQLLVK R	A	820.5747
1522	PLS3 plastin 3	IPI00216694	70,795.90	538	547	STSIQSFKDK K	T	1,156.62
1523	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	70,881.80	540	550	NSLESYAFNMK K	A	1,327.61
1524	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	70,881.80	540	550	NSLESYAFNMK K	A	1,311.61
1525	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	540	550	NALESYAFNMK K	S	1,311.61
1526	HNRNPL Heterogeneous nuclear ribonucleoprotein L	IPI00027834	64,114.80	542	552	SSSGLLEWESK R	S	1,230.61
1527	EEF2 Elongation factor 2	IPI00186290	95,322.10	581	594	ETVSEESNVLCLSK R	S	1,602.78
1528	EEF2 Elongation factor 2	IPI00186290	95,322.10	581	594	ETVSEESNVLCLSK R	S	1,602.78
1529	ILF3 Isoform 5 of Interleukin enhancer-binding factor 3	IPI00219330,IPI00298788,IPI00298789,IPI00414335,IPI00418313,IPI00556173	74,589.90	588	600	LFPDTPALDANK K	K	1,422.77
1530	MCM6 DNA replication licensing factor MCM6	IPI00031517	92,872.60	589	599	ESEDFIVEQYK K	H	1,394.66
1531	GARS Glycyl-tRNA synthetase	IPI00783097,IPI00915808	83,123.50	603	615	TFFSFPVAVPFK R	C	1,465.80
1532	TKT cDNA FLJ54957, highly similar to Transketolase	IPI00643920	68,725.40	603	611	SGKPAELLK R	M	958.5904
1533	TKT cDNA FLJ54957, highly similar to Transketolase	IPI00643920	68,725.40	603	611	SGKPAELLK R	M	958.5904
1534	TARS Threonyl-tRNA synthetase, cytoplasmic	IPI00329633,IPI00908949	83,419.80	620	636	QVMVVPVGPTCDEYAQK R	V	1,944.93
1535	AARS Alanyl-tRNA synthetase, cytoplasmic	IPI00027442,IPI00910701	106,795.20	665	677	AVYTQDCPLAAK K	A	1,415.71

1536	TNPO1 transportin 1 isoform 1	IPI00024364,IPI00419856,IPI00843876	102,340.80	693	704	QSSFALLGDLTK	R	A	1,287.70
1537	MCM6 DNA replication licensing factor MCM6	IPI00031517	92,872.60	733	745	KVEEEEDSALKR	R	S	1,577.80
1538	IPO7 Importin-7	IPI00007402	119,501.50	741	750	LLEVILQCK	K	G	1,236.75

Supplemental Dataset Table 4. Unmodified Peptides Identified Following An1-labeling and DIBAC-S-S-Biotin Enrichment

Legend:
N-terminal Peptide (amino acid start index = 1)
N-terminal Peptide (amino acid start index = 2)
Internal Peptide
C-terminal Peptide

	Protein name	Protein accession numbers	Protein molecular weight (Da)	Peptide start index	Peptide stop index	Peptide sequence	Previous amino acid	Next amino acid	Calculated +1H peptide mass (AMU)
1	TUBB Tubulin beta chain	IPI00011654	49,652.60	1	19	MREIVHIQAGQCGNQIGAK	-	F	2,126.06
2	TUBB2A Tubulin beta-2A chain	IPI00013475,IPI00031370	49,889.10	1	19	MREIVHIQAGQCGNQIGAK	-	F	2,126.06
3	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	1	19	MREIVHLQAGQCGNQIGAK	-	F	2,126.06
4	RAB1B Ras-related protein Rab-1B	IPI00008964,IPI00896425	22,154.00	1	10	MNPEYDYLFK	-	L	1,377.60
5	UBB;RPS27A;UBC ubiquitin and ribosomal protein S27a precursor	IPI00179330,IPI00456429,IPI00719280,IPI00743241,IPI00743650,IPI00744274,IPI00784990,IPI00789107,IPI00789823,IPI00790633,IPI00792712,IPI00793330,IPI00793729,IPI00793810,IPI00794211,IPI00794925,IPI00795527,IPI00796007,IPI00796600,IPI00797400,IPI00798127,IPI00798155	17,947.60	1	6	MQIFVK	-	T	765.4328
6	UBB;RPS27A;UBC ubiquitin and ribosomal protein S27a precursor	IPI00179330,IPI00456429,IPI00719280,IPI00743241,IPI00743650,IPI00744274,IPI00784990,IPI00789107,IPI00789823,IPI00790633,IPI00792712,IPI00793330,IPI00793729,IPI00793810,IPI00794211,IPI00794925,IPI00795527,IPI00796007,IPI00796600,IPI00797400,IPI00798127,IPI00798155	17,947.60	1	6	MQIFVK	-	T	765.4328
7	UBB;RPS27A;UBC ubiquitin and ribosomal protein S27a precursor	IPI00179330,IPI00456429,IPI00719280,IPI00743241,IPI00743650,IPI00744274,IPI00784990,IPI00789107,IPI00789823,IPI00790633,IPI00792712,IPI00793330,IPI00793729,IPI00793810,IPI00794211,IPI00794925,IPI00795527,IPI00796007,IPI00796600,IPI00797400,IPI00798127,IPI00798155	17,947.60	1	6	MQIFVK	-	T	765.4328
8	PSMD11 Proteasome 26S non-ATPase subunit 11 variant (Fragment)	IPI00105598	47,519.40	2	11	AAAAVVEFQR	M	A	1,103.58
9	PFKL Isoform 1 of 6-phosphofructokinase, liver type	IPI00332371,IPI00902982	85,001.20	2	10	AAVDLEKLR	M	A	1,056.60
10	CLIC1 Chloride intracellular channel protein 1	IPI00010896	26,905.30	2	13	AEEQPQVELFVK	M	A	1,458.75
11	EEF2 Elongation factor 2	IPI00186290	95,322.10	2	10	VNFTVDQIR	M	A	1,091.58
12	EEF2 Elongation factor 2	IPI00186290	95,322.10	2	10	VNFTVDQIR	M	A	1,091.58
13	EEF2 Elongation factor 2	IPI00186290	95,322.10	2	10	VNFTVDQIR	M	A	1,091.58
14	RUVBL2 RuvB-like 2	IPI00009104	51,140.10	2	14	ATVTATTKVPEIR	M	D	1,428.81
15	SLC25A5 ADP/ATP translocase 2	IPI00007188	32,878.50	2	10	TDAAVSFAK	M	D	951.4782
16	SNRPA1 U2 small nuclear ribonucleoprotein A'	IPI00297477	28,399.10	2	20	VKLTAELIEQAAQYTNVAVR	M	D	2,118.16
17	CALM1;CALM3;CALM2 Calmodulin	IPI00075248,IPI00386621,IPI00794543,IPI00916768	16,820.00	2	14	ADQLTEEQIAEFK	M	E	1,563.75
18	TAGLN2 Transgelin-2	IPI00550363	22,373.90	2	12	ANRGPAYGLSR	M	E	1,203.62
19	RPL11 Isoform 1 of 60S ribosomal protein L11	IPI00376798	20,235.20	2	13	AQDQGEKENPMR	M	E	1,444.65
20	STMN1 Stathmin	IPI00479997	17,285.00	2	9	ASSDIQVK	M	E	889.4626
21	CAMK2D Isoform Delta 6 of Calcium/calmodulin-dependent protein kinase type II delta chain RPSA 33 kDa protein	IPI00172636,IPI00430291,IPI00827573,IPI00827625,IPI00876923	54,111.10	2	9	ASTTTCTR	M	F	939.4201
22	MAPK1 Mitogen-activated protein kinase 1	IPI00413108,IPI00553164,IPI00793137,IPI00847766	33,295.50	2	17	SGALDVLQMKEEDVLK	M	F	1,816.94
23	MAPK1 Mitogen-activated protein kinase 1	IPI00003479	41,373.90	2	15	AAAAAAGAGPEMVR	M	G	1,300.63
24	AK2 Isoform 1 of Adenylate kinase isoenzyme 2, mitochondrial	IPI00215901	26,461.00	2	14	APSVPAAEPEYPK	M	G	1,355.68
25	GSTP1 Glutathione S-transferase P	IPI00219757	23,338.70	2	12	PPYTVVYFPVR	M	G	1,337.73
26	DDX3X ATP-dependent RNA helicase DDX3X	IPI00215637	73,227.70	2	35	SHVAVENALGLDQQFAGLDL	M	G	3,459.63
27	MAPRE1 Microtubule-associated protein RP/EB family member 1	IPI00017596,IPI00910350	29,981.50	2	17	NSSDNQSGGSTASK	M	H	1,754.86
28	ABCE1 ATP-binding cassette sub-family E member 1	IPI00303207	67,298.40	2	7	ADKLTR	M	I	745.4204
29	CAPZA2 F-actin-capping protein subunit alpha-2	IPI00026182	32,931.20	2	15	ADLEEQLSDEEKVR	M	I	1,702.81
30	APRT Adenine phosphoribosyltransferase	IPI00218693,IPI00642457	19,590.50	2	12	ADSELQLVEQR	M	I	1,329.66
31	UBE2K Isoform 1 of Ubiquitin-conjugating enzyme E2 K	IPI00021370,IPI00910176	22,389.10	2	8	ANIAVQR	M	I	813.4577

32	DSTN Destrin	IPI00473014	18,488.20	2	13	ASGVQVADEVCR	M	I	1,332.62
33	EEF1D Elongation factor 1-delta	IPI00023048	31,103.90	2	10	ATNFLAHEK	M	I	1,072.54
34	EEF1D Elongation factor 1-delta	IPI00023048	31,103.90	2	10	ATNFLAHEK	M	I	1,072.54
35	PRDX6 Peroxiredoxin-6	IPI00220301	25,018.10	2	22	PGGLLLDVAPNFEANTTVG	M	I	2,098.09
36	PRDX6 Peroxiredoxin-6	IPI00220301	25,018.10	2	22	PGGLLLDVAPNFEANTTVG	M	I	2,098.09
37	EIF5A Isoform 1 of Eukaryotic translation initiation factor 5A-1	IPI00411704,IPI00855924	16,814.70	2	26	ADDLDFETGDAGASATFPMQ	M	K	2,704.15
38	EIF4A3 Eukaryotic initiation factor 4A-III	IPI00009328	46,854.40	2	14	ATTATMATSGSAR	M	K	1,267.59
39	ALDOA Fructose-bisphosphate aldolase A	IPI00465439	39,402.60	2	13	PYQYPALTPPEQK	M	K	1,434.73
40	HIST1H1C Histone H1.2	IPI00217465	21,347.80	2	21	SETAPAAPAAAPPAEKAPVK	M	K	1,916.01
41	RAN GTP-binding nuclear protein Ran	IPI00643041,IPI00795671	24,405.10	2	12	AAQGEPPVQFK	M	L	1,244.63
42	KARS Lysyl-tRNA synthetase	IPI00014238	68,032.40	2	17	AAVQAAEVKVDGSEPK	M	L	1,640.85
43	PAICS phosphoribosylaminoimidazole carboxylase, phosphoribosylaminoimidazole succinocarboxamide synthetase isoform 1	IPI00815732	47,941.00	2	12	ATAEVLNIGKK	M	L	1,185.68
44	CKB Creatine kinase B-type	IPI00022977	42,627.10	2	11	PFSNSHNALK	M	L	1,114.56
45	TOP1 DNA topoisomerase 1	IPI00413611	90,711.70	2	17	SGDHLHNDSQIEADFR	M	L	1,882.83
46	KPNA2;LOC728860 Importin subunit alpha-2	IPI00002214,IPI00789457	57,844.50	2	13	STNENANTPAAR	M	L	1,287.59
47	ANXA2P2 Putative annexin A2-like protein	IPI00334627,IPI00455315	38,642.90	2	10	STVHEILCK	M	L	1,128.57
48	RPS5 40S ribosomal protein S5	IPI00008433	22,859.00	2	18	TEWETAAPAVAETPDIK	M	L	1,870.91
49	AKR1A1 Alcohol dehydrogenase [NADP+]	IPI00220271	36,555.60	2	13	AASCVLLHTGQK	M	M	1,326.68
50	UBE2V1 Isoform 3 of Ubiquitin-conjugating enzyme E2 variant 1	IPI00472498,IPI00514724	16,477.10	2	13	AATTGSGVKVPR	M	N	1,185.66
51	RPL4 60S ribosomal protein L4	IPI00003918,IPI00795303	47,681.10	2	20	ACARPLISVYSEKGESSGK	M	N	2,081.03
52	EIF5A Isoform 1 of Eukaryotic translation initiation factor 5A-1	IPI00411704,IPI00855924	16,814.70	2	27	ADDLDFETGDAGASATFPMQ	M	N	2,816.25
53	SEPT11 Septin-11	IPI00019376	49,381.10	2	14	AVAVGRPSNEELR	M	N	1,439.76
54	EIF2S3 Eukaryotic translation initiation factor 2 subunit 3	IPI00297982	51,092.20	2	17	AGGEAGVTLGQPPLSR	M	Q	1,591.82
55	VCP Transitional endoplasmic reticulum ATPase	IPI00022774	89,306.80	2	18	ASGADSKGDDLSTAILK	M	Q	1,690.85
56	CAPZB Isoform 2 of F-actin-capping protein subunit beta	IPI00642256	30,611.70	2	14	SDQQLDLALDLMR	M	R	1,622.72
57	TRIM28 Isoform 1 of Transcription intermediary factor 1-beta	IPI00438229,IPI00438230	88,531.00	2	32	AASAAAASAAAASAAAGSPG	M	S	2,585.22
58	ARHGDI2 Rho GDP-dissociation inhibitor 1	IPI00003815,IPI00793767,IPI00794402,IPI00796541	23,189.50	2	33	PGEGSAGGEKR AEQEPTAEQLAQIAAENEDE HSVNYKPPAQK	M	S	3,606.68
59	CCT4 T-complex protein 1 subunit delta	IPI00302927,IPI00873222	57,907.90	2	8	PENVAPR	M	S	782.4155
60	RBBP4 Histone-binding protein RBBP4	IPI00328319,IPI00645329	47,637.80	2	15	ADKEAAFDDAVEER	M	V	1,607.72
61	CACYBP Isoform 1 of Calcyclin-binding protein	IPI00395627	26,192.30	2	14	ASEELQKDLLEEVK	M	V	1,559.78
62	CFL1 Cofilin-1	IPI00012011	18,485.10	2	13	ASGVAVSDGVIK	M	V	1,144.62
63	CFL1 Cofilin-1	IPI00012011	18,485.10	2	13	ASGVAVSDGVIK	M	V	1,144.62
64	RAB11B Ras-related protein Rab-11B	IPI00020436	24,471.00	2	13	GTRDDEYDYLFK	M	V	1,563.70
65	AHCY Adenosylhomocysteinase	IPI00012007	47,699.10	2	8	SDKLPYK	M	V	892.4776
66	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	70,881.80	2	25	SKGPAVGIDLGTTYSCVGVFQ	M	V	2,520.26
67	SARS Seryl-tRNA synthetase, cytoplasmic	IPI00220637,IPI00514587	58,760.60	2	9	VLDLDFR	M	V	990.562
68	SEC22B Vesicle-trafficking protein SEC22b	IPI00006865	24,723.40	2	9	VLLTMIAR	M	V	932.5599
69	TOMM70A Mitochondrial import receptor subunit TOM70	IPI00015602	67,439.20	2	38	AASKPVEAAVVAAPVSSGS GVGGGGTAGPGTGGLPR	M	W	3,159.64
70	MAGOHB Protein mago nashi homolog 2	IPI00059292	17,258.60	2	10	AVASDFYLR	M	Y	1,083.55
71	TUBB Tubulin beta chain	IPI00011654	49,652.60	3	19	EIVHIQAGQCGNQIGAK	R	F	1,822.92
72	TUBB Tubulin beta chain	IPI00011654	49,652.60	3	19	EIVHIQAGQCGNQIGAK	R	F	1,822.92
73	TUBB Tubulin beta chain	IPI00011654	49,652.60	3	19	EIVHIQAGQCGNQIGAK	R	F	1,822.92
74	TUBB2A Tubulin beta-2A chain	IPI00013475,IPI00031370	49,889.10	3	19	EIVHIQAGQCGNQIGAK	R	F	1,822.92

75	TUBB2A Tubulin beta-2A chain	IPI00013475,IPI00031370	49,889.10	3	19	EIVHIQAGQCGNQIGAK	R	F	1,822.92
76	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	3	19	EIVHLQAGQCGNQIGAK	R	F	1,822.92
77	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	3	19	EIVHLQAGQCGNQIGAK	R	F	1,822.92
78	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	3	19	EIVHLQAGQCGNQIGAK	R	F	1,822.92
79	RPL9 60S ribosomal protein L9	IPI00031691	21,845.70	3	21	TILSNQTVDIPENVDTLTK	K	G	2,113.14
80	CTPS CTP synthase 1	IPI00290142	66,672.70	3	16	YILVTGGVISGIGK	K	G	1,376.82
81	CTPS2 CTP synthase 2	IPI00645702	65,661.40	3	16	YILVTGGVISGIGK	K	G	1,376.82
82	GUK1 Guanylate kinase 1	IPI00514494,IPI00515106,IPI00644488	23,479.80	4	16	RPLAGLAAAALGR	R	A	1,236.75
83	PRC1 Isoform 1 of Protein regulator of cytokinesis 1	IPI00022629,IPI00399304,IPI00748507,IPI00871281,IPI00915034	71,589.90	4	17	SEVLAESIVCLQK	R	A	1,604.82
84	SNRPA1 U2 small nuclear ribonucleoprotein A'	IPI00297477	28,399.10	4	20	LTAEIEQAAQYTN AVR	K	D	1,890.99
85	RBM4 Isoform 1 of RNA-binding protein 4	IPI00003704	40,296.20	4	11	LFIGNLPR	K	E	929.5568
86	RBM4 Isoform 1 of RNA-binding protein 4	IPI00003704	40,296.20	4	11	LFIGNLPR	K	E	929.5568
87	RBM4 Isoform 1 of RNA-binding protein 4	IPI00003704	40,296.20	4	11	LFIGNLPR	K	E	929.5568
88	BZW2 Basic leucine zipper and W2 domain-containing protein 2	IPI00022305,IPI00894416	48,146.00	4	13	HQKPVL TGQR	K	F	1,163.66
89	GMPPA Isoform 1 of Mannose-1-phosphate quanyltransferase alpha	IPI00101782,IPI00657888	46,273.80	4	13	AVILIGGPQK	K	G	995.625
90	DNAJB1 DnaJ homolog subfamily B member 1	IPI00015947	38,027.60	4	13	DYYQTLGLAR	K	G	1,199.61
91	BTF3 Isoform 1 of Transcription factor BTF3	IPI00221035	22,150.30	4	13	TGAPAQADSR	R	G	973.4698
92	BTF3 Isoform 1 of Transcription factor BTF3	IPI00221035	22,150.30	4	13	TGAPAQADSR	R	G	973.4698
93	PSMA6 Proteasome subunit alpha type-6	IPI00029623	27,381.50	4	11	GSSAGFDR	R	H	796.3584
94	PSMA1 Isoform Short of Proteasome subunit alpha type-1	IPI00016832,IPI00472442	29,538.00	4	18	NQYDNDVTWSPQGR	R	I	1,778.81
95	GAPDH Glyceraldehyde-3-phosphate dehydrogenase	IPI00219018	36,035.30	4	13	VKVG VNGFGR	K	I	1,032.59
96	STT3A Dolichyl-diphosphooligosaccharide--protein qlvcosyltransferase subunit STT3A	IPI00297492	80,514.80	4	8	FGFLR	K	L	639.3613
97	HNRNPA1 Isoform A1-B of Heterogeneous nuclear ribonucleoprotein A1	IPI00215965,IPI00465365	38,828.10	4	15	SESPKEPEQLRK	K	L	1,427.75
98	PSIP1 Isoform 1 of PC4 and SFRS1-interacting protein	IPI00028122	60,085.90	4	14	DFKPGDLIFAK	R	M	1,250.68
99	PSIP1 Isoform 1 of PC4 and SFRS1-interacting protein	IPI00028122	60,085.90	4	14	DFKPGDLIFAK	R	M	1,250.68
100	AP1S1 Isoform 1 of AP-1 complex subunit sigma-1A	IPI00152898	18,715.90	4	10	FMLLFSR	R	Q	929.4914
101	DGCR6L Protein DGCR6L	IPI00260322	24,914.40	4	16	YAAALEEVADGAR	R	Q	1,335.65
102	EEF1A2 Elongation factor 1-alpha 2	IPI00014424	50,452.60	4	20	EKTHINIVVIGHVDSGK	K	S	1,846.02
103	EEF1A1 Elongation factor 1-alpha 1	IPI00396485	50,123.20	4	20	EKTHINIVVIGHVDSGK	K	S	1,846.02
104	RPS15A 40S ribosomal protein S15a	IPI00221091	14,822.00	4	12	MNVLADALK	R	S	990.529
105	NHP2 H/ACA ribonucleoprotein complex subunit 2	IPI00041325,IPI00654617	17,183.10	4	22	IKADPDGPEAQAEACSGER	K	T	2,000.90
106	MCTS1 Isoform 1 of Malignant T cell amplified sequence 1	IPI00179026	20,537.90	4	18	KFDEKENVSNCIQLK	K	T	1,851.93
107	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	4	25	AAAIGIDL GTTYSCVGVFQHG	K	V	2,265.13
108	- cDNA FLJ54408, highly similar to Heat shock 70 kDa protein 1	IPI00911039	63,907.90	4	25	AAAIGIDL GTTYSCVGVFQHG	K	V	2,265.13
109	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	70,881.80	4	25	GPAVGIDL GTTYSCVGVFQH	K	V	2,263.12
110	IGF2BP1 Insulin-like growth factor 2 mRNA-binding protein 1	IPI00008557	63,438.30	4	20	LYIGNLNESVTPADLEK	K	V	1,875.97
111	CTTN Src substrate cortactin	IPI00029601	61,567.40	4	38	ASAGHAVSIAQDDAGADDWE	K	W	3,745.65
112	C2orf34 Isoform 1 of Uncharacterized protein C2orf34	IPI00470629,IPI00855870,IPI00893022,IPI00893409	36,110.20	5	15	TDPDFVNDVSEKEQR	R	A	1,047.51
113	OLA1 Isoform 1 of Obg-like ATPase 1	IPI00290416,IPI00916847	44,727.40	5	18	KGGDGIKPPPIIGR	K	F	1,404.83
114	PSMA2 Proteasome subunit alpha type-2	IPI00219622	25,880.90	5	18	GYSFSLTTFSPSGK	R	L	1,478.72
115	C12orf44 UPF0453 protein C12orf44	IPI00305296	24,984.30	5	15	SEVLEVSVEGR	R	Q	1,203.62

116	YEATS4 YEATS domain-containing protein 4	IPI00008536	26,482.30	5	15	MAEFGPDSGGR	R	V	1,139.48
117	UBE2D2 Ubiquitin-conjugating enzyme E2 D2	IPI00332376	16,718.10	6	15	IHKELNDLAR	R	D	1,208.67
118	PARK7 Protein DJ-1	IPI00298547	19,873.10	6	12	ALVILAK	R	G	727.5077
119	LBR Lamin-B receptor	IPI00292135,IPI00645733,IPI00647596	70,688.30	6	13	FADGEVVR	K	G	892.4523
120	TPT1 Translationally-controlled tumor protein	IPI00550900	19,578.20	6	19	DLISHDEMFSDIYK	R	I	1,712.78
121	PRPS1 Ribose-phosphate pyrophosphokinase 1	IPI00219616,IPI00917169	34,816.70	6	18	IFSGSSHQDLSQK	K	I	1,433.70
122	PCNA Proliferating cell nuclear antigen	IPI00021700	28,751.30	6	13	LVQGSILK	R	K	857.5456
123	UNG Isoform 2 of Uracil-DNA glycosylase	IPI00011069	34,627.40	6	17	TLYSFFSPSPAR	K	K	1,372.69
124	RPL15 60S ribosomal protein L15	IPI00470528,IPI00550032,IPI00909437	24,128.50	6	12	YIQELWR	K	K	1,007.53
125	PDLIM7 Isoform 1 of PDZ and LIM domain protein 7	IPI00023122,IPI00023560	49,826.40	6	17	VVLEGPAPWGFR	K	L	1,327.72
126	C14orf166 UPF0568 protein C14orf166	IPI00006980	28,051.30	6	26	LTALDYHNPAGFNCKDETEFR	K	N	2,498.14
127	ANP32B Isoform 1 of Acidic leucine-rich nuclear phosphoprotein 32 family member B	IPI00007423,IPI00759824	28,770.60	6	12	RIHLELR	R	N	936.5738
128	ANP32A Acidic leucine-rich nuclear phosphoprotein 32 family member A	IPI00025849	28,568.10	6	12	RIHLELR	R	N	936.5738
129	TPRG1L Isoform 2 of Tumor protein p63-regulated gene 1-like protein	IPI00102976,IPI00413578	23,329.00	6	43	DSVDSAGTSPTAVLAAGEEV GAGGGPGGGRRPGAGTPLR	R	Q	3,348.64
130	NAT13 Isoform 1 of N-acetyltransferase 13	IPI00018627	19,380.90	6	17	IELGDVTPHNIK	R	Q	1,335.73
131	NAT13 Isoform 1 of N-acetyltransferase 13	IPI00018627	19,380.90	6	17	IELGDVTPHNIK	R	Q	1,335.73
132	HMGN1;LOC643790 Non-histone chromosomal protein HMG-14	IPI00554761,IPI00893375,IPI00893633,IPI00894043	10,641.10	6	18	VSSAEGAAKEEPK	K	R	1,302.65
133	NIT2 Nitrilase homolog 2	IPI00549467,IPI00872668	30,590.80	6	17	LALIQLQISSIK	R	S	1,326.84
134	KRAS Isoform 2B of GTPase KRas	IPI00423570	21,406.80	6	16	LVVVGAGGVGK	K	S	955.5936
135	EEF1A2 Elongation factor 1-alpha 2	IPI00014424	50,452.60	6	20	THINIVVIGHVDSGK	K	S	1,588.88
136	EEF1A1 Elongation factor 1-alpha 1	IPI00396485	50,123.20	6	20	THINIVVIGHVDSGK	K	S	1,588.88
137	EEF1A1 Elongation factor 1-alpha 1	IPI00396485	50,123.20	6	20	THINIVVIGHVDSGK	K	S	1,588.88
138	EEF1A1 Elongation factor 1-alpha 1	IPI00396485	50,123.20	6	20	THINIVVIGHVDSGK	K	S	1,588.88
139	RAC1 Isoform A of Ras-related C3 botulinum toxin substrate 1	IPI00010271,IPI00219675	21,432.60	6	16	CVVVDGDAVGK	K	T	1,060.55
140	CDC42 Isoform 2 of Cell division control protein 42 homolog	IPI00016786,IPI00909484	21,240.70	6	16	CVVVDGDAVGK	K	T	1,060.55
141	RHOG Rho-related GTP-binding protein RhoG	IPI00017342	21,290.10	6	16	CVVVDGDAVGK	K	T	1,060.55
142	RAC3 Ras-related C3 botulinum toxin substrate 3	IPI00023138	21,361.10	6	16	CVVVDGDAVGK	K	T	1,060.55
143	PCNA Proliferating cell nuclear antigen	IPI00021700	28,751.30	6	14	LVQGSILKK	R	V	985.6406
144	RPL23A;hCG_16001 60S ribosomal protein L23a	IPI00021266	17,678.20	7	18	KEAPAPPKAEAK	K	A	1,236.69
145	RPL23A;hCG_16001 60S ribosomal protein L23a	IPI00021266	17,678.20	7	18	KEAPAPPKAEAK	K	A	1,236.69
146	UBB;RPS27A;UBC ubiquitin and ribosomal protein S27a precursor	IPI00179330,IPI00456429,IPI00719280,IPI00743241,IPI00743650,IPI00744274,IPI00784990,IPI00789107,IPI00789823,IPI00790633,IPI00792712,IPI00793330,IPI00793729,IPI00793810,IPI00794211,IPI00794925,IPI00795527,IPI00796007,IPI00796600,IPI00797400,IPI00798127,IPI00798155	17,947.60	7	27	TLTGKTITLEVEPSDTIENVK	K	A	2,288.22
147	ACTR2 Actin-related protein 2	IPI00005159	44,743.70	7	19	KVVVCDNGTGFVK	R	C	1,422.74
148	PEX11B Peroxisomal membrane protein 11B	IPI00021978	28,414.50	7	14	FSAQSQR	R	E	894.4427
149	TMBIM6 Bax inhibitor 1	IPI00022748,IPI00847321	26,521.40	7	15	KINFDALLK	R	F	1,061.64
150	TFRC Transferrin receptor protein 1	IPI00022462	84,855.60	7	22	SAFSNLFNGGEPLSYTR	R	F	1,745.85
151	TFRC Transferrin receptor protein 1	IPI00022462	84,855.60	7	22	SAFSNLFNGGEPLSYTR	R	F	1,745.85
152	CMAS Isoform 1 of N-acylneuraminase cytidyltransferase	IPI00303158	48,361.60	7	16	GAATSVSNPR	K	G	959.4904
153	PGK1 Phosphoglycerate kinase 1	IPI00169383	44,597.30	7	15	LTLDKLDVK	K	G	1,044.63
154	NME2 Nucleoside diphosphate kinase B	IPI00026260	17,280.20	7	18	TFIAIKPDGVQR	R	G	1,344.76
155	HNRNPH3 Isoform 1 of Heterogeneous nuclear ribonucleoprotein H3	IPI00013877,IPI00216492	36,909.60	7	19	HNGPNDASDGTVR	K	L	1,339.60
156	MCL1 Isoform 1 of Induced myeloid leukemia cell differentiation protein Mcl-1	IPI00030356	37,320.20	7	34	NAVIGLNLYCGGAGLGAGSG GATRPPGGR	R	L	2,573.30
157	MCL1 Isoform 1 of Induced myeloid leukemia cell differentiation protein Mcl-1	IPI00030356	37,320.20	7	34	NAVIGLNLYCGGAGLGAGSG GATRPPGGR	R	L	2,573.30

158	ANP32E Acidic leucine-rich nuclear phosphoprotein 32 family member E	IPi00165393	30,675.30	7	12	INLELR	K	N	757.4567
159	OTUD5 Isoform 1 of OTU domain-containing protein 5	IPi00640364,IPi00641956	60,606.80	7	31	KKPPPPDADPANEP PPPGPM	K	R	2,583.30
160	DRG2 Developmentally-regulated GTP-binding protein 2	IPi00022697,IPi00794194	40,729.80	7	16	PPAPR ISEIEKEIAR	K	T	1,187.66
161	CTD SPL2 Isoform 1 of CTD small phosphatase-like protein 2	IPi00033054,IPi00871437	52,982.30	7	19	KASQQSNQIQ TQR	R	T	1,516.78
162	RPS19 40S ribosomal protein S19	IPi00215780	16,042.50	8	16	DVNQQEFVR	K	A	1,134.55
163	BLVRA Biliverdin reductase A	IPi00294158	33,411.00	8	18	KFGV VVVGVGR	R	A	1,116.69
164	SH3GLB2 Isoform 1 of Endophilin-B2	IPi00024540,IPi00398828	43,957.20	8	18	LASDAGIFFTR	K	A	1,197.63
165	FYT TD1 Forty-two-three domain-containing protein 1	IPi00289907	35,782.20	8	20	LVGATATSSPPPK	R	A	1,225.68
166	ABCE1 ATP-binding cassette sub-family E member 1	IPi00303207	67,298.40	8	15	IAIVNHDK	R	C	909.5153
167	TMBIM6 Bax inhibitor 1	IPi00022748,IPi00847321	26,521.40	8	15	INF DALLK	K	F	933.5405
168	SPR Sepiapterin reductase	IPi00017469	28,031.50	8	17	AVCLLTGASR	R	G	1,047.56
169	ATP1A1 Isoform Long of Sodium/potassium-transporting ATPase subunit alpha-1	IPi00006482,IPi00646182	112,881.50	8	22	DKYEPAAVSEQGDKK	R	G	1,664.81
170	HSDL2 Isoform 2 of Hydroxysteroid dehydrogenase-like protein 2	IPi00031107,IPi00414384	45,378.60	8	20	LAGCTV FITGASR	R	G	1,352.70
171	FUNDC2 FUN14 domain-containing protein 2	IPi00171769	20,657.80	8	18	AGSQVVATTAR	R	H	1,060.57
172	LDHB L-lactate dehydrogenase B chain	IPi00219217	36,620.60	8	23	LIAPVAEEEEATVPNNK	K	I	1,694.90
173	LDHB L-lactate dehydrogenase B chain	IPi00219217	36,620.60	8	23	LIAPVAEEEEATVPNNK	K	I	1,694.90
174	APEX1 DNA-(apurinic or apyrimidinic site) lyase	IPi00215911	35,537.70	8	24	GAVAEDGDEL RTEPEAK	K	K	1,786.85
175	ATP1B3 Sodium/potassium-transporting ATPase subunit beta-3	IPi00008167	31,495.70	8	17	SLNQSLAEWK	K	L	1,175.61
176	ATP2A2 Isoform SERCA2A of Sarcoplasmic/endoplasmic reticulum calcium ATPase 2	IPi00177817,IPi00219078,IPi00747443	109,674.90	8	31	TVEEVLGHFGVNESTGLSLE QVKK	K	L	2,600.36
177	SNRNP40 cDNA FLJ56825, highly similar to WD repeat protein 57	IPi00006723	44,498.40	8	19	KGPELPLVPVKR	R	Q	1,332.84
178	SNRNP40 cDNA FLJ56825, highly similar to WD repeat protein 57	IPi00006723	44,498.40	8	19	KGPELPLVPVKR	R	Q	1,332.84
179	CHMP2A Charged multivesicular body protein 2a	IPi00004416	25,087.00	8	16	RKTPEELLR	R	Q	1,141.67
180	EZR Ezrin	IPi00746388,IPi00843975,IPi00872684	69,265.40	8	26	VTTMDAELEFAIQPNTTGK	R	Q	2,082.01
181	EEF1B2 Elongation factor 1-beta	IPi00178440	24,746.20	8	22	SPAGLQVLNDYLADK	K	S	1,603.83
182	CTD SPL2 Isoform 1 of CTD small phosphatase-like protein 2	IPi00033054,IPi00871437	52,982.30	8	19	ASQQSNQIQ TQR	K	T	1,388.69
183	DRG1 Developmentally-regulated GTP-binding protein 1	IPi00031836	40,525.80	8	17	IAEIEAEMAR	K	T	1,148.56
184	PAK4 Isoform 1 of Serine/threonine-protein kinase PAK 4	IPi00014068	64,054.80	8	20	RVEISAPSNFEHR	K	V	1,541.78
185	KIAA1524 Isoform 1 of Protein CIP2A	IPi00154283	102,171.30	9	18	SLLLTVSQYK	K	A	1,151.67
186	RPS10 40S ribosomal protein S10	IPi00008438	18,880.30	9	17	IAIYELLFK	R	E	1,109.66
187	BUB3 Mitotic checkpoint protein BUB3	IPi00013468,IPi00514701,IPi00644108	37,136.70	9	21	LNQPPEDGISSVK	K	F	1,383.71
188	HNRNPA0 Heterogeneous nuclear ribonucleoprotein A0	IPi00011913	30,822.50	9	24	LFIGGLNVQTSSEGLR	K	G	1,690.91
189	HNRNPA0 Heterogeneous nuclear ribonucleoprotein A0	IPi00011913	30,822.50	9	24	LFIGGLNVQTSSEGLR	K	G	1,690.91
190	SNRPD3 Small nuclear ribonucleoprotein Sm D3	IPi00017964,IPi00878876,IPi00879750	13,898.60	9	29	VLHEAEGHIVT CETNTGEVYR	K	G	2,414.14
191	BTF3L4 Transcription factor BTF3 homolog 4	IPi00412792	17,253.00	9	14	LQAQVR	K	I	714.4257
192	AHCY Adenosylhomocysteinase	IPi00012007	47,699.10	9	19	VADIGLAAWGR	K	K	1,128.62
193	RPL30 60S ribosomal protein L30	IPi00219156,IPi00872940	12,766.70	9	17	KSLESINSR	K	L	1,033.56
194	SNRPB Isoform SM-B' of Small nuclear ribonucleoprotein-associated proteins B and B'	IPi00027285,IPi00220360,IPi00329512,IPi00395674,IPi00785142,IPi00844420,IPi00877103	24,592.60	9	16	MLQHIDYR	K	M	1,091.53
195	SSR3 cDNA FLJ52061, highly similar to Translocon-associated protein subunit gamma	IPi00009235	22,593.20	9	22	QQSEEDLLLQDFSR	K	N	1,707.82

196	LSM4 U6 snRNA-associated Sm-like protein LSM4	IPI00294955	15,332.00	9	20	TAQNHPMLVELK	K	N	1,380.73
197	PITPNB Isoform 1 of Phosphatidylinositol transfer protein beta isoform	IPI00334907	31,522.30	9	31	VVLPCSVQEYQVGLYSVAE ASK	R	N	2,554.29
198	PPP2CA Serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform	IPI00008380	35,576.50	9	21	ELDQWIEQLNECK	K	Q	1,704.79
199	PPP2CA Serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform	IPI00008380	35,576.50	9	21	ELDQWIEQLNECK	K	Q	1,704.79
200	SNRNP40 cDNA FLJ56825, highly similar to WD repeat protein 57	IPI00006723	44,498.40	9	19	GPELPLVPVKR	K	Q	1,204.74
201	RDX Radixin, isoform CRA_a	IPI00017367,IPI00903145	71,032.60	9	27	VTTMDAELEFAIQPNTTGK	R	Q	2,082.01
202	MSN Moesin	IPI00219365,IPI00872814	67,803.80	9	27	VTTMDAELEFAIQPNTTGK	R	Q	2,082.01
203	HAX1 cDNA FLJ53021, highly similar to HS1-associating protein X-1	IPI00010440,IPI00641973	32,443.00	9	17	GFFGFPGPR	R	S	981.4942
204	FARSB Phenylalanyl-tRNA synthetase beta chain	IPI00300074	66,114.60	9	17	DLLFQALGR	R	T	1,032.58
205	TRUB2 Probable tRNA pseudouridine synthase 2	IPI00024151	36,677.20	9	22	LHGLFAVYKPPGLK	R	W	1,539.90
206	MRPL11 39S ribosomal protein L11, mitochondrial	IPI00007001,IPI00333848	20,665.90	10	21	GLRKPEVGGVIR	R	A	1,280.78
207	CDK2 Cell division protein kinase 2	IPI00031681	33,912.70	10	20	IGEGTYGVVYK	K	A	1,185.62
208	CDK2 Cell division protein kinase 2	IPI00031681	33,912.70	10	20	IGEGTYGVVYK	K	A	1,185.62
209	RBMX Heterogeneous nuclear ribonucleoprotein G	IPI00304692	42,315.70	10	22	LFIGGLNTETNEK	K	A	1,435.74
210	RBMX Heterogeneous nuclear ribonucleoprotein G	IPI00304692	42,315.70	10	22	LFIGGLNTETNEK	K	A	1,435.74
211	RBMX Heterogeneous nuclear ribonucleoprotein G	IPI00304692	42,315.70	10	22	LFIGGLNTETNEK	K	A	1,435.74
212	RBMX Heterogeneous nuclear ribonucleoprotein G	IPI00304692	42,315.70	10	22	LFIGGLNTETNEK	K	A	1,435.74
213	SEC22B Vesicle-trafficking protein SEC22b	IPI00006865	24,723.40	10	28	VADGLPLAASMQEDEQSGR	R	D	1,989.92
214	SARS Seryl-tRNA synthetase, cytoplasmic	IPI00220637,IPI00514587	58,760.60	10	20	VDKGGDPALIR	R	E	1,140.64
215	ARL6IP5 PRA1 family protein 3	IPI00007426,IPI00908696	21,597.60	10	20	AWDDFFPGSDR	R	F	1,312.56
216	ARL6IP5 PRA1 family protein 3	IPI00007426,IPI00908696	21,597.60	10	20	AWDDFFPGSDR	R	F	1,312.56
217	CAMK2G Isoform 4 of Calcium/calmodulin-dependent protein kinase type II gamma chain	IPI00172450,IPI00172452,IPI00296678,IPI00334344,IPI00336118,IPI00556423,IPI00646849,IPI00908444,IPI00915309,IPI00915327,IPI00915383,IPI00915393	59,589.60	10	22	FTDDYQLFEELGK	R	G	1,604.75
218	CAMK2D Isoform Delta 6 of Calcium/calmodulin-dependent protein kinase type II delta chain	IPI00172636,IPI00430291,IPI00827573,IPI00827625,IPI00876923	54,111.10	10	22	FTDEYQLFEELGK	R	G	1,618.76
219	NDUFA12 13kDa differentiation-associated protein variant (Fragment)	IPI00005966	17,196.50	10	21	GLQQTGHGGLR	R	G	1,236.68
220	CDC2 Putative uncharacterized protein DKFZp686L20222	IPI00026689	34,762.10	10	20	IGEGTYGVVYK	K	G	1,185.62
221	CDC2 Putative uncharacterized protein DKFZp686L20222	IPI00026689	34,762.10	10	20	IGEGTYGVVYK	K	G	1,185.62
222	AK1 Adenylate kinase isoenzyme 1	IPI00018342,IPI00640817	21,617.10	10	21	IIFVVGPGSGK	K	G	1,130.66
223	WDR3 WD repeat-containing protein 3	IPI00009471	106,084.50	10	23	YVASAVFGVIGSQK	R	G	1,425.77
224	LPCAT1 1-acylglycerophosphocholine O-acyltransferase 1	IPI00171626	59,134.80	10	22	AAPASSAGASDAR	R	L	1,131.54
225	RACGAP1 Rac GTPase-activating protein 1	IPI00152946	71,009.80	10	17	NLFEQLVR	R	R	1,018.57
226	HAT1 Histone acetyltransferase type B catalytic subunit	IPI00024719	49,496.20	10	15	FLVEYK	K	S	798.4396
227	COMMD3 COMM domain-containing protein 3	IPI00015773,IPI00514459,IPI00514949,IPI00903231	22,133.90	10	18	GFQMLADPR	K	S	1,034.51
228	BAX Isoform Epsilon of Apoptosis regulator BAX	IPI00071059,IPI00443773,IPI00444945,IPI00845474	18,111.40	10	21	GGGPTSSEQIMK	R	T	1,207.56
229	POLD2 DNA polymerase delta subunit 2	IPI00025616,IPI00909525	51,272.00	10	26	AHTLLSPPSANNATFAR	R	V	1,767.91
230	YWHAQ 14-3-3 protein theta	IPI00018146	27,747.40	10	18	AKLAEQAER	K	Y	1,015.55
231	YWHAZ 14-3-3 protein zeta/delta	IPI00021263	27,727.90	10	18	AKLAEQAER	K	Y	1,015.55
232	YWHAB Isoform Short of 14-3-3 protein beta/alpha	IPI00759832	27,832.80	10	18	AKLAEQAER	K	Y	1,015.55
233	RPL27 60S ribosomal protein L27	IPI00219155	15,780.40	10	17	VVLVLAGR	K	Y	826.5509
234	TYSND1 Isoform 1 of Peroxisomal leader peptide-processing protease	IPI00303214	59,289.80	11	23	AAEQAGCMVSASR	R	A	1,353.59
235	MARCKSL1 MARCKS-related protein	IPI00641181	19,510.60	11	25	GDVTAEEAAGASPAK	R	A	1,373.65
236	SH3GLB1 Isoform 1 of Endophilin-B1	IPI00006558	40,780.00	11	21	LAADAGTFLSR	K	A	1,121.60
237	HSD17B4 Peroxisomal multifunctional enzyme type 2	IPI00019912	79,670.40	11	23	VVLVTGAGAGLGR	R	A	1,169.70

238	SF3A2 SF3A2 protein (Fragment)	IPI00017341	51,457.10	11	24	TGSGGVASSSESNR	K	D	1,295.58
239	SF3A2 SF3A2 protein (Fragment)	IPI00017341	51,457.10	11	27	TGSGGVASSSESNRDRR	K	E	1,722.81
240	- Putative uncharacterized protein ENSP00000348237	IPI00453476,IPI00549725	28,832.80	11	21	HGESAWNLENR	R	F	1,312.60
241	DTD1 D-tyrosyl-tRNA(Tyr) deacylase 1	IPI00152692	23,405.60	11	25	ASVTVGGEQISAIGR	R	G	1,444.78
242	GRB2 Isoform 1 of Growth factor receptor-bound protein 2	IPI00021327	25,188.80	11	21	ATADDELSFKR	K	G	1,252.62
243	RPL3 60S ribosomal protein L3	IPI00550021	46,091.50	11	19	HGSLGFLPR	R	K	983.5422
244	RPL7A 60S ribosomal protein L7a	IPI00299573	29,978.30	11	20	KVAPAPAVVK	K	K	979.6299
245	PRAF2 PRA1 family protein 2	IPI00026994,IPI00640188	19,240.40	11	21	ALDDFVLGSAR	R	L	1,163.61
246	PSMA5 Proteasome subunit alpha type-5	IPI00291922	26,393.30	11	20	GVNTFSPEGR	R	L	1,063.52
247	APOBEC3C Probable DNA dC->dU-editing enzyme APOBEC-3C	IPI00555878,IPI00872929	22,808.00	11	22	AMYPGTFYFQFK	K	N	1,515.70
248	RANBP2 E3 SUMO-protein ligase RanBP2	IPI00221325,IPI00915960	358,180.20	11	23	YIASVQGSTPSPR	R	Q	1,362.70
249	SYNGR2 Synaptogyrin-2	IPI00013946,IPI00654744,IPI00789763	24,792.20	11	18	AGGSFDLR	K	R	822.4105
250	GRB2 Isoform 1 of Growth factor receptor-bound protein 2	IPI00021327	25,188.80	11	20	ATADDELSFK	K	R	1,096.52
251	DNTTIP2 Deoxynucleotidyltransferase terminal-interacting protein 2	IPI00290410	90,654.40	11	24	ASQAASAESSGQK	K	S	1,334.65
252	RAB18 Ras-related protein Rab-18	IPI00014577	22,959.50	11	21	ILIIGESGVGK	K	S	1,085.66
253	RAB35 Ras-related protein Rab-35	IPI00300096	23,007.20	11	21	LLIIGDSGVGK	K	S	1,071.64
254	RAB1B Ras-related protein Rab-1B	IPI00008964,IPI00896425	22,154.00	11	21	LLLIGDSGVGK	K	S	1,071.64
255	RCC1 regulator of chromosome condensation 1 isoform a	IPI00001661,IPI00747309,IPI00787306	48,126.30	11	19	SPPADAIPK	R	S	895.4885
256	SLC25A6 ADP/ATP translocase 3	IPI00291467	32,849.10	11	23	DFLAGGIAAAISK	K	T	1,233.68
257	SLC25A5 ADP/ATP translocase 2	IPI00007188	32,878.50	11	23	DFLAGGVAAAISK	K	T	1,219.67
258	SLC25A5 ADP/ATP translocase 2	IPI00007188	32,878.50	11	23	DFLAGGVAAAISK	K	T	1,219.67
259	RAB8A Ras-related protein Rab-8A	IPI00028481	23,651.60	11	21	LLLIGDSGVGK	K	T	1,071.64
260	RPL34 60S ribosomal protein L34	IPI00219160	13,275.10	11	19	LSYNTASNK	R	T	997.4948
261	RAB7A Ras-related protein Rab-7a	IPI00016342	23,472.00	11	21	VIILGDSGVGK	K	T	1,057.63
262	CHMP5 Charged multivesicular body protein 5	IPI00100796	24,553.80	12	27	APPPSLTDCIGTVDSR	K	A	1,685.82
263	YWHAB Isoform Short of 14-3-3 protein beta/alpha	IPI00759832	27,832.80	12	27	LAEQAERYDDMAAMK	K	A	1,844.82
264	YWHAQ 14-3-3 protein theta	IPI00018146	27,747.40	12	27	LAEQAERYDDMATCMK	K	A	1,931.83
265	CHCHD2 Coiled-coil-helix-coiled-coil-helix domain-containing protein 2, mitochondrial	IPI00007673,IPI00872610	15,494.30	12	18	MAPPASR	R	A	729.3712
266	UBB;RPS27A;UBC ubiquitin and ribosomal protein S27a precursor	IPI00179330,IPI00456429,IPI00719280,IPI00743241,IPI00743650,IPI00744274,IPI00784990,IPI00789107,IPI00789823,IPI00790633,IPI00792712,IPI00793330,IPI00793729,IPI00793810,IPI00794211,IPI00794925,IPI00795527,IPI00796007,IPI00796600,IPI00797400,IPI00798127,IPI00798155	17,947.60	12	27	TITLEVEPSDTIENVK	K	A	1,787.93
267	UBB;RPS27A;UBC ubiquitin and ribosomal protein S27a precursor	IPI00179330,IPI00456429,IPI00719280,IPI00743241,IPI00743650,IPI00744274,IPI00784990,IPI00789107,IPI00789823,IPI00790633,IPI00792712,IPI00793330,IPI00793729,IPI00793810,IPI00794211,IPI00794925,IPI00795527,IPI00796007,IPI00796600,IPI00797400,IPI00798127,IPI00798155	17,947.60	12	27	TITLEVEPSDTIENVK	K	A	1,787.93
268	UBB;RPS27A;UBC ubiquitin and ribosomal protein S27a precursor	IPI00179330,IPI00456429,IPI00719280,IPI00743241,IPI00743650,IPI00744274,IPI00784990,IPI00789107,IPI00789823,IPI00790633,IPI00792712,IPI00793330,IPI00793729,IPI00793810,IPI00794211,IPI00794925,IPI00795527,IPI00796007,IPI00796600,IPI00797400,IPI00798127,IPI00798155	17,947.60	12	27	TITLEVEPSDTIENVK	K	A	1,787.93
269	UBB;RPS27A;UBC ubiquitin and ribosomal protein S27a precursor	IPI00179330,IPI00456429,IPI00719280,IPI00743241,IPI00743650,IPI00744274,IPI00784990,IPI00789107,IPI00789823,IPI00790633,IPI00792712,IPI00793330,IPI00793729,IPI00793810,IPI00794211,IPI00794925,IPI00795527,IPI00796007,IPI00796600,IPI00797400,IPI00798127,IPI00798155	17,947.60	12	27	TITLEVEPSDTIENVK	K	A	1,787.93
270	UBB;RPS27A;UBC ubiquitin and ribosomal protein S27a precursor	IPI00179330,IPI00456429,IPI00719280,IPI00743241,IPI00743650,IPI00744274,IPI00784990,IPI00789107,IPI00789823,IPI00790633,IPI00792712,IPI00793330,IPI00793729,IPI00793810,IPI00794211,IPI00794925,IPI00795527,IPI00796007,IPI00796600,IPI00797400,IPI00798127,IPI00798155	17,947.60	12	27	TITLEVEPSDTIENVK	K	A	1,787.93
271	UBB;RPS27A;UBC ubiquitin and ribosomal protein S27a precursor	IPI00179330,IPI00456429,IPI00719280,IPI00743241,IPI00743650,IPI00744274,IPI00784990,IPI00789107,IPI00789823,IPI00790633,IPI00792712,IPI00793330,IPI00793729,IPI00793810,IPI00794211,IPI00794925,IPI00795527,IPI00796007,IPI00796600,IPI00797400,IPI00798127,IPI00798155	17,947.60	12	27	TITLEVEPSDTIENVK	K	A	1,787.93
272	SFRS3 Splicing factor, arginine/serine-rich 3	IPI00010204,IPI00843996	19,312.00	12	28	VYVGNLGNNGNKTELER	K	A	1,876.95

273	EIF2A Isoform 1 of Eukaryotic translation initiation factor 2A	IPI00902564	64,973.20	12	33	GSEGLYMVNGPPHFTESTVF PR	R	E	2,422.15
274	ATG3 Isoform 1 of Autophagy-related protein 3	IPI00022254	35,846.20	12	27	ALEVAEYLTPVLKESK	K	F	1,789.99
275	LMNA Isoform A of Lamin-A/C	IPI00021405	74,122.60	12	25	SGAQASSTPLSPTR	R	I	1,359.69
276	PNO1 RNA-binding protein PNO1	IPI00024524	27,907.30	12	21	AEEGFTQVTR	R	K	1,137.55
277	TKT cDNA FLJ54957, highly similar to Transketolase	IPI00643920	68,725.40	12	21	LQALKDTANR	K	L	1,129.63
278	SBDS Ribosome maturation protein SBDS	IPI00427330	28,745.90	12	19	LTNAVAVR	R	M	871.5359
279	PES1 Isoform 1 of Pescadillo homolog 1	IPI00003768,IPI00554461,IPI00878536	67,986.90	12	20	GSATNYITR	R	N	982.4952
280	UBL4A Ubiquitin-like protein 4A	IPI00005658	17,758.90	12	27	ECSLQVPEDELVSTLK	R	Q	1,846.91
281	RBM4 Isoform 1 of RNA-binding protein 4	IPI00003704	40,296.20	12	19	EATEQEIR	R	S	975.4742
282	RBM4 Isoform 1 of RNA-binding protein 4	IPI00003704	40,296.20	12	19	EATEQEIR	R	S	975.4742
283	YWHAZ 14-3-3 protein zeta/delta	IPI00021263	27,727.90	12	27	LAEQAERYDDMAACMK	K	S	1,901.82
284	DAZAP1 Isoform 1 of DAZ-associated protein 1	IPI00165230,IPI00335930	43,365.00	12	27	LFVGGLDWSTTQETLR	K	S	1,822.93
285	RAB10 Ras-related protein Rab-10	IPI00016513	22,524.10	12	22	LLLIGDSGVGK	K	T	1,071.64
286	EIF2B1 Translation initiation factor eIF-2B subunit alpha	IPI00221300	33,695.20	12	28	SQMKEDPDMASAVAAIR	K	T	1,851.86
287	FAR1 Fatty acyl-CoA reductase 1	IPI00478838	59,340.20	12	24	NVLLTGATGFLGK	K	V	1,290.74
288	YWHAQ 14-3-3 protein theta	IPI00018146	27,747.40	12	18	LAEQAER	K	Y	816.421
289	YWHAZ 14-3-3 protein zeta/delta	IPI00021263	27,727.90	12	18	LAEQAER	K	Y	816.421
290	YWHAB Isoform Short of 14-3-3 protein beta/alpha	IPI00759832	27,832.80	12	18	LAEQAER	K	Y	816.421
291	CCNA2 Cyclin-A2	IPI00022865	48,519.60	13	37	EAGSALLALQQTALQEDQENI NPEK	R	A	2,710.35
292	PARK7 Protein DJ-1	IPI00298547	19,873.10	13	28	GAEEMETVIPVDVMRR	K	A	1,863.89
293	DNAJB6 Isoform A of DnaJ homolog subfamily B member 6	IPI00024523	36,070.20	13	21	HASPEDIKK	R	A	1,024.54
294	DNAJB6 Isoform A of DnaJ homolog subfamily B member 6	IPI00024523	36,070.20	13	21	HASPEDIKK	R	A	1,024.54
295	YWHAH 14-3-3 protein eta	IPI00216319	28,201.60	13	28	LAEQAERYDDMASAMK	R	A	1,860.81
296	CCDC99 Isoform 1 of Coiled-coil domain-containing protein 99	IPI00030845,IPI00061356	58,945.50	13	22	LKEAEERLK	R	A	1,244.68
297	ID4 DNA-binding protein inhibitor ID-4	IPI00026864	16,604.40	13	26	KAPSGCGGGELALR	R	C	1,372.70
298	TARS Threonyl-tRNA synthetase, cytoplasmic	IPI00329633,IPI00908949	83,419.80	13	28	MGGEEKPIGAGEEKQK	K	E	1,687.83
299	YWHAE 14-3-3 protein epsilon	IPI00000816	29,157.00	13	28	LAEQAERYDEMVESMK	K	K	1,928.87
300	TXNDC9 Thioredoxin domain-containing protein 9	IPI00022386,IPI00917664	26,517.00	13	23	VLEHQLLQTTK	K	L	1,309.75
301	YWHAG 14-3-3 protein gamma	IPI00220642	28,285.10	13	28	LAEQAERYDDMAAMK	R	N	1,844.82
302	PARK7 Protein DJ-1	IPI00298547	19,873.10	13	27	GAEEMETVIPVDVMR	K	R	1,691.80
303	AKR1B1 Aldose reductase	IPI00413641	35,835.90	13	22	MPILGLGTWK	K	S	1,115.63
304	YWHAE 14-3-3 protein epsilon	IPI00000816	29,157.00	13	29	LAEQAERYDEMVESMKK	K	V	2,056.97
305	YWHAE 14-3-3 protein epsilon	IPI00000816	29,157.00	13	19	LAEQAER	K	Y	816.421
306	YWHAH 14-3-3 protein eta	IPI00216319	28,201.60	13	19	LAEQAER	R	Y	816.421
307	YWHAG 14-3-3 protein gamma	IPI00220642	28,285.10	13	19	LAEQAER	R	Y	816.421
308	DNAJB1 DnaJ homolog subfamily B member 1	IPI00015947	38,027.60	14	22	GASDEEIKR	R	A	1,004.50
309	TSEN34 27 kDa protein	IPI00657943,IPI00658061,IPI00894217	27,261.80	14	26	SLVWGAEAVQALR	R	E	1,399.77
310	PRKAR1A cAMP-dependent protein kinase type I-alpha regulatory subunit	IPI00021831	42,964.40	14	24	SLRECELYVQK	R	H	1,424.72
311	ALDOA Fructose-bisphosphate aldolase A	IPI00465439	39,402.60	14	22	KELSDIAHR	K	I	1,068.58
312	STIP1 Stress-induced-phosphoprotein 1	IPI00013894,IPI00871856	62,624.10	14	32	ALSVGNIDDALQCYSEAIK	K	L	2,067.01
313	RAB1A Isoform 1 of Ras-related protein Rab-1A	IPI00005719,IPI00873902	22,660.40	14	24	LLLIGDSGVGK	K	S	1,071.64
314	AKR1A1 Alcohol dehydrogenase [NADP+]	IPI00220271	36,555.60	14	23	MPLIGLGTWK	K	S	1,115.63
315	RAB11B Ras-related protein Rab-11B	IPI00020436	24,471.00	14	24	VVLIGDSGVGK	K	S	1,043.61
316	MYL6B;MYL6 Isoform Non-muscle of Myosin light polypeptide 6	IPI00335168,IPI00789605,IPI00796366	16,911.80	14	21	EAFQLFDR	K	T	1,025.51
317	CLINT1 Isoform 1 of Clathrin interactor 1	IPI00291930	68,242.50	14	27	ATNVVMNYSEIESK	K	V	1,600.75
318	PFKP 6-phosphofructokinase type C	IPI00009790	85,579.40	15	25	KFLEHLSGAGK	R	A	1,186.66

319	APRT Adenine phosphoribosyltransferase	IPI00218693,IPI00642457	19,590.50	15	27	SFPDFPTPGVVFR	R	D	1,465.75
320	CALM1;CALM3;CALM2 Calmodulin	IPI00075248,IPI00386621,IPI00794543,IPI00916768	16,820.00	15	31	EAFSLFDKDGDTITTK	K	E	1,844.89
321	RPL31 60S ribosomal protein L31	IPI00026302	14,445.20	15	23	SAINEVVTR	R	E	988.5421
322	ALDOA Fructose-bisphosphate aldolase A	IPI00465439	39,402.60	15	22	ELSDIAHR	K	I	940.4847
323	COMMD8 COMM domain-containing protein 8	IPI00016447,IPI00871891	21,072.90	15	26	LPAELGPQLLHK	K	I	1,315.77
324	CAPZB Isoform 2 of F-actin-capping protein subunit beta	IPI00642256	30,611.70	15	23	RLPPQQIEK	R	N	1,108.65
325	ATIC Bifunctional purine biosynthesis protein PURH	IPI00289499	64,598.50	15	22	TGLVEFAR	K	N	892.4887
326	SCYE1 Multisynthetase complex auxiliary component p43	IPI00006252,IPI00793201	34,335.00	15	26	GAEADQIIEYLK	K	Q	1,349.69
327	NIP30 NEFA-interacting nuclear protein NIP30	IPI00178750	28,894.80	15	24	FVSEAELDER	R	R	1,194.56
328	RPS18;LOC100130553 40S ribosomal protein S18	IPI00013296	17,701.30	15	23	VLNTNIDGR	R	R	1,001.54
329	EHD4 EH domain-containing protein 4	IPI00005578	61,159.60	15	29	AGGADAVQTVTGGLR	R	S	1,372.72
330	STMN1 Stathmin	IPI00479997	17,285.00	15	27	ASGQAFELILSPR	R	S	1,388.75
331	HNRNPA1 Isoform A1-B of Heterogeneous nuclear ribonucleoprotein A1	IPI00215965,IPI00465365	38,828.10	15	31	KLFIGGLSFETTDESLR	R	S	1,913.00
332	ANP32A Acidic leucine-rich nuclear phosphoprotein 32 family member A	IPI00025849	28,568.10	15	28	TPSDVKELVLDNSR	R	S	1,572.82
333	RPS6 40S ribosomal protein S6	IPI00021840	28,663.70	15	25	LIEVDDERKLR	K	T	1,385.77
334	UBE2S Ubiquitin-conjugating enzyme E2 S	IPI00217949	23,828.40	15	32	LVYKEVTTLTADPPDGIK	R	V	1,960.06
335	COPZ1 Coatomer subunit zeta-1	IPI00032851	20,180.90	15	29	AILILDNDGDRLFAK	K	Y	1,673.92
336	CBR1 Carbonyl reductase [NADPH] 1	IPI00295386	30,356.80	16	23	GIGLAIVR	K	D	798.5197
337	C2orf34 Isoform 1 of Uncharacterized protein C2orf34	IPI00470629,IPI00855870,IPI00893022,IPI00893409	36,110.20	16	28	AAGGSPAVGCTTR	R	G	1,204.57
338	CCT6A T-complex protein 1 subunit zeta	IPI00027626,IPI00552590	58,007.30	16	28	AQAALAVNISAAR	R	G	1,255.71
339	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	16	28	GNPTVEVDLFTSK	R	G	1,406.72
340	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	16	28	GNPTVEVDLFTSK	R	G	1,406.72
341	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	16	28	GNPTVEVDLFTSK	R	G	1,406.72
342	ENO2 Gamma-enolase	IPI00216171	47,251.70	16	28	GNPTVEVDLYTAK	R	G	1,406.72
343	RNASEH2A Ribonuclease H2 subunit A	IPI00290192	33,377.00	16	25	LSSPVPVAVCR	R	K	1,085.58
344	RNASEH2A Ribonuclease H2 subunit A	IPI00290192	33,377.00	16	25	LSSPVPVAVCR	R	K	1,085.58
345	HN1L Isoform 1 of Hematological and neurological expressed 1-like protein	IPI00027397,IPI00909195	20,045.60	16	42	AMKPPGGESSNLFGSPEEAT PSSRPNR	R	M	2,816.33
346	RPL23 60S ribosomal protein L23	IPI00010153,IPI00795408	14,847.90	16	35	ISLGLPVGAVINCADNTGAK	R	N	1,970.04
347	RPL23 60S ribosomal protein L23	IPI00010153,IPI00795408	14,847.90	16	35	ISLGLPVGAVINCADNTGAK	R	N	1,970.04
348	PPP1CA Serine/threonine-protein phosphatase PP1-alpha catalytic subunit	IPI00550451	37,495.90	16	26	LLEVQGSRP GK	R	N	1,183.68
349	GTF2E2 Transcription initiation factor IIE subunit beta	IPI00019981	33,027.00	16	25	ALSTPVVEKR	R	S	1,099.65
350	HNRNPA1 Isoform A1-B of Heterogeneous nuclear ribonucleoprotein A1	IPI00215965,IPI00465365	38,828.10	16	31	LFIGGLSFETTDESLR	K	S	1,784.91
351	RAB6A Isoform 1 of Ras-related protein Rab-6A	IPI00023526,IPI00217943	23,575.30	16	26	LVFLGEQSVGK	K	T	1,176.66
352	MAPK1 Mitogen-activated protein kinase 1	IPI00003479	41,373.90	16	24	GQVFDVGP R	R	Y	974.5055
353	YEATS4 YEATS domain-containing protein 4	IPI00008536	26,482.30	16	32	VKGVTVKPIVYGNVAR	R	Y	1,813.11
354	PFKL Isoform 1 of 6-phosphofructokinase, liver type	IPI00332371,IPI00902982	85,001.20	17	35	AIGVLTSGGDAQGMNAAVR	K	A	1,803.90
355	RPLP0 60S acidic ribosomal protein P0	IPI00008530	34,256.30	17	26	IIQLDDYPK	K	C	1,217.68
356	PRDX1 Peroxiredoxin-1	IPI00000874	22,092.90	17	27	ATAVMPDGQFK	K	D	1,164.57
357	RHOG Rho-related GTP-binding protein RhoG	IPI00017342	21,290.10	17	30	TCLLICYTTFNAFPK	K	E	1,701.83
358	HNRNPH2 Heterogeneous nuclear ribonucleoprotein H2	IPI00026230	49,246.10	17	29	GLPWSCSADEV MR	R	F	1,523.66
359	HNRNPH2 Heterogeneous nuclear ribonucleoprotein H2	IPI00026230	49,246.10	17	29	GLPWSCSADEV MR	R	F	1,523.66
360	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	17	29	GLPWSCSADEVQR	R	F	1,504.69

361	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	17	29	GLPWSCSADEVQR	R	F	1,504.69
362	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	17	29	GLPWSCSADEVQR	R	F	1,504.69
363	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	17	29	GLPWSCSADEVQR	R	F	1,504.69
364	UBE2V1 Isoform 3 of Ubiquitin-conjugating enzyme E2 variant 1	IPI00472498,IPI00514724	16,477.10	17	26	LLEEELEGQK	R	G	1,187.62
365	RPL12 Isoform 1 of 60S ribosomal protein L12	IPI00024933	17,801.10	17	31	CTGGEV GATSALAPK	R	I	1,418.69
366	RPL12 Isoform 1 of 60S ribosomal protein L12	IPI00024933	17,801.10	17	31	CTGGEV GATSALAPK	R	I	1,418.69
367	PRDX2 Peroxiredoxin-2	IPI00027350	21,874.40	17	29	ATAVVDGAFKEVK	K	L	1,334.73
368	C16orf14 Isoform 1 of Uncharacterized protein C16orf14	IPI00042604	17,809.50	17	27	TGPTQQQVEGR	R	L	1,200.60
369	POLR2G DNA-directed RNA polymerase II subunit RPB7	IPI00218895	19,276.60	17	27	YFGPNLLNTVK	R	Q	1,265.69
370	CTPS2 CTP synthase 2	IPI00645702	65,661.40	17	28	GIIASSIGTILK	K	S	1,172.73
371	CTPS CTP synthase 1	IPI00290142	66,672.70	17	28	GIIASSVGTILK	K	S	1,158.71
372	NOC4L Nucleolar complex protein 4 homolog	IPI00031661	58,451.40	17	25	RLEAVLASR	R	S	1,014.61
373	CGGBP1 CGG triplet repeat-binding protein 1	IPI00295585	18,802.20	17	26	TALYVTP LDR	K	V	1,148.63
374	RPA1 Replication protein A 70 kDa DNA-binding subunit	IPI00020127	68,121.00	17	41	GDTNIK PILQVINIRPIT TGN SP PR	K	Y	2,714.53
375	EIF3K Eukaryotic translation initiation factor 3 subunit K	IPI00033143	25,042.40	17	31	GIDRYNPENL ATLER	K	Y	1,760.89
376	DDAH2 N(G),N(G)-dimethylarginine dimethylaminohydrolase 2	IPI00000760	29,626.30	18	40	GVPE SLASGEGAGAL PALD LAK	R	A	2,080.09
377	ILF3 Isoform 1 of Interleukin enhancer-binding factor 3	IPI00298788	95,320.90	18	40	HSSVYPTQEELEAVQNMVSH TER	K	A	2,671.24
378	DDX56 Probable ATP-dependent RNA helicase DDX56	IPI00302281	61,573.50	18	36	LLQAVTDLGWSRPTLIQEK	R	A	2,168.21
379	RPS10 40S ribosomal protein S10	IPI00008438	18,880.30	18	25	EGVMVAKK	K	D	861.4863
380	TCEAL8 Transcription elongation factor A protein-like 8	IPI00217810	13,597.70	18	51	AEEDRPLEDV PQEAEGNPQP SEEGVSQEAEGNPR	K	G	3,689.64
381	AK2 Isoform 1 of Adenylate kinase isoenzyme 2, mitochondrial	IPI00215901	26,461.00	18	28	AVLLGPPGAGK	R	G	979.5937
382	AK2 Isoform 1 of Adenylate kinase isoenzyme 2, mitochondrial	IPI00215901	26,461.00	18	28	AVLLGPPGAGK	R	G	979.5937
383	PDCL3 Phosducin-like protein 3	IPI00031629	27,597.50	18	38	GILPPKESLKELEEEAE EEEQR	K	I	2,453.24
384	PCBP2 poly(rC) binding protein 2 isoform b	IPI00012066,IPI00790627	38,204.50	18	31	LLMHGKEVGSII GK	R	K	1,497.85
385	PCBP2 poly(rC) binding protein 2 isoform b	IPI00012066,IPI00790627	38,204.50	18	31	LLMHGKEVGSII GK	R	K	1,497.85
386	PCBP1 Poly(rC)-binding protein 1	IPI00016610	37,480.20	18	31	LLMHGKEVGSII GK	R	K	1,497.85
387	PCBP1 Poly(rC)-binding protein 1	IPI00016610	37,480.20	18	31	LLMHGKEVGSII GK	R	K	1,497.85
388	HNRNPC Isoform C1 of Heterogeneous nuclear ribonucleoproteins C1/C2	IPI00216592,IPI00477313,IPI00909232	32,320.00	18	29	VFIGNLN TLVVK	R	K	1,316.79
389	PSMD4 Isoform Rpn10A of 26S proteasome non-ATPase regulatory subunit 4	IPI00022694	40,719.20	18	25	NGDFLPTR	R	L	919.4633
390	EMD Emerin	IPI00032003	28,976.90	18	32	RYNIPHG PVVGSTRR	R	L	1,708.94
391	KHDRBS1 Isoform 1 of KH domain-containing, RNA-binding, signal transduction-associated protein 1	IPI00008575,IPI00385834,IPI00479209	48,210.20	18	31	SGSMDPSGAHPSVR	R	Q	1,400.62
392	RPL26 60S ribosomal protein L26	IPI00027270	17,240.40	18	26	HFNAPSHIR	R	R	1,078.55
393	RPL30 60S ribosomal protein L30	IPI00219156,IPI00872940	12,766.70	18	23	LQLVMK	R	S	731.4485
394	SFRS1 Isoform ASF-1 of Splicing factor, arginine/serine-rich 1	IPI00215884	27,727.10	18	28	IYVGNLPPDIR	R	T	1,256.70
395	ATP1B3 Sodium/potassium-transporting ATPase subunit beta-3	IPI00008167	31,495.70	18	31	LFYNP TTGEFLGR	K	T	1,627.85
396	ATP1B3 Sodium/potassium-transporting ATPase subunit beta-3	IPI00008167	31,495.70	18	31	LFYNP TTGEFLGR	K	T	1,627.85
397	ATP1B3 Sodium/potassium-transporting ATPase subunit beta-3	IPI00008167	31,495.70	18	31	LFYNP TTGEFLGR	K	T	1,627.85

398	CUGBP1 Isoform 1 of CUG-BP- and ETR-3-like factor 1	IPI00034015,IPI00218388,IPI00218389,IPI00853009	52,046.00	18	25	MFVQGQVPR	K	T	949.4925
399	CENPV Isoform 3 of Proline-rich protein 6	IPI00376481	29,713.00	18	38	SGASAAPAASAAAALAPSATR	R	T	1,769.91
400	PDLIM1 PDZ and LIM domain protein 1	IPI00010414	36,053.30	18	32	LVGGKDFEQPLAISR	R	V	1,629.90
401	PAICS phosphoribosylaminoimidazole carboxylase, phosphoribosylaminoimidazole succinocarboxamide synthetase isoform 1	IPI00815732	47,941.00	18	30	TKEVYELLDSPGK	K	V	1,478.77
402	YEATS4 YEATS domain-containing protein 4	IPI00008536	26,482.30	18	32	GVTIVKPIVYGNVAR	K	Y	1,585.94
403	AASDHPPT L-aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase	IPI00250297	35,759.10	19	30	WAFSCGTWLPSPR	R	A	1,467.68
404	YWHAB Isoform Short of 14-3-3 protein beta/alpha	IPI00759832	27,832.80	19	27	YDDMAAAMK	R	A	1,047.41
405	YWHAQ 14-3-3 protein theta	IPI00018146	27,747.40	19	27	YDDMATCMK	R	A	1,166.42
406	TCEA1 Isoform 1 of Transcription elongation factor A protein 1	IPI00333215	33,952.60	19	29	KNAAGALDLLK	K	E	1,113.66
407	NME2 Nucleoside diphosphate kinase B	IPI00026260	17,280.20	19	27	GLVGEIIKR	R	F	984.6202
408	PFDN2 Prefoldin subunit 2	IPI00006052	16,629.80	19	32	GAVSAEQVIAGFNR	K	L	1,418.74
409	PBK cDNA FLJ58333, highly similar to T-lymphokine-activated killer cell-originated protein kinase	IPI00306708	37,194.90	19	37	SVLCSTPTINIPASPFMQK	K	L	2,091.06
410	PSMA1 Isoform Short of Proteasome subunit alpha type-1	IPI00016832,IPI00472442	29,538.00	19	30	IHQIEYAMEAVK	R	Q	1,447.73
411	EMD Emerin	IPI00032003	28,976.90	19	31	YNIPHGPPVVGSTR	R	R	1,396.73
412	PSMD10 26S proteasome non-ATPase regulatory subunit 10	IPI00003565,IPI00027699	24,410.20	19	30	LEELKESILADK	K	S	1,387.77
413	TCP1 T-complex protein 1 subunit alpha	IPI00290566	60,327.20	19	33	SQNVMAAASIANIVK	R	S	1,532.81
414	TCP1 T-complex protein 1 subunit alpha	IPI00290566	60,327.20	19	33	SQNVMAAASIANIVK	R	S	1,532.81
415	YWHAZ 14-3-3 protein zeta/delta	IPI00021263	27,727.90	19	27	YDDMAACMK	R	S	1,136.41
416	ARL5B ADP-ribosylation factor-like protein 5B	IPI00102036	20,357.10	19	29	VIIVGLDNAGK	K	T	1,098.65
417	FLOT1 Flotillin-1	IPI00027438	47,336.80	19	28	SPPVMVAGGR	R	V	970.5139
418	SYNGR2 Synaptogyrin-2	IPI00013946,IPI00654744,IPI00789763	24,792.20	20	29	FLTQPQVVAR	R	A	1,158.66
419	UNG Isoform 2 of Uracil-DNA glycosylase	IPI00011069	34,627.40	20	50	HAPSPEPAVQGTGVAGVPPEE	R	A	2,938.49
420	HSPH1 Isoform Beta of Heat shock protein 105 kDa	IPI00218993,IPI00513743	92,099.00	20	33	SGDAAAIPAKK AGGIETIANEFSDR	R	C	1,479.71
421	HSPA4 Heat shock 70 kDa protein 4	IPI00002966	94,313.90	20	33	AGGIETIANEYSDR	R	C	1,495.70
422	PSMB2 Proteasome subunit beta type-2	IPI00028006	22,819.50	20	29	VAASNIVQMK	R	D	1,076.58
423	GSTP1 Glutathione S-transferase P	IPI00219757	23,338.70	20	30	MLLADQGQSWK	R	E	1,292.63
424	UCHL1 Ubiquitin carboxyl-terminal hydrolase isozyme L1	IPI00018352	24,806.30	20	27	LGVAGQWR	R	F	886.4894
425	EIF3H Eukaryotic translation initiation factor 3, subunit 3 gamma, 40kDa, isoform CRA_b	IPI00647650	41,563.70	20	38	EGTGSTATSSSSTAGAAGK	K	G	1,627.74
426	TCEB2 Transcription elongation factor B polypeptide 2	IPI00026670,IPI00410162,IPI00917694	13,115.20	20	29	ESSTVFELKR	K	I	1,195.63
427	TUBB Tubulin beta chain	IPI00011654	49,652.60	20	46	FWEVISDEHGIDPTGTYHGDS	K	I	3,102.41
428	TUBB Tubulin beta chain	IPI00011654	49,652.60	20	46	DLQLDR FWEVISDEHGIDPTGTYHGDS	K	I	3,102.41
429	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	20	46	DLQLDR FWEVISDEHGIDPTGTYHGDS	K	I	3,116.42
430	UNG Isoform 2 of Uracil-DNA glycosylase	IPI00011069	34,627.40	20	49	DLQLER HAPSPEPAVQGTGVAGVPPEE	R	K	2,810.40
431	YWHAE 14-3-3 protein epsilon	IPI00000816	29,157.00	20	28	SGDAAAIPAK YDEMVESMK	R	K	1,163.46
432	NOSIP Nitric oxide synthase-interacting protein	IPI00006408	33,154.00	20	34	KKDTAASGYGTQNIR	K	L	1,609.83
433	PMVK Phosphomevalonate kinase	IPI00220648	21,977.00	20	32	SGKDFVTEALQSR	K	L	1,437.73
434	TPT1 Translationally-controlled tumor protein	IPI00550900	19,578.20	20	34	IREIADGLCLEVEGK	K	M	1,701.88
435	DHFR Dihydrofolate reductase	IPI00030357,IPI00887771	21,435.30	20	29	NGDLPWPPLR	K	N	1,164.62
436	UBA2 SUMO-activating enzyme subunit 2	IPI00023234	71,207.20	20	34	VLVVGAGGIGCELLK	R	N	1,484.85

437	YWHAG 14-3-3 protein gamma	IPI00220642	28,285.10	20	28	YDDMAAAMK	R	N	1,047.41
438	YWHAG 14-3-3 protein gamma	IPI00220642	28,285.10	20	42	YDDMAAAMKNVTELNEPLSN EER	R	N	2,672.18
439	ARL1 ADP-ribosylation factor-like protein 1	IPI00219518,IPI00908516	20,400.20	20	30	ILILGLDGAGK	R	T	1,069.66
440	ARL3 ADP-ribosylation factor-like protein 3	IPI00003327	20,438.30	20	30	ILLGLDNAGK	R	T	1,126.68
441	ARF1 ADP-ribosylation factor 1	IPI00215914,IPI00215917	20,679.60	20	30	ILMVGLDAAGK	R	T	1,103.61
442	ARF4 ADP-ribosylation factor 4	IPI00215918	20,493.60	20	30	ILMVGLDAAGK	R	T	1,103.61
443	PPIA Peptidyl-prolyl cis-trans isomerase A	IPI00419585,IPI00887678	17,994.90	20	31	VSFELFADKVPK	R	T	1,379.76
444	PPIA Peptidyl-prolyl cis-trans isomerase A	IPI00419585,IPI00887678	17,994.90	20	31	VSFELFADKVPK	R	T	1,379.76
445	PPIA Peptidyl-prolyl cis-trans isomerase A	IPI00419585,IPI00887678	17,994.90	20	28	VSFELFADK	R	V	1,055.54
446	PPIA Peptidyl-prolyl cis-trans isomerase A	IPI00419585,IPI00887678	17,994.90	20	28	VSFELFADK	R	V	1,055.54
447	RPS24 Isoform 1 of 40S ribosomal protein S24	IPI00029750,IPI00847986,IPI00903204,IPI00915363,IPI00915463	15,405.80	21	32	KQMVIDVLHPGK	R	A	1,364.77
448	EEF1A2 Elongation factor 1-alpha 2	IPI00014424	50,452.60	21	30	STTTGHLIYK	K	C	1,120.60
449	EEF1A1 Elongation factor 1-alpha 1	IPI00396485	50,123.20	21	30	STTTGHLIYK	K	C	1,120.60
450	YIF1B Isoform 3 of Protein YIF1B	IPI00063544,IPI00735552,IPI00736813	33,948.30	21	45	RIPVSQLPMADPHQLFDDTS SAQSR	R	G	2,756.31
451	HNRNPA3 Isoform 1 of Heterogeneous nuclear ribonucleoprotein A3	IPI00419373	39,577.10	21	35	RGEEGHDPKEPEQLR	R	K	1,776.86
452	PSMA5 Proteasome subunit alpha type-5	IPI00291922	26,393.30	21	32	LFQVEYAIEAIK	R	L	1,423.78
453	CHAC2 Cation transport regulator-like protein 2	IPI00103047	20,857.10	21	30	LVGYITNYSR	K	R	1,185.63
454	NUDT4;NUDT4P1 Isoform 2 of Diphosphoinositol polyphosphate phosphohydrolase 2	IPI00021408,IPI00607685	20,416.00	21	27	AACLCFR	R	S	897.407
455	ANP32A Acidic leucine-rich nuclear phosphoprotein 32 family member A	IPI00025849	28,568.10	21	28	ELVLDNSR	K	S	945.5
456	EEF2 Elongation factor 2	IPI00186290	95,322.10	21	32	NMSVIAHVDHGK	R	S	1,323.65
457	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IPI00290770,IPI00553185	60,446.30	21	31	KVQSGNINAAK	R	T	1,129.63
458	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IPI00290770,IPI00553185	60,446.30	21	31	KVQSGNINAAK	R	T	1,129.63
459	CBX3;LOC653972 Chromobox protein homolog 3	IPI00297579	20,794.00	21	34	KVEEAPEEFVVEK	K	V	1,661.83
460	AP3M1 AP-3 complex subunit mu-1	IPI00032459	46,922.00	22	38	SVVSQSVCDYFFEAQEK	K	A	2,022.91
461	BAX Isoform Epsilon of Apoptosis regulator BAX	IPI00071059,IPI00443773,IPI00444945,IPI00845474	18,111.40	22	34	TGALLLQGFQDR	K	A	1,431.80
462	BAX Isoform Epsilon of Apoptosis regulator BAX	IPI00071059,IPI00443773,IPI00444945,IPI00845474	18,111.40	22	34	TGALLLQGFQDR	K	A	1,431.80
463	ADRM1 Proteasomal ubiquitin receptor ADRM1	IPI00033030,IPI00470921	42,136.20	22	27	YLVEFR	K	A	826.4457
464	SPC25 Kinetochore protein Spc25	IPI00010219	26,136.20	22	33	STDTSCQMAGLR	K	D	1,342.57
465	- Putative uncharacterized protein ENSP00000348237	IPI00453476,IPI00549725	28,832.80	22	40	FSGWYDADLSPAGHEEAKR	R	G	2,135.98
466	RPL21;LOC729402 60S ribosomal protein L21	IPI00247583,IPI00887074,IPI00888913	18,547.00	22	32	HGVVPLATYMR	K	I	1,243.66
467	LOC728825 SMT3 suppressor of mif two 3 homolog 2 isoform b precursor	IPI00140827,IPI00299149,IPI00745893,IPI00790142	10,821.10	22	33	VAGQDGSVVQFK	K	I	1,234.64
468	LOC728825 SMT3 suppressor of mif two 3 homolog 2 isoform b precursor	IPI00140827,IPI00299149,IPI00745893,IPI00790142	10,821.10	22	33	VAGQDGSVVQFK	K	I	1,234.64
469	SRP14 Signal recognition particle 14 kDa protein	IPI00293434	14,552.60	22	31	TSGSVYITLK	R	K	1,068.59
470	RAB7A Ras-related protein Rab-7a	IPI00016342	23,472.00	22	31	TSLMNQYVVK	K	K	1,197.59
471	RPL13 60S ribosomal protein L13	IPI00465361	24,244.20	22	31	VATWFNQPAP	R	K	1,189.61
472	NOSIP Nitric oxide synthase-interacting protein	IPI00006408	33,154.00	22	34	DTAASGYGTQNR	K	L	1,353.64
473	BUB3 Mitotic checkpoint protein BUB3	IPI00013468,IPI00514701,IPI00644108	37,136.70	22	40	FSPNTSQFLLVSSWDTSVR	K	L	2,171.08
474	TPT1 Translationally-controlled tumor protein	IPI00550900	19,578.20	22	34	EIADGLCLEVEGK	R	M	1,432.70
475	PHGDH D-3-phosphoglycerate dehydrogenase	IPI00011200	56,632.60	22	33	ILQDGGQLQVVEK	K	Q	1,298.73
476	- Putative uncharacterized protein ENSP00000348237	IPI00453476,IPI00549725	28,832.80	22	39	FSGWYDADLSPAGHEEAK	R	R	1,979.88
477	HIST1H4H;HIST2H4A;HIST4H4;HIST1H4F;HIST1H4D;HIST1H4K;HIST1H4C;HIST1H4J;HIST1H4A;HIST1H4I;HIST1H4B;HIST2H4B;HIST1H4E;HIST1H4I Histone H4	IPI00453473	11,349.70	22	36	VLRDNIQGITKPAIR	K	R	1,694.01

478	HIST1H4H;HIST2H4A;HIST4H4;HIST1H4F;HIST1H4D;HIST1H4K;HIST1H4C;HIST1H4J;HIST1H4A;HIST1H4I;HIST1H4B;HIST2H4B;HIST1H4E;HIST1H4I Histone H4	IP100453473	11,349.70	22	36	VLRDNIQGITKPAIR	K	R	1,694.01
479	HIST1H4H;HIST2H4A;HIST4H4;HIST1H4F;HIST1H4D;HIST1H4K;HIST1H4C;HIST1H4J;HIST1H4A;HIST1H4I;HIST1H4B;HIST2H4B;HIST1H4E;HIST1H4I Histone H4	IP100453473	11,349.70	22	36	VLRDNIQGITKPAIR	K	R	1,694.01
480	HIST1H4H;HIST2H4A;HIST4H4;HIST1H4F;HIST1H4D;HIST1H4K;HIST1H4C;HIST1H4J;HIST1H4A;HIST1H4I;HIST1H4B;HIST2H4B;HIST1H4E;HIST1H4I Histone H4	IP100453473	11,349.70	22	36	VLRDNIQGITKPAIR	K	R	1,694.01
481	HNRNP K Isoform 1 of Heterogeneous nuclear ribonucleoprotein K	IP100216049,IP100216746,IP100807545,IP100910458	50,960.50	22	35	RPAEDMEEEEQAFKR	K	S	1,751.80
482	HIST1H2AB;HIST1H2AE Histone H2A type 1-B/E	IP100026272,IP100031562,IP100216456	14,118.00	22	30	AGLQFPVGR	R	V	944.5313
483	HIST1H2AB;HIST1H2AE Histone H2A type 1-B/E	IP100026272,IP100031562,IP100216456	14,118.00	22	30	AGLQFPVGR	R	V	944.5313
484	HIST1H2AB;HIST1H2AE Histone H2A type 1-B/E	IP100026272,IP100031562,IP100216456	14,118.00	22	30	AGLQFPVGR	R	V	944.5313
485	HIST1H2AH Histone H2A type 1-H	IP100081836,IP100216457,IP100220855,IP100255316,IP100291764,IP100339274,IP100552873,IP100902514	13,888.80	22	30	AGLQFPVGR	R	V	944.5313
486	HIST1H2AH Histone H2A type 1-H	IP100081836,IP100216457,IP100220855,IP100255316,IP100291764,IP100339274,IP100552873,IP100902514	13,888.80	22	30	AGLQFPVGR	R	V	944.5313
487	DCXR L-xylulose reductase	IP100448095,IP100797249	25,894.20	22	33	GTVQALHATGAR	R	V	1,181.64
488	CBX3;LOC653972 Chromobox protein homolog 3	IP100297579	20,794.00	22	34	VEEAPEEEFVVEK	K	V	1,533.73
489	ATIC Bifunctional purine biosynthesis protein PURH	IP100289499	64,598.50	23	39	NLTALGLNLVASGGTAK	R	A	1,599.91
490	AP3S2 AP-3 complex subunit sigma-2	IP100025115	21,999.80	23	33	FPEEIQQQIVR	R	E	1,386.74
491	FAM96B UPF0195 protein FAM96B	IP100007024	17,644.70	23	44	SGERPVTAGEEDEQVPDSIDAR	R	E	2,357.09
492	GNB1 Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1	IP100026268	37,359.50	23	42	KACADATLSQITNNIDPVGR	R	I	2,144.08
493	CDK2 Cell division protein kinase 2	IP100031681	33,912.70	23	34	NKLTGEVVALKK	R	I	1,299.80
494	CDK2 Cell division protein kinase 2	IP100031681	33,912.70	23	34	NKLTGEVVALKK	R	I	1,299.80
495	NAPA Alpha-soluble NSF attachment protein	IP100009253	33,216.10	23	37	NSQSFFSGLFGGSSK	K	I	1,549.73
496	NAPA Alpha-soluble NSF attachment protein	IP100009253	33,216.10	23	37	NSQSFFSGLFGGSSK	K	I	1,549.73
497	NP cDNA FLJ25678 fis, clone TST04067, highly similar to PURINE NUCLEOSIDE PHOSPHORYLASE SERPINH1 Serpin H1	IP100017672,IP100871140	32,533.50	23	41	HRPQVAIICGSLGGLTDK	K	L	1,979.05
498	HMOX1 Heme oxygenase 1	IP100032140	46,424.00	23	35	KPAAAAAPGTAEK	K	L	1,182.65
499	CAMK2G Isoform 4 of Calcium/calmodulin-dependent protein kinase type II gamma chain	IP100215893	32,801.10	23	35	EVHTQAENAEFMR	K	N	1,577.70
500	CAMK2D Isoform Delta 6 of Calcium/calmodulin-dependent protein kinase type II delta chain	IP100172450,IP100172452,IP100296678,IP100334344,IP100336118,IP100556423,IP100646849,IP100908444,IP100915309,IP100915327,IP100915383,IP100915393	59,589.60	23	29	GAFSVVR	K	R	735.4147
501	NHP2 H/ACA ribonucleoprotein complex subunit 2	IP100172636,IP100430291,IP100827573,IP100827625,IP100876923	54,111.10	23	29	GAFSVVR	K	R	735.4147
502	RAB5B Ras-related protein Rab-5B	IP100041325,IP100654617	17,183.10	23	41	TYQELLVNQNPQAQPLASR	R	R	2,155.15
503	CDK5 Cell division protein kinase 5	IP100017344,IP100908835	23,688.90	23	33	LVLGSAVVGK	K	S	1,085.66
504	ACTR1A Alpha-centractin	IP100023530	33,287.80	23	34	NRETHEIVALKR	K	V	1,465.82
505	RBMX Heterogeneous nuclear ribonucleoprotein G	IP100029468,IP100908883	42,597.20	23	32	AGFAGDQIPK	K	Y	1,003.52
506	RBMX Heterogeneous nuclear ribonucleoprotein G	IP100304692	42,315.70	23	30	ALEAVFGK	K	Y	834.472
507	PDE12 Isoform 1 of 2',5'-phosphodiesterase 12	IP100304692	42,315.70	23	30	ALEAVFGK	K	Y	834.472
508	HEBP1 Heme-binding protein 1	IP100174390,IP100886797	67,333.70	24	37	AEAGSQTAAGAMER	R	A	1,365.61
509	RPL14 Ribosomal protein L14 variant	IP100148063	21,079.40	24	34	GDKEEVAYEER	K	A	1,324.60
510	PSMD6 26S proteasome non-ATPase regulatory subunit 6	IP100555744	23,769.70	24	35	LVAIVDVIDQNR	K	A	1,354.77
511	PSMB4 Proteasome subunit beta type-4	IP100014151	45,515.40	24	32	FLLSLPEHR	R	G	1,111.63
512	RPS12 40S ribosomal protein S12	IP100555956	29,187.00	24	40	IPSTPDSFMDPASALYR	R	G	1,883.88
513	RPL9 60S ribosomal protein L9	IP100013917,IP100847579	14,507.70	24	33	TALIHDLGLAR	K	G	1,066.60
514	RAN GTP-binding nuclear protein Ran	IP100031691	21,845.70	24	31	TVIVKQPR	R	G	869.5568
515		IP100643041,IP100795671	24,405.10	24	29	TTFVKR	K	H	751.4461

516	RPL31 60S ribosomal protein L31	IPI00026302	14,445.20	24	32	EYTIHHR	R	I	1,173.64
517	RPL7 60S ribosomal protein L7	IPI00030179,IPI00472171,IPI00871827	29,209.70	24	29	NFAELK	R	I	721.3879
518	H1FX Histone H1x	IPI00021924	22,469.90	24	34	AGGSAALSPSK	K	K	945.5
519	KIAA0101 PCNA-associated factor	IPI00014147,IPI00790491,IPI00792465	11,968.50	24	41	KVLGSSTSATNSTSVSSR	R	K	1,768.90
520	CHCHD2 Coiled-coil-helix-coiled-coil-helix domain-containing protein 2, mitochondrial	IPI00007673,IPI00872610	15,494.30	24	51	AAPRPAPVAQPPAAAPPSAV	R	Q	2,533.36
521	CHCHD2 Coiled-coil-helix-coiled-coil-helix domain-containing protein 2, mitochondrial	IPI00007673,IPI00872610	15,494.30	24	51	AAPRPAPVAQPPAAAPPSAV	R	Q	2,533.36
522	CALD1 Isoform 5 of Caldesmon	IPI00333771	61,195.30	24	35	NDDDEEEAARER	R	R	1,448.59
523	RAB5C Ras-related protein Rab-5C	IPI00016339	23,464.70	24	34	LVLGSAVAVGK	K	S	1,085.66
524	PSMC2 26S protease regulatory subunit 7	IPI00021435	48,617.60	24	34	ALDEGDIALLK	R	T	1,157.64
525	RPS17 40S ribosomal protein S17	IPI00221093	15,532.50	24	33	LGDNFHTNKR	R	V	1,201.61
526	LAGE3 L antigen family member 3	IPI00032314	14,785.70	25	47	GGVDTAAAPAGGAPPAHAPG	R	D	1,951.97
527	PHB2 Prohibitin-2	IPI00027252	33,279.60	25	37	LLLGAAGAVAYGVR	K	E	1,259.75
528	ZNF593 zinc finger protein 593	IPI00026276,IPI00844193	15,181.40	25	33	RPDLDEIHR	R	E	1,150.60
529	COPG2 Coatomer subunit gamma-2	IPI00002557	97,606.50	25	32	SAVLQEAR	K	I	873.4788
530	PSME1 Proteasome activator complex subunit 1	IPI00479722,IPI00748256	28,705.80	25	35	TENLLGSYFPK	K	K	1,268.65
531	DCUN1D1 DCN1-like protein 1	IPI00291893,IPI00749447,IPI00910838	30,107.90	25	36	TAVSCLSQNDWK	K	L	1,408.65
532	EEF1D Elongation factor 1-delta	IPI00023048	31,103.90	25	38	FYEQMNGPVAGASR	R	Q	1,526.71
533	SNF8 Isoform 1 of Vacuolar-sorting protein SNF8	IPI00101524,IPI00640699	28,846.90	25	38	GTVLAEDQLAQMSK	R	Q	1,506.75
534	HIST1H4H;HIST2H4A;HIST4H4;HIST1H4F;HIST1H4D;HIST1H4K;HIST1H4C;HIST1H4J;HIST1H4A;HIST1H4I;HIST1H4B;HIST2H4B;HIST1H4E;HIST1H4I Histone H4	IPI00453473	11,349.70	25	36	DNIQGITKPAIR	R	R	1,325.75
535	HIST1H4H;HIST2H4A;HIST4H4;HIST1H4F;HIST1H4D;HIST1H4K;HIST1H4C;HIST1H4J;HIST1H4A;HIST1H4I;HIST1H4B;HIST2H4B;HIST1H4E;HIST1H4I Histone H4	IPI00453473	11,349.70	25	36	DNIQGITKPAIR	R	R	1,325.75
536	HIST1H4H;HIST2H4A;HIST4H4;HIST1H4F;HIST1H4D;HIST1H4K;HIST1H4C;HIST1H4J;HIST1H4A;HIST1H4I;HIST1H4B;HIST2H4B;HIST1H4E;HIST1H4I Histone H4	IPI00453473	11,349.70	25	36	DNIQGITKPAIR	R	R	1,325.75
537	HIST1H4H;HIST2H4A;HIST4H4;HIST1H4F;HIST1H4D;HIST1H4K;HIST1H4C;HIST1H4J;HIST1H4A;HIST1H4I;HIST1H4B;HIST2H4B;HIST1H4E;HIST1H4I Histone H4	IPI00453473	11,349.70	25	36	DNIQGITKPAIR	R	R	1,325.75
538	HNRNPA0 Heterogeneous nuclear ribonucleoprotein A0	IPI00011913	30,822.50	25	46	GHFEAFGTLTDCVVVNPQT	R	S	2,475.25
539	OLA1 Isoform 1 of Olg-like ATPase 1	IPI00290416,IPI00916847	44,727.40	25	35	IGIVGLPNVGK	K	S	1,066.66
540	NPM1 Isoform 2 of Nucleophosmin	IPI00220740,IPI00549248	29,446.90	25	45	ADKDYHFKVDNDENEHQLSL	K	T	2,573.20
541	RPLP2 60S acidic ribosomal protein P2	IPI00008529	11,647.40	25	41	KILDSVGEADDDRLNK	K	V	1,901.00
542	COPG Coatomer subunit gamma	IPI00783982	97,701.40	25	32	SAVLQEAR	K	V	873.4788
543	AURKA Serine/threonine-protein kinase 6	IPI00298940	45,791.80	25	46	VLVTQQFPQCNPLPVNSGQA	R	V	2,481.27
544	PFKP 6-phosphofructokinase type C	IPI00009790	85,579.40	26	44	AIGVLTSGGDAQGMNAAVR	K	A	1,803.90
545	TSTA3 GDP-L-fucose synthetase	IPI00014361,IPI00791788,IPI00909958	35,874.60	26	44	VVADGAGLPGEDWVVFSSK	K	D	1,932.97
546	RFC5 Replication factor C subunit 5	IPI00031514,IPI00373883	38,480.40	26	46	YRPQTLNDLISHQDILSTIQK	K	F	2,483.33
547	MRPL11 39S ribosomal protein L11, mitochondrial	IPI00007001,IPI00333848	20,665.90	26	42	AGLAMPGPPLGPVLGQR	R	G	1,646.91
548	RNASEH2A Ribonuclease H2 subunit A	IPI00290192	33,377.00	26	38	KEPCVLGVDEAGR	R	G	1,429.71
549	DDX5 Probable ATP-dependent RNA helicase DDX5	IPI00017617	69,131.70	26	32	AGPLSGK	R	K	629.3618
550	DBR1 Isoform 1 of Lariat debranching enzyme	IPI00305545	61,538.00	26	44	RGPVLDLLCCGDFQAVR	R	N	2,130.06
551	RPL7A 60S ribosomal protein L7a	IPI00299573	29,978.30	26	34	KVVNPLFEK	K	R	1,073.64
552	C1orf174 UPF0688 protein C1orf174	IPI00844507,IPI00852747,IPI00872784	25,958.80	26	39	LASAEVAGSTSAK	R	T	1,319.68

553	PSMD4 Isoform Rpn10A of 26S proteasome non-ATPase regulatory subunit 4	IPI00022694	40,719.20	26	40	LQAQQDAVNIVCHSK	R	T	1,710.86
554	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	70,881.80	26	36	VEIANDQGNR	K	T	1,228.63
555	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	26	36	VEIANDQGNR	K	T	1,228.63
556	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	26	36	VEIANDQGNR	K	T	1,228.63
557	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	26	36	VEIANDQGNR	K	T	1,228.63
558	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	26	36	VEIANDQGNR	K	T	1,228.63
559	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	26	36	VEIANDQGNR	K	T	1,228.63
560	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	26	36	VEIANDQGNR	K	T	1,228.63
561	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	26	36	VEIANDQGNR	K	T	1,228.63
562	- cDNA FLJ54408, highly similar to Heat shock 70 kDa protein 1	IPI00911039	63,907.90	26	36	VEIANDQGNR	K	T	1,228.63
563	RPLP2 60S acidic ribosomal protein P2	IPI00008529	11,647.40	26	41	ILDSVGIEADDDRLNK	K	V	1,772.90
564	COMMD8 COMM domain-containing protein 8	IPI00016447,IPI00871891	21,072.90	27	34	IIDGICGR	K	A	903.4719
565	MYL6B;MYL6 Isoform Non-muscle of Myosin light polypeptide 6	IPI00335168,IPI00789605,IPI00796366	16,911.80	27	37	ILYSQCGDVMR	K	A	1,341.63
566	GRB2 Isoform 1 of Growth factor receptor-bound protein 2	IPI00021327	25,188.80	27	38	VLNEECDQNWYK	K	A	1,597.70
567	GRB2 Isoform 1 of Growth factor receptor-bound protein 2	IPI00021327	25,188.80	27	44	VLNEECDQNWYKAEIENGK	K	D	2,210.02
568	TSN Translin	IPI00018768,IPI00917623	26,165.40	27	36	VVQSLEQTAR	K	E	1,130.62
569	CD2BP2 CD2 antigen cytoplasmic tail-binding protein 2	IPI00006103	37,629.20	27	40	LVDPVAGSGGPGSR	K	F	1,268.66
570	PPP1CA Serine/threonine-protein phosphatase PP1-alpha catalytic subunit	IPI00550451	37,495.90	27	36	NVQLTENEIR	K	G	1,215.63
571	UBE2M NEDD8-conjugating enzyme Ubc12	IPI00022597	20,882.90	27	33	ASAAQLR	K	I	716.4049
572	KPNA1 Importin subunit alpha-1	IPI00303292	60,232.00	27	36	RREEEGLQLR	R	K	1,285.70
573	PM20D2 Peptidase M20 domain-containing protein 2	IPI00217852	47,758.70	27	37	SAECIDEAAER	R	L	1,250.53
574	POLD2 DNA polymerase delta subunit 2	IPI00025616,IPI00909525	51,272.00	27	40	VPVATYTNSSQPFR	R	L	1,566.79
575	IGF2BP2 insulin-like growth factor 2 mRNA binding protein 2 isoform a	IPI00179713,IPI00180983,IPI00743914	66,104.40	27	37	KLPLAGQVLLK	R	S	1,179.78
576	SEH1L Isoform A of Nucleoporin SEH1-like	IPI00185533,IPI00220609	39,630.00	27	37	MATCSSDQSVK	R	V	1,213.52
577	RDH11 Isoform 1 of Retinol dehydrogenase 11	IPI00339384	35,368.50	27	42	MLSSGVCTSTVQLPGK	K	V	1,680.83
578	ATP5O ATP synthase subunit O, mitochondrial	IPI00007611	23,259.40	27	40	LVRPPVQVYGIEGR	K	Y	1,582.91
579	RPL24 60S ribosomal protein L24	IPI00306332,IPI00791426,IPI00793696,IPI00873403	17,761.50	28	35	VFQFLNAK	K	C	966.5407
580	GSTZ1 glutathione transferase zeta 1 isoform 2	IPI00157928,IPI00556579,IPI00874143	19,355.70	28	40	GIDYETVPINLIK	K	D	1,474.82
581	CBR1 Carbonyl reductase [NADPH] 1	IPI00295386	30,356.80	28	38	LFSGDVVLTAR	R	D	1,177.66
582	EIF5A Isoform 1 of Eukaryotic translation initiation factor 5A-1	IPI00411704,IPI00855924	16,814.70	28	34	NGFVVVK	K	G	776.4665
583	PSMB3 Proteasome subunit beta type-3	IPI00028004	22,931.60	28	41	FGIQAQMVTDFQK	R	I	1,629.79
584	HMGN2 Non-histone chromosomal protein HMG-17	IPI00217950	9,375.10	28	42	LSAKPAPPKPEPKPK	R	K	1,584.95
585	HMGN2 Non-histone chromosomal protein HMG-17	IPI00217950	9,375.10	28	42	LSAKPAPPKPEPKPK	R	K	1,584.95
586	STMN1 Stathmin	IPI00479997	17,285.00	28	41	SKESVPEFPLSPPK	R	K	1,541.82
587	FKBP3 FK506-binding protein 3	IPI00024157	25,159.40	28	42	FLQEHGSDSFLAEHK	K	L	1,744.83
588	RPS19 40S ribosomal protein S19	IPI00215780	16,042.50	28	38	LKVPEWVDTVK	K	L	1,313.75
589	RPS13 40S ribosomal protein S13	IPI00221089	17,205.30	28	39	LTSDDVKEQIYK	K	L	1,438.74
590	WARS Tryptophanyl-tRNA synthetase, cytoplasmic	IPI00295400	53,149.60	28	41	AGNASKDEIDSAVK	K	M	1,404.70
591	YWHAQ 14-3-3 protein theta	IPI00018146	27,747.40	28	41	AVTEQGAELSNEER	K	N	1,532.72
592	YWHAQ 14-3-3 protein theta	IPI00018146	27,747.40	28	49	AVTEQGAELSNEERNLLSVAY	K	N	2,421.23
593	YWHAB Isoform Short of 14-3-3 protein beta/alpha	IPI00759832	27,832.80	28	41	AVTEQGHLSNEER	K	N	1,598.74
594	YWHAZ 14-3-3 protein zeta/delta	IPI00021263	27,727.90	28	41	SVTEQGAELSNEER	K	N	1,548.71
595	PSMC5 26S protease regulatory subunit 8	IPI00023919,IPI00745502	45,609.10	28	38	IEELQLIVNDK	K	S	1,313.73

596	SAR1A GTP-binding protein SAR1a	IPI00015954	22,349.70	28	38	LVFLGLDNAGK	K	T	1,146.65
597	KPNB1 Importin subunit beta-1	IPI00001639	97,153.30	28	42	AAVENLPTFLVELSR	R	V	1,658.91
598	RPS3 40S ribosomal protein S3	IPI00011253	26,670.50	28	40	ELAEDGYSGVEVR	R	V	1,423.67
599	RPS3 40S ribosomal protein S3	IPI00011253	26,670.50	28	40	ELAEDGYSGVEVR	R	V	1,423.67
600	THEM2 Thioesterase superfamily member 2	IPI00020530	14,942.60	28	37	ITLVSAAPGK	K	V	956.5776
601	PRDX1 Peroxiredoxin-1	IPI00000874	22,092.90	28	37	DISLSDYK GK	K	Y	1,125.58
602	NUDT4;NUDT4P1 Isoform 2 of Diphosphoinositol polyphosphate phosphohydrolase 2	IPI00021408,IPI00607685	20,416.00	28	41	SEQEDEVLLVSSSR	R	Y	1,577.77
603	RPS23 40S ribosomal protein S23	IPI00218606	15,789.70	29	37	KAHLGTALK	K	A	938.5783
604	PSMD9 Isoform p27-L of 26S proteasome non-ATPase regulator subunit 9	IPI00010860,IPI00216220,IPI00791380	24,635.20	29	38	RKEEIEAQIK	R	A	1,243.70
605	PARK7 Protein DJ-1	IPI00298547	19,873.10	29	48	AGIKVTVAGLAGKDPVQCSR	R	D	2,027.11
606	EIF2B1 Translation initiation factor eIF-2B subunit alpha	IPI00221300	33,695.20	29	36	TLLEFLKR	R	D	1,019.62
607	NUBP2 Nucleotide-binding protein 2	IPI00644674,IPI00872338	28,807.30	29	40	STISTELALALR	K	H	1,274.73
608	FLOT1 Flotillin-1	IPI00027438	47,336.80	29	40	VFVLPCIQQIQR	R	I	1,500.84
609	TRIP13 Isoform 1 of Thyroid receptor-interacting protein 13	IPI00003505	48,534.10	29	43	GSSTAKKEDINLSVR	R	K	1,604.86
610	MTHFD1 C-1-tetrahydrofolate synthase, cytoplasmic	IPI00218342,IPI00794900	101,543.50	29	37	EQVPGFTPR	K	L	1,030.53
611	UCHL5 Isoform 2 of Ubiquitin carboxyl-terminal hydrolase isozyme L5	IPI00219512,IPI00219513,IPI00299313,IPI00549820,IPI00549849,IPI00641843,IPI00642374	36,061.70	29	45	GAQVEEWSLEPENFEK	R	L	2,004.96
612	ALDOA Fructose-bisphosphate aldolase A	IPI00465439	39,402.60	29	43	GILAADESTGSIKR	K	L	1,488.80
613	ALG13 UDP-N-acetylglucosamine transferase subunit ALG13 homolog	IPI00020512	18,207.50	29	36	IESLGYNR	K	L	951.4894
614	YWHAH 14-3-3 protein eta	IPI00216319	28,201.60	29	42	AVTELNEPLSNEDR	K	N	1,586.77
615	YWHAE 14-3-3 protein epsilon	IPI00000816	29,157.00	29	42	KVAGMDVELTVEER	K	N	1,575.80
616	YWHAG 14-3-3 protein gamma	IPI00220642	28,285.10	29	42	NVTELNEPLSNEER	K	N	1,643.79
617	ALDOA Fructose-bisphosphate aldolase A	IPI00465439	39,402.60	29	42	GILAADESTGSIK	K	R	1,332.70
618	LOC284230 similar to mCG7611	IPI00176574,IPI00220344,IPI00742027,IPI00917181	12,423.10	29	38	GKDSLYAQQGK	K	R	1,066.55
619	SFRS3 Splicing factor, arginine/serine-rich 3	IPI00010204,IPI00843996	19,312.00	29	37	AFGYGGLR	R	S	1,043.53
620	SFRS3 Splicing factor, arginine/serine-rich 3	IPI00010204,IPI00843996	19,312.00	29	37	AFGYGGLR	R	S	1,043.53
621	SKP1 Isoform 1 of S-phase kinase-associated protein 1	IPI00301364	18,640.30	29	57	TMLEDLGMDDDEGDDDPVPLP	K	V	3,157.49
622	MXRA7 Isoform 2 of Matrix-remodeling-associated protein 7	IPI00397645,IPI00749188	17,475.40	30	39	NVNAAILKK GAAASPEPAR	R	A	926.469
623	HMGB2 High mobility group protein B2	IPI00219097	24,016.60	30	44	KHPDSSVNFSEFSK	K	C	1,720.87
624	ASRGL1 Isoform 1 of L-asparaginase	IPI00555734	32,036.10	30	39	AATVGYGILR	R	E	1,020.58
625	NDUFB10 NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 10	IPI00479905	20,758.70	30	43	AFDLIVDRPVTLVR	K	E	1,613.94
626	CXorf38 Isoform 1 of Uncharacterized protein CXorf38	IPI00152089,IPI00552646,IPI00910523	36,651.50	30	38	SCLQGFVGR	R	E	1,023.50
627	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	30	44	FFSDCKIQNGAQQGIR	R	F	1,740.85
628	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	30	35	FFSDCK	R	I	803.3393
629	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	30	35	FFSDCK	R	I	803.3393
630	HNRNPH2 Heterogeneous nuclear ribonucleoprotein H2	IPI00026230	49,246.10	30	35	FFSDCK	R	I	803.3393
631	HNRNPH2 Heterogeneous nuclear ribonucleoprotein H2	IPI00026230	49,246.10	30	35	FFSDCK	R	I	803.3393
632	HMGB1 High mobility group protein B1	IPI00419258	24,876.70	30	43	KHPDASVNFSEFSK	K	K	1,592.77
633	UBB;RPS27A;UBC ubiquitin and ribosomal protein S27a precursor	IPI00179330,IPI00456429,IPI00719280,IPI00743241,IPI00743650,IPI00744274,IPI00784990,IPI00789107,IPI00789823,IPI00790633,IPI00792712,IPI00793330,IPI00793729,IPI00793810,IPI00794211,IPI00794925,IPI00795527,IPI00796007,IPI00796600,IPI00797400,IPI00798127,IPI00798155	17,947.60	30	42	IQDKEGIPDQQR	K	L	1,523.78

634	UBB;RPS27A;UBC ubiquitin and ribosomal protein S27a precursor	UPI00179330,UPI00456429,UPI00719280,UPI00743241,UPI00743650,PI00744274,PI00784990,PI00789107,PI00789823,PI00790633,PI00792712,PI00793330,PI00793729,PI00793810,PI00794211,PI00794925,PI00795527,PI00796007,PI00796600,PI00797400,PI00798127,PI00798155	17,947.60	30	42	IQDKEGIPPDQQR	K	L	1,523.78
635	UBB;RPS27A;UBC ubiquitin and ribosomal protein S27a precursor	UPI00179330,UPI00456429,UPI00719280,UPI00743241,UPI00743650,PI00744274,PI00784990,PI00789107,PI00789823,PI00790633,PI00792712,PI00793330,PI00793729,PI00793810,PI00794211,PI00794925,PI00795527,PI00796007,PI00796600,PI00797400,PI00798127,PI00798155	17,947.60	30	42	IQDKEGIPPDQQR	K	L	1,523.78
636	UBB;RPS27A;UBC ubiquitin and ribosomal protein S27a precursor	UPI00179330,UPI00456429,UPI00719280,UPI00743241,UPI00743650,PI00744274,PI00784990,PI00789107,PI00789823,PI00790633,PI00792712,PI00793330,PI00793729,PI00793810,PI00794211,PI00794925,PI00795527,PI00796007,PI00796600,PI00797400,PI00798127,PI00798155	17,947.60	30	42	IQDKEGIPPDQQR	K	L	1,523.78
637	UBB;RPS27A;UBC ubiquitin and ribosomal protein S27a precursor	UPI00179330,UPI00456429,UPI00719280,UPI00743241,UPI00743650,PI00744274,PI00784990,PI00789107,PI00789823,PI00790633,PI00792712,PI00793330,PI00793729,PI00793810,PI00794211,PI00794925,PI00795527,PI00796007,PI00796600,PI00797400,PI00798127,PI00798155	17,947.60	30	42	IQDKEGIPPDQQR	K	L	1,523.78
638	UBB;RPS27A;UBC ubiquitin and ribosomal protein S27a precursor	UPI00179330,UPI00456429,UPI00719280,UPI00743241,UPI00743650,PI00744274,PI00784990,PI00789107,PI00789823,PI00790633,PI00792712,PI00793330,PI00793729,PI00793810,PI00794211,PI00794925,PI00795527,PI00796007,PI00796600,PI00797400,PI00798127,PI00798155	17,947.60	30	42	IQDKEGIPPDQQR	K	L	1,523.78
639	UBB;RPS27A;UBC ubiquitin and ribosomal protein S27a precursor	UPI00179330,UPI00456429,UPI00719280,UPI00743241,UPI00743650,PI00744274,PI00784990,PI00789107,PI00789823,PI00790633,PI00792712,PI00793330,PI00793729,PI00793810,PI00794211,PI00794925,PI00795527,PI00796007,PI00796600,PI00797400,PI00798127,PI00798155	17,947.60	30	42	IQDKEGIPPDQQR	K	L	1,523.78
640	UBB;RPS27A;UBC ubiquitin and ribosomal protein S27a precursor	UPI00179330,UPI00456429,UPI00719280,UPI00743241,UPI00743650,PI00744274,PI00784990,PI00789107,PI00789823,PI00790633,PI00792712,PI00793330,PI00793729,PI00793810,PI00794211,PI00794925,PI00795527,PI00796007,PI00796600,PI00797400,PI00798127,PI00798155	17,947.60	30	42	IQDKEGIPPDQQR	K	L	1,523.78
641	TOMM20 Mitochondrial import receptor subunit TOM20 homolog	UPI00016676	16,280.30	30	37	SDPNFKNR	R	L	977.4799
642	CYB5R3 Isoform 1 of NADH-cytochrome b5 reductase 3	UPI00328415,UPI00446235,UPI00871319	34,218.30	30	46	STPAITLESPIKYPLR	R	L	1,901.04
643	YWHAE 14-3-3 protein epsilon	UPI00000816	29,157.00	30	42	VAGMDVELTVEER	K	N	1,447.71
644	RUVBL2 RuvB-like 2	UPI00009104	51,140.10	30	40	GLGLDDALEPR	R	Q	1,155.60
645	CDKN2A Cyclin-dependent kinase inhibitor	UPI00001560	17,865.30	30	46	ALLEAGALPNAPNSYGR	R	R	1,713.89
646	COMMD2 COMM domain-containing protein 2	UPI00456048	22,727.60	30	36	IAVEFLR	R	R	847.5036
647	MLF2 Myeloid leukemia factor 2	UPI00023095	28,129.90	30	56	MLSGGFGYSPFLSITDGNMP	R	R	2,832.34
648	TNPO3 Isoform 2 of Transportin-3	UPI00395694,UPI00455125,UPI00455127,UPI00872398	104,186.30	30	39	GTRPASR ASFWLGLQLQR	R	S	1,206.63
649	HDGF Hepatoma-derived growth factor	UPI00020956	26,770.50	30	39	IDEMPEAAVK	R	S	1,102.55
650	RPL18A 60S ribosomal protein L18a	UPI00026202	20,744.60	30	41	MRIFAPNHVVAK	R	S	1,398.77
651	WDR61 WD repeat-containing protein 61	UPI00019269	33,562.80	30	45	ENSETVVTGSLDDLK	K	V	1,705.85
652	ST13 Hsc70-interacting protein	UPI00032826	41,314.40	30	41	FLREWVESMGGK	R	V	1,438.71
653	HNRNPC Isoform C1 of Heterogeneous nuclear ribonucleoproteins C1/C2	UPI00216592,UPI00477313,UPI00909232	32,320.00	30	39	KSDVEAIFSK	K	Y	1,123.60
654	POLR2G DNA-directed RNA polymerase II subunit RPB7	UPI00218895	19,276.60	30	41	LFTEVEGTCTGK	K	Y	1,341.64
655	CCDC86 Coiled-coil domain-containing protein 86	UPI00012199	40,218.10	31	53	ALVEFESNPEETREPGSPPSV QR	R	A	2,555.24
656	MAT2B Isoform 1 of Methionine adenosyltransferase 2 subunit beta	UPI00002324	37,533.60	31	42	VLVTGATGALLGR	R	A	1,156.71
657	TAF9 Adenylate kinase isoenzyme 6	UPI00032879,UPI00556532	20,043.80	31	39	YINVGDLAR	K	E	1,020.55
658	PSMA6 Proteasome subunit alpha type-6	UPI00029623	27,381.50	31	43	AINQGGLTSVAVR	K	G	1,285.72
659	PGK1 Phosphoglycerate kinase 1	UPI00169383	44,597.30	31	39	NNQITNNQR	K	I	1,101.54
660	RPL17;LOC100133931 60S ribosomal protein L17	UPI00413324,UPI00478208	21,379.40	31	42	ETAQAIKGMHIR	R	K	1,370.72
661	RARS Isoform Complexed of Arginyl-tRNA synthetase, cytoplasmic	UPI00004860	75,364.00	31	50	NCGCLGASPNLEQLQEENLK	K	L	2,274.05
662	ARL1 ADP-ribosylation factor-like protein 1	UPI00219518,UPI00908516	20,400.20	31	36	TTILYR	K	L	766.4458
663	USP14 Ubiquitin carboxyl-terminal hydrolase 14	UPI00219913,UPI00640357,UPI00871297,UPI00872664	56,052.30	31	43	AQLFALTGVQPAR	K	Q	1,371.77
664	MOBK1B Isoform 1 of Mps one binder kinase activator-like 1B	UPI00301518	25,062.60	31	42	HAEATLGSGNLR	K	Q	1,225.63

665	HMGA1 Isoform HMG-I of High mobility group protein HMG-I/HMG-Y	IPI00179700,IPI00744851,IPI00746310	11,658.20	31	55	KQPPVSPGTLVGSQKEPSE	R	R	2,558.38
666	AASDHPPT L-aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase	IPI00250297	35,759.10	31	38	VPTPK AEWLLAVR	R	S	957.5516
667	RHO G Rho-related GTP-binding protein RhoG	IPI00017342	21,290.10	31	49	EYIPTVFDNYSQAQSAVDGR	K	T	2,131.99
668	FDFT1 Squalene synthetase	IPI00020944,IPI00908715	48,098.40	31	41	MDQDSLSSSLK	K	T	1,226.56
669	PABPC1 Isoform 1 of Polyadenylate-binding protein 1	IPI00008524	70,653.30	31	41	FSPAGPILSIR	K	V	1,157.67
670	HNRNPC Isoform C1 of Heterogeneous nuclear ribonucleoproteins C1/C2	IPI00216592,IPI00477313,IPI00909232	32,320.00	31	39	SDVEAIFSK	K	Y	995.5044
671	PPIA Peptidyl-prolyl cis-trans isomerase A	IPI00419585,IPI00887678	17,994.90	32	37	TAENFR	K	A	737.3576
672	PPIA Peptidyl-prolyl cis-trans isomerase A	IPI00419585,IPI00887678	17,994.90	32	37	TAENFR	K	A	737.3576
673	BZW2 Basic leucine zipper and W2 domain-containing protein 2	IPI00022305,IPI00894416	48,146.00	32	50	DTLVQGLNEAGDDLEAVAK	R	F	1,957.97
674	RPS6 40S ribosomal protein S6	IPI00021840	28,663.70	32	46	MATEVAADALGEEWK	R	G	1,636.75
675	IPO8 Importin-8	IPI00007401	119,959.60	32	41	IINFAPSLLR	K	I	1,143.69
676	CHAF1B Chromatin assembly factor 1 subunit B	IPI00011857	61,474.80	32	42	LASAGVDTNVR	R	I	1,102.59
677	RPS6 40S ribosomal protein S6	IPI00021840	28,663.70	32	51	MATEVAADALGEEWKGYVVR	R	I	2,195.08
678	UGDH UDP-glucose 6-dehydrogenase	IPI00031420	55,007.30	32	41	VTVVVDNESR	R	I	1,117.58
679	RPL12 Isoform 1 of 60S ribosomal protein L12	IPI00024933	17,801.10	32	40	IGPLGLSPK	K	K	881.5457
680	RPL31 60S ribosomal protein L31	IPI00026302	14,445.20	32	39	RIHGVGFK	K	K	913.5367
681	RAP1B Ras-related protein Rap-1b	IPI00015148,IPI00796349	20,806.90	32	41	YDPTIEDSYR	K	K	1,258.56
682	NUP93 Nuclear pore complex protein Nup93	IPI00397904	93,473.20	32	42	NLQEIQQAGER	R	L	1,285.65
683	RPS10 40S ribosomal protein S10	IPI00008438	18,880.30	32	38	HPELADK	K	N	809.4153
684	NUP107 Nuclear pore complex protein Nup107	IPI00028005	106,358.70	32	48	VLLQASQDENFGNTTPR	R	N	1,889.94
685	SLC25A5 ADP/ATP translocase 2	IPI00007188	32,878.50	32	43	VKLLQVQHASK	R	Q	1,363.84
686	SLC25A6 ADP/ATP translocase 3	IPI00291467	32,849.10	32	43	VKLLQVQHASK	R	Q	1,363.84
687	RPL18A 60S ribosomal protein L18a	IPI00026202	20,744.60	32	41	IFAPNHVVAK	R	S	1,095.63
688	AK1 Adenylate kinase isoenzyme 1	IPI00018342,IPI00640817	21,617.10	32	44	YGYTHLSTGDLLR	K	S	1,495.75
689	RAB7A Ras-related protein Rab-7a	IPI00016342	23,472.00	33	38	FSNQYK	K	A	786.378
690	EEF2 Elongation factor 2	IPI00186290	95,322.10	33	42	STLTDSLVCCK	K	A	1,123.57
691	EEF2 Elongation factor 2	IPI00186290	95,322.10	33	42	STLTDSLVCCK	K	A	1,123.57
692	EEF2 Elongation factor 2	IPI00186290	95,322.10	33	42	STLTDSLVCCK	K	A	1,123.57
693	EEF2 Elongation factor 2	IPI00186290	95,322.10	33	42	STLTDSLVCCK	K	A	1,123.57
694	EEF2 Elongation factor 2	IPI00186290	95,322.10	33	42	STLTDSLVCCK	K	A	1,123.57
695	ENO2 Gamma-enolase	IPI00216171	47,251.70	33	50	AAVPSGASTGIYEALRLR	R	D	1,804.94
696	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	33	50	AAVPSGASTGIYEALRLR	R	D	1,804.94
697	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	33	50	AAVPSGASTGIYEALRLR	R	D	1,804.94
698	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	33	50	AAVPSGASTGIYEALRLR	R	D	1,804.94
699	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	33	50	AAVPSGASTGIYEALRLR	R	D	1,804.94
700	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	33	50	AAVPSGASTGIYEALRLR	R	D	1,804.94
701	PSMD6 26S proteasome non-ATPase regulatory subunit 6	IPI00014151	45,515.40	33	46	GDAAVRDELMAAVR	R	D	1,489.74
702	PARK7 Protein DJ-1	IPI00298547	19,873.10	33	48	VTVAGLAGKDPVQCSR	K	D	1,657.87
703	SFPQ Isoform Long of Splicing factor, proline- and glutamine-rich	IPI00010740	76,131.50	33	44	SPPPGMGLNQNR	R	G	1,267.62
704	FSCN1 Fascin	IPI00163187,IPI00747810	54,512.30	33	41	VNASASSLK	K	K	876.4784
705	PMVK Phosphomevalonate kinase	IPI00220648	21,977.00	33	42	LGADVCAVLR	R	L	1,073.58
706	RPS17 40S ribosomal protein S17	IPI00221093	15,532.50	33	45	RVCEEIAIIPSKK	K	L	1,542.87
707	PKM2 Isoform M1 of Pyruvate kinase isozymes M1/M2	IPI00220644,IPI00479186	58,044.60	33	43	LDIDSPPTAR	R	N	1,197.65
708	PKM2 Isoform M1 of Pyruvate kinase isozymes M1/M2	IPI00220644,IPI00479186	58,044.60	33	43	LDIDSPPTAR	R	N	1,197.65
709	FIS1 Mitochondrial fission 1 protein	IPI00007052	16,920.30	33	44	STQFEYAWCLVR	K	S	1,559.73

710	HSDL2 Isoform 2 of Hydroxysteroid dehydrogenase-like protein 2	IPI00031107,IPI00414384	45,378.60	33	42	DGANIVIAAK	K	T	971.5521
711	NPM1 Isoform 2 of Nucleophosmin	IPI00220740,IPI00549248	29,446.90	33	45	VDNENEHQLSLR	K	T	1,568.73
712	HIST3H2BB Histone H2B type 3-B	IPI00166293	13,890.60	33	44	GRKESYSIVVYK	R	V	1,492.78
713	H2BFS Histone H2B type F-S	IPI00477495,IPI00816252	13,926.60	33	44	SRKESYSVYVYK	R	V	1,508.77
714	VDAC1 Voltage-dependent anion-selective channel protein 1	IPI00216308	30,755.90	33	53	TKSENLEFTSSGSANTETTK	K	V	2,189.02
715	HIST1H1C Histone H1.2	IPI00217465	21,347.80	34	46	KASGPPVSELITK	R	A	1,326.76
716	ZNF593 zinc finger protein 593	IPI00026276,IPI00844193	15,181.40	34	62	ELRPQGSARPQDPNAEFDP	R	C	3,123.54
717	RBMX Heterogeneous nuclear ribonucleoprotein G	IPI00304692	42,315.70	34	43	DLPGGGLHR	R	E	1,231.71
718	RUVBL1 Isoform 1 of RuvB-like 1	IPI00021187	50,211.40	34	46	IVEVLLMKDR	R	E	1,300.66
719	GDI2 cDNA FLJ60299, highly similar to Rab GDP dissociation inhibitor beta	IPI00031461	51,138.50	34	59	VLHMDRNPYYGGESASITPLE	K	F	3,040.48
720	NOP16 Nucleolar protein 16	IPI00032849	21,170.90	34	40	DLYKR	R	H	914.4513
721	PTGES3 cDNA FLJ50819, highly similar to Prostaglandin E synthase 3	IPI00790462	14,940.90	34	48	IECSHIR	K	H	1,660.80
722	PTGES3 cDNA FLJ50819, highly similar to Prostaglandin E synthase 3	IPI00790462	14,940.90	34	48	SKLTFSCLOGSDNFK	K	H	1,660.80
723	AKR1B1 Aldose reductase	IPI00413641	35,835.90	34	41	VAIDVGYR	R	H	892.4887
724	RPS17 40S ribosomal protein S17	IPI00221093	15,532.50	34	44	VCEEIIIPSK	K	K	1,258.67
725	DGCR6L Protein DGCR6L	IPI00260322	24,914.40	34	42	ELPSSFQQR	R	L	1,091.55
726	ADI1 Isoform 1 of 1,2-dihydroxy-3-keto-5-methylthiopentene dioxygenase	IPI00651738	21,481.20	34	40	LGVLVWK	R	L	878.5135
727	RPS17 40S ribosomal protein S17	IPI00221093	15,532.50	34	45	VCEEIIIPSKK	R	L	1,386.77
728	CACYBP Isoform 1 of Calcyclin-binding protein	IPI00395627	26,192.30	34	43	SKIETEIKNK	K	M	1,189.68
729	TCP1 T-complex protein 1 subunit alpha	IPI00290566	60,327.20	34	43	SSLGPVGLDK	K	M	972.5362
730	UBL4A Ubiquitin-like protein 4A	IPI00005658	17,758.90	34	39	LNVPVR	K	Q	697.4355
731	C14orf149 Probable proline racemase	IPI00386591	38,149.60	34	50	IVLAGCPEVSGPTLLAK	R	R	1,724.96
732	LTA4H Isoform 1 of Leukotriene A-4 hydrolase	IPI00219077	69,269.10	34	51	TLTGTAALTVQSQEDNLR	R	S	1,917.99
733	OCIAD1 Isoform 1 of OCIA domain-containing protein 1	IPI00016405	27,608.80	34	46	VFAECNDEFWFR	R	S	1,706.73
734	ELMOD2 ELMO domain-containing protein 2	IPI00217918	34,944.20	34	43	IFDTYVGAQR	R	T	1,169.60
735	UBE2M NEDD8-conjugating enzyme Ubc12	IPI00022597	20,882.90	34	45	IQKDINELNLPK	R	T	1,424.81
736	GYG1 Isoform GN-1L of Glycogenin-1	IPI00180386,IPI00556308,IPI00793819,IPI00794444	39,366.30	34	49	RLVVLATPQVSDSMRK	R	V	1,816.01
737	ARHGDI2 Rho GDP-dissociation inhibitor 1	IPI00003815,IPI00793767,IPI00794402,IPI00796541	23,189.50	34	50	SIQEQELDKDDESLRK	K	Y	2,046.04
738	HIST1H1C Histone H1.2	IPI00217465	21,347.80	35	46	ASGPPVSELITK	K	A	1,198.67
739	HIST1H1C Histone H1.2	IPI00217465	21,347.80	35	46	ASGPPVSELITK	K	A	1,198.67
740	HIST1H1C Histone H1.2	IPI00217465	21,347.80	35	46	ASGPPVSELITK	K	A	1,198.67
741	RNH1 Ribonuclease inhibitor	IPI00550069	49,956.40	35	44	LDDCGLTEAR	R	C	1,149.52
742	PPP2CA Serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform	IPI00008380	35,576.50	35	41	AKEILTK	K	E	802.5034
743	LAP3 Isoform 1 of Cytosol aminopeptidase	IPI00419237,IPI00789806	56,149.70	35	43	GLVLGIYSK	K	E	949.5718
744	PGD 6-phosphogluconate dehydrogenase, decarboxylating	IPI00219525,IPI00747533	53,123.90	35	48	TVSKVDDFLANEAK	R	G	1,536.79
745	KPNA6 cDNA FLJ53229, highly similar to Importin alpha-7 subunit	IPI00747764	60,563.50	35	44	RREEEGIQLR	R	K	1,285.70
746	PSMD7 26S proteasome non-ATPase regulatory subunit 7	IPI00019927	37,007.50	35	45	VVGVLGWSWQK	R	K	1,185.70
747	RPS3A 40S ribosomal protein S3a	IPI00419880,IPI00472119	29,927.30	35	42	APAMFNIR	K	N	935.4768
748	ANXA6 annexin VI isoform 2	IPI00002459,IPI00221226	75,262.70	35	50	GFGSDKEAILDIITSR	K	S	1,721.91
749	HPRT1 Hypoxanthine-guanine phosphoribosyltransferase	IPI00218493,IPI00873466	24,562.20	35	45	VFIPHGLIMDR	R	T	1,297.71
750	HIST3H2BB Histone H2B type 3-B	IPI00166293	13,890.60	35	44	KESYSIVVYK	R	V	1,279.66
751	HIST1H2BJ Histone H2B type 1-J	IPI00515061	13,886.70	35	44	KESYSIVVYK	R	V	1,279.66
752	H2BFS Histone H2B type F-S	IPI00477495,IPI00816252	13,926.60	35	44	KESYSVYVYK	R	V	1,265.64

753	H2BFS Histone H2B type F-S	IPI00477495,IPI00816252	13,926.60	35	44	KESYSVYVYK	R	V	1,265.64
754	NDUFA12 13kDa differentiation-associated protein variant (Fragment)	IPI00005966	17,196.50	35	43	VGTLVGEDK	K	Y	917.494
755	NDUFA12 13kDa differentiation-associated protein variant (Fragment)	IPI00005966	17,196.50	35	47	VGTLVGEDKYGNK	K	Y	1,379.72
756	XRCC6 ATP-dependent DNA helicase 2 subunit 1	IPI00644712	69,828.40	36	46	DSLIFLVDASK	R	A	1,207.66
757	PDCD10 Programmed cell death protein 10	IPI00298558	24,684.50	36	45	VNLSAAQTLR	R	A	1,072.61
758	MAGOHB Protein mago nashi homolog 2	IPI00059292	17,258.60	36	50	YANNSNYKNDVMIRK	R	E	1,845.89
759	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	36	44	IQNGAQQIR	K	F	956.5273
760	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	36	44	IQNGAQQIR	K	F	956.5273
761	PPCS Phosphopantothenate--cysteine ligase	IPI00023987	33,988.00	36	55	RVVLVTSGGTKVPLEARPVR	R	F	2,134.28
762	UBE2T Ubiquitin-conjugating enzyme E2 T	IPI00023087	22,503.80	36	48	AQILGGANTPYEK	R	G	1,361.71
763	PTGES3 cDNA FLJ50819, highly similar to Prostaglandin E synthase 3	IPI00790462	14,940.90	36	48	LTFSCGGSDNFK	K	H	1,445.67
764	PTGES3 cDNA FLJ50819, highly similar to Prostaglandin E synthase 3	IPI00790462	14,940.90	36	48	LTFSCGGSDNFK	K	H	1,445.67
765	RPL14 Ribosomal protein L14 variant	IPI00555744	23,769.70	36	46	ALVDGPCTQVR	R	R	1,215.62
766	GABARAPL2 Gamma-aminobutyric acid receptor-associated protein-like 2	IPI00026358	13,649.10	36	48	VSGSQIVDIDKRK	K	Y	1,444.81
767	IGF2BP3 Isoform 1 of Insulin-like growth factor 2 mRNA-binding protein 3	IPI00658000	63,702.90	37	52	TGYAFVDCPDESWALK	K	A	1,858.83
768	MRFAP1 MORF4 family-associated protein 1	IPI00020915	14,631.80	37	44	EDIASLTR	R	E	904.4735
769	CDC2 Putative uncharacterized protein DKFZp686L20222	IPI00026689	34,762.10	37	52	IRLESEEEGVPSTAIR	K	E	1,785.93
770	CDC2 Putative uncharacterized protein DKFZp686L20222	IPI00026689	34,762.10	37	52	IRLESEEEGVPSTAIR	K	E	1,785.93
771	ALG13 UDP-N-acetylglucosamine transferase subunit ALG13 homolog	IPI00020512	18,207.50	37	43	LILQIGR	R	G	812.5354
772	SNRNP Isoform SM-B' of Small nuclear ribonucleoprotein-associated proteins B and B'	IPI00027285,IPI00220360,IPI00329512,IPI00395674,IPI00785142,IPI00844420,IPI00877103	24,592.60	37	50	HMNLILCDCDEFK	K	I	1,850.83
773	RPL9 60S ribosomal protein L9	IPI00031691	21,845.70	37	50	DFNHINVELSLLGK	R	K	1,598.85
774	PAICS phosphoribosylaminoimidazole carboxylase, phosphoribosylaminoimidazole succinocarboxamide synthetase isoform 1	IPI00815732	47,941.00	37	46	DQITAGNAAR	K	K	1,016.51
775	PSMA7 Isoform 1 of Proteasome subunit alpha type-7	IPI00024175	27,869.10	37	47	GRDIVVLGVEK	R	K	1,184.70
776	FAM32A Protein FAM32A	IPI00022402	13,160.80	37	45	LLEAMGTSK	K	K	965.4974
777	DUSP3 Dual specificity protein phosphatase 3	IPI00018671,IPI00790757	20,460.80	37	50	IYVGNASVAQDIPK	R	L	1,474.79
778	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	70,881.80	37	49	TTPSYVAFTDTER	R	L	1,487.70
779	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	37	49	TTPSYVAFTDTER	R	L	1,487.70
780	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	37	49	TTPSYVAFTDTER	R	L	1,487.70
781	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	37	49	TTPSYVAFTDTER	R	L	1,487.70
782	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	37	49	TTPSYVAFTDTER	R	L	1,487.70
783	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	37	49	TTPSYVAFTDTER	R	L	1,487.70
784	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	37	49	TTPSYVAFTDTER	R	L	1,487.70
785	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	37	49	TTPSYVAFTDTER	R	L	1,487.70
786	- cDNA FLJ54408, highly similar to Heat shock 70 kDa protein 1	IPI00911039	63,907.90	37	49	TTPSYVAFTDTER	R	L	1,487.70
787	TMEM97 Transmembrane protein 97	IPI00020004	20,831.50	37	44	ELYPVEFR	R	N	1,052.54
788	XRCC5 ATP-dependent DNA helicase 2 subunit 2	IPI00220834,IPI00871391	82,689.10	37	44	VITMFVQR	K	Q	1,009.55
789	PSMA7 Isoform 1 of Proteasome subunit alpha type-7	IPI00024175	27,869.10	37	48	GRDIVVLGVEKK	R	S	1,312.79
790	FAM96A UPF0195 protein FAM96A	IPI00030985	18,337.20	37	45	ALEVYDLIR	K	T	1,091.61
791	UBE2M NEDD8-conjugating enzyme Ubc12	IPI00022597	20,882.90	37	45	DINELNLPK	K	T	1,055.57
792	PTP4A2 Isoform 1 of Protein tyrosine phosphatase type IVA 2	IPI00020191	19,109.30	37	44	YGVTTLVR	K	V	908.52

793	DNAJC12 Isoform a of DnaJ homolog subfamily C member 12	IPI00029149,IPI00220169	23,397.30	38	51	ALECHPDKHPENPK	R	A	1,671.79
794	PHB2 Prohibitin-2	IPI00027252	33,279.60	38	48	ESVFTVEGGHR	R	A	1,217.59
795	NAPA Alpha-soluble NSF attachment protein	IPI00009253	33,216.10	38	47	IEEACEIYAR	K	A	1,253.58
796	IGF2BP2 insulin-like growth factor 2 mRNA binding protein 2 isoform a	IPI00179713,IPI00180983,IPI00743914	66,104.40	38	53	SGYAFVDYPQNWAIK	K	A	1,901.88
797	WDR77 Methylosome protein 50	IPI00012202	36,705.20	38	52	SDGALLLGASSLSGR	R	C	1,403.75
798	SMNDC1 Survival of motor neuron-related-splicing factor 30	IPI00025176	26,693.40	38	47	DLQEVIELTK	K	D	1,187.65
799	CAPZA2 F-actin-capping protein subunit alpha-2	IPI00026182	32,931.20	38	47	LLLNNNDLLR	R	E	1,197.70
800	PPIA Peptidyl-prolyl cis-trans isomerase A	IPI00419585,IPI00887678	17,994.90	38	49	ALSTGEKGFQYK	R	G	1,257.65
801	CMAS Isoform 1 of N-acylneuraminate cytidyltransferase	IPI00303158	48,361.60	38	52	GVEKPPHAAALILAR	R	G	1,584.96
802	EEF1A2 Elongation factor 1-alpha 2	IPI00014424	50,452.60	38	51	TIEKFEKEAAEMGK	R	G	1,610.81
803	EEF1A1 Elongation factor 1-alpha 1	IPI00396485	50,123.20	38	51	TIEKFEKEAAEMGK	R	G	1,610.81
804	CCT7 T-complex protein 1 subunit eta	IPI00018465	59,349.80	38	43	TTLGPR	R	G	644.3727
805	HNRNPK Isoform 1 of Heterogeneous nuclear ribonucleoprotein K	IPI00216049,IPI00216746,IPI00807545,IPI00910458	50,960.50	38	46	NTDEMVELR	R	I	1,122.51
806	BAX Isoform Epsilon of Apoptosis regulator BAX	IPI00071059,IPI00443773,IPI00444945,IPI00845474	18,111.40	38	57	MGGEAPELALDPVPQDASTK	R	K	2,025.98
807	MTHFD1 C-1-tetrahydrofolate synthase, cytoplasmic	IPI00218342,IPI00794900	101,543.50	38	56	LAILQVGNRDDSPLYINVK	R	L	2,145.17
808	BAX Isoform Epsilon of Apoptosis regulator BAX	IPI00071059,IPI00443773,IPI00444945,IPI00845474	18,111.40	38	58	MGGEAPELALDPVPQDASTK	R	L	2,170.07
809	C9orf23 Alba-like protein C9orf23	IPI00166873	17,613.40	38	46	NLLGLALGR	R	L	926.5783
810	NUDC Nuclear migration protein nudC	IPI00550746	38,225.70	38	53	RKTDFFIGGEEGMAEK	R	L	1,830.87
811	SNRPD2 Small nuclear ribonucleoprotein Sm D2	IPI00017963	13,509.10	38	47	NNTQVLINCR	K	N	1,231.62
812	DHFR Dihydrofolate reductase	IPI00030357,IPI00887771	21,435.30	38	47	MTTSSVEGK	R	Q	1,056.49
813	CLIC1 Chloride intracellular channel protein 1	IPI00010896	26,905.30	38	49	GVTFNVTTVDTK	K	R	1,281.67
814	PBK cDNA FLJ58333, highly similar to T-lymphokine-activated killer cell-originated protein kinase	IPI00306708	37,194.90	38	50	LGFGTGVNVYLMK	K	R	1,398.75
815	RPL7A 60S ribosomal protein L7a	IPI00299573	29,978.30	38	48	NFGIGQDIQPK	K	R	1,216.63
816	AKR7A2 Aflatoxin B1 aldehyde reductase member 2	IPI00305978	39,571.00	38	49	VASVLGTMEMGR	R	R	1,282.61
817	GIN51 DNA replication complex GINS protein PSF1	IPI00032387,IPI00910150	22,971.30	38	51	ALYEQNQSDVNEAK	K	S	1,608.75
818	HNRNPU heterogeneous nuclear ribonucleoprotein U isoform a	IPI00644079	90,567.20	38	69	LQAALDDEEAGGRPAMEPGN	R	S	3,126.44
819	MYL6B;MYL6 Isoform Non-muscle of Myosin light polypeptide 6	IPI00335168,IPI00789605,IPI00796366	16,911.80	38	50	GSLDLGGDSAGR ALGQNPTNAEVLK	R	V	1,354.73
820	NIT2 Nitrilase homolog 2	IPI00549467,IPI00872668	30,590.80	38	52	IVSLPECFNSPYGAK	K	Y	1,681.83
821	RPL11 Isoform 1 of 60S ribosomal protein L11	IPI00376798	20,235.20	39	52	VLEQLTGQTPVFSK	K	A	1,546.85
822	AP3M1 AP-3 complex subunit mu-1	IPI00032459	46,922.00	39	61	AADVENVPPVISTPHHYLSIY	K	D	2,591.36
823	RAB7A Ras-related protein Rab-7a	IPI00016342	23,472.00	39	48	ATIGADFLTK	K	E	1,036.57
824	CDC2 Putative uncharacterized protein DKFZp686L20222	IPI00026689	34,762.10	39	52	LESEEEGVSTAIR	R	E	1,516.75
825	CDC2 Putative uncharacterized protein DKFZp686L20222	IPI00026689	34,762.10	39	52	LESEEEGVSTAIR	R	E	1,516.75
826	SAE1 SUMO-activating enzyme subunit 1	IPI00033130,IPI00640965,IPI00647006	38,432.10	39	45	VLLVGLK	R	G	741.5234
827	AASDHPPT L-aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase	IPI00250297	35,759.10	39	47	SIQPEEKER	R	I	1,115.57
828	EIF3K Eukaryotic translation initiation factor 3 subunit K	IPI00033143	25,042.40	39	52	ENAYDLEANLAVLK	K	L	1,562.81
829	RPL18 60S ribosomal protein L18	IPI00215719	21,617.20	39	50	TNSTFNQVVLKR	R	L	1,406.78
830	SSBP1 Single-stranded DNA-binding protein, mitochondrial	IPI00029744	17,241.70	39	46	VGQDPVLR	R	Q	883.4997
831	RPL18 60S ribosomal protein L18	IPI00215719	21,617.20	39	49	TNSTFNQVVLK	R	R	1,250.67

832	PSMA7 Isoform 1 of Proteasome subunit alpha type-1	IP100024175	27,869.10	39	48	DIVVLGVEKK	R	S	1,099.67
833	PFN1 Profilin-1	IP100216691	15,036.30	39	56	TFVNITPAEVGVLVGKDR	K	S	1,915.06
834	PDCL3 Phosducin-like protein 3	IP100031629	27,597.50	39	46	ILQQSVVK	R	T	914.567
835	CDK6 Cell division protein kinase 6	IP100023529	36,920.80	39	44	FVALKR	R	V	733.4719
836	TFRC Transferrin receptor protein 1	IP100022462	84,855.60	40	53	LAVDEEENADNNTK	K	A	1,561.70
837	TFRC Transferrin receptor protein 1	IP100022462	84,855.60	40	53	LAVDEEENADNNTK	K	A	1,561.70
838	PSMA1 Isoform Short of Proteasome subunit alpha type-1	IP100016832,IP100472442	29,538.00	40	51	SKTHAVLVALKR	K	A	1,322.83
839	RPS25 40S ribosomal protein S25	IP100012750	13,725.00	40	52	VRDKLNNLVLFDK	K	A	1,573.91
840	DCXR L-xylulose reductase	IP100448095,IP100797249	25,894.20	40	49	TQADLDSLVR	R	E	1,117.58
841	COMMD4 Isoform 1 of COMM domain-containing protein 4	IP100413500,IP100852907	21,746.70	40	50	ELLGQGIDYEK	K	I	1,264.64
842	NUDC Nuclear migration protein nudC	IP100550746	38,225.70	40	53	TDDFFIGGEEGMAEK	K	L	1,546.67
843	LOC389842 similar to RanBP1	IP100399212,IP100414127,IP100878075,IP100878611	23,333.70	40	50	TLEEDDEEELFK	K	M	1,381.64
844	C1orf122 hypothetical protein LOC127687	IP100829914	11,452.80	40	50	AQQLLDAVEQR	R	Q	1,270.68
845	UCK2 Isoform 1 of Uridine-cytidine kinase 2	IP100065671	29,281.40	40	52	IVQLLGQNEVDYR	K	Q	1,546.82
846	SERBP1 Isoform 1 of Plasminogen activator inhibitor 1 RNA-binding protein	IP100410693,IP100412714,IP100470497,IP100470498	44,947.80	40	52	EAGGGGVGGPGAK	K	S	1,013.50
847	FKBP4 FK506-binding protein 4	IP100219005	51,787.90	40	52	EGTGTEMPMIGDR	R	V	1,425.60
848	PHF19 Isoform 2 of PHD finger protein 19	IP100152220,IP100157837,IP100743344,IP100879928	22,494.10	40	49	LTEGQYVLCR	K	W	1,238.62
849	RPL12 Isoform 1 of 60S ribosomal protein L12	IP100024933	17,801.10	41	48	KVGDDIAK	K	A	845.4729
850	TUBA1A Tubulin alpha-1A chain	IP100180675	50,117.70	41	64	TIGGGDDSFNTFFSETGAGK	K	A	2,497.17
851	TUBA1C Tubulin alpha-1C chain	IP100218343	49,877.40	41	64	HVPR TIGGGDDSFNTFFSETGAGK	K	A	2,497.17
852	TUBA1B Tubulin alpha-1B chain	IP100387144,IP100792677	50,133.70	41	64	HVPR TIGGGDDSFNTFFSETGAGK	K	A	2,497.17
853	HEBP1 Heme-binding protein 1	IP100148063	21,079.40	41	56	FATVEVTDKPVDEALR	K	E	1,789.93
854	APRT Adenine phosphoribosyltransferase	IP100218693,IP100642457	19,590.50	41	48	AAIGLLAR	R	H	784.504
855	TUBA1A Tubulin alpha-1A chain	IP100180675	50,117.70	41	60	TIGGGDDSFNTFFSETGAGK	K	H	2,007.89
856	TUBA1A Tubulin alpha-1A chain	IP100180675	50,117.70	41	60	TIGGGDDSFNTFFSETGAGK	K	H	2,007.89
857	TUBA1A Tubulin alpha-1A chain	IP100180675	50,117.70	41	60	TIGGGDDSFNTFFSETGAGK	K	H	2,007.89
858	TUBA1A Tubulin alpha-1A chain	IP100180675	50,117.70	41	60	TIGGGDDSFNTFFSETGAGK	K	H	2,007.89
859	TUBA1A Tubulin alpha-1A chain	IP100180675	50,117.70	41	60	TIGGGDDSFNTFFSETGAGK	K	H	2,007.89
860	TUBA1A Tubulin alpha-1A chain	IP100180675	50,117.70	41	60	TIGGGDDSFNTFFSETGAGK	K	H	2,007.89
861	TUBA1C Tubulin alpha-1C chain	IP100218343	49,877.40	41	60	TIGGGDDSFNTFFSETGAGK	K	H	2,007.89
862	TUBA1B Tubulin alpha-1B chain	IP100387144,IP100792677	50,133.70	41	60	TIGGGDDSFNTFFSETGAGK	K	H	2,007.89
863	TUBA1B Tubulin alpha-1B chain	IP100387144,IP100792677	50,133.70	41	60	TIGGGDDSFNTFFSETGAGK	K	H	2,007.89
864	ADI1 Isoform 1 of 1,2-dihydroxy-3-keto-5-methylthiopentene dioxxygenase	IP100651738	21,481.20	41	54	LDADKYENDPELEK	K	I	1,678.78
865	LRRRC59 Leucine-rich repeat-containing protein 59	IP100396321	34,913.40	41	50	ATILDLSCNK	K	L	1,134.58
866	NCAPH Condensin complex subunit 2	IP100299507	82,547.10	41	64	KAPLNIPGTPVLEDFPQNDDER	R	L	2,722.37
867	BUB3 Mitotic checkpoint protein BUB3	IP100013468,IP100514701,IP100644108	37,136.70	41	50	KER LYDVPANSMR	R	L	1,181.56
868	JUP Junction plakoglobin	IP100554711	81,727.90	41	51	GIMEEDEACGR	K	Q	1,282.50
869	FLOT1 Flotillin-1	IP100027438	47,336.80	41	51	ISLNTLTLNVK	R	S	1,215.73
870	PRDX6 Peroxiredoxin-6	IP100220301	25,018.10	42	53	DFTPVCTTELGR	R	A	1,395.66
871	RPS25 40S ribosomal protein S25	IP100012750	13,725.00	42	52	DKLNNLVLFDK	R	A	1,318.74
872	RPS7 40S ribosomal protein S7	IP100013415	22,109.50	42	58	ELNITAAKEIEVGGGRK	R	A	1,784.99
873	RPS19 40S ribosomal protein S19	IP100215780	16,042.50	42	56	HKELAPYDENWFYTR	K	A	1,968.92
874	PSMA1 Isoform Short of Proteasome subunit alpha type-1	IP100016832,IP100472442	29,538.00	42	51	THAVLVALKR	K	A	1,107.70
875	MORF4L1 cDNA FLJ38504 fis, clone HCHON2000156, highly similar to Mortality factor 4-like protein 1	IP100550968	40,011.50	42	54	VLCFHGPLLYEAK	R	C	1,546.81

876	LSM4 U6 snRNA-associated Sm-like protein LSM4	IP100294955	15,332.00	42	48	EVICTSR	R	D	864.4244
877	GNB2L1 38 kDa protein	IP100641950,IP100848226	37,740.10	42	65	GHNGVWTQIATTPQFPDMILS ASR	K	D	2,643.30
878	RPS7 40S ribosomal protein S7	IP100013415	22,109.50	42	49	ELNITAAK	R	E	859.4884
879	HIST2H3A;HIST2H3D;HIST2H3C Histone H3.2	IP100171611,IP100219038,IP100465070,IP100909530	15,370.70	42	50	YRPGTVALR	R	E	1,032.59
880	HIST2H3A;HIST2H3D;HIST2H3C Histone H3.2	IP100171611,IP100219038,IP100465070,IP100909530	15,370.70	42	50	YRPGTVALR	R	E	1,032.59
881	EEF1A2 Elongation factor 1-alpha 2	IP100014424	50,452.60	42	51	FEKEAAEMGK	K	G	1,139.54
882	EEF1A1 Elongation factor 1-alpha 1	IP100396485	50,123.20	42	51	FEKEAAEMGK	K	G	1,139.54
883	HSP90AB1 Heat shock protein HSP 90-beta	IP100414676	83,249.30	42	53	ELISNASDALDK	R	I	1,275.64
884	CHMP2A Charged multivesicular body protein 2a	IP100004416	25,087.00	42	49	KIADIKK	K	M	928.6192
885	FASN Fatty acid synthase	IP100026781	273,382.00	42	49	AGLYGLPR	K	R	846.4833
886	RAB11B Ras-related protein Rab-11B	IP100202436	24,471.00	42	51	STIGVEFATR	K	S	1,080.57
887	HSP90AB1 Heat shock protein HSP 90-beta	IP100414676	83,249.30	42	55	ELISNASDALDKIR	R	Y	1,544.83
888	EEF2 Elongation factor 2	IP100186290	95,322.10	43	50	AGIIASAR	K	A	758.4519
889	SRP14 Signal recognition particle 14 kDa protein	IP100293434	14,552.60	43	59	KGTVEGFEPADNKLLR	K	A	1,933.98
890	SRP14 Signal recognition particle 14 kDa protein	IP100293434	14,552.60	43	55	KGTVEGFEPADNK	K	C	1,391.68
891	SEC22B Vesicle-trafficking protein SEC22b	IP100006865	24,723.40	43	51	KLNEQSPTR	R	C	1,072.57
892	RPS13 40S ribosomal protein S13	IP100221089	17,205.30	43	55	KGLTPSQIGVILR	K	D	1,381.85
893	RPS26;LOC728937 40S ribosomal protein S26	IP100655650,IP100902801	12,997.50	43	51	NIVEAAAVR	R	D	942.5366
894	MRPL11 39S ribosomal protein L11, mitochondrial	IP100007001,IP100333848	20,665.90	43	51	GVSINQFCK	R	E	1,052.52
895	RDH11 Isoform 1 of Retinol dehydrogenase 11	IP100339384	35,368.50	43	55	VVVVTGANTGIGK	K	E	1,214.71
896	RDH11 Isoform 1 of Retinol dehydrogenase 11	IP100339384	35,368.50	43	59	VVVVTGANTGIGKETAK	K	E	1,643.93
897	CBR1 Carbonyl reductase [NADPH] 1	IP100295386	30,356.80	43	58	GQAAVQQLQAEGLSPR	R	F	1,652.87
898	ALDOA Fructose-bisphosphate aldolase A	IP100465439	39,402.60	43	57	RLQSIGTENTEENRR	K	F	1,802.91
899	RPL10 60S ribosomal protein L10	IP100554723,IP100646899,IP100853161	24,586.60	43	69	VDFPLPCGHMVSDEYEQLSS EALAAAR	K	I	3,098.37
900	ANAPC7 anaphase-promoting complex subunit 7	IP100008248,IP100915282	66,839.70	43	54	DMAAAGLHSNVR	R	L	1,257.60
901	UBB;RPS27A;UBC ubiquitin and ribosomal protein S27a precursor	IP100179330,IP100456429,IP100719280,IP100743241,IP100743650,IP100744274,IP100784990,IP100789107,IP100789823,IP100790633,IP100792712,IP100793330,IP100793729,IP100793810,IP100794211,IP100794925,IP100795527,IP100796007,IP100796600,IP100797400,IP100798127,IP100798155	17,947.60	43	48	LIFAGK	R	Q	648.408
902	UBB;RPS27A;UBC ubiquitin and ribosomal protein S27a precursor	IP100179330,IP100456429,IP100719280,IP100743241,IP100743650,IP100744274,IP100784990,IP100789107,IP100789823,IP100790633,IP100792712,IP100793330,IP100793729,IP100793810,IP100794211,IP100794925,IP100795527,IP100796007,IP100796600,IP100797400,IP100798127,IP100798155	17,947.60	43	48	LIFAGK	R	Q	648.408
903	HN1L Isoform 1 of Hematological and neurological expressed 1-like protein	IP100027397,IP100909195	20,045.60	43	59	MASNIFGPTEEPQNIPK	R	R	1,888.91
904	HN1L Isoform 1 of Hematological and neurological expressed 1-like protein	IP100027397,IP100909195	20,045.60	43	59	MASNIFGPTEEPQNIPK	R	R	1,888.91
905	YWHAE 14-3-3 protein epsilon	IP100000816	29,157.00	43	56	NLLSVAYKNVIGAR	R	R	1,517.88
906	LMNB1 Lamin-B1	IP100217975	66,391.60	43	51	LAVYIDKVR	R	S	1,076.65
907	KPNB1 Importin subunit beta-1	IP100001639	97,153.30	43	54	VLANPGNSQVAR	R	V	1,225.66
908	KPNB1 Importin subunit beta-1	IP100001639	97,153.30	43	54	VLANPGNSQVAR	R	V	1,225.66
909	RPS19 40S ribosomal protein S19	IP100215780	16,042.50	44	56	ELAPYDENWFYTR	K	A	1,703.77
910	SAPS3 Isoform 6 of Serine/threonine-protein phosphatase 6 regulatory subunit 3	IP100030624,IP100719553,IP100719725,IP100719821	94,429.00	44	50	LIEFLK	K	A	875.5602
911	RPS25 40S ribosomal protein S25	IP100012750	13,725.00	44	52	LNNLVLFDK	K	A	1,075.61
912	RPS25 40S ribosomal protein S25	IP100012750	13,725.00	44	52	LNNLVLFDK	K	A	1,075.61
913	SRP14 Signal recognition particle 14 kDa protein	IP100293434	14,552.60	44	55	GTVEGFEPADNK	K	C	1,263.59
914	RPS13 40S ribosomal protein S13	IP100221089	17,205.30	44	55	GLTPSQIGVILR	K	D	1,253.76
915	SFRS3 Splicing factor, arginine/serine-rich 3	IP100010204,IP100843996	19,312.00	44	64	NPPGFVFEFEDPRDAADAV R	R	E	2,320.10
916	EXOSC1 3'-5' exoribonuclease CSL4 homolog	IP100032823,IP100552886,IP100642493	21,433.50	44	57	SSENGALPVVSVVR	K	E	1,413.77
917	ALDOA Fructose-bisphosphate aldolase A	IP100465439	39,402.60	44	57	LQSIGTENTEENRR	R	F	1,646.81
918	UHRF1 ubiquitin-like with PHD and ring finger domains 1 isoform 2	IP100797279,IP100797945	91,082.30	44	57	KIQELFHVEPGLQR	R	L	1,693.94

919	TCP1 T-complex protein 1 subunit alpha	IP100290566	60,327.20	44	63	MLVDDIGDVTITNDGATILK	K	L	2,120.08
920	RPL34 60S ribosomal protein L34	IP100219160	13,275.10	44	52	SACGVCPGR	K	L	963.4136
921	TPI1 Isoform 1 of Triosephosphate isomerase	IP100465028	30,772.80	44	51	FFVGGNWK	K	M	954.4832
922	ILF2 Interleukin enhancer-binding factor 2	IP100005198,IP100872107	43,044.70	44	60	VKPAPDETSFSEALLKR	R	N	1,888.02
923	PPAT Amidophosphoribosyltransferase	IP100029534	57,381.30	44	62	GQESAGIVTSDGSSVPTFK	R	S	1,866.91
924	PKM2 Isoform M1 of Pyruvate kinase isozymes M1/M2	IP100220644,IP100479186	58,044.60	44	56	NTGIICTIGPASR	R	S	1,359.71
925	PKM2 Isoform M1 of Pyruvate kinase isozymes M1/M2	IP100220644,IP100479186	58,044.60	44	56	NTGIICTIGPASR	R	S	1,359.71
926	C10orf58 Uncharacterized protein C10orf58	IP100296190,IP100646289,IP100646889	25,747.50	44	55	AALEYLEDIDLK	K	T	1,392.73
927	TSTA3 GDP-L-fucose synthetase	IP100014361,IP100791788,IP100909958	35,874.60	45	55	DADLTDTAQTR	K	A	1,206.56
928	HIST3H2BB Histone H2B type 3-B	IP100166293	13,890.60	45	58	VLKQVHPDTGISSK	K	A	1,508.84
929	H2BFS Histone H2B type F-S	IP100477495,IP100816252	13,926.60	45	58	VLKQVHPDTGISSK	K	A	1,508.84
930	HIST1H2BJ Histone H2B type 1-J	IP100515061	13,886.70	45	58	VLKQVHPDTGISSK	K	A	1,508.84
931	PTP4A2 Isoform 1 of Protein tyrosine phosphatase type IVA 2	IP100020191	19,109.30	45	57	VCDATYDKAPVEK	R	E	1,495.71
932	DNM2 Isoform 1 of Dynamin-2	IP100033022,IP100181352,IP100218889,IP100413140,IP100457139,IP100514550,IP100657691,IP100816287,IP100887273,IP100888758,IP100026302	98,049.90	45	59	SSVLENFVGRDFLPR	K	G	1,735.91
933	RPL31 60S ribosomal protein L31	IP100015947	14,445.20	45	50	ALKEIR	R	K	729.4618
934	DNAJB1 DnaJ homolog subfamily B member 1	IP100015947	38,027.60	45	59	FKEIAEAYDVLSDPR	K	K	1,752.88
935	RPL30 60S ribosomal protein L30	IP100219156,IP100872940	12,766.70	45	56	LVILANNCPLR	K	K	1,353.77
936	TARS Threonyl-tRNA synthetase, cytoplasmic	IP100329633,IP100908949	83,419.80	45	57	AELNPWPEYIYTR	R	L	1,651.81
937	ATP6V1A V-type proton ATPase catalytic subunit A	IP100007682	68,287.40	45	56	VGHSELVGEIIR	R	L	1,308.73
938	TTL3;ARPC4 Actin-related protein 2/3 complex subunit 4	IP100554811,IP100790262	19,649.40	45	55	ELLLQPVTISR	K	N	1,268.76
939	AP2M1 Isoform 1 of AP-2 complex subunit mu-1	IP100022256,IP100619900,IP100798379	49,637.70	45	52	SPVTNIAR	R	T	857.4839
940	FAM98A Protein FAM98A	IP100174442,IP100872161	55,383.40	45	54	LCAWLVSELR	K	V	1,246.66
941	AURKB Serine/threonine-protein kinase 12	IP100176642,IP100796914	39,263.50	45	56	SNVQPTAAPGQK	R	V	1,197.62
942	EIF4A1 Eukaryotic initiation factor 4A-I	IP100025491,IP100871852	46,137.30	46	61	GIYAYGFKEKPSAIQQR	R	A	1,827.94
943	CXorf38 Isoform 1 of Uncharacterized protein CXorf38	IP100152089,IP100552646,IP100910523	36,651.50	46	57	GLLAAAPGLGPR	R	A	1,092.65
944	AP1S1 Isoform 1 of AP-1 complex subunit sigma-1A	IP100152898	18,715.90	46	53	MCSFLEWR	K	D	1,144.49
945	GSTP1 Glutathione S-transferase P	IP100219757	23,338.70	46	55	ASCLYQLPK	K	F	1,136.58
946	PSMB4 Proteasome subunit beta type-4	IP100555956	29,187.00	46	60	TQNPMVTGTSVLGVK	R	F	1,547.81
947	PSMB4 Proteasome subunit beta type-4	IP100555956	29,187.00	46	60	TQNPMVTGTSVLGVK	R	F	1,547.81
948	TAF9B;LOC728198 Transcription initiation factor TFIID subunit 9B	IP100642105	27,604.50	46	55	YVTILDDAK	R	I	1,138.60
949	DNAJB6 Isoform A of DnaJ homolog subfamily B member 6	IP100024523	36,070.20	46	60	FKQVAEAYEVLSDAK	K	K	1,697.87
950	DNAJB6 Isoform A of DnaJ homolog subfamily B member 6	IP100024523	36,070.20	46	60	FKQVAEAYEVLSDAK	K	K	1,697.87
951	UFD1L Isoform Short of Ubiquitin fusion degradation protein 1 homolog	IP100218292,IP100655754,IP100873326	34,483.20	46	58	IIMPPSALDQLSR	K	L	1,456.78
952	UBE2M NEDD8-conjugating enzyme Ubc12	IP100022597	20,882.90	46	61	TCDISFSDPDDLNFK	K	L	1,886.85
953	NUBP2 Nucleotide-binding protein 2	IP100644674,IP100872338	28,807.30	46	60	VGILDVLCGPSIPR	K	M	1,610.86
954	DFFA Isoform DFF45 of DNA fragmentation factor subunit alpha (Fragment)	IP100010882	36,504.50	46	54	ACDILAIDK	K	S	1,018.52
955	SRM Spermidine synthase	IP100292020	33,806.50	46	55	SRYQDILVFR	R	S	1,296.71
956	FDFT1 Squalene synthetase	IP100020944,IP100908715	48,098.40	46	52	YLNQTSR	K	S	881.4475
957	NPM1 Isoform 2 of Nucleophosmin	IP100220740,IP100549248	29,446.90	46	73	TVSLGAGAKDELHIVEAEAMN YEGSPIK LKPVHGLIFLFK	R	V	2,929.46
958	UCHL5 Isoform 2 of Ubiquitin carboxyl-terminal hydrolase isozyme L5	IP100219512,IP100219513,IP100299313,IP100549820,IP100549849,IP100641843,IP100642374	36,061.70	46	57	YEGSPIK LKPVHGLIFLFK	K	W	1,411.88
959	EIF4A2 Isoform 1 of Eukaryotic initiation factor 4A-II	IP100328328,IP100409717	46,385.60	47	62	GIYAYGFKEKPSAIQQR	R	A	1,827.94
960	DDRGK1 Isoform 1 of Uncharacterized protein C20orf116	IP100028387	35,593.00	47	59	VAQGPPEPEPR	R	A	1,418.73

961	ACTR1A Alpha-centractin	IPI00029468,IPI00908883	42,597.20	47	61	VMAGALEGDIFIGPK	R	A	1,533.80
962	MCTS1 Isoform 1 of Malignant T cell amplified sequence 1	IPI00179026	20,537.90	47	54	KDPVKIVR	K	C	954.6096
963	DDOST dolichyl-diphosphooligosaccharide-protein glycosyltransferase precursor	IPI00297084,IPI00910419	50,784.50	47	57	TLVLLDNLNVR	R	E	1,269.75
964	CDK6 Cell division protein kinase 6	IPI00023529	36,920.80	47	60	VQTGEEGMPLSTIR	R	E	1,533.76
965	HIST1H4H;HIST2H4A;HIST4H4;HIST1H4F;HIST1H4D;HIST1H4K;HIST1H4C;HIST1H4J;HIST1H4A;HIST1H4I;HIST1H4B;HIST2H4B;HIST1H4E;HIST1H4I Histone H4	IPI00453473	11,349.70	47	56	ISGLIYEETR	R	G	1,180.62
966	HIST1H4H;HIST2H4A;HIST4H4;HIST1H4F;HIST1H4D;HIST1H4K;HIST1H4C;HIST1H4J;HIST1H4A;HIST1H4I;HIST1H4B;HIST2H4B;HIST1H4E;HIST1H4I Histone H4	IPI00453473	11,349.70	47	56	ISGLIYEETR	R	G	1,180.62
967	HIST1H4H;HIST2H4A;HIST4H4;HIST1H4F;HIST1H4D;HIST1H4K;HIST1H4C;HIST1H4J;HIST1H4A;HIST1H4I;HIST1H4B;HIST2H4B;HIST1H4E;HIST1H4I Histone H4	IPI00453473	11,349.70	47	56	ISGLIYEETR	R	G	1,180.62
968	HIST1H4H;HIST2H4A;HIST4H4;HIST1H4F;HIST1H4D;HIST1H4K;HIST1H4C;HIST1H4J;HIST1H4A;HIST1H4I;HIST1H4B;HIST2H4B;HIST1H4E;HIST1H4I Histone H4	IPI00453473	11,349.70	47	56	ISGLIYEETR	R	G	1,180.62
969	HIST1H4H;HIST2H4A;HIST4H4;HIST1H4F;HIST1H4D;HIST1H4K;HIST1H4C;HIST1H4J;HIST1H4A;HIST1H4I;HIST1H4B;HIST2H4B;HIST1H4E;HIST1H4I Histone H4	IPI00453473	11,349.70	47	56	ISGLIYEETR	R	G	1,180.62
970	HIST1H4H;HIST2H4A;HIST4H4;HIST1H4F;HIST1H4D;HIST1H4K;HIST1H4C;HIST1H4J;HIST1H4A;HIST1H4I;HIST1H4B;HIST2H4B;HIST1H4E;HIST1H4I Histone H4	IPI00453473	11,349.70	47	56	ISGLIYEETR	R	G	1,180.62
971	HIST1H4H;HIST2H4A;HIST4H4;HIST1H4F;HIST1H4D;HIST1H4K;HIST1H4C;HIST1H4J;HIST1H4A;HIST1H4I;HIST1H4B;HIST2H4B;HIST1H4E;HIST1H4I Histone H4	IPI00453473	11,349.70	47	56	ISGLIYEETR	R	G	1,180.62
972	OCIAD1 Isoform 1 of OCIA domain-containing protein 1	IPI00016405	27,608.80	47	64	SVPLAATSMILITQGLISK	R	G	1,846.04
973	PCBP2 poly(rC) binding protein 2 isoform b	IPI00012066,IPI00790627	38,204.50	47	57	INISEGNCPER	R	I	1,288.60
974	PCBP2 poly(rC) binding protein 2 isoform b	IPI00012066,IPI00790627	38,204.50	47	57	INISEGNCPER	R	I	1,288.60
975	PCBP2 poly(rC) binding protein 2 isoform b	IPI00012066,IPI00790627	38,204.50	47	57	INISEGNCPER	R	I	1,288.60
976	PCBP2 poly(rC) binding protein 2 isoform b	IPI00012066,IPI00790627	38,204.50	47	57	INISEGNCPER	R	I	1,288.60
977	PCBP1 Poly(rC)-binding protein 1	IPI00016610	37,480.20	47	57	INISEGNCPER	R	I	1,288.60
978	PCBP1 Poly(rC)-binding protein 1	IPI00016610	37,480.20	47	57	INISEGNCPER	R	I	1,288.60
979	PCBP1 Poly(rC)-binding protein 1	IPI00016610	37,480.20	47	57	INISEGNCPER	R	I	1,288.60
980	PCBP1 Poly(rC)-binding protein 1	IPI00016610	37,480.20	47	57	INISEGNCPER	R	I	1,288.60
981	PCBP1 Poly(rC)-binding protein 1	IPI00016610	37,480.20	47	57	INISEGNCPER	R	I	1,288.60
982	CHMP1A Isoform 1 of Charged multivesicular body protein 1a	IPI00382452	21,684.50	47	54	VYAENAIR	R	K	935.4944
983	C16orf14 Isoform 1 of Uncharacterized protein C16orf14	IPI00042604	17,809.50	47	65	AQPFAQPWPWPLSSPGPR	R	L	1,987.02
984	EIF1AX;EIF1AP1 Eukaryotic translation initiation factor 1A, X-chromosomal	IPI00232533	16,443.30	47	57	LEAMCFDGVKR	R	L	1,341.63
985	EIF1AX;EIF1AP1 Eukaryotic translation initiation factor 1A, X-chromosomal	IPI00232533	16,443.30	47	56	LEAMCFDGVK	R	R	1,185.53
986	HNRNPL Heterogeneous nuclear ribonucleoprotein L	IPI00027834	64,114.80	47	59	YGGGSEGGRAPK	R	R	1,298.61
987	PSMD6 26S proteasome non-ATPase regulatory subunit 6	IPI00014151	45,515.40	47	59	DNNMAPYYEALCK	R	S	1,604.67
988	RUVBL1 Isoform 1 of RuvB-like 1	IPI00021187	50,211.40	47	57	EACGVIVELIK	R	S	1,230.68
989	ACTR2 Actin-related protein 2	IPI00005159	44,743.70	47	65	VGNIEIKDLMVGDEASELR	K	S	2,104.06
990	RFC5 Replication factor C subunit 5	IPI00031514,IPI00373883	38,480.40	47	66	FINEDRLPHLLLYGPPGTGK	K	T	2,237.21

991	DRG1 Developmentally-regulated GTP-binding protein 1	IPI00031836	40,525.80	47	61	GGGGGGPGEGFDVAK	K	T	1,261.58
992	MCL1 Isoform 1 of Induced myeloid leukemia cell differentiation protein Mcl-1	IPI00030356	37,320.20	47	75	EIGGGEAGAVIGGSAGASPPS	R	V	2,667.33
993	HIST1H4H;HIST2H4A;HIST4H4;HIST1H4F;HIST1H4D;HIST1H4K;HIST1H4C;HIST1H4J;HIST1H4A;HIST1H4I;HIST1H4B;HIST2H4B;HIST1H4E;HIST1H4I Histone H4	IPI00453473	11,349.70	47	60	ISGLIYEETRGLVK	R	V	1,577.89
994	CDKN2A Cyclin-dependent kinase inhibitor	IPI00001560	17,865.30	47	58	RPIQVMMMSGAR	R	V	1,424.68
995	PELO Protein pelota homolog	IPI00106698	43,358.40	47	60	VQTESSTGSGVSNR	K	V	1,408.67
996	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	47	58	INVYYNEATGGK	R	Y	1,328.65
997	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	47	58	INVYYNEATGGK	R	Y	1,328.65
998	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	47	58	INVYYNEATGGK	R	Y	1,328.65
999	- cDNA FLJ52712, highly similar to Tubulin beta-6 chain	IPI00908469	46,683.90	47	58	INVYYNESSSQK	R	Y	1,431.67
1000	TUBB Tubulin beta chain	IPI00011654	49,652.60	47	58	ISVYYNEATGGK	R	Y	1,301.64
1001	TUBB Tubulin beta chain	IPI00011654	49,652.60	47	58	ISVYYNEATGGK	R	Y	1,301.64
1002	TUBB Tubulin beta chain	IPI00011654	49,652.60	47	58	ISVYYNEATGGK	R	Y	1,301.64
1003	TUBB Tubulin beta chain	IPI00011654	49,652.60	47	58	ISVYYNEATGGK	R	Y	1,301.64
1004	TUBB Tubulin beta chain	IPI00011654	49,652.60	47	58	ISVYYNEATGGK	R	Y	1,301.64
1005	RBM3 Putative RNA-binding protein 3	IPI00024320	17,152.60	48	65	GFGFITFTNPEHASVAMR	R	A	1,981.96
1006	RPL7 60S ribosomal protein L7	IPI00030179,IPI00472171,IPI00871827	29,209.70	48	53	KLIYEK	R	A	793.4819
1007	HIST3H2BB Histone H2B type 3-B	IPI00166293	13,890.60	48	58	QVHPDTGISSK	K	A	1,168.60
1008	H2BFS Histone H2B type F-S	IPI00477495,IPI00816252	13,926.60	48	58	QVHPDTGISSK	K	A	1,168.60
1009	HIST1H2BJ Histone H2B type 1-J	IPI00515061	13,886.70	48	58	QVHPDTGISSK	K	A	1,168.60
1010	AASDHPT L-aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase	IPI00029267	25,469.50	48	57	MRGQAFVIFK	K	E	1,212.66
1011	SNRPB2 U2 small nuclear ribonucleoprotein B"	IPI00024523	36,070.20	48	60	QVAEAYEVLSDAK	K	K	1,422.71
1013	BXDC1 Brix domain-containing protein 1	IPI00396329	35,567.50	48	56	VLKDVYALK	K	K	1,048.64
1014	PEBP1 Phosphatidylethanolamine-binding protein 1	IPI00219446	21,038.90	48	62	NRPTSISWDGLDSGK	K	L	1,632.80
1015	NAT13 Isoform 1 of N-acetyltransferase 13	IPI00018627	19,380.90	48	62	LAYFNDAVAVCCR	K	V	1,728.82
1016	NAT13 Isoform 1 of N-acetyltransferase 13	IPI00018627	19,380.90	48	62	LAYFNDAVAVCCR	K	V	1,728.82
1017	TFG Protein TFG	IPI00294619,IPI00297452,IPI00788849,IPI00790186,IPI00790804,IPI00796921	43,416.20	48	57	LLSNDEVTIK	K	Y	1,131.63
1018	PARK7 Protein DJ-1	IPI00298547	19,873.10	49	63	DVVICPDASLEDAKK	R	E	1,659.83
1019	RAB7A Ras-related protein Rab-7a	IPI00016342	23,472.00	49	69	EVMVDDRRLVTMQIWDTAGQE	K	F	2,524.18
1020	C6orf108 c-Myc-responsive protein Rcl	IPI00007926	19,090.30	49	65	FGTVLTEHVAAAELGAR	R	G	1,741.92
1021	RPL23 60S ribosomal protein L23	IPI00010153,IPI00795408	14,847.90	49	67	LNRLPAAGVGDMVMATVKK	R	G	2,003.08
1022	SNRPD1 Small nuclear ribonucleoprotein Sm D1	IPI00302850,IPI00903286	13,263.90	49	61	NREPQLETLSIR	K	G	1,554.86
1023	TMPO Isoform Beta of Lamina-associated polypeptide 2, isoforms beta/gamma	IPI00030131	50,653.40	49	60	NRPPLPAGTNSK	R	G	1,251.68
1024	TMPO Lamina-associated polypeptide 2, isoform alpha	IPI00216230	75,475.80	49	60	NRPPLPAGTNSK	R	G	1,251.68
1025	RPL23 60S ribosomal protein L23	IPI00010153,IPI00795408	14,847.90	49	66	LNRLPAAGVGDMVMATVK	R	K	1,842.99
1026	RPL23 60S ribosomal protein L23	IPI00010153,IPI00795408	14,847.90	49	66	LNRLPAAGVGDMVMATVK	R	K	1,874.98
1027	RAB7A Ras-related protein Rab-7a	IPI00016342	23,472.00	49	55	EVMVDDR	K	L	879.3878
1028	RAB1B Ras-related protein Rab-1B	IPI00008964,IPI00896425	22,154.00	49	58	TIELDGKTIK	R	L	1,117.65
1029	CHAC2 Cation transport regulator-like protein 2	IPI00103047	20,857.10	49	66	VVTLVEDPAGCVWGVAYR	R	L	1,991.01
1030	LSM4 U6 snRNA-associated Sm-like protein LSM4	IPI00294955	15,332.00	49	55	DGDKFWR	R	M	923.4371
1031	CHCHD3 Coiled-coil-helix-coiled-coil-helix domain-containing protein 3, mitochondrial	IPI00015833	26,134.50	49	63	YSGAYGASVSDEELK	R	R	1,575.72
1032	PAK4 Isoform 1 of Serine/threonine-protein kinase PAK 4	IPI00014068	64,054.80	49	68	RPKPLVDPACITSIQPGAPK	R	T	2,145.19

1033	DCXR L-xylulose reductase	IPI00448095,IPI00797249	25,894.20	50	69	ECPGIEPVCVDLGDWEATER	R	A	2,332.02
1034	YRDC YrdC domain-containing protein, mitochondrial	IPI00384180	29,310.30	50	63	LPGGGAVQAASPER	R	A	1,339.70
1035	RBMX Heterogeneous nuclear ribonucleoprotein G	IPI00304692	42,315.70	50	63	GFAFVTFESPADAK	R	D	1,486.72
1036	RBMX Heterogeneous nuclear ribonucleoprotein G	IPI00304692	42,315.70	50	63	GFAFVTFESPADAK	R	D	1,486.72
1037	RBMX Heterogeneous nuclear ribonucleoprotein G	IPI00304692	42,315.70	50	63	GFAFVTFESPADAK	R	D	1,486.72
1038	RBMX Heterogeneous nuclear ribonucleoprotein G	IPI00304692	42,315.70	50	63	GFAFVTFESPADAK	R	D	1,486.72
1039	RBMX Heterogeneous nuclear ribonucleoprotein G	IPI00304692	42,315.70	50	67	GFAFVTFESPADAKDAAR	R	D	1,899.92
1040	DDX47 Probable ATP-dependent RNA helicase DDX47	IPI00023972,IPI00397372	50,630.40	50	62	IQIEAIPALQGR	K	D	1,421.85
1041	SNRNPB2 U2 small nuclear ribonucleoprotein B"	IPI00029267	25,469.50	50	57	GQAFVIFK	R	E	909.5193
1042	GCLM Glutamate--cysteine ligase regulatory subunit	IPI00010090	30,709.30	50	64	TLNEWSSQINPDLVR	K	E	1,771.90
1043	RPS17 40S ribosomal protein S17	IPI00221093	15,532.50	50	60	IAGYVTHLMKR	K	I	1,304.71
1044	UNG Isoform 2 of Uracil-DNA glycosylase	IPI00011069	34,627.40	50	73	KAPAGQEEPSTPPSSPLSAE QLDR	K	I	2,462.22
1045	GSTK1 Glutathione S-transferase kappa 1	IPI00219673,IPI00440703,IPI00917331,IPI00917714	25,480.10	50	61	DSGNKPPGLLPR	K	K	1,250.69
1046	TAF12 Isoform TAFII20 of Transcription initiation factor TFIID subunit 12	IPI00002806,IPI00759817	17,906.60	50	60	LSPENNQVLTG	R	K	1,242.67
1047	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	50	68	EGRPSGEAFVELESEDEVK	R	L	2,106.98
1048	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	50	68	EGRPSGEAFVELESEDEVK	R	L	2,106.98
1049	RPLP2 60S acidic ribosomal protein P2	IPI00008529	11,647.40	50	61	NIEDVIAQGIGK	K	L	1,256.68
1050	SNRNPB2 U2 small nuclear ribonucleoprotein B"	IPI00029267	25,469.50	50	67	GQAFVIFKELGSSTNALR	R	Q	1,938.04
1051	RPS17 40S ribosomal protein S17	IPI00221093	15,532.50	50	59	IAGYVTHLMK	K	R	1,148.61
1052	ATIC Bifunctional purine biosynthesis protein PURH	IPI00289499	64,598.50	50	64	DVSELTGFPEMLGGR	R	V	1,623.77
1053	ARHGDI A Rho GDP-dissociation inhibitor 1	IPI00003815,IPI00793767,IPI00794402,IPI00796541	23,189.50	50	58	KYKEALLGR	R	V	1,077.64
1054	PABPC1 Isoform 1 of Polyadenylate-binding protein 1	IPI00008524	70,653.30	51	67	SLGYAYVNFQQPADAER	R	A	1,928.91
1055	PABPC4 Isoform 1 of Polyadenylate-binding protein 4	IPI00012726,IPI00555747,IPI00642904,IPI00642944	70,765.80	51	67	SLGYAYVNFQQPADAER	R	A	1,928.91
1056	RPS16 40S ribosomal protein S16	IPI00221092	16,427.90	51	60	LLEPVLLLGK	K	E	1,094.72
1057	RPL26 60S ribosomal protein L26	IPI00027270	17,240.40	51	59	KDDEVQVVR	R	G	1,087.57
1058	VPS29 Isoform 1 of Vacuolar protein sorting-associated protein 29	IPI00170796,IPI00184284,IPI00798102	20,488.10	51	60	TLAGDVHIVR	K	G	1,080.62
1059	VPS29 Isoform 1 of Vacuolar protein sorting-associated protein 29	IPI00170796,IPI00184284,IPI00798102	20,488.10	51	60	TLAGDVHIVR	K	G	1,080.62
1060	TRMT1 Isoform 1 of N(2),N(2)-dimethylguanosine tRNA methyltransferase	IPI00020508,IPI00178861	72,215.30	51	63	EVQETTIVTEGAAK	R	I	1,362.67
1061	CACYBP Isoform 1 of Calcyclin-binding protein	IPI00395627	26,192.30	51	74	KAELLDNEKPAAVVAPITGTYT VK	K	I	2,528.40
1062	HSPA5 HSPA5 protein	IPI00003362	72,405.60	51	61	VEIANDQGNR	R	I	1,228.63
1063	BZW2 Basic leucine zipper and W2 domain-containing protein 2	IPI00022305,IPI00894416	48,146.00	51	58	FLDSTGSR	K	L	882.4316
1064	BUB3 Mitotic checkpoint protein BUB3	IPI00013468,IPI00514701,IPI00644108	37,136.70	51	80	LKYQHTGAVLDCAFYDPTHA WSGGLDHQLK	R	M	3,428.65
1065	HNRNPC Isoform C1 of Heterogeneous nuclear ribonucleoproteins C1/C2	IPI00216592,IPI00477313,IPI00909232	32,320.00	51	61	GFAFVQYVNER	K	N	1,329.66
1066	GOSR2 Isoform A of Golgi SNAP receptor complex member 2	IPI00023135,IPI00216965,IPI00788709,IPI00793112,IPI00795521	24,757.90	51	63	LEILSSKEPPNKR	R	Q	1,510.86
1067	VIM Vimentin	IPI00418471	53,634.60	51	64	SLYASSPGGVYATR	R	S	1,428.71
1068	DNAJB12 DnaJ (Hsp40) homolog, subfamily B, member 12	IPI00014400	45,472.60	52	60	AIQSNQPDR	K	A	1,028.51
1069	STUB1 Isoform 1 of STIP1 homology and U box-containing protein 1	IPI00025156	34,839.00	52	66	AITRNPLVAVYYTNR	R	A	1,750.96
1070	EIF4A3 Eukaryotic initiation factor 4A-III	IPI00009328	46,854.40	52	67	GIYAYGFKEKPSAIQQR	R	A	1,827.94
1071	ARL15 ADP-ribosylation factor-like protein 15	IPI00005163	22,859.10	52	69	LCSESPDNVVSTTGFSIK	K	A	1,940.93

1072	GLO1 Lactoylglutathione lyase	IPI00220766	20,760.80	52	60	VLGMTLIQK	R	C	1,018.60
1073	TOMM20 Mitochondrial import receptor subunit TOM20 homolog	IPI00016676	16,280.30	52	68	AGLSKLPDLKDAAEVQK	R	F	1,783.00
1074	PDZD11 Isoform 1 of PDZ domain-containing protein 11	IPI00550841,IPI00641523	16,113.50	52	63	KPPGAQLGFNIR	K	G	1,297.74
1075	LMNB1 Lamin-B1	IPI00217975	66,391.60	52	71	SLETENSALQLQVTEREEVR	R	G	2,331.18
1076	CACYBP Isoform 1 of Calcyclin-binding protein	IPI00395627	26,192.30	52	74	AELLDNEKPAAVVAPITTYTV	K	I	2,400.30
1077	RPL31 60S ribosomal protein L31	IPI00026302	14,445.20	52	63	FAMKEMGTPDVR	K	I	1,413.65
1078	AK2 Isoform 1 of Adenylate kinase isoenzyme 2, mitochondrial	IPI00215901	26,461.00	52	62	AMVASGSELGK	R	K	1,065.52
1079	RPL23 60S ribosomal protein L23	IPI00010153,IPI00795408	14,847.90	52	66	LPAAGVGDMMVMTVK	R	K	1,491.75
1080	AK2 Isoform 1 of Adenylate kinase isoenzyme 2, mitochondrial	IPI00215901	26,461.00	52	63	AMVASGSELGKK	R	L	1,193.62
1081	RPS26;LOC728937 40S ribosomal protein S26	IPI00655650,IPI00902801	12,997.50	52	66	DISEASVFDAYVLPK	R	L	1,653.84
1082	RAB1A Isoform 1 of Ras-related protein Rab-1A	IPI00005719,IPI00873902	22,660.40	52	61	TIELDGKTIK	R	L	1,117.65
1083	KPNA2;LOC728860 Importin subunit alpha-2	IPI00002214,IPI00789457	57,844.50	52	68	NVSSFPDDATSPLQENR	R	N	1,876.87
1084	PAPSS1 Bifunctional 3'-phosphoadenosine 5'-phosphosulfate synthetase 1	IPI00011619	70,815.20	52	65	GCTVWLTGLSGAGK	R	T	1,406.71
1085	MBD3 Isoform 1 of Methyl-CpG-binding domain protein 3	IPI00439194,IPI00439195	32,826.30	52	65	YLGGSMDLSTFDFR	R	T	1,624.73
1086	TIMM23 Mitochondrial import inner membrane translocase subunit Tim23	IPI00007309	21,926.20	52	68	YLVQDTDEFILPTGANK	R	T	1,923.97
1087	PPIB Peptidyl-prolyl cis-trans isomerase B	IPI00646304	23,725.20	52	59	IGDEDVGR	R	V	860.411
1088	MDH2 Malate dehydrogenase, mitochondrial	IPI00291006	35,485.70	53	74	LTLYDIAHTPGVAADLSHIETK	R	A	2,365.24
1089	UBE2L3 Ubiquitin-conjugating enzyme E2 L3	IPI00021347	17,844.30	53	67	IEINFPAEYFPKPPK	R	I	1,789.95
1090	PCNP Isoform 1 of PEST proteolytic signal-containing nuclear protein	IPI00291608,IPI00796456	18,907.40	53	67	SAEEEEADLPTKPTK	R	I	1,586.79
1091	TROVE2 Isoform Long of 60 kDa SS-A/Ro ribonucleoprotein	IPI00019450,IPI00642416,IPI00646322,IPI00646813	60,654.10	53	63	LGLENAEALIR	K	L	1,198.68
1092	HNRNPF Heterogeneous nuclear ribonucleoprotein F	IPI00003881	45,653.80	53	68	QSGEAFVELGSEDDVK	R	M	1,709.79
1093	BUB3 Mitotic checkpoint protein BUB3	IPI00013468,IPI00514701,IPI00644108	37,136.70	53	80	YQHTGAVLDCAFYDPTHAWS	K	M	3,187.47
1094	HNRNPK Isoform 1 of Heterogeneous nuclear ribonucleoprotein K	IPI00216049,IPI00216746,IPI00807545,IPI00910458	50,960.50	53	63	GGLDHQLK NAGAVIGKGGK	K	N	971.5634
1095	TMCO1 Isoform 1 of Transmembrane and coiled-coil domain-containing protein 1	IPI00026111,IPI00761107	21,158.30	53	63	KKETITESAGR	K	Q	1,219.66
1096	SERBP1 Isoform 1 of Plasminogen activator inhibitor 1 RNA-binding protein	IPI00410693,IPI00412714,IPI00470497,IPI00470498	44,947.80	53	68	SAAQAAAQTNNSAAGK	K	Q	1,460.71
1097	SERBP1 Isoform 1 of Plasminogen activator inhibitor 1 RNA-binding protein	IPI00410693,IPI00412714,IPI00470497,IPI00470498	44,947.80	53	68	SAAQAAAQTNNSAAGK	K	Q	1,460.71
1098	EBP 3-beta-hydroxysteroid-Delta(8),Delta(7)-isomerase	IPI00008599	26,335.10	53	62	AAVPLGTWR	R	R	1,069.62
1099	IGF2BP1 Insulin-like growth factor 2 mRNA-binding protein 1	IPI00008557	63,438.30	53	66	AIETFSGKVELQGK	K	R	1,506.82
1100	NDNL2 Melanoma-associated antigen G1	IPI00217104	34,291.10	53	69	GPGGSQGSQGPSPQGAR	R	R	1,524.72
1101	STMN1 Stathmin	IPI00479997	17,285.00	53	60	KLEAAEER	K	R	945.5
1102	RPL22 60S ribosomal protein L22	IPI00219153,IPI00878392	14,769.30	53	65	AGNLGGGVVTIER	K	S	1,242.68
1103	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	54	69	IRYESLTDPSKLDGSK	K	E	1,808.94
1104	NIP7 Isoform 1 of 60S ribosome subunit biogenesis protein NIP7 homolog	IPI00007175,IPI00020793	20,444.90	54	72	LAANISGDKLVSLGTCFGK	K	F	1,951.03
1105	PDCD10 Programmed cell death protein 10	IPI00298558	24,684.50	54	65	ENPGLTQDIIMK	K	I	1,374.69
1106	PSMA5 Proteasome subunit alpha type-5	IPI00291922	26,393.30	54	66	ITSPLMEPSSIEK	R	I	1,431.74
1107	PSMA5 Proteasome subunit alpha type-5	IPI00291922	26,393.30	54	66	ITSPLMEPSSIEK	R	I	1,447.74
1108	CNN3 Calponin-3	IPI00216682,IPI00873410,IPI00909623	36,396.60	54	64	DGIILCELINK	K	L	1,287.70
1109	CCT7 T-complex protein 1 subunit eta	IPI00018465	59,349.80	54	67	GKATISNDGATILK	R	L	1,388.77
1110	GABPA GA-binding protein alpha chain	IPI00299413	51,277.40	54	58	LLEPR	K	L	627.3825

1111	TRAPPC5 Trafficking protein particle complex subunit 5	IP100177509	20,765.40	54	59	LAALGR	R	Q	600.3828
1112	DUSP3 Dual specificity protein phosphatase 3	IP100018671,IP100790757	20,460.80	54	66	LGITHVLNAAEGR	K	S	1,350.75
1113	RNH1 Ribonuclease inhibitor	IP100550069	49,956.40	54	64	VNPALAE LNLR	R	S	1,209.70
1114	CCDC86 Coiled-coil domain-containing protein 86	IP100012199	40,218.10	54	64	AGLGSPPERPPK	R	T	1,108.61
1115	NUDC Nuclear migration protein nudC	IP100550746	38,225.70	54	68	LITQTFSHHNQLAQK	K	T	1,765.93
1116	UBE2N Ubiquitin-conjugating enzyme E2 N	IP100003949	17,120.60	54	68	LELFLPEEYPM A A P K	K	V	1,763.89
1117	HNRNPA1 Isoform A1-B of Heterogeneous nuclear ribonucleoprotein A1	IP100215965,IP100465365	38,828.10	54	78	SRGFGFV TYATV E E V D A A M N ARPHK	R	V	2,769.34
1118	PSMB6 Proteasome subunit beta type-6	IP100000811,IP100789119	25,339.90	54	63	TTTGSYIANR	R	V	1,083.54
1119	HIST1H1C Histone H1.2	IP100217465	21,347.80	55	64	SGVSLAALKK	R	A	973.6041
1120	HIST1H1C Histone H1.2	IP100217465	21,347.80	55	64	SGVSLAALKK	R	A	973.6041
1121	HIST1H1C Histone H1.2	IP100217465	21,347.80	55	64	SGVSLAALKK	R	A	973.6041
1122	SMAD5 Mothers against decapentaplegic homolog 5	IP100017730,IP100903182	52,239.90	55	64	ALSSPGQPSK	K	C	971.5157
1123	UBB;RPS27A;UBC ubiquitin and ribosomal protein S27a precursor	IP100179330,IP100456429,IP100719280,IP100743241,IP100743650,IP100744274,IP100784990,IP100789107,IP100789823,IP100790633,IP100792712,IP100793330,IP100793729,IP100793810,IP100794211,IP100794925,IP100795527,IP100796007,IP100796600,IP100797400,IP100798127,IP100798155	17,947.60	55	63	TLSDYNIQK	R	E	1,081.55
1124	SNRPD3 Small nuclear ribonucleoprotein Sm D3	IP100017964,IP100878876,IP100879750	13,898.60	55	64	VAQLEQVYIR	R	G	1,218.68
1125	PHB2 Prohibitin-2	IP100027252	33,279.60	55	71	IGGVQQDTILAEGLHFR	R	I	1,853.99
1126	RAD21 Double-strand-break repair protein rad21 homolog	IP100006715	71,673.60	55	65	TSGHLLLG V V R	R	I	1,151.69
1127	VPS28 Vacuolar protein sorting-associated protein 28 homolog	IP100007155,IP100328913,IP100795056,IP100796001	25,408.00	55	72	AYIKDCVSPSEYTAACSR	K	L	2,077.93
1128	UBB;RPS27A;UBC ubiquitin and ribosomal protein S27a precursor	IP100179330,IP100456429,IP100719280,IP100743241,IP100743650,IP100744274,IP100784990,IP100789107,IP100789823,IP100790633,IP100792712,IP100793330,IP100793729,IP100793810,IP100794211,IP100794925,IP100795527,IP100796007,IP100796600,IP100797400,IP100798127,IP100798155	17,947.60	55	72	TLSDYNIQKESTLHLVLR	R	L	2,130.16
1129	UBB;RPS27A;UBC ubiquitin and ribosomal protein S27a precursor	IP100179330,IP100456429,IP100719280,IP100743241,IP100743650,IP100744274,IP100784990,IP100789107,IP100789823,IP100790633,IP100792712,IP100793330,IP100793729,IP100793810,IP100794211,IP100794925,IP100795527,IP100796007,IP100796600,IP100797400,IP100798127,IP100798155	17,947.60	55	72	TLSDYNIQKESTLHLVLR	R	L	2,130.16
1130	EXOSC9 Isoform 2 of Exosome complex exonuclease RRP45	IP100029697,IP100654592	50,786.00	55	67	VLGQVSC ELVSPK	R	L	1,415.76
1131	CHMP1A Isoform 1 of Charged multivesicular body protein 1a	IP100382452	21,684.50	55	64	KKNEGVN W L R	R	M	1,243.69
1132	TMCO1 Isoform 1 of Transmembrane and coiled-coil domain-containing protein 1	IP100026111,IP100761107	21,158.30	55	63	ETITESAGR	K	Q	963.4742
1133	TCEA1 Isoform 1 of Transcription elongation factor A protein 1	IP100333215	33,952.60	55	67	KQSTDEE V T S L A K	R	S	1,435.73
1134	TRAPPC3 Trafficking protein particle complex subunit 3	IP100004324,IP100640089	20,256.70	55	62	LIEDFLAR	R	S	976.5463
1135	RPS18;LOC100130553 40S ribosomal protein S18	IP100013296	17,701.30	55	66	RAGELTEDEVER	K	V	1,403.68
1136	STUB1 Isoform 1 of STIP1 homology and U box-containing protein 1	IP100025156	34,839.00	56	66	NPLVAVYYTNR	R	A	1,309.69
1137	TCEB2 Transcription elongation factor B polypeptide 2	IP100026670,IP100410162,IP100917694	13,115.20	56	80	TLGECGFTSQTARQPATV GLAFR	K	A	2,636.33
1138	HNRNPH3 Isoform 1 of Heterogeneous nuclear ribonucleoprotein H3	IP100013877,IP100216492	36,909.60	56	67	STGEAFVQFASK	R	E	1,271.63
1139	RPS13 40S ribosomal protein S13	IP100221089	17,205.30	56	64	DSHGVAQVR	R	F	968.4908
1140	RAB7A Ras-related protein Rab-7a	IP100016342	23,472.00	56	69	LVTMQIWDTAGQER	R	F	1,647.82
1141	GDI1 Rab GDP dissociation inhibitor alpha	IP100010154,IP100910113	50,566.10	56	68	FQLLEGPPESMGR	R	G	1,476.72
1142	AK1 Adenylate kinase isoenzyme 1	IP100018342,IP100640817	21,617.10	56	63	KLSEIMEK	K	G	993.5287
1143	LSM4 U6 snRNA-associated Sm-like protein LSM4	IP100294955	15,332.00	56	62	MPECYIR	R	G	984.4278
1144	GSTP1 Glutathione S-transferase P	IP100219757	23,338.70	56	71	FQDGLTLYQSNTILR	K	H	1,883.95
1145	PPIA Peptidyl-prolyl cis-trans isomerase A	IP100419585,IP100887678	17,994.90	56	69	IIPGFMCQGGDFTR	R	H	1,598.75
1146	PPIA Peptidyl-prolyl cis-trans isomerase A	IP100419585,IP100887678	17,994.90	56	69	IIPGFMCQGGDFTR	R	H	1,598.75
1147	PSMD12 26S proteasome non-ATPase regulatory subunit 12	IP100185374	52,888.20	56	65	TASDMVSTSR	R	I	1,070.48

1148	EIF5A Isoform 1 of Eukaryotic translation initiation factor 5A-1	IPI00411704,IPI00855924	16,814.70	56	67	VHLVGIDIFTGK	K	K	1,298.75
1149	PPCS Phosphopantothenate--cysteine ligase	IPI00023987	33,988.00	56	64	FLDNFSSGR	R	R	1,042.50
1150	SNRPA1 U2 small nuclear ribonucleoprotein A'	IPI00297477	28,399.10	56	64	KLDGFPLLR	R	R	1,058.64
1151	C21orf70 Isoform A of Uncharacterized protein C21orf70	IPI00027898,IPI00217294	25,438.70	56	72	TKIDPSALVQKLELDVR	R	S	1,925.11
1152	GNPNAT1 Glucosamine 6-phosphate N-acetyltransferase	IPI00061525	20,731.30	56	73	VLGQLTETGVVSPEQFMK	K	S	1,963.02
1153	NUDT5 ADP-sugar pyrophosphatase	IPI00296913,IPI00646762	24,309.80	56	70	EQTADGVAVIPVLQR	K	T	1,595.88
1154	RPS18;LOC100130553 40S ribosomal protein S18	IPI00013296	17,701.30	56	66	AGELTEDEVER	R	V	1,247.58
1155	HNRNPA1 Isoform A1-B of Heterogeneous nuclear ribonucleoprotein A1	IPI00215965,IPI00465365	38,828.10	56	78	GFGFVYATVEEVDAAMNAR	R	V	2,526.21
1156	HNRNPA1 Isoform A1-B of Heterogeneous nuclear ribonucleoprotein A1	IPI00215965,IPI00465365	38,828.10	56	78	GFGFVYATVEEVDAAMNAR PHK	R	V	2,510.21
1157	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	56	70	KQSLGELIGTLNAAK	R	V	1,542.89
1158	NAP1L1 Nucleosome assembly protein 1-like 1	IPI00023860,IPI00789029,IPI00796965	45,357.00	56	72	LDGLVETPTGYIESLPR	R	V	1,859.98
1159	NAP1L1 Nucleosome assembly protein 1-like 1	IPI00023860,IPI00789029,IPI00796965	45,357.00	56	72	LDGLVETPTGYIESLPR	R	V	1,859.98
1160	TIPRL Isoform 1 of TIP41-like protein	IPI00745568	31,426.80	57	74	IQHSGSGFIEFNATDALR	R	C	1,932.96
1161	PSMB1 Proteasome subunit beta type-1	IPI00025019	26,472.50	57	66	LSEGSIIHR	R	D	1,146.59
1162	RPS8 40S ribosomal protein S8	IPI00216587,IPI00872430	24,188.40	57	74	ALRLDVGNFSWGSECCTR	R	K	2,127.97
1163	METTL7A Methyltransferase-like protein 7A	IPI00022300	28,301.60	57	71	ELFSNLQEFAGPSGK	R	L	1,623.80
1164	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	57	72	NQVALNPQNTVFDAGR	K	L	1,814.95
1165	- cDNA FLJ54408, highly similar to Heat shock 70 kDa protein 1	IPI00911039	63,907.90	57	72	NQVALNPQNTVFDAGR	K	L	1,814.95
1166	COP55 COP9 signalosome complex subunit 5	IPI00009958,IPI00556139	37,561.90	57	64	ISALALLK	K	M	828.5554
1167	FYTTD1 Forty-two-three domain-containing protein 1	IPI00289907	35,782.20	57	67	LLQQSGAQQFR	R	M	1,275.68
1168	PRDX6 Peroxiredoxin-6	IPI00220301	25,018.10	57	64	LAPEFAKR	K	N	931.536
1169	DDX5 Probable ATP-dependent RNA helicase DDX5	IPI00017617	69,131.70	57	67	NFYQEHPDLAR	K	R	1,389.65
1170	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	57	71	NQVALNPQNTVFDAG	K	R	1,658.85
1171	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	57	71	NQVALNPQNTVFDAG	K	R	1,658.85
1172	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	57	71	NQVALNPQNTVFDAG	K	R	1,658.85
1173	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	57	71	NQVALNPQNTVFDAG	K	R	1,658.85
1174	- cDNA FLJ54408, highly similar to Heat shock 70 kDa protein 1	IPI00911039	63,907.90	57	71	NQVALNPQNTVFDAG	K	R	1,658.85
1175	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	70,881.80	57	71	NQVAMNPTNTVFDAG	K	R	1,665.79
1176	RAB2B Ras-related protein Rab-2B	IPI00102896	24,197.10	57	69	LQIWDTAGQESFR	K	S	1,550.76
1177	RPL18A 60S ribosomal protein L18a	IPI00026202	20,744.60	57	70	SSGEIVYCGQVFEK	K	S	1,602.75
1178	PKM2 Isoform M1 of Pyruvate kinase isozymes M1/M2	IPI00220644,IPI00479186	58,044.60	57	66	SVETLKEMIK	R	S	1,177.65
1179	HOXD13 homeobox D13	IPI00793525,IPI00871270	36,083.20	57	82	AAAAAAAAAAAAAASGFAYP GTSER	R	T	2,237.09
1180	EIF3CL;EIF3C Eukaryotic translation initiation factor 3 subunit C	IPI00016910,IPI00646839,IPI00873286,IPI00910003	105,329.20	57	65	FEELTNLIR	R	T	1,134.62
1181	RPL30 60S ribosomal protein L30	IPI00219156,IPI00872940	12,766.70	57	68	KSEIEYAMLAK	R	T	1,445.73
1182	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	57	70	QSLGELIGTLNAAK	K	V	1,414.79
1183	NME2 Nucleoside diphosphate kinase B	IPI00026260	17,280.20	57	66	DRPFFPGLVK	K	Y	1,175.66
1184	HNRNPM Isoform 1 of Heterogeneous nuclear ribonucleoprotein M	IPI00171903,IPI00383296	77,499.30	57	70	GGNRFEPYANPTKR	R	Y	1,606.81
1185	HMGB1 High mobility group protein B1	IPI00419258	24,876.70	58	65	GKFEDMAK	K	A	941.4399
1186	PCBP2 poly(rC) binding protein 2 isoform b	IPI00012066,IPI00790627	38,204.50	58	70	IITLAGPTNAIFK	R	A	1,358.80
1187	PCBP2 poly(rC) binding protein 2 isoform b	IPI00012066,IPI00790627	38,204.50	58	70	IITLAGPTNAIFK	R	A	1,358.80
1188	PCBP2 poly(rC) binding protein 2 isoform b	IPI00012066,IPI00790627	38,204.50	58	70	IITLAGPTNAIFK	R	A	1,358.80
1189	PCBP1 Poly(rC)-binding protein 1	IPI00016610	37,480.20	58	70	IITLTGPTNAIFK	R	A	1,388.82
1190	PCBP1 Poly(rC)-binding protein 1	IPI00016610	37,480.20	58	70	IITLTGPTNAIFK	R	A	1,388.82

1191	PCBP1 Poly(rC)-binding protein 1	IPI00016610	37,480.20	58	70	IITLTGPTNAIFK	R	A	1,388.82
1192	PCBP1 Poly(rC)-binding protein 1	IPI00016610	37,480.20	58	70	IITLTGPTNAIFK	R	A	1,388.82
1193	PSMC5 26S protease regulatory subunit 8	IPI00023919,IPI00745502	45,609.10	58	78	LLREELQLLQEQGSYVGEVV R	R	A	2,458.33
1194	SFRS3 Splicing factor, arginine/serine-rich 3	IPI00010204,IPI00843996	19,312.00	58	64	DAADAVR	R	E	717.3526
1195	BTF3 Isoform 1 of Transcription factor BTF3	IPI00221035	22,150.30	58	63	LQAQVR	K	I	714.4257
1196	HIST2H3A;HIST2H3D;HIST2H3C Histone H3.2	IPI00171611,IPI00219038,IPI00465070,IPI00909530	15,370.70	58	64	STELLIR	K	K	831.4935
1197	HIST2H3A;HIST2H3D;HIST2H3C Histone H3.2	IPI00171611,IPI00219038,IPI00465070,IPI00909530	15,370.70	58	64	STELLIR	K	K	831.4935
1198	GPSN2 Isoform 1 of Synaptic glycoprotein SC2	IPI00100656,IPI00644037	36,018.00	58	67	SLKDEDVLQK	K	L	1,174.63
1199	HIST2H3A;HIST2H3D;HIST2H3C Histone H3.2	IPI00171611,IPI00219038,IPI00465070,IPI00909530	15,370.70	58	65	STELLIRK	K	L	959.5885
1200	CCT2 T-complex protein 1 subunit beta	IPI00297779	57,471.90	58	72	DASLMVTNDGATILK	R	N	1,564.79
1201	SNRNPB2 U2 small nuclear ribonucleoprotein B"	IPI00029267	25,469.50	58	67	ELGSVTNALR	K	Q	1,047.54
1202	RPS7 40S ribosomal protein S7	IPI00013415	22,109.50	58	70	KAIIFVVPVQLK	R	S	1,465.95
1203	HMGB2 High mobility group protein B2	IPI00219097	24,016.60	58	65	SKFEDMAK	K	S	971.4504
1204	MTHFD1 C-1-tetrahydrofolate synthase, cytoplasmic	IPI00218342,IPI00794900	101,543.50	59	66	AAEEIGIK	K	A	830.4619
1205	CBR1 Carbonyl reductase [NADPH] 1	IPI00295386	30,356.80	59	71	FHQLDIDDLQSIR	R	A	1,599.81
1206	CMPK1 cytidine monophosphate (UMP-CMP) kinase 1, cytosolic isoform a	IPI00219953	25,837.80	59	71	YGTHLSAGELLR	K	D	1,479.76
1207	RAB18 Ras-related protein Rab-18	IPI00014577	22,959.50	59	69	LAIWDTAGQER	K	F	1,259.64
1208	RAB1B Ras-related protein Rab-1B	IPI00008964,IPI00896425	22,154.00	59	69	LQIWDTAGQER	K	F	1,316.66
1209	RAB8A Ras-related protein Rab-8A	IPI00028481	23,651.60	59	69	LQIWDTAGQER	K	F	1,316.66
1210	RAB35 Ras-related protein Rab-35	IPI00300096	23,007.20	59	69	LQIWDTAGQER	K	F	1,316.66
1211	HIST3H2BB Histone H2B type 3-B	IPI00166293	13,890.60	59	73	AMGIMNSFVNDIFER	K	I	1,759.81
1212	H2BFS Histone H2B type F-S	IPI00477495,IPI00816252	13,926.60	59	73	AMGIMNSFVNDIFER	K	I	1,759.81
1213	H2BFS Histone H2B type F-S	IPI00477495,IPI00816252	13,926.60	59	73	AMGIMNSFVNDIFER	K	I	1,775.81
1214	H2BFS Histone H2B type F-S	IPI00477495,IPI00816252	13,926.60	59	73	AMGIMNSFVNDIFER	K	I	1,775.81
1215	H2BFS Histone H2B type F-S	IPI00477495,IPI00816252	13,926.60	59	73	AMGIMNSFVNDIFER	K	I	1,775.81
1216	H2BFS Histone H2B type F-S	IPI00477495,IPI00816252	13,926.60	59	73	AMGIMNSFVNDIFER	K	I	1,775.81
1217	H2BFS Histone H2B type F-S	IPI00477495,IPI00816252	13,926.60	59	73	AMGIMNSFVNDIFER	K	I	1,775.81
1218	H2BFS Histone H2B type F-S	IPI00477495,IPI00816252	13,926.60	59	73	AMGIMNSFVNDIFER	K	I	1,775.81
1219	HIST1H2BJ Histone H2B type 1-J	IPI00515061	13,886.70	59	73	AMGIMNSFVNDIFER	K	I	1,759.81
1220	FAM32A Protein FAM32A	IPI00022402	13,160.80	59	67	TPAQAAFEK	R	M	962.4942
1221	GSPT1 G1 to S phase transition 1 isoform 2	IPI00909083,IPI00910513	68,555.00	59	67	ENLSAAFSR	R	Q	994.4951
1222	RPS7 40S ribosomal protein S7	IPI00013415	22,109.50	59	70	AIIIFVVPVQLK	K	S	1,337.86
1223	SNCA Isoform 1 of Alpha-synuclein	IPI00024107,IPI00218467	14,441.30	59	80	TKEQVTNVGGAVVTGVTAVA QK	K	T	2,157.19
1224	ATP5A1 ATP synthase subunit alpha, mitochondrial	IPI00440493	59,734.10	59	73	ILGADTSVDLEETGR	R	V	1,575.79
1225	HMGN2 Non-histone chromosomal protein HMG-17	IPI00217950	9,375.10	60	82	ADAGKEGNNPAENGDAKTDQ AQK	K	A	2,329.07
1226	RAB10 Ras-related protein Rab-10	IPI00016513	22,524.10	60	70	LQIWDTAGQER	K	F	1,316.66
1227	PSMA6 Proteasome subunit alpha type-6	IPI00029623	27,381.50	60	71	LLDSSTVTHLFK	K	I	1,360.75
1228	ARF1 ADP-ribosylation factor 1	IPI00215914,IPI00215917	20,679.60	60	73	NISFTVWDVGGQDK	K	I	1,565.76
1229	ILF2 Interleukin enhancer-binding factor 2	IPI00005198,IPI00872107	43,044.70	60	80	RNQDLAPNSAEQASILSLVTK	K	I	2,255.20
1230	METTL11A Chromosome 9 open reading frame 32	IPI00515040,IPI00549389	15,878.80	60	74	TGTSCALDCGAGIGR	K	I	1,495.66
1231	CUGBP1 Isoform 1 of CUG-BP- and ETR-3-like factor 1	IPI00034015,IPI00218388,IPI00218389,IPI00853009	52,046.00	60	69	GCCFVTFYTR	K	K	1,310.57
1232	RPS8 40S ribosomal protein S8	IPI00216587,IPI00872430	24,188.40	60	74	LDVGNFSWGSECCTR	R	K	1,787.75
1233	RCC1 regulator of chromosome condensation 1 isoform a	IPI00001661,IPI00747309,IPI00787306	48,126.30	60	88	SHSTEPGLVLTGQGQDVGQL GLGENVMER	R	K	3,009.50
1234	SUB1 Activated RNA polymerase II transcriptional coactivator p15	IPI00221222	14,377.90	60	68	DDNMFQIGK	R	M	1,083.48
1235	FASN Fatty acid synthase	IPI00026781	273,382.00	60	70	FDASFFGVHPK	R	Q	1,251.62

1236	FASN Fatty acid synthase	IP100026781	273,382.00	60	70	FDASFFGVHPK	R	Q	1,251.62
1237	CCT4 T-complex protein 1 subunit delta	IP100302927,IP100873222	57,907.90	60	79	MIQDGGKGDVITITNDGATILK	K	Q	2,106.08
1238	ARD1A N-terminal acetyltransferase complex ARD1 subunit homolog A	IP100013184	26,441.00	60	78	MEEDPDDVPHGHITSLAVK	K	R	2,089.99
1239	HMG2 Non-histone chromosomal protein HMG-17	IP100217950	9,375.10	60	76	ADAGKEGNNPAENGDAK	K	T	1,657.74
1240	SNF8 Isoform 1 of Vacuolar-sorting protein SNF8	IP100101524,IP100640699	28,846.90	60	65	KNPEFR	R	V	790.4206
1241	HIST1H4H;HIST2H4A;HIST4H4;HIST1H4F;HIST1H4D;HIST1H4K;HIST1H4C;HIST1H4J;HIST1H4A;HIST1H4I;HIST1H4B;HIST2H4B;HIST1H4E;HIST1H4I Histone H4	IP100453473	11,349.70	61	68	VFLENVIR	K	D	989.5778
1242	HIST1H4H;HIST2H4A;HIST4H4;HIST1H4F;HIST1H4D;HIST1H4K;HIST1H4C;HIST1H4J;HIST1H4A;HIST1H4I;HIST1H4B;HIST2H4B;HIST1H4E;HIST1H4I Histone H4	IP100453473	11,349.70	61	68	VFLENVIR	K	D	989.5778
1243	HIST1H4H;HIST2H4A;HIST4H4;HIST1H4F;HIST1H4D;HIST1H4K;HIST1H4C;HIST1H4J;HIST1H4A;HIST1H4I;HIST1H4B;HIST2H4B;HIST1H4E;HIST1H4I Histone H4	IP100453473	11,349.70	61	68	VFLENVIR	K	D	989.5778
1244	HIST1H4H;HIST2H4A;HIST4H4;HIST1H4F;HIST1H4D;HIST1H4K;HIST1H4C;HIST1H4J;HIST1H4A;HIST1H4I;HIST1H4B;HIST2H4B;HIST1H4E;HIST1H4I Histone H4	IP100453473	11,349.70	61	68	VFLENVIR	K	D	989.5778
1245	HIST1H4H;HIST2H4A;HIST4H4;HIST1H4F;HIST1H4D;HIST1H4K;HIST1H4C;HIST1H4J;HIST1H4A;HIST1H4I;HIST1H4B;HIST2H4B;HIST1H4E;HIST1H4I Histone H4	IP100453473	11,349.70	61	68	VFLENVIR	K	D	989.5778
1246	HNRNPA2B1 43 kDa protein	IP100874030	43,234.30	61	76	SAAGNRAEATESAMER	R	E	1,666.74
1247	HNRNPA2B1 43 kDa protein	IP100874030	43,234.30	61	76	SAAGNRAEATESAMER	R	E	1,666.74
1248	RAN GTP-binding nuclear protein Ran	IP100643041,IP100795671	24,405.10	61	71	FNVDWTAGQEK	K	F	1,294.61
1249	NSDHL Sterol-4-alpha-carboxylate 3-dehydrogenase, decarboxylating	IP100019407,IP100646262	41,882.80	61	79	GYAVNVFDIQGGFDNPQVR	R	F	2,167.06
1250	SLC25A5 ADP/ATP translocase 2	IP100007188	32,878.50	61	72	IPKEQGVLSFWR	R	G	1,459.81
1251	SLC25A6 ADP/ATP translocase 3	IP100291467	32,849.10	61	72	IPKEQGVLSFWR	R	G	1,459.81
1252	PSMA7 Isoform 1 of Proteasome subunit alpha type-7	IP100024175	27,869.10	61	81	KICALDDNVCMFAAGLTADAR	R	I	2,328.08
1253	ILF2 Interleukin enhancer-binding factor 2	IP100005198,IP100872107	43,044.70	61	80	NQDLAPNSAEQASILSLVTK	R	I	2,099.10
1254	DNM1L Isoform 5 of Dynamin-1-like protein	IP100037283,IP100146935,IP100235412,IP100473085,IP100555883,IP100871742	79,093.20	61	76	RPLILQLVHVSQEDKR	R	K	1,931.12
1255	DNM1L Isoform 5 of Dynamin-1-like protein	IP100037283,IP100146935,IP100235412,IP100473085,IP100555883,IP100871742	79,093.20	61	76	RPLILQLVHVSQEDKR	R	K	1,931.12
1256	YWHAZ 14-3-3 protein zeta/delta	IP100021263	27,727.90	61	74	VVSSIEQKTEGAEK	R	K	1,504.79
1257	YWHAB Isoform Short of 14-3-3 protein beta/alpha	IP100759832	27,832.80	61	71	VISSIEQKTER	R	N	1,289.71
1258	YWHAZ 14-3-3 protein zeta/delta	IP100021263	27,727.90	61	75	VVSSIEQKTEGAEEK	R	Q	1,632.88
1259	UROD Uroporphyrinogen decarboxylase	IP100301489,IP100514944	40,769.20	61	74	SPEACCELTLQPLR	R	R	1,673.80
1260	TMPO Isoform Beta of Lamina-associated polypeptide 2, isoforms beta/gamma	IP100030131	50,653.40	61	86	GPPDFSSDEEREPTVPLGSG	K	S	2,570.21
1261	TMPO Lamina-associated polypeptide 2, isoform alpha	IP100216230	75,475.80	61	86	AAAAGR GPPDFSSDEEREPTVPLGSG	K	S	2,570.21
1262	SSB Lupus La protein	IP100009032,IP100916802	46,821.00	61	74	LTTDFNVIVEALSK	R	S	1,549.85
1263	SNCA Isoform 1 of Alpha-synuclein	IP100024107,IP100218467	14,441.30	61	80	EQVTNVGGAVVTGVTAVAQK	K	T	1,928.04
1264	DNM1L Isoform 5 of Dynamin-1-like protein	IP100037283,IP100146935,IP100235412,IP100473085,IP100555883,IP100871742	79,093.20	61	77	RPLILQLVHVSQEDKRK	R	T	2,059.21
1265	VPS29 Isoform 1 of Vacuolar protein sorting-associated protein 29	IP100170796,IP100184284,IP100798102	20,488.10	61	73	GDFDENLNYPEQK	R	V	1,568.69
1266	VPS29 Isoform 1 of Vacuolar protein sorting-associated protein 29	IP100170796,IP100184284,IP100798102	20,488.10	61	73	GDFDENLNYPEQK	R	V	1,568.69
1267	HSPD1 60 kDa heat shock protein, mitochondrial	IP100784154	61,037.70	61	72	TVIIQSWGSPK	R	V	1,344.72
1268	TTL3;ARPC4 Actin-related protein 2/3 complex subunit 4	IP100554811,IP100790262	19,649.40	61	71	VLIQSGINSVR	K	V	1,186.68
1269	DNAJC12 Isoform a of DnaJ homolog subfamily C member 12	IP100029149,IP100220169	23,397.30	62	72	AKEILTNEESR	K	A	1,289.67

1270	MAT2A S-adenosylmethionine synthetase isoform type-2	IPI00010157	43,642.80	62	74	TGMILLAGEITSR	K	A	1,377.74
1271	RPS14 40S ribosomal protein S14	IPI00026271	16,254.90	62	84	VKADRDESSPYAAMLAQDV AQR	K	C	2,508.21
1272	DNAJA1 DnaJ homolog subfamily A member 1	IPI00012535	44,850.60	62	73	ELYDKGGEQAIK	R	E	1,350.69
1273	YWHAE 14-3-3 protein epsilon	IPI00000816	29,157.00	62	69	IISSIEQK	R	E	917.5303
1274	PSAT1 cDNA FLJ56437, highly similar to Phosphoserine aminotransferase	IPI00001734	45,338.10	62	72	LPHSVLLEIQK	K	E	1,276.76
1275	RAB1A Isoform 1 of Ras-related protein Rab-1A	IPI00005719,IPI00873902	22,660.40	62	72	LQIWDTAGQER	K	F	1,316.66
1276	YWHAE 14-3-3 protein epsilon	IPI00000816	29,157.00	62	73	IISSIEQKEENK	R	G	1,417.75
1277	SAP18 Sin3A-associated protein, 18kDa	IPI00011698	19,508.80	62	67	MDEFSSR	R	G	784.3294
1278	UBE2S Ubiquitin-conjugating enzyme E2 S	IPI00217949	23,828.40	62	76	MKLLLGKDFPASPPK	R	G	1,657.94
1279	TSEN34 27 kDa protein	IPI00657943,IPI00658061,IPI00894217	27,261.80	62	80	LLAEIGAVTLVSAPRPDSR	R	H	1,965.11
1280	HSPB11 Heat shock protein beta-11	IPI00098827,IPI00333618	16,279.20	62	73	LVIQSYFVQTLK	R	I	1,438.83
1281	RPLP2 60S acidic ribosomal protein P2	IPI00008529	11,647.40	62	94	LASVPAGGAVAVSAAPGSAAP AAGSAPAAAEK HPNIVSLQDVLMDQDSR	K K R	K	2,774.43
1282	CDC2 Putative uncharacterized protein DKFZp686L20222	IPI00026689	34,762.10	62	77	HPNIVSLQDVLMDQDSR	R	L	1,867.93
1283	HSPA5 HSPA5 protein	IPI00003362	72,405.60	62	75	ITPSYVAFTPEGER	R	L	1,566.78
1284	SAE1 SUMO-activating enzyme subunit 1	IPI00033130,IPI00640965,IPI00647006	38,432.10	62	83	GLTMLDHEQVTPEDPGAQFLI R	K	T	2,483.22
1285	SAE1 SUMO-activating enzyme subunit 1	IPI00033130,IPI00640965,IPI00647006	38,432.10	62	83	GLTMLDHEQVTPEDPGAQFLI R	K	T	2,483.22
1286	UBE2K Isoform 1 of Ubiquitin-conjugating enzyme E2 K	IPI00021370,IPI00910176	22,389.10	62	72	IPETYPFNPPK	K	V	1,302.67
1287	RAB11B Ras-related protein Rab-11B	IPI00020436	24,471.00	62	72	AQIWDTAGQER	K	Y	1,274.61
1288	LMNA Isoform A of Lamin-A/C	IPI00021405	74,122.60	63	72	ITESEEVVSR	R	E	1,148.58
1289	CCT8 T-complex protein 1 subunit theta	IPI00784090	59,603.00	63	74	LFVTNDAATILR	K	E	1,333.75
1290	GATAD2A Isoform 1 of Transcriptional repressor p66-alpha	IPI00410330,IPI00444526,IPI00478128	68,044.80	63	73	ATEATAMAMGR	R	G	1,141.50
1291	PEBP1 Phosphatidylethanolamine-binding protein 1	IPI00219446	21,038.90	63	76	LYTLVLTPDAPSR	K	K	1,560.83
1292	MORF4L2 Mortality factor 4-like protein 2	IPI00014174	32,290.70	63	73	SAENPPSGSVR	R	K	1,100.53
1293	PSMA1 Isoform Short of Proteasome subunit alpha type-1	IPI00016832,IPI00472442	29,538.00	63	82	ILHVDNHIGISIAGLTADAR	K	L	2,086.14
1294	TAF9B;LOC728198 Transcription initiation factor TFIID subunit 9B	IPI00642105	27,604.50	63	72	KPNVDADDVR	K	L	1,128.56
1295	PDIA3 Protein disulfide-isomerase A3	IPI00025252	56,766.60	63	73	LAPEYEAATR	R	L	1,191.60
1296	MARCH5 E3 ubiquitin-protein ligase MARCH5	IPI00414168	31,213.80	63	78	VACPQCNAEYLIVFPK	R	L	1,908.93
1297	CDKN2A Cyclin-dependent kinase inhibitor 2A, isoform 4	IPI00478390	17,987.80	63	70	VFVHPIPR	R	L	966.5883
1298	PSMB2 Proteasome subunit beta type-2	IPI00028006	22,819.50	63	68	NVQLYK	K	M	764.4301
1299	ERLIN1 ER lipid raft associated 1	IPI00007940	39,154.00	63	74	SVQTTLQTDEVK	R	N	1,348.70
1300	TUBB Tubulin beta chain	IPI00011654	49,652.60	63	77	AILVDLEPGTMDSVR	R	S	1,631.83
1301	TUBB Tubulin beta chain	IPI00011654	49,652.60	63	77	AILVDLEPGTMDSVR	R	S	1,631.83
1302	TUBB Tubulin beta chain	IPI00011654	49,652.60	63	77	AILVDLEPGTMDSVR	R	S	1,631.83
1303	TUBB Tubulin beta chain	IPI00011654	49,652.60	63	77	AILVDLEPGTMDSVR	R	S	1,615.84
1304	TUBB Tubulin beta chain	IPI00011654	49,652.60	63	77	AILVDLEPGTMDSVR	R	S	1,615.84
1305	TUBB2A Tubulin beta-2A chain	IPI00013475,IPI00031370	49,889.10	63	77	AILVDLEPGTMDSVR	R	S	1,615.84
1306	TUBB2A Tubulin beta-2A chain	IPI00013475,IPI00031370	49,889.10	63	77	AILVDLEPGTMDSVR	R	S	1,615.84
1307	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	63	77	AVLVDLEPGTMDSVR	R	S	1,617.82
1308	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	63	77	AVLVDLEPGTMDSVR	R	S	1,617.82
1309	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	63	77	AVLVDLEPGTMDSVR	R	S	1,601.82
1310	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	63	77	AVLVDLEPGTMDSVR	R	S	1,617.82
1311	WDR82 WD repeat-containing protein 82	IPI00152695	35,062.40	63	70	KYGVDLIR	K	Y	963.5623
1312	NECAP2 Isoform 1 of Adaptin ear-binding coat-associated protein 2	IPI00018188,IPI00073436,IPI00386318	28,321.00	63	89	TSGELFAQAPVDQFPGTAVES VTDSSR	R	Y	2,796.33

1313	YRDC YrdC domain-containing protein, mitochondrial	IP100384180	29,310.30	64	71	AGWTEALR	R	A	903.4683
1314	APEX1 DNA-(apurinic or apyrimidinic site) lyase	IP100215911	35,537.70	64	73	ICSWNVVDGLR	K	A	1,219.59
1315	ENSA Isoform 2 of Alpha-endosulfine	IP100220797,IP100383552,IP100410177,IP100410178,IP100410179,IP100410180,IP100410181,IP100470835,IP100644717,IP100872471	12,958.10	64	74	YFDSGDYDMAK	K	A	1,326.53
1316	RPS14 40S ribosomal protein S14	IP100026271	16,254.90	64	84	ADREDESSPYAAMLAQDVAQ	K	C	2,281.05
1317	PARK7 Protein DJ-1	IP100298547	19,873.10	64	89	EGPYDVVVLPGGNLGAQNLS	K	E	2,584.33
1318	RAB6A Isoform 1 of Ras-related protein Rab-6A	IP100023526,IP100217943	23,575.30	64	74	LQLWDTAGQER	R	F	1,316.66
1319	SLC25A5 ADP/ATP translocase 2	IP100007188	32,878.50	64	72	EQGVLSFWR	K	G	1,121.57
1320	SLC25A6 ADP/ATP translocase 3	IP100291467	32,849.10	64	72	EQGVLSFWR	K	G	1,121.57
1321	UBE2S Ubiquitin-conjugating enzyme E2 S	IP100217949	23,828.40	64	76	LLLGKDFPASPPK	K	G	1,382.80
1322	C2orf68 Isoform 1 of UPF0561 protein C2orf68	IP100419111,IP100874184	18,732.70	64	73	KPDLQVYVLP	R	H	1,228.71
1323	DHX9 ATP-dependent RNA helicase A	IP100844578	140,943.50	64	71	DFVNYLVR	R	I	1,025.54
1324	DHX9 ATP-dependent RNA helicase A	IP100844578	140,943.50	64	71	DFVNYLVR	R	I	1,025.54
1325	DHX9 ATP-dependent RNA helicase A	IP100844578	140,943.50	64	71	DFVNYLVR	R	I	1,025.54
1326	HIST1H1C Histone H1.2	IP100217465	21,347.80	64	79	KALAAAGYDVEKNNSR	K	I	1,706.88
1327	HIST1H1C Histone H1.2	IP100217465	21,347.80	64	79	KALAAAGYDVEKNNSR	K	I	1,706.88
1328	UBE2S Ubiquitin-conjugating enzyme E2 S	IP100217949	23,828.40	64	82	LLLGKDFPASPPKGYFLTK	K	I	2,092.18
1329	EZR Ezrin	IP100746388,IP100843975,IP100872684	69,265.40	64	70	VSAQEV	K	K	788.426
1330	UBB;RPS27A;UBC ubiquitin and ribosomal protein S27a precursor	IP100179330,IP100456429,IP100719280,IP100743241,IP100743650,IP100744274,IP100784990,IP100789107,IP100789823,IP100790633,IP100792712,IP100793330,IP100793729,IP100793810,IP100794211,IP100794925,IP100795527,IP100796007,IP100796600,IP100797400,IP100798127,IP100798155	17,947.60	64	72	ESTLHLVLR	K	L	1,067.62
1331	UBB;RPS27A;UBC ubiquitin and ribosomal protein S27a precursor	IP100179330,IP100456429,IP100719280,IP100743241,IP100743650,IP100744274,IP100784990,IP100789107,IP100789823,IP100790633,IP100792712,IP100793330,IP100793729,IP100793810,IP100794211,IP100794925,IP100795527,IP100796007,IP100796600,IP100797400,IP100798127,IP100798155	17,947.60	64	72	ESTLHLVLR	K	L	1,067.62
1332	UBB;RPS27A;UBC ubiquitin and ribosomal protein S27a precursor	IP100179330,IP100456429,IP100719280,IP100743241,IP100743650,IP100744274,IP100784990,IP100789107,IP100789823,IP100790633,IP100792712,IP100793330,IP100793729,IP100793810,IP100794211,IP100794925,IP100795527,IP100796007,IP100796600,IP100797400,IP100798127,IP100798155	17,947.60	64	72	ESTLHLVLR	K	L	1,067.62
1333	UBB;RPS27A;UBC ubiquitin and ribosomal protein S27a precursor	IP100179330,IP100456429,IP100719280,IP100743241,IP100743650,IP100744274,IP100784990,IP100789107,IP100789823,IP100790633,IP100792712,IP100793330,IP100793729,IP100793810,IP100794211,IP100794925,IP100795527,IP100796007,IP100796600,IP100797400,IP100798127,IP100798155	17,947.60	64	72	ESTLHLVLR	K	L	1,067.62
1334	UBB;RPS27A;UBC ubiquitin and ribosomal protein S27a precursor	IP100179330,IP100456429,IP100719280,IP100743241,IP100743650,IP100744274,IP100784990,IP100789107,IP100789823,IP100790633,IP100792712,IP100793330,IP100793729,IP100793810,IP100794211,IP100794925,IP100795527,IP100796007,IP100796600,IP100797400,IP100798127,IP100798155	17,947.60	64	72	ESTLHLVLR	K	L	1,067.62
1335	UBB;RPS27A;UBC ubiquitin and ribosomal protein S27a precursor	IP100179330,IP100456429,IP100719280,IP100743241,IP100743650,IP100744274,IP100784990,IP100789107,IP100789823,IP100790633,IP100792712,IP100793330,IP100793729,IP100793810,IP100794211,IP100794925,IP100795527,IP100796007,IP100796600,IP100797400,IP100798127,IP100798155	17,947.60	64	72	ESTLHLVLR	K	L	1,067.62
1336	NDUFA4 NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 4	IP100011770	9,352.40	64	73	FYSVNVVDYSK	K	L	1,221.58
1337	RPSA 33 kDa protein	IP100413108,IP100553164,IP100793137,IP100847766	33,295.50	64	80	AIVAIENPADVSVISSR	R	N	1,740.95
1338	HIST1H1C Histone H1.2	IP100217465	21,347.80	64	75	KALAAAGYDVEK	K	N	1,235.66
1339	RPL21;LOC729402 60S ribosomal protein L21	IP100247583,IP100887074,IP100888913	18,547.00	64	78	VYNVVQHAVGIVVVK	R	Q	1,640.91
1340	TUBG1 Tubulin gamma-1 chain	IP100295081,IP100299830	51,153.20	64	72	AVLLDLEPR	R	V	1,025.60
1341	SEC11A Signal peptidase complex catalytic subunit SEC11A	IP100104128,IP100873253,IP100873608	20,607.80	64	72	GDLLFLTNR	R	V	1,048.58
1342	TCP1 T-complex protein 1 subunit alpha	IP100290566	60,327.20	64	73	LLEVEHPAAK	K	V	1,106.62
1343	VDAC3 Isoform 1 of Voltage-dependent anion-selective channel protein 3	IP100031804,IP100294779	30,641.90	64	74	VCNYGLTFTQK	K	W	1,330.65
1344	WDR82 WD repeat-containing protein 82	IP100152695	35,062.40	64	70	YGVDLIR	K	Y	835.4673
1345	CHCHD3 Coiled-coil-helix-coiled-coil-helix domain-containing protein 3, mitochondrial	IP100015833	26,134.50	65	77	RVAEELALEQAKK	R	E	1,484.84
1346	SNRPB Isoform SM-B' of Small nuclear ribonucleoprotein-associated proteins B and B'	IP100027285,IP100220360,IP100329512,IP100395674,IP100785142,IP100844420,IP100877103	24,592.60	65	73	RVLGLVLLR	K	G	1,038.71

1347	SFRS6 Isoform SRP55-1 of Splicing factor, arginine/serine-rich 6	IPI00012345,IPI00215879,IPI00556297	39,570.40	65	71	VIVEHAR	R	G	823.4784
1348	HIST1H1C Histone H1.2	IPI00217465	21,347.80	65	79	ALAAAGYDVEKNNSR	K	I	1,578.79
1349	HIST1H1C Histone H1.2	IPI00217465	21,347.80	65	79	ALAAAGYDVEKNNSR	K	I	1,578.79
1350	PCNA Proliferating cell nuclear antigen	IPI00021700	28,751.30	65	77	NLAMGVNLTSMMSK	R	I	1,381.68
1351	G3BP1 Ras GTPase-activating protein-binding protein 1	IPI00012442	52,144.80	65	76	VMSQNFNTCHTK	K	I	1,466.65
1352	HEBP1 Heme-binding protein 1	IPI00148063	21,079.40	65	97	YAGGTNDKIGMGMTVPISFA VFPNEDGSLQKK	K	L	3,461.67
1353	HIST1H1C Histone H1.2	IPI00217465	21,347.80	65	75	ALAAAGYDVEK	K	N	1,107.57
1354	HIST1H1C Histone H1.2	IPI00217465	21,347.80	65	75	ALAAAGYDVEK	K	N	1,107.57
1355	HIST1H1C Histone H1.2	IPI00217465	21,347.80	65	75	ALAAAGYDVEK	K	N	1,107.57
1356	ATIC Bifunctional purine biosynthesis protein PURH	IPI00289499	64,598.50	65	79	VKTLHPAVHAGILAR	R	N	1,582.95
1357	DRG2 Developmentally-regulated GTP-binding protein 2	IPI00022697,IPI00794194	40,729.80	65	75	VALIGFPSVGK	R	S	1,087.65
1358	TUBA1A Tubulin alpha-1A chain	IPI00180675	50,117.70	65	79	AVFVDLEPTVIDEVR	R	T	1,701.91
1359	TUBA1A Tubulin alpha-1A chain	IPI00180675	50,117.70	65	79	AVFVDLEPTVIDEVR	R	T	1,701.91
1360	TUBA1A Tubulin alpha-1A chain	IPI00180675	50,117.70	65	79	AVFVDLEPTVIDEVR	R	T	1,701.91
1361	TUBA1A Tubulin alpha-1A chain	IPI00180675	50,117.70	65	79	AVFVDLEPTVIDEVR	R	T	1,701.91
1362	TUBA1A Tubulin alpha-1A chain	IPI00180675	50,117.70	65	79	AVFVDLEPTVIDEVR	R	T	1,701.91
1363	TUBA1A Tubulin alpha-1A chain	IPI00180675	50,117.70	65	79	AVFVDLEPTVIDEVR	R	T	1,701.91
1364	TUBA1C Tubulin alpha-1C chain	IPI00218343	49,877.40	65	79	AVFVDLEPTVIDEVR	R	T	1,701.91
1365	TUBA1B Tubulin alpha-1B chain	IPI00387144,IPI00792677	50,133.70	65	79	AVFVDLEPTVIDEVR	R	T	1,701.91
1366	TUBA1B Tubulin alpha-1B chain	IPI00387144,IPI00792677	50,133.70	65	79	AVFVDLEPTVIDEVR	R	T	1,701.91
1367	RUVBL1 Isoform 1 of RuvB-like 1	IPI00021187	50,211.40	65	76	AVLLAGPPGTGK	R	T	1,080.64
1368	PSMD9 Isoform p27-L of 26S proteasome non-ATPase regulatory subunit 9	IPI00010860,IPI00216220,IPI00791380	24,635.20	65	73	SDVDLYQVR	R	T	1,094.55
1369	UCHL1 Ubiquitin carboxyl-terminal hydrolase isozyme L1	IPI00018352	24,806.30	65	78	KQIEELKGQEVSPK	K	V	1,612.89
1370	B3GNT1 N-acetylglucosaminide beta-1,3-N-acetylglucosaminyltransferase	IPI00009997	47,101.40	65	80	TALASGGVLDASGDYR	R	V	1,552.76
1371	ADRM1 Proteasomal ubiquitin receptor ADRM1	IPI00033030,IPI00470921	42,136.20	65	84	TSGNVEDDLIIFPDDCEFKR	R	V	2,370.09
1372	TARS Threonyl-tRNA synthetase, cytoplasmic	IPI00329633,IPI00908949	83,419.80	66	75	AEHDSILAEK	K	A	1,112.56
1373	TARS Threonyl-tRNA synthetase, cytoplasmic	IPI00329633,IPI00908949	83,419.80	66	78	AEHDSILAEKAEK	K	D	1,440.73
1374	CHCHD3 Coiled-coil-helix-coiled-coil-helix domain-containing protein 3, mitochondrial	IPI00015833	26,134.50	66	77	VAEELALEQAKK	R	E	1,328.74
1375	TBPL1 TATA box-binding protein-like protein 1	IPI00032911,IPI00640447,IPI00641052,IPI00641561	20,868.90	66	78	IICTGATSEEEAK	K	F	1,408.66
1376	RPS3A 40S ribosomal protein S3a	IPI00419880,IPI00472119	29,927.30	66	83	VFEVSLADLQNDDEVAFRK	R	F	2,080.07
1377	CNBP Isoform 1 of Cellular nucleic acid-binding protein	IPI00430812,IPI00430813,IPI00430814	19,444.10	66	79	DCDLQEDACYNCGR	K	G	1,775.64
1378	SNRNP Isoform SM-B' of Small nuclear ribonucleoprotein-associated proteins B and B'	IPI00027285,IPI00220360,IPI00329512,IPI00395674,IPI00785142,IPI00844420,IPI00877103	24,592.60	66	73	VLGLVLLR	R	G	882.6136
1379	SNRNP Isoform SM-B' of Small nuclear ribonucleoprotein-associated proteins B and B'	IPI00027285,IPI00220360,IPI00329512,IPI00395674,IPI00785142,IPI00844420,IPI00877103	24,592.60	66	73	VLGLVLLR	R	G	882.6136
1380	RRM2 Ribonucleoside-diphosphate reductase M2 subunit	IPI00011118	51,076.50	66	83	VPLAPITDPQQLQLSPLK	R	G	1,958.13
1381	ANP32B Isoform 1 of Acidic leucine-rich nuclear phosphoprotein 32 family member B	IPI00007423,IPI00759824	28,770.60	66	75	LKKLELSENR	K	I	1,229.72
1382	CHCHD3 Coiled-coil-helix-coiled-coil-helix domain-containing protein 3, mitochondrial	IPI00015833	26,134.50	66	76	VAEELALEQAK	R	K	1,200.65
1383	NUDT4;NUDT4P1 Isoform 2 of Diphosphoinositol polyphosphate phosphohydrolase 2	IPI00021408,IPI00607685	20,416.00	66	76	EVYEEAGVKGK	R	L	1,208.62
1384	EIF3I Eukaryotic translation initiation factor 3 subunit I	IPI00012795	36,484.00	66	77	HVLTGSADNSCR	K	L	1,316.60
1385	TES Isoform 1 of Testin	IPI00024097,IPI00216425,IPI00873055	47,977.60	66	78	LFEDTKYTTLIAK	K	L	1,542.84
1386	WDR1 Isoform 1 of WD repeat-containing protein 1	IPI00746165,IPI00873622	66,175.20	66	81	YAPSGFYIASGDVSGK	K	L	1,618.77
1387	BAX Isoform Epsilon of Apoptosis regulator BAX	IPI00071059,IPI00443773,IPI00444945,IPI00845474	18,111.40	66	78	IGDELDSNMELQR	R	M	1,535.70

1388	PITPNB Isoform 1 of Phosphatidylinositol transfer protein beta isoform	IPI00334907	31,522.30	66	73	SKVPAFVR	K	M	903.541
1389	PITPNB Isoform 1 of Phosphatidylinositol transfer protein beta isoform	IPI00334907	31,522.30	66	73	SKVPAFVR	K	M	903.541
1390	RBM3 Putative RNA-binding protein 3	IPI00024320	17,152.60	66	75	AMNGESLDGR	R	Q	1,049.47
1391	SELS Selenoprotein S	IPI00020468,IPI00793181,IPI00916735	21,098.40	66	77	AAAAVEPDVVVK	R	R	1,168.66
1392	UTP18 U3 small nucleolar RNA-associated protein 18 homolog	IPI00000733	64,046.80	66	87	KPPARPSAAAAAIAVAAAEER	R	R	2,147.16
1393	RABGGTB Geranylgeranyl transferase type-2 subunit beta	IPI00295849	36,907.20	66	76	MNREEILAFIK	R	S	1,379.74
1394	SRPRB Signal recognition particle receptor subunit beta	IPI00295098	29,685.10	66	77	AVLLVGLCDSGK	R	T	1,231.67
1395	CHAC2 Cation transport regulator-like protein 2	IPI00103047	20,857.10	67	76	LPVGKEEEVK	R	A	1,127.63
1396	C12orf44 UPF0453 protein C12orf44	IPI00305296	24,984.30	67	74	VSSEELDR	R	A	934.4476
1397	GAPDH Glycerinaldehyde-3-phosphate dehydrogenase	IPI00219018	36,035.30	67	80	LVINGNPITIFQER	K	D	1,613.90
1398	HNRNPA2B1 43 kDa protein	IPI00874030	43,234.30	67	76	AEATESAMER	R	E	1,110.47
1399	SRP14 Signal recognition particle 14 kDa protein	IPI00293434	14,552.60	67	74	ISTVVSSK	K	E	820.4774
1400	TBCB Tubulin folding cofactor B	IPI00293126	27,307.50	67	84	LDQEDALLGSYPVDDGCR	K	I	2,022.91
1401	GAPDH Glycerinaldehyde-3-phosphate dehydrogenase	IPI00219018	36,035.30	67	84	LVINGNPITIFQERDPSK	K	I	2,041.11
1402	RPS25 40S ribosomal protein S25	IPI00012750	13,725.00	67	76	LITPAVVSER	K	L	1,084.64
1403	RPS25 40S ribosomal protein S25	IPI00012750	13,725.00	67	76	LITPAVVSER	K	L	1,084.64
1404	RPS25 40S ribosomal protein S25	IPI00012750	13,725.00	67	76	LITPAVVSER	K	L	1,084.64
1405	PKM2 Isoform M1 of Pyruvate kinase isozymes M1/M2	IPI00220644,IPI00479186	58,044.60	67	73	SGMNVAR	K	L	734.3613
1406	DRG1 Developmentally-regulated GTP-binding protein 1	IPI00031836	40,525.80	67	77	IGFVGFPVSGK	R	S	1,107.62
1407	GPI Glucose-6-phosphate isomerase	IPI00027497	63,130.40	67	73	MLVDLAK	R	S	805.449
1408	MTHFD1 C-1-tetrahydrofolate synthase, cytoplasmic	IPI00218342,IPI00794900	101,543.50	67	74	ATHIKLPR	K	T	935.5786
1409	SSBP1 Single-stranded DNA-binding protein, mitochondrial	IPI00029744	17,241.70	67	81	SGDSEVYQLGDVVSQK	R	T	1,611.75
1410	PDZD11 Isoform 1 of PDZ domain-containing protein 11	IPI00550841,IPI00641523	16,113.50	67	76	ASQLGIFISK	K	V	1,063.61
1411	GRHPR Glyoxylate reductase/hydroxypyruvate reductase	IPI00037448	35,651.10	67	76	ILDAAGANLK	R	V	985.5678
1412	UBL4A Ubiquitin-like protein 4A	IPI00005658	17,758.90	67	76	LNLVVKPLEK	K	V	1,152.74
1413	NP cDNA FLJ25678 fis, clone TST04067, highly similar to PURINE NUCLEOSIDE PHOSPHORYLASE	IPI00017672,IPI00871140	32,533.50	68	76	LVFGFLNGR	R	A	1,022.58
1414	RAD23B UV excision repair protein RAD23 homolog B	IPI00008223,IPI00642549	43,153.10	68	78	NFVVMVTKPK	K	A	1,261.73
1415	RPL12 Isoform 1 of 60S ribosomal protein L12	IPI00024933	17,801.10	68	83	QAQIEVPSASALIHK	R	A	1,666.97
1416	RPL12 Isoform 1 of 60S ribosomal protein L12	IPI00024933	17,801.10	68	83	QAQIEVPSASALIHK	R	A	1,666.97
1417	ANP32A Acidic leucine-rich nuclear phosphoprotein 32 family member A	IPI00025849	28,568.10	68	86	KLELSDNRVSGGLEVLAEK	K	C	2,057.12
1418	GNPDA1 Glucosamine-6-phosphate isomerase 1	IPI00009305	32,651.40	68	79	TFNMDEYVGLPR	K	D	1,457.67
1419	PABPC1 Isoform 1 of Polyadenylate-binding protein 1	IPI00008524	70,653.30	68	78	ALDTMNFVVIK	R	G	1,266.64
1420	PABPC4 Isoform 1 of Polyadenylate-binding protein 4	IPI00012726,IPI00555747,IPI00642904,IPI00642944	70,765.80	68	78	ALDTMNFVVIK	R	G	1,266.64
1421	HNRNPD Isoform 1 of Heterogeneous nuclear ribonucleoprotein D0	IPI00028888,IPI00220684	38,416.50	68	85	IDASKNEEDEGHNSNSPR	K	H	1,971.86
1422	RPS19 40S ribosomal protein S19	IPI00215780	16,042.50	68	77	GGAGVGSMTK	R	I	864.4245
1423	ANP32B Isoform 1 of Acidic leucine-rich nuclear phosphoprotein 32 family member B	IPI00007423,IPI00759824	28,770.60	68	75	KLELSENR	K	I	988.5422
1424	ARCN1 Putative uncharacterized protein DKFZp686M09245	IPI00298520,IPI00514053	61,581.40	68	79	TRIEGLLAAPFK	R	L	1,315.77

1425	EIF5A Isoform 1 of Eukaryotic translation initiation factor 5A-1	IPI00411704,IPI00855924	16,814.70	68	86	KYEDICPSTHNMDVPNIKR	K	N	2,317.11
1426	DDI2 Isoform 3 of Protein DDI1 homolog 2	IPI00031618,IPI00796836,IPI00845258	46,553.90	68	75	DGDVVILR	K	Q	886.4994
1427	HN1L Isoform 1 of Hematological and neurological expressed 1-like protein	IPI00027397,IPI00909195	20,045.60	68	81	GSGIFDESTPVQTR	K	Q	1,493.72
1428	HN1L Isoform 1 of Hematological and neurological expressed 1-like protein	IPI00027397,IPI00909195	20,045.60	68	81	GSGIFDESTPVQTR	K	Q	1,493.72
1429	EIF5A Isoform 1 of Eukaryotic translation initiation factor 5A-1	IPI00411704,IPI00855924	16,814.70	68	85	KYEDICPSTHNMDVPNIK	K	R	2,161.01
1430	RPL22 60S ribosomal protein L22	IPI00219153,IPI00878392	14,769.30	68	80	SKITVTSEVPFSK	K	R	1,422.78
1431	CCT7 T-complex protein 1 subunit eta	IPI00018465	59,349.80	68	77	LLDVVHPAAK	K	T	1,062.63
1432	EEF1G cDNA FLJ56389, highly similar to Elongation factor 1-gamma	IPI00000875,IPI00747497	56,132.90	68	80	ALIAAQYSGAQVR	K	V	1,347.74
1433	EEF1G cDNA FLJ56389, highly similar to Elongation factor 1-gamma	IPI00000875,IPI00747497	56,132.90	68	80	ALIAAQYSGAQVR	K	V	1,347.74
1434	LAP3 Isoform 1 of Cytosol aminopeptidase	IPI00419237,IPI00789806	56,149.70	69	79	ETLNISGPPLK	R	A	1,168.66
1435	MED18;LOC100133916 cDNA FLJ51219, highly similar to Homo sapiens mediator of RNA polymerase II transcription, subunit 18 homolog (MFD18) mRNA	IPI00305986	24,435.20	69	78	GQQASPFVLR	K	A	1,102.60
1436	MRFAP1 MORF4 family-associated protein 1	IPI00020915	14,631.80	69	92	TQVEASEESALNHLQNPDA AEGR	K	A	2,523.17
1437	SUB1 Activated RNA polymerase II transcriptional coactivator p15	IPI00221222	14,377.90	69	75	MRYVSVR	K	D	926.4876
1438	FSCN1 Fascin	IPI00163187,IPI00747810	54,512.30	69	82	YLAADKDGNTVCER	R	E	1,611.74
1439	GDI1 Rab GDP dissociation inhibitor alpha	IPI00010154,IPI00910113	50,566.10	69	79	GRDWNVDLIPK	R	F	1,312.70
1440	KPNA2;LOC728860 Importin subunit alpha-2	IPI00002214,IPI00789457	57,844.50	69	83	NNQGTVNWSVDDIVK	R	G	1,688.82
1441	RPS24 Isoform 1 of 40S ribosomal protein S24	IPI00029750,IPI00847986,IPI00903204,IPI00915363,IPI00915463	15,405.80	69	83	TTGFGMIYDSL DYAK	K	K	1,697.77
1442	AASDHPPT L-aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase	IPI00250297	35,759.10	69	83	KLVAEKLNIPWNHIR	R	L	1,831.07
1443	GNB2 Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-2	IPI00003348	37,313.80	69	78	LLVSASQDGK	R	L	1,017.56
1444	GNB1 Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1	IPI00026268	37,359.50	69	78	LLVSASQDGK	R	L	1,017.56
1445	ETF1 Eukaryotic peptide chain release factor subunit 1	IPI00429191	49,014.60	69	81	LSVLGAITSVQQR	R	L	1,371.80
1446	POMP Proteasome maturation protein	IPI00006377	15,771.70	69	78	NIQGLFAPLK	R	L	1,100.65
1447	QK1 Isoform 3 of Protein quaking	IPI00736672,IPI00759828	36,908.70	69	85	SAELPDAVGPIVQLQEK	R	L	1,793.96
1448	RPS24 Isoform 1 of 40S ribosomal protein S24	IPI00029750,IPI00847986,IPI00903204,IPI00915363,IPI00915463	15,405.80	69	84	TTGFGMIYDSL DYAKK	K	N	1,825.87
1449	HIST1H4H;HIST2H4A;HIST4H4;HIST1H4F;HIST1H4D;HIST1H4K;HIST1H4C;HIST1H4J;HIST1H4A;HIST1H4I;HIST1H4B;HIST2H4B;HIST1H4E;HIST1H4I Histone H4	IPI00453473	11,349.70	69	78	DAVYTEHAK	R	R	1,134.54
1450	HIST1H4H;HIST2H4A;HIST4H4;HIST1H4F;HIST1H4D;HIST1H4K;HIST1H4C;HIST1H4J;HIST1H4A;HIST1H4I;HIST1H4B;HIST2H4B;HIST1H4E;HIST1H4I Histone H4	IPI00453473	11,349.70	69	78	DAVYTEHAK	R	R	1,134.54
1451	HIST1H4H;HIST2H4A;HIST4H4;HIST1H4F;HIST1H4D;HIST1H4K;HIST1H4C;HIST1H4J;HIST1H4A;HIST1H4I;HIST1H4B;HIST2H4B;HIST1H4E;HIST1H4I Histone H4	IPI00453473	11,349.70	69	78	DAVYTEHAK	R	R	1,134.54
1452	PSMB2 Proteasome subunit beta type-2	IPI00028006	22,819.50	69	85	MRNGYELSPTAAANFTR	K	R	1,914.91
1453	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IPI00290770,IPI00553185	60,446.30	69	78	EIQVQHPAAK	R	S	1,120.61
1454	EIF4A1 Eukaryotic initiation factor 4A-I	IPI00025491,IPI00871852	46,137.30	69	82	GYDVIAQAQSGTGK	K	T	1,394.69
1455	TRIP13 Isoform 1 of Thyroid receptor-interacting protein 13	IPI00003505	48,534.10	69	81	NVQSVSIIDTELK	R	V	1,445.78
1456	KIFC1 Kinesin-like protein KIFC1	IPI00306400	73,730.10	69	86	VPSLTTVPQTQGGTTAQK	R	V	1,885.00
1457	RPL30 60S ribosomal protein L30	IPI00219156,IPI00872940	12,766.70	69	87	TGVHHYSGNNIELGTACGK	K	Y	2,014.94
1458	RAB7A Ras-related protein Rab-7a	IPI00016342	23,472.00	70	79	FQSLGVAFYR	R	G	1,187.62

1459	UBA1 Ubiquitin-like modifier-activating enzyme 1	IPI00645078	117,832.30	70	81	LQTSSVLVSGLR	R	G	1,259.73
1460	HNRNPK Isoform 1 of Heterogeneous nuclear ribonucleoprotein K	IPI00216049,IPI00216746,IPI00807545,IPI00910458	50,960.50	70	86	TDYNASVSVDPSSGPER	R	I	1,780.80
1461	CGGBP1 CGG triplet repeat-binding protein 1	IPI00295585	18,802.20	70	80	RKAEFEEQNVR	K	K	1,405.72
1462	SNRPD3 Small nuclear ribonucleoprotein Sm D3	IPI00017964,IPI00878876,IPI00879750	13,898.60	70	78	FLILPDMLK	R	N	1,089.64
1463	RPL22 60S ribosomal protein L22	IPI00219153,IPI00878392	14,769.30	70	80	ITVTSEVPFSK	K	R	1,207.66
1464	HN1 Isoform 1 of Hematological and neurological expressed 1 protein	IPI00007764,IPI00384857,IPI00917313	15,996.60	70	84	SSGGREDLESSGLQR	K	R	1,577.75
1465	PDLIM1 PDZ and LIM domain protein 1	IPI00010414	36,053.30	70	83	IKGCTDNLTLTVAR	R	S	1,561.84
1466	LOC284230 similar to mCG7611	IPI00176574,IPI00220344,IPI00742027,IPI00917181	12,423.10	70	78	LECVEPNCR	R	S	1,176.51
1467	PGM3 cDNA FLJ55543, highly similar to Phosphoacetylglucosamine mutase	IPI00030116,IPI00643166	62,893.50	70	77	MGLLAVLR	R	S	872.5387
1468	EIF4A2 Isoform 1 of Eukaryotic initiation factor 4A-II	IPI00328328,IPI00409717	46,385.60	70	83	GYDVIAQAQSGTGK	K	T	1,394.69
1469	RPL22 60S ribosomal protein L22	IPI00219153,IPI00878392	14,769.30	70	81	ITVTSEVPFSKR	K	Y	1,363.76
1470	CTTN Src substrate cortactin	IPI00029601	61,567.40	71	79	EKELETGPK	K	A	1,030.54
1471	PSMB3 Proteasome subunit beta type-3	IPI00028004	22,931.60	71	77	LNLYELK	R	E	892.5139
1472	PDCD6IP PDCD6IP protein	IPI00246058	96,802.50	71	81	YYDQICSIEPK	R	F	1,415.65
1473	AURKB Serine/threonine-protein kinase 12	IPI00176642,IPI00796914	39,263.50	71	85	HFTIDDFEIGRPLGK	R	G	1,744.90
1474	LSM4 U6 snRNA-associated Sm-like protein LSM4	IPI00294955	15,332.00	71	86	IPDEIIDMVKEEVAK	R	G	1,843.97
1475	C1orf122 hypothetical protein LOC127687	IPI00829914	11,452.80	71	96	RRPEPAGGGNVSAKPGAPPQ PAVSAR	R R	G I	2,524.35 1,554.75
1476	WDR82 WD repeat-containing protein 82	IPI00152695	35,062.40	71	84	YTHAANTVVYSSNK	R	I	1,554.75
1477	CGGBP1 CGG triplet repeat-binding protein 1	IPI00295585	18,802.20	71	80	KAEFEEQNVR	R	K	1,249.62
1478	PCBP2 poly(rC) binding protein 2 isoform b	IPI00012066,IPI00790627	38,204.50	71	101	AFAMIIDKLEEDISSSMTNSTA ASRPPVTLR SVEVNFTESLLR	K K K	L M Q	3,383.68 1,393.73 1,114.65
1479	PDCD10 Programmed cell death protein 10	IPI00298558	24,684.50	71	82	ASRPPVTLR	K	M	1,393.73
1480	TPD52 tumor protein D52 isoform 2	IPI00619951,IPI00619958,IPI00873344,IPI00896474	22,459.40	71	80	LGINSLQELK	K	Q	1,114.65
1481	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	71	90	VPADTEVVCAPPTAYIDFAR	K	Q	2,192.07
1482	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	71	90	VPADTEVVCAPPTAYIDFAR	K	Q	2,192.07
1483	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	71	90	VPADTEVVCAPPTAYIDFAR	K	Q	2,192.07
1484	PSMB2 Proteasome subunit beta type-2	IPI00028006	22,819.50	71	85	NGYELSPTAAANFTR	R	R	1,611.78
1485	MOSC1 Isoform 1 of MOSC domain-containing protein 1, mitochondrial	IPI00305258,IPI00828198	37,482.00	71	85	GVPVSEAECTAMGLR	K	S	1,592.74
1486	PSMA2 Proteasome subunit alpha type-2	IPI00219622	25,880.90	71	84	HIGLVYSGMGPDYR	K	V	1,580.75
1487	RPS26;LOC728937 40S ribosomal protein S26	IPI00655650,IPI00902801	12,997.50	71	82	LHYCVSCAIHSK	K	V	1,474.69
1488	WDR82 WD repeat-containing protein 82	IPI00152695	35,062.40	71	90	YTHAANTVVYSSNKIDDTIR	R	Y	2,268.13
1489	HMGN4 High mobility group nucleosome-binding domain-containing protein 4	IPI00220484	9,521.50	72	90	NRDASTLQSQAEGTDAK	K	-	1,976.96
1490	YRDC YrdC domain-containing protein, mitochondrial	IPI00384180	29,310.30	72	78	AAVAELR	R	A	729.4253
1491	DHFR Dihydrofolate reductase	IPI00030357,IPI00887771	21,435.30	72	78	INLVLSR	R	E	814.5145
1492	METTL7A Methyltransferase-like protein 7A	IPI00022300	28,301.60	72	86	LSLLEVGCGTGANFK	K	F	1,565.80
1493	RPL9 60S ribosomal protein L9	IPI00031691	21,845.70	72	82	TICSHVQNMIK	R	G	1,330.66
1494	PPIB Peptidyl-prolyl cis-trans isomerase B	IPI00646304	23,725.20	72	84	TVDNFVALATGEK	K	G	1,364.71
1495	EHD1 EH domain-containing protein 1	IPI00017184	60,611.10	72	76	TTFIR	K	H	637.3668
1496	LRRC59 Leucine-rich repeat-containing protein 59	IPI00396321	34,913.40	72	83	NKLQQLPADFGR	K	L	1,386.75
1497	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	72	81	TIAPALVSKK	K	L	1,027.65
1498	NCAPH Condensin complex subunit 2	IPI00299507	82,547.10	72	83	VFDLQFSTDSR	R	L	1,411.69
1499	BID Isoform 1 of BH3-interacting domain death agonist	IPI00413587,IPI00420084,IPI00871585	21,977.30	72	84	IEADSESEQEDIIR	R	N	1,504.71
1500	UBA3 NEDD8-activating enzyme E1 catalytic subunit	IPI00328154,IPI00375533	51,835.40	72	86	VLVIGAGGLGCELLK	K	N	1,498.87
1501	CCDC86 Coiled-coil domain-containing protein 86	IPI00012199	40,218.10	72	94	LQQGAGLESPQQPEPGAA SPQR	R R	Q Q	2,303.14

1502	GPATCH4 Isoform 1 of G patch domain-containing protein 4	IPI00829835	50,363.50	72	88	TAANLVVETGQDGVQIR	K	S	1,770.93
1503	RUVBL2 RuvB-like 2	IPI00009104	51,140.10	72	83	AVLIAGQPPTGK	R	T	1,111.65
1504	PEA15 Astrocytic phosphoprotein PEA-15	IPI00014850,IPI00552198,IPI00643342	15,023.20	72	83	RPDLLTMVVVDYR	R	T	1,493.78
1505	FKBP3 FK506-binding protein 3	IPI00024157	25,159.40	72	80	FKGTESISK	R	V	996.5361
1506	YKT6 Synaptobrevin homolog YKT6	IPI00008569	22,399.80	72	88	NDSLAVVIADNEYPSR	R	V	1,819.88
1507	KEAP1 Kelch-like ECH-associated protein 1	IPI00106502,IPI00642319	69,646.70	72	84	LSQQLCDVTLQVK	R	Y	1,531.82
1508	RBP1 retinol binding protein 1, cellular isoform a	IPI00219718	22,292.30	73	84	MLVNFNFEEYLR	K	A	1,572.74
1509	XRCC4 Isoform 1 of DNA repair protein XRCC4	IPI00007672,IPI00019678,IPI00401064	38,269.70	73	90	ALLSGAGPADVYTFNFSK	K	E	1,857.94
1510	GD12 cDNA FLJ60299, highly similar to Rab GDP dissociation inhibitor beta	IPI00031461	51,138.50	73	83	GRDWNVDLIPK	R	F	1,312.70
1511	DDX56 Probable ATP-dependent RNA helicase DDX56	IPI00302281	61,573.50	73	84	KATGPVVEQAVR	R	G	1,254.72
1512	RAD21 Double-strand-break repair protein rad21 homolog	IPI00006715	71,673.60	73	84	YLLADCNEAFIK	K	I	1,456.71
1513	CAPZB Isoform 2 of F-actin-capping protein subunit beta	IPI00642256	30,611.70	73	92	SPWSNKYDPPLEDGAMPSA R	R	L	2,218.02
1514	AK2 Isoform 1 of Adenylate kinase isoenzyme 2, mitochondrial	IPI00215901	26,461.00	73	85	LVSDEMVVELIEK	K	N	1,519.79
1515	DHRS7 Isoform 1 of Dehydrogenase/reductase SDR family member 7	IPI00006957,IPI00339238	38,281.90	73	82	LGVSLVLSAR	K	R	1,014.63
1516	C1orf123 UPF0587 protein C1orf123	IPI00016605	18,030.70	73	95	ENSIEILSSTIKPYNAEDNENF K	R	T	2,655.28
1517	CORO1C Coronin-1C_i3 protein	IPI00867509	58,930.80	73	81	NDQCYDDIR	K	V	1,198.48
1518	HNRNPM Isoform 1 of Heterogeneous nuclear ribonucleoprotein M	IPI00171903,IPI00383296	77,499.30	73	83	AFITNIPFDVK	R	W	1,264.69
1519	C4orf43 UPF0534 protein C4orf43	IPI00019962	23,847.30	73	80	DACELIER	K	Y	1,005.47
1520	SLC25A5 ADP/ATP translocase 2	IPI00007188	32,878.50	73	80	GNLANVIR	R	Y	856.4999
1521	SLC25A6 ADP/ATP translocase 3	IPI00291467	32,849.10	73	80	GNLANVIR	R	Y	856.4999
1522	GNB2L1 38 kDa protein	IPI00641950,IPI00848226	37,740.10	74	86	LTRDETNYGIPQR	K	A	1,562.79
1523	SNRNP Isoform SM-B' of Small nuclear ribonucleoprotein-associated proteins B and B'	IPI00027285,IPI00220360,IPI00329512,IPI00395674,IPI00785142,IPI00844420,IPI00877103	24,592.60	74	88	GENLVSMTEGPPPK	R	D	1,570.78
1524	HIST2H3A;HIST2H3D;HIST2H3C Histone H3.2	IPI00171611,IPI00219038,IPI00465070,IPI00909530	15,370.70	74	84	EIAQDFKTDLR	R	F	1,335.69
1525	NR2C2AP cDNA FLJ60181, highly similar to Homo sapiens TR4 orphan receptor associated protein TRA16. mRNA	IPI00329107,IPI00791711	19,380.50	74	88	RGCLEGSQGTQALHK	R	I	1,641.81
1526	HSPA4L Heat shock 70 kDa protein 4L	IPI00295485,IPI00828021	94,470.40	74	84	SFDDPIVQTER	R	I	1,306.63
1527	VPS29 Isoform 1 of Vacuolar protein sorting-associated protein 29	IPI00170796,IPI00184284,IPI00798102	20,488.10	74	81	VVTVGQFK	K	I	877.5142
1528	VPS29 Isoform 1 of Vacuolar protein sorting-associated protein 29	IPI00170796,IPI00184284,IPI00798102	20,488.10	74	81	VVTVGQFK	K	I	877.5142
1529	RPL23 60S ribosomal protein L23	IPI00010153,IPI00795408	14,847.90	74	83	KKVHPAVVIR	R	Q	1,146.75
1530	UCHL5 Isoform 2 of Ubiquitin carboxyl-terminal hydrolase isozyme L5	IPI00219512,IPI00219513,IPI00299313,IPI00549820,IPI00549849,IPI00641843,IPI00642374	36,061.70	74	81	LDTIFFAK	R	Q	954.5296
1531	RPL7A 60S ribosomal protein L7a	IPI00299573	29,978.30	74	89	LKVPPAINQFTQALDR	R	Q	1,811.02
1532	ATP5O ATP synthase subunit O, mitochondrial	IPI00007611	23,259.40	74	84	VAASVLNPPYVK	K	R	1,160.67
1533	HIST2H3A;HIST2H3D;HIST2H3C Histone H3.2	IPI00171611,IPI00219038,IPI00465070,IPI00909530	15,370.70	74	80	EIAQDFK	R	T	850.4306
1534	SNRNP Isoform SM-B' of Small nuclear ribonucleoprotein-associated proteins B and B'	IPI00027285,IPI00220360,IPI00329512,IPI00395674,IPI00785142,IPI00844420,IPI00877103	24,592.60	74	94	GENLVSMTEGPPPKDTGIAR	R	V	2,184.10
1535	PDIA3 Protein disulfide-isomerase A3	IPI00025252	56,766.60	74	82	LKGIVPLAK	R	V	938.6399
1536	HNRNPC Isoform C1 of Heterogeneous nuclear ribonucleoproteins C1/C2	IPI00216592,IPI00477313,IPI00909232	32,320.00	74	89	MIAGQVLDINLAAEPK	R	V	1,682.91
1537	ATP5A1 ATP synthase subunit alpha, mitochondrial	IPI00440493	59,734.10	74	83	VLSIGDGIAR	R	V	1,000.58
1538	GSTM3 Glutathione S-transferase Mu 3	IPI00246975	26,543.10	74	82	ITQSNAILR	K	Y	1,015.59
1539	LASP1 Isoform 1 of LIM and SH3 domain protein 1	IPI00000861,IPI00386803,IPI00883946	29,698.80	74	85	LKQQSELQSQVR	R	Y	1,443.79
1540	RPL27 60S ribosomal protein L27	IPI00219155	15,780.40	74	84	VYNYNHLMPTR	K	Y	1,423.68
1541	KIAA0101 PCNA-associated factor	IPI00014147,IPI00790491,IPI00792465	11,968.50	75	93	DSEKENQIPEEAGSSGLGK	K	A	1,974.93

1542	SRP14 Signal recognition particle 14 kDa protein	IPI00293434	14,552.60	75	88	EVNKFQMAYSNLLR	K	A	1,712.88
1543	EIF2B1 Translation initiation factor eIF-2B subunit alpha	IPI00221300	33,695.20	75	88	FISLASLEYSYDYSK	R	C	1,622.79
1544	YWHAQ 14-3-3 protein theta	IPI0018146	27,747.40	75	83	KLQLIKDYR	K	E	1,176.71
1545	WDR36 WD repeat-containing protein 36	IPI00169325	105,307.90	75	88	ALGLFSNDIPHVVR	R	F	1,537.85
1546	C16orf14 Isoform 1 of Uncharacterized protein C16orf14	IPI00042604	17,809.50	75	99	RAPSTSPSFEGTQETYVAHE ENVR	R	F	2,793.31
1547	RAB11B Ras-related protein Rab-11B	IPI00020436	24,471.00	75	82	AITSAYYR	R	G	944.4835
1548	PPP2CA Serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform	IPI00008380	35,576.50	75	89	SPDTNYLFMGDYVDR	K	G	1,808.78
1549	CACYBP Isoform 1 of Calcyclin-binding protein	IPI00395627	26,192.30	75	88	ISNYGWDQSDKFKV	K	I	1,686.81
1550	SSB Lupus La protein	IPI00009032,IPI00916802	46,821.00	75	88	SKAELMEISEDKTK	K	I	1,608.82
1551	SH3GLB1 Isoform 1 of Endophilin-B1	IPI00006558	40,780.00	75	85	IEEFVYEKLDLR	R	K	1,440.74
1552	AASDHPPPT L-aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase	IPI00250297	35,759.10	75	83	LNIPWNHIR	K	L	1,162.65
1553	NUP37 Nucleoporin Nup37	IPI00171665	36,689.20	75	85	VDGIAWSPETR	R	L	1,230.61
1554	RPL23 60S ribosomal protein L23	IPI00010153,IPI00795408	14,847.90	75	83	KVHPAVVIR	K	Q	1,018.65
1555	RPL23 60S ribosomal protein L23	IPI00010153,IPI00795408	14,847.90	75	83	KVHPAVVIR	K	Q	1,018.65
1556	UCHL3 Ubiquitin carboxyl-terminal hydrolase isozyme L3	IPI00011250	26,164.80	75	88	SQGQDVTSSVYFMK	K	Q	1,576.73
1557	RPL13 60S ribosomal protein L13	IPI00465361	24,244.20	75	82	GFSLEELR	R	V	950.4942
1558	PDAP1 28 kDa heat- and acid-stable phosphoprotein	IPI00013297	20,612.80	75	88	KGVEGLIDIENPNR	R	V	1,553.83
1559	CMPK1 cytidine monophosphate (UMP-CMP) kinase 1, cytosolic isoform a	IPI00219953	25,837.80	75	87	KNPDSQYGELIEK	R	Y	1,520.76
1560	EHD4 EH domain-containing protein 4	IPI00005578	61,159.60	75	79	TTFIR	K	Y	637.3668
1561	RPL18A 60S ribosomal protein L18a	IPI00026202	20,744.60	75	83	VKNFGIWL	R	Y	1,132.66
1562	GSTP1 Glutathione S-transferase P	IPI00219757	23,338.70	76	101	TLGLYGKDKQEAALVDMVND GVEDLR	R	C	2,865.39
1563	ANP32A Acidic leucine-rich nuclear phosphoprotein 32 family member A	IPI00025849	28,568.10	76	86	VSGGLEVLAEK	R	C	1,101.62
1564	ANP32A Acidic leucine-rich nuclear phosphoprotein 32 family member A	IPI00025849	28,568.10	76	86	VSGGLEVLAEK	R	C	1,101.62
1565	CALM1;CALM3;CALM2 Calmodulin	IPI00075248,IPI00386621,IPI00794543,IPI00916768	16,820.00	76	87	KMKDTSDEEEIR	R	E	1,496.69
1566	YWHAQ 14-3-3 protein theta	IPI00018146	27,747.40	76	83	LQLIKDYR	K	E	1,048.62
1567	SPEN Mx2-interacting protein	IPI00045914	402,226.70	76	89	TDYNEPGTIPSAAR	R	G	1,491.71
1568	CHMP1A Isoform 1 of Charged multivesicular body protein 1a	IPI00382452	21,684.50	76	83	VQTAVTMK	K	G	877.4812
1569	ANP32A Acidic leucine-rich nuclear phosphoprotein 32 family member A	IPI00025849	28,568.10	76	99	VSGGLEVLAEKCPNLTHLNL GNK	R	I	2,550.33
1570	PHGDH D-3-phosphoglycerate dehydrogenase	IPI00011200	56,632.60	76	90	AGTGVNDVDLEAATR	R	K	1,488.73
1571	NONO Non-POU domain-containing octamer-binding protein	IPI00304596	54,213.60	76	91	LFVGNLPPDITEEEMR	R	K	1,859.92
1572	ANP32B Isoform 1 of Acidic leucine-rich nuclear phosphoprotein 32 family member B	IPI00007423,IPI00759824	28,770.60	76	86	IFGGLDMLAEK	R	L	1,209.62
1573	PIN4 protein (peptidyl-prolyl cis/trans isomerase) NIMA-interacting, 4	IPI00006658	16,590.50	76	82	IMEAMEK	K	L	867.3952
1574	NONO Non-POU domain-containing octamer-binding protein	IPI00304596	54,213.60	76	92	LFVGNLPPDITEEEMRK	R	L	1,988.02
1575	KIAA0841 Isoform 1 of Uncharacterized protein KIAA0841	IPI00014220,IPI00440233	71,665.00	76	86	RKLELEAAVTR	R	L	1,285.76
1576	LASS2 LAG1 longevity assurance homolog 2	IPI00305304,IPI00641012,IPI00641435,IPI00642091,IPI00642378	44,860.90	76	93	LRAPPNATLEHFYLTSGK	R	Q	2,015.07
1577	SFRS3 Splicing factor, arginine/serine-rich 3	IPI00010204,IPI00843996	19,312.00	76	85	VRVELSNGEK	R	R	1,130.62
1578	SFRS3 Splicing factor, arginine/serine-rich 3	IPI00010204,IPI00843996	19,312.00	76	86	VRVELSNGEKR	R	S	1,286.72
1579	PFN1 Profilin-1	IPI00216691	15,036.30	76	89	DSLQLQDGEFSMDLR	R	T	1,641.74
1580	PSIP1 Isoform 1 of PC4 and SFRS1-interacting protein	IPI00028122	60,085.90	76	89	GFNEGLWEIDNNPK	K	V	1,632.77
1581	PDAP1 28 kDa heat- and acid-stable phosphoprotein	IPI00013297	20,612.80	76	88	GVEGLIDIENPNR	K	V	1,425.73

1582	CSE1L Isoform 1 of Exportin-2	IPI00022744,IPI00219994	110,403.90	76	89	IVEDEPNKICEADR	R	V	1,687.80
1583	GSTP1 Glutathione S-transferase P	IPI00219757	23,338.70	76	103	TLGLYGKDQQEAALVDMVND GVEDLRCK	R	Y	3,153.52
1584	HMG2 Non-histone chromosomal protein HMG-17	IPI00217950	9,375.10	77	90	TDQAQKAEGAGDAK	K	-	1,389.66
1585	GNB2L1 38 kDa protein	IPI00641950,IPI00848226	37,740.10	77	86	DETNYGIPQR	R	A	1,192.56
1586	HSPB11 Heat shock protein beta-11	IPI00098827,IPI00333618	16,279.20	77	91	STSKEPVDFEQWIEK	K	D	1,822.89
1587	CHAC2 Cation transport regulator-like protein 2	IPI00103047	20,857.10	77	82	AYLDFR	K	E	784.3988
1588	TSN Translin	IPI00018768,IPI00917623	26,165.40	77	86	TKFPAEQYYR	K	F	1,302.65
1589	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	77	88	KFGDPVVQSDMK	R	H	1,366.67
1590	- cDNA FLJ54408, highly similar to Heat shock 70 kDa protein 1	IPI00911039	63,907.90	77	88	KFGDPVVQSDMK	R	H	1,366.67
1591	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	70,881.80	77	88	RFDDAVVQSDMK	R	H	1,410.67
1592	PPIA Peptidyl-prolyl cis-trans isomerase A	IPI00419585,IPI00887678	17,994.90	77	91	SIYGKFEFENFILK	K	H	1,831.91
1593	LDHA Isoform 1 of L-lactate dehydrogenase A chain	IPI00217966	36,671.20	77	90	IVSGKDYNVTANSK	K	L	1,495.78
1594	C9orf23 Alba-like protein C9orf23	IPI00166873	17,613.40	77	86	RVPGLHLQTK	R	L	1,148.69
1595	UBL4A Ubiquitin-like protein 4A	IPI00005658	17,758.90	77	86	VLLEEGEAQR	K	L	1,143.60
1596	HSD17B12 Estradiol 17-beta-dehydrogenase 12	IPI00007676	34,307.40	77	82	VVLISR	K	S	686.4559
1597	HSPA9 Stress-70 protein, mitochondrial	IPI00007765	73,663.30	77	85	VLENAEGAR	K	T	958.4952
1598	RPS3 40S ribosomal protein S3	IPI00011253	26,670.50	77	90	FGFPEGSVELYAEK	R	V	1,572.76
1599	HNRNPA3 Isoform 1 of Heterogeneous nuclear ribonucleoprotein A3	IPI00419373	39,577.10	77	99	GFGFVTYSCVEEVAAMCAR PHK	R	V	2,647.17
1600	HNRNPA3 Isoform 1 of Heterogeneous nuclear ribonucleoprotein A3	IPI00419373	39,577.10	77	99	GFGFVTYSCVEEVAAMCAR PHK	R	V	2,647.17
1601	RUVBL1 Isoform 1 of RuvB-like 1	IPI00021187	50,211.40	77	90	TALALAIQELGSK	K	V	1,385.80
1602	RPL18A 60S ribosomal protein L18a	IPI00026202	20,744.60	77	83	NFGIWLRL	K	Y	905.4992
1603	STIP1 Stress-induced-phosphoprotein 1	IPI00013894,IPI00871856	62,624.10	78	87	KAAALEFLNR	R	F	1,132.65
1604	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	78	103	SGPFGQIFRPDNFVFGQSGA GNNWAK	R	G	2,798.34
1605	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	78	103	SGPFGQIFRPDNFVFGQSGA GNNWAK	R	G	2,798.34
1606	TUBB Tubulin beta chain	IPI00011654	49,652.60	78	103	SGPFGQIFRPDNFVFGQSGA GNNWAK	R	G	2,798.34
1607	TUBB Tubulin beta chain	IPI00011654	49,652.60	78	103	SGPFGQIFRPDNFVFGQSGA GNNWAK	R	G	2,798.34
1608	TUBB2A Tubulin beta-2A chain	IPI00013475,IPI00031370	49,889.10	78	103	SGPFGQIFRPDNFVFGQSGA GNNWAK	R	G	2,798.34
1609	TUBB2A Tubulin beta-2A chain	IPI00013475,IPI00031370	49,889.10	78	103	SGPFGQIFRPDNFVFGQSGA GNNWAK	R	G	2,798.34
1610	SEPT2 Septin-2	IPI00014177,IPI00871851,IPI00894340	41,470.10	78	91	TVQIEASTVEIEER	R	G	1,603.82
1611	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	78	88	FGDPVVQSDMK	K	H	1,222.58
1612	- cDNA FLJ54408, highly similar to Heat shock 70 kDa protein 1	IPI00911039	63,907.90	78	88	FGDPVVQSDMK	K	H	1,222.58
1613	LDHB L-lactate dehydrogenase B chain	IPI00219217	36,620.60	78	91	IVADKDYSVTANSK	K	I	1,510.77
1614	LDHB L-lactate dehydrogenase B chain	IPI00219217	36,620.60	78	91	IVADKDYSVTANSK	K	I	1,510.77
1615	FDFT1 Squalene synthetase	IPI00020944,IPI00908715	48,098.40	78	92	ALDTLEDDMTISVEK	R	K	1,695.80
1616	SELS Selenoprotein S	IPI00020468,IPI00793181,IPI00916735	21,098.40	78	86	RQEALAAAR	K	L	985.5537
1617	CPSF2 Cleavage and polyadenylation specificity factor subunit 2	IPI00419531,IPI00902580	88,471.50	78	92	LGLNCAIYATIPVYK	K	M	1,695.91
1618	RDBP cDNA FLJ56180, highly similar to Negative elongation factor E	IPI00000858	43,907.90	78	89	SGAISAIKAETK	K	N	1,175.66
1619	CMAS Isoform 1 of N-acylneuraminase cytidyltransferase	IPI00303158	48,361.60	78	102	AALDSGAFQSVVSTDHDEI ENVAK	R	Q	2,689.27
1620	KIF2C Isoform 1 of Kinesin-like protein KIF2C	IPI00290435,IPI00645758	81,296.50	78	90	DNLPLQENVTIQK	K	Q	1,511.81
1621	UHRF1 ubiquitin-like with PHD and ring finger domains 1 isoform 2	IPI00797279,IPI00797945	91,082.30	78	87	LNDTIQLLVR	R	Q	1,184.70

1622	RBMX Heterogeneous nuclear ribonucleoprotein G	IPI00304692	42,315.70	78	93	AIKVEQATKPSFESGR	K	R	1,747.93
1623	RBMX Heterogeneous nuclear ribonucleoprotein G	IPI00304692	42,315.70	78	93	AIKVEQATKPSFESGR	K	R	1,747.93
1624	RBMX Heterogeneous nuclear ribonucleoprotein G	IPI00304692	42,315.70	78	93	AIKVEQATKPSFESGR	K	R	1,747.93
1625	RBMX Heterogeneous nuclear ribonucleoprotein G	IPI00304692	42,315.70	78	93	AIKVEQATKPSFESGR	K	R	1,747.93
1626	RAB2B Ras-related protein Rab-2B	IPI00102896	24,197.10	78	90	GAAGALLYVDITR	R	R	1,319.73
1627	SFRS3 Splicing factor, arginine/serine-rich 3	IPI00010204,IPI00843996	19,312.00	78	86	VELSNGEKR	R	S	1,031.55
1628	RPS8 40S ribosomal protein S8	IPI00216587,IPI00872430	24,188.40	78	92	IIDVVYNASNNELVR	R	T	1,718.91
1629	RPS8 40S ribosomal protein S8	IPI00216587,IPI00872430	24,188.40	78	92	IIDVVYNASNNELVR	R	T	1,718.91
1630	RCC2 Protein RCC2	IPI00465044	56,066.80	78	94	AGGAAVVITEPEHTKER	K	V	1,764.92
1631	SRP14 Signal recognition particle 14 kDa protein	IPI00293434	14,552.60	79	88	FQMAYSNLLR	K	A	1,242.63
1632	BAX Isoform Epsilon of Apoptosis regulator BAX	IPI00071059,IPI00443773,IPI00444945,IPI00845474	18,111.40	79	89	MIAAVDTDSPR	R	E	1,175.57
1633	DDX27 Probable ATP-dependent RNA helicase DDX27	IPI00293078	89,820.10	79	91	SADFNPDFVFTEK	R	E	1,516.70
1634	STIP1 Stress-induced-phosphoprotein 1	IPI00013894,IPI00871856	62,624.10	79	87	AAALEFLNR	K	F	1,004.55
1635	ACOT7 Isoform 1 of Cytosolic acyl coenzyme A thioester hydrolase	IPI00010415,IPI00219451,IPI00219452,IPI00395748	41,777.00	79	90	MIEEAGAIISTR	K	H	1,306.67
1636	SEC11A Signal peptidase complex catalytic subunit SEC11A	IPI00104128,IPI00873253,IPI00873608	20,607.80	79	86	VGEIVVFR	R	I	918.5407
1637	LMNA Isoform A of Lamin-A/C	IPI00021405	74,122.60	79	89	AAYEALGDAR	K	K	1,165.55
1638	RPL23A;hCG_16001 60S ribosomal protein L23a	IPI00021266	17,678.20	79	88	FPLTTESAMK	K	K	1,140.56
1639	FAR1 Fatty acyl-CoA reductase 1	IPI00478838	59,340.20	79	90	IIAINSELTQPK	K	L	1,326.76
1640	PTGES3 cDNA FLJ50819, highly similar to Prostaglandin E synthase 3	IPI00790462	14,940.90	79	88	KGESGQSWPR	R	L	1,131.55
1641	PTGES3 cDNA FLJ50819, highly similar to Prostaglandin E synthase 3	IPI00790462	14,940.90	79	88	KGESGQSWPR	R	L	1,131.55
1642	RPS18;LOC100130553 40S ribosomal protein S18	IPI00013296	17,701.30	79	86	IPDWFLNR	K	Q	1,060.56
1643	THOC4 THO complex subunit 4	IPI00328840	27,540.50	79	88	NRPAYSRPK	R	Q	1,185.65
1644	UCHL1 Ubiquitin carboxyl-terminal hydrolase isozyme L1	IPI00018352	24,806.30	79	83	VYFMK	K	Q	703.3484
1645	DHFR Dihydrofolate reductase	IPI00030357,IPI00887771	21,435.30	79	92	ELKEPPQGAHFLSR	R	S	1,608.85
1646	CDK6 Cell division protein kinase 6	IPI00023529	36,920.80	79	87	LFDVCTVSR	R	T	1,096.55
1647	CALM1;CALM3;CALM2 Calmodulin	IPI00075248,IPI00386621,IPI00794543,IPI00916768	16,820.00	79	91	DTDSEEEIREAFR	K	V	1,596.71
1648	RPL10 60S ribosomal protein L10	IPI00554723,IPI00646899,IPI00853161	24,586.60	79	88	SCGKDGFHIR	K	V	1,176.56
1649	RPL18 60S ribosomal protein L18	IPI00215719	21,617.20	79	91	TAVVVGITDDVR	K	V	1,345.73
1650	RBM4 Isoform 1 of RNA-binding protein 4	IPI00003704	40,296.20	80	92	LHVGNISPTCTNK	K	E	1,440.73
1651	NUDT1 Isoform p26 of 7,8-dihydro-8-oxoguanine triphosphatase	IPI00004392,IPI00396056,IPI00644344,IPI00759462,IPI00759578	22,533.80	80	92	VQEGETIEDGARR	K	E	1,459.71
1652	H2AFY H2A histone family, member Y isoform 2	IPI00059366,IPI00304171,IPI00744148	39,472.70	80	96	HILLAVANDEELNQLLK	R	G	1,933.08
1653	BTF3 Isoform 1 of Transcription factor BTF3	IPI00221035	22,150.30	80	93	TATADDKKLQFSLK	R	K	1,565.85
1654	PTGES3 cDNA FLJ50819, highly similar to Prostaglandin E synthase 3	IPI00790462	14,940.90	80	88	GESGQSWPR	K	L	1,003.46
1655	RAB1B Ras-related protein Rab-1B	IPI00008964,IPI00896425	22,154.00	80	100	GAHGIIVVYDVTQESYANVK	R	Q	2,278.14
1656	HIST1H4H;HIST2H4A;HIST4H4;HIST1H4F;HIST1H4D;HIST1H4K;HIST1H4C;HIST1H4J;HIST1H4A;HIST1H4I;HIST1H4B;HIST2H4B;HIST1H4E;HIST1H4I Histone H4	IPI00453473	11,349.70	80	93	KTVTAMDVVYALKR	R	Q	1,610.89
1657	HIST1H4H;HIST2H4A;HIST4H4;HIST1H4F;HIST1H4D;HIST1H4K;HIST1H4C;HIST1H4J;HIST1H4A;HIST1H4I;HIST1H4B;HIST2H4B;HIST1H4E;HIST1H4I Histone H4	IPI00453473	11,349.70	80	93	KTVTAMDVVYALKR	R	Q	1,610.89
1658	LMNB1 Lamin-B1	IPI00217975	66,391.60	80	90	ALYETELADAR	K	R	1,251.62
1659	RAB18 Ras-related protein Rab-18	IPI00014577	22,959.50	80	92	GAQGVLVYDVTR	R	R	1,390.77
1660	SERPINB6 Putative uncharacterized protein DKFP686I04222	IPI00413451,IPI00749398	46,353.40	80	94	GNTAAQMAQILSFNK	K	S	1,609.80
1661	CHMP5 Charged multivesicular body protein 5	IPI00100796	24,553.80	80	103	DNLAQQSFNMEQANYTIQSL KDTK	R	T	2,803.32

1662	RAB7A Ras-related protein Rab-7a	IPI00016342	23,472.00	80	97	GADCCVLVFDVTAPNTFK	R	T	2,013.94
1663	PCNA Proliferating cell nuclear antigen	IPI00021700	28,751.30	81	91	CAGNEDIITLR	K	A	1,261.62
1664	HDGF Hepatoma-derived growth factor	IPI00020956	26,770.50	81	96	GFSEGLWEIENNPTVK	K	A	1,819.89
1665	BUB3 Mitotic checkpoint protein BUB3	IPI00013468,IPI00514701,IPI00644108	37,136.70	81	100	MHDLNTDQENLVGTHDAPIR	K	C	2,292.07
1666	SLC25A5 ADP/ATP translocase 2	IPI00007188	32,878.50	81	92	YFPTQALNFAFK	R	D	1,446.74
1667	SLC25A6 ADP/ATP translocase 3	IPI00291467	32,849.10	81	92	YFPTQALNFAFK	R	D	1,446.74
1668	SUB1 Activated RNA polymerase II transcriptional coactivator p15	IPI00221222	14,377.90	81	86	VLIDIR	K	E	728.4666
1669	CHMP2A Charged multivesicular body protein 2a	IPI00004416	25,087.00	81	89	ANIQAVSLK	R	I	943.5571
1670	SNCA Isoform 1 of Alpha-synuclein	IPI00024107,IPI00218467	14,441.30	81	96	TVEGAGSIAAATGFVK	K	K	1,478.79
1671	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	81	92	KLNVTEQEKIDK	K	L	1,444.80
1672	NPM1 Isoform 2 of Nucleophosmin	IPI00220740,IPI00549248	29,446.90	81	101	MSVQPTVSLGGFEITPPVVLK	K	L	2,243.21
1673	SGTA Small glutamine-rich tetratricopeptide repeat-containing protein alpha	IPI00013949	34,045.90	81	93	TPPSEEDSAEAER	R	L	1,417.61
1674	SGTA Small glutamine-rich tetratricopeptide repeat-containing protein alpha	IPI00013949	34,045.90	81	93	TPPSEEDSAEAER	R	L	1,417.61
1675	RPL24 60S ribosomal protein L24	IPI00306332,IPI00791426,IPI00793696,IPI00873403	17,761.50	81	94	AITGASLADIMAKR	R	N	1,433.78
1676	TSEN34 27 kDa protein	IPI00657943,IPI00658061,IPI00894217	27,261.80	81	91	HHSALTSFKR	R	Q	1,296.72
1677	HIST1H4H;HIST2H4A;HIST4H4;HIST1H4F;HIST1H4D;HIST1H4K;HIST1H4C;HIST1H4J;HIST1H4A;HIST1H4I;HIST1H4B;HIST2H4B;HIST1H4E;HIST1H4L Histone H4	IPI00453473	11,349.70	81	93	TVTAMDVVYALKR	K	Q	1,466.80
1678	HIST1H4H;HIST2H4A;HIST4H4;HIST1H4F;HIST1H4D;HIST1H4K;HIST1H4C;HIST1H4J;HIST1H4A;HIST1H4I;HIST1H4B;HIST2H4B;HIST1H4E;HIST1H4L Histone H4	IPI00453473	11,349.70	81	93	TVTAMDVVYALKR	K	Q	1,466.80
1679	HIST1H4H;HIST2H4A;HIST4H4;HIST1H4F;HIST1H4D;HIST1H4K;HIST1H4C;HIST1H4J;HIST1H4A;HIST1H4I;HIST1H4B;HIST2H4B;HIST1H4E;HIST1H4L Histone H4	IPI00453473	11,349.70	81	93	TVTAMDVVYALKR	K	Q	1,466.80
1680	RPL24 60S ribosomal protein L24	IPI00306332,IPI00791426,IPI00793696,IPI00873403	17,761.50	81	93	AITGASLADIMAK	R	R	1,261.68
1681	RPS10 40S ribosomal protein S10	IPI00008438	18,880.30	81	95	DYLHLPPEIVPATLR	R	R	1,733.96
1682	HIST1H4H;HIST2H4A;HIST4H4;HIST1H4F;HIST1H4D;HIST1H4K;HIST1H4C;HIST1H4J;HIST1H4A;HIST1H4I;HIST1H4B;HIST2H4B;HIST1H4E;HIST1H4L Histone H4	IPI00453473	11,349.70	81	92	TVTAMDVVYALK	K	R	1,326.70
1683	RPS10 40S ribosomal protein S10	IPI00008438	18,880.30	81	96	DYLHLPPEIVPATLRR	R	S	1,890.06
1684	RPS10 40S ribosomal protein S10	IPI00008438	18,880.30	81	96	DYLHLPPEIVPATLRR	R	S	1,890.06
1685	RBM14;RBM4 Isoform 1 of RNA-binding protein 14	IPI00013174	69,474.30	81	96	IFVGNVSAACTSQELR	K	S	1,751.87
1686	RBM14;RBM4 Isoform 1 of RNA-binding protein 14	IPI00013174	69,474.30	81	96	IFVGNVSAACTSQELR	K	S	1,751.87
1687	RBM14;RBM4 Isoform 1 of RNA-binding protein 14	IPI00013174	69,474.30	81	96	IFVGNVSAACTSQELR	K	S	1,751.87
1688	SLC25A5 ADP/ATP translocase 2	IPI00007188	32,878.50	81	94	YFPTQALNFAFKDK	R	Y	1,689.86
1689	SLC25A6 ADP/ATP translocase 3	IPI00291467	32,849.10	81	94	YFPTQALNFAFKDK	R	Y	1,689.86
1690	MRPL11 39S ribosomal protein L11, mitochondrial	IPI00007001,IPI00333848	20,665.90	82	92	IGQPTVSYFLK	K	A	1,252.69
1691	DSTN Destrin	IPI00473014	18,488.20	82	92	YALYDASFETK	R	E	1,307.62
1692	CFL1 Cofilin-1	IPI00012011	18,485.10	82	92	YALYDATYETK	R	E	1,337.63
1693	TRAPPC5 Trafficking protein particle complex subunit 5	IPI00177509	20,765.40	82	90	VLGALLFVK	K	G	959.6289
1694	RPA2 Isoform 1 of Replication protein A 32 kDa subunit	IPI00013939,IPI00646500,IPI00647667	29,228.70	82	93	HAEKAPTNIYYK	R	I	1,370.74
1695	CTPS CTP synthase 1	IPI00290142	66,672.70	82	92	LTKDNNLTGK	R	I	1,204.65
1696	LDHA Isoform 1 of L-lactate dehydrogenase A chain	IPI00217966	36,671.20	82	90	DYNVTANSK	K	L	1,011.47
1697	PTMS Parathyrosin	IPI00550020,IPI00783736,IPI00815656,IPI00830138	11,511.60	82	93	AAEEEDEADPKR	R	Q	1,359.60
1698	RPA2 Isoform 1 of Replication protein A 32 kDa subunit	IPI00013939,IPI00646500,IPI00647667	29,228.70	82	105	HAEKAPTNIYYKIDDMTAAAPM DVR	R	Q	2,718.32

1699	PTRH2 Peptidyl-tRNA hydrolase 2, mitochondrial	IPI00032903,IPI0055597	19,175.70	82	95	VAAQCShAAVSAYK	K	Q	1,462.71
1700	HNRNPF Heterogeneous nuclear ribonucleoprotein F	IPI00003881	45,653.80	82	87	YIEVFK	R	S	798.4396
1701	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	82	87	YVEVFK	R	S	784.4239
1702	HNRNPH2 Heterogeneous nuclear ribonucleoprotein H2	IPI00026230	49,246.10	82	87	YVEVFK	R	S	784.4239
1703	WDR68 WD repeat-containing protein 68	IPI00006754	38,908.30	82	96	GVYPDLLATSGDYLR	K	V	1,639.83
1704	PPAT Amidophosphoribosyltransferase	IPI00029534	57,381.30	82	93	LYVSNLIGIGHTR	K	Y	1,329.73
1705	PDCD10 Programmed cell death protein 10	IPI00298558	24,684.50	83	106	MAADDVEEYMIERPEPEFQD LNEK	R	A	2,930.27
1706	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	83	95	TLTLVDTGIGMTK	R	A	1,365.73
1707	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	83	95	TLTLVDTGIGMTK	R	A	1,365.73
1708	GSTP1 Glutathione S-transferase P	IPI00219757	23,338.70	83	101	DQQEALVDMVNDGVEDLR	K	C	2,132.98
1709	TXNDC1 Thioredoxin domain-containing protein 1	IPI00395887	31,773.90	83	94	VDVTEQPGLSGR	K	F	1,257.64
1710	RAB11B Ras-related protein Rab-11B	IPI00020436	24,471.00	83	95	GAVGALLVYDIAK	R	H	1,289.75
1711	TRMT1 Isoform 1 of N(2),N(2)-dimethylguanosine tRNA methyltransferase	IPI00020508,IPI00178861	72,215.30	83	94	DLTCAVITEFAR	R	I	1,395.69
1712	DDRK1 Isoform 1 of Uncharacterized protein C20orf116	IPI00028387	35,593.00	83	116	VAWAEADENEEEAVALAQEEE GVEKPAETHLSGK	R	I	3,707.76
1713	HIST1H2AB;HIST1H2AE Histone H2A type 1-B/E	IPI00026272,IPI00031562,IPI00216456	14,118.00	83	96	HLQLAIRNDEELNK	R	L	1,692.90
1714	HIST1H2AB;HIST1H2AE Histone H2A type 1-B/E	IPI00026272,IPI00031562,IPI00216456	14,118.00	83	96	HLQLAIRNDEELNK	R	L	1,692.90
1715	HIST1H2AH Histone H2A type 1-H	IPI00081836,IPI00216457,IPI00220855,IPI00255316,IPI00291764,IPI00339274,IPI00552873,IPI00902514	13,888.80	83	96	HLQLAIRNDEELNK	R	L	1,692.90
1716	HIST1H2AH Histone H2A type 1-H	IPI00081836,IPI00216457,IPI00220855,IPI00255316,IPI00291764,IPI00339274,IPI00552873,IPI00902514	13,888.80	83	96	HLQLAIRNDEELNK	R	L	1,692.90
1717	HIST1H2AB;HIST1H2AE Histone H2A type 1-B/E	IPI00026272,IPI00031562,IPI00216456	14,118.00	83	89	HLQLAIR	R	N	850.5258
1718	HIST1H2AH Histone H2A type 1-H	IPI00081836,IPI00216457,IPI00220855,IPI00255316,IPI00291764,IPI00339274,IPI00552873,IPI00902514	13,888.80	83	89	HLQLAIR	R	N	850.5258
1719	HNRNPA2B1 43 kDa protein	IPI00874030	43,234.30	83	99	KLFIGGLSFETTEESLR	R	N	1,927.02
1720	PSMA1 Isoform Short of Proteasome subunit alpha type-1	IPI00016832,IPI00472442	29,538.00	83	89	LLCNFMR	R	Q	953.4696
1721	CNP Isoform CNPI of 2',3'-cyclic-nucleotide 3'-phosphodiesterase	IPI00220993,IPI00306667	45,082.30	83	92	LDEDLAAYCR	R	R	1,225.55
1722	HSPA5 HSPA5 protein	IPI00003362	72,405.60	83	97	NQLTSNPENTVFDKAK	K	R	1,677.81
1723	RPL10 60S ribosomal protein L10	IPI00554723,IPI00646899,IPI00853161	24,586.60	83	88	DGFHIR	K	V	744.3788
1724	CGGBP1 CGG triplet repeat-binding protein 1	IPI00295585	18,802.20	83	100	QRPLTASLQCNSTAQTEK	K	V	2,033.01
1725	GSTP1 Glutathione S-transferase P	IPI00219757	23,338.70	83	103	DQQEALVDMVNDGVEDLRC K	K	Y	2,421.10
1726	EIF1AX;EIF1AP1 Eukaryotic translation initiation factor 1A, X-chromosomal	IPI00232533	16,443.30	83	94	DYQDNKADVILK	R	Y	1,421.73
1727	PDIA3 Protein disulfide-isomerase A3	IPI00025252	56,766.60	83	94	VDCTANTNTCNK	K	Y	1,397.58
1728	EEF1D Elongation factor 1-delta	IPI00023048	31,103.90	84	95	IASLEVENQSLR	R	G	1,358.73
1729	EEF1D Elongation factor 1-delta	IPI00023048	31,103.90	84	95	IASLEVENQSLR	R	G	1,358.73
1730	WDR54 Isoform 1 of WD repeat-containing protein 54	IPI00029811	35,872.20	84	92	VLLVLTSHR	R	G	1,037.65
1731	PHB Prohibitin	IPI00017334,IPI00791634	29,786.60	84	93	DLQNVNITLR	K	I	1,185.66
1732	RDH11 Isoform 1 of Retinol dehydrogenase 11	IPI00339384	35,368.50	84	97	EIQTTTGNQQVLVR	K	K	1,586.85
1733	KPNA2;LOC728860 Importin subunit alpha-2	IPI00002214,IPI00789457	57,844.50	84	101	GINSSNVENQLQATQAAR	K	K	1,900.95
1734	PSPC1 Isoform 1 of Paraspeckle component 1	IPI00103525,IPI00395775	58,726.50	84	100	LFVGNLPTDITEEDFKR	R	L	1,994.02
1735	ARD1A N-terminal acetyltransferase complex ARD1 subunit homolog A	IPI00013184	26,441.00	84	89	LGLAQK	R	L	629.3982
1736	LRRC59 Leucine-rich repeat-containing protein 59	IPI00396321	34,913.40	84	96	LVNLQHLDLLNKK	R	L	1,533.87
1737	SEPT11 Septin-11	IPI00019376	49,381.10	84	93	SYELQESNVR	R	L	1,224.59
1738	LTA4H Isoform 1 of Leukotriene A-4 hydrolase	IPI00219077	69,269.10	84	97	GSPMEISLPIALSK	K	N	1,458.79
1739	HNRNPA2B1 43 kDa protein	IPI00874030	43,234.30	84	99	LFVGNLPTDITEEDFKR	K	N	1,798.92
1740	TOP2A Isoform 3 of DNA topoisomerase 2-alpha	IPI00218753,IPI00414101,IPI00478232,IPI00879004	178,700.70	84	96	IFDEILVNAADNK	K	Q	1,461.76
1741	TOP2A Isoform 3 of DNA topoisomerase 2-alpha	IPI00218753,IPI00414101,IPI00478232,IPI00879004	178,700.70	84	96	IFDEILVNAADNK	K	Q	1,461.76

1742	PSPC1 Isoform 1 of Paraspeckle component 1	IPI00103525,IPI00395775	58,726.50	84	99	LFVGNLPTDITEEDFK	R	R	1,837.92
1743	GNL3L Guanine nucleotide-binding protein-like 3-like protein	IPI00005132,IPI00871959	65,555.30	84	94	TIESYQCQDVLR	R	R	1,383.66
1744	PSMG2 Proteasome assembly chaperone 2	IPI00644482	29,379.40	84	91	KLVALQLR	R	S	940.6303
1745	RRM2 Ribonucleoside-diphosphate reductase M2 subunit	IPI00011118	51,076.50	84	101	GLSLVDKENTPPALSGTR	K	V	1,854.99
1746	ADRM1 Proteasomal ubiquitin receptor ADRM1	IPI00033030,IPI00470921	42,136.20	84	92	RVPQCPSGR	K	V	1,056.54
1747	GAPDH Glyceraldehyde-3-phosphate dehydrogenase	IPI00219018	36,035.30	85	107	IKWGDAGA EYVVESTGVFTT MEK	K	A	2,534.21
1748	EEF1A1 Elongation factor 1-alpha 1	IPI00396485	50,123.20	85	96	YYVTIIDAPGHR	K	D	1,404.73
1749	EEF1A1 Elongation factor 1-alpha 1	IPI00396485	50,123.20	85	96	YYVTIIDAPGHR	K	D	1,404.73
1750	EEF1A1 Elongation factor 1-alpha 1	IPI00396485	50,123.20	85	96	YYVTIIDAPGHR	K	D	1,404.73
1751	PRDX6 Peroxiredoxin-6	IPI00220301	25,018.10	85	108	DINAYNCEEPTEKLPFPIDDR NR	K	E	2,919.39
1752	CORO1C Coronin-1C_i3 protein	IPI00867509	58,930.80	85	97	VTWSSSFCAVNPR	R	F	1,538.71
1753	CORO1C Coronin-1C_i3 protein	IPI00867509	58,930.80	85	97	VTWSSSFCAVNPR	R	F	1,538.71
1754	UBE2T Ubiquitin-conjugating enzyme E2 T	IPI00023087	22,503.80	85	95	ICLDVLKLPK	R	G	1,295.78
1755	TUBA1A Tubulin alpha-1A chain	IPI00180675	50,117.70	85	105	QLFHPEQLITGKEDAANNYAR	R	G	2,415.21
1756	TUBA1A Tubulin alpha-1A chain	IPI00180675	50,117.70	85	105	QLFHPEQLITGKEDAANNYAR	R	G	2,415.21
1757	TUBA1C Tubulin alpha-1C chain	IPI00218343	49,877.40	85	105	QLFHPEQLITGKEDAANNYAR	R	G	2,415.21
1758	TUBA1B Tubulin alpha-1B chain	IPI00387144,IPI00792677	50,133.70	85	105	QLFHPEQLITGKEDAANNYAR	R	G	2,415.21
1759	PTBP1 Isoform 1 of Polypyrimidine tract-binding protein 1	IPI00179964,IPI00183626,IPI00334175	57,204.50	85	92	VTNLLMLK	K	G	947.5596
1760	RPS12 40S ribosomal protein S12	IPI00013917,IPI00847579	14,507.70	85	93	LGEWVGLCK	K	I	1,061.55
1761	RBP1 retinol binding protein 1, cellular isoform a	IPI00219718	22,292.30	85	93	ALDVNVALR	R	K	970.568
1762	PRDX6 Peroxiredoxin-6	IPI00220301	25,018.10	85	97	DINAYNCEEPTEK	K	L	1,582.67
1763	SDSL Serine dehydratase-like	IPI00062419,IPI00790728,IPI00796370	34,655.20	85	105	KLGIPTIVLPESTSLQVVQR	R	L	2,249.32
1764	PRDX6 Peroxiredoxin-6	IPI00220301	25,018.10	85	106	DINAYNCEEPTEKLPFPIDDR	K	N	2,649.25
1765	EEF1A1 Elongation factor 1-alpha 1	IPI00396485	50,123.20	85	100	YYVTIIDAPGHRDFIK	K	N	1,908.00
1766	PIN4 protein (peptidyl-prolyl cis/trans isomerase) NIMA-interacting, 4	IPI00006658	16,590.50	85	102	SGMRFN E VAAQYSEDKAR	K	Q	2,074.96
1767	CAPNS1 Calpain small subunit 1	IPI00025084	28,298.60	85	99	THYSNIEANESE E VR	R	Q	1,777.80
1768	HNRNPH3 Isoform 1 of Heterogeneous nuclear ribonucleoprotein H3	IPI00013877,IPI00216492	36,909.60	85	90	YIEIFR	R	S	840.4614
1769	TIPRL Isoform 1 of TIP41-like protein	IPI00745568	31,426.80	85	95	VACAEWQESR	K	T	1,364.59
1770	RPL27 60S ribosomal protein L27	IPI00219155	15,780.40	85	93	YSVDIPLDK	R	T	1,049.55
1771	ADRM1 Proteasomal ubiquitin receptor ADRM1	IPI00033030,IPI00470921	42,136.20	85	92	VPQCPSGR	R	V	900.4357
1772	PDZD11 Isoform 1 of PDZ domain-containing protein 11	IPI00550841,IPI00641523	16,113.50	86	109	AGLQEGDQVLAVNDVDFQDI EHSK	R	A	2,627.26
1773	STUB1 Isoform 1 of STIP1 homology and U box-containing protein 1	IPI00025156	34,839.00	86	95	ALELDGQSVK	R	A	1,059.57
1774	COPE epsilon subunit of coatamer protein complex isoform c	IPI00399319,IPI00465132	28,755.20	86	97	MFADYLAHESRR	R	D	1,495.71
1775	RPS25 40S ribosomal protein S25	IPI00012750	13,725.00	86	94	AALQELLSK	R	G	972.5725
1776	RPS25 40S ribosomal protein S25	IPI00012750	13,725.00	86	94	AALQELLSK	R	G	972.5725
1777	RPS25 40S ribosomal protein S25	IPI00012750	13,725.00	86	94	AALQELLSK	R	G	972.5725
1778	TXNL1 Thioredoxin-like protein 1	IPI00305692,IPI00642032	32,233.40	86	102	VRIDQYQGADAVGLEEK	K	I	1,890.96
1779	CCDC12 Coiled-coil domain-containing protein 12	IPI00453463	19,163.20	86	110	VKEQLEAAKPEPVIEEVDLAN LAPR	K	K	2,758.50
1780	HSPA9 Stress-70 protein, mitochondrial	IPI00007765	73,663.30	86	99	TTPSVVAFTADGER	R	L	1,450.72
1781	PTPLAD1 Protein tyrosine phosphatase-like protein PTPLAD1	IPI00008998	43,143.10	86	92	VSQWWER	K	L	990.4791

1782	PTPLAD1 Protein tyrosine phosphatase-like protein PTPLAD1	IPI00008998	43,143.10	86	92	VSQWWER	K	L	990.4791
1783	STMN1 Stathmin	IPI00479997	17,285.00	86	95	AIEENNNFSK	K	M	1,165.55
1784	RPL17;LOC100133931 60S ribosomal protein L17	IPI00413324,IPI00478208	21,379.40	86	96	KSAEFLHMLK	K	N	1,332.73
1785	DDX5 Probable ATP-dependent RNA helicase DDX5	IPI00017617	69,131.70	86	111	GHNCPKPVLFNFYEANFPANV MDVIAR	R	Q	2,989.44
1786	SYAP1 Synapse-associated protein 1	IPI00059242	39,915.40	86	98	SVEEGKIDGIIDK	K	T	1,402.74
1787	PREP Prolyl endopeptidase	IPI00008164	80,683.50	86	98	YFYFYNTGLQNQR	R	V	1,713.80
1788	HMOX1 Heme oxygenase 1	IPI00215893	32,801.10	86	100	KAALEQDLAFWYGPR	R	W	1,764.91
1789	GAPDH Glyceraldehyde-3-phosphate dehydrogenase	IPI00219018	36,035.30	87	107	WGDAGAEYVVVESTGVFTTME K	K	A	2,293.03
1790	EIF2A Isoform 1 of Eukaryotic translation initiation factor 2A	IPI00902564	64,973.20	87	100	NTVLATWQPYYTTSK	K	D	1,609.82
1791	PGK1 Phosphoglycerate kinase 1	IPI00169383	44,597.30	87	97	LLGKDVFLK	K	D	1,232.76
1792	GRB2 Isoform 1 of Growth factor receptor-bound protein 2	IPI00021327	25,188.80	87	100	ESESAPGDFSLSVK	R	F	1,452.69
1793	RPS14 40S ribosomal protein S14	IPI00026271	16,254.90	87	96	ELGITALHIK	K	L	1,094.66
1794	BTF3 Isoform 1 of Transcription factor BTF3	IPI00221035	22,150.30	87	94	KLQFSLKK	K	L	991.63
1795	ANP32B Isoform 1 of Acidic leucine-rich nuclear phosphoprotein 32 family member B	IPI00007423,IPI00759824	28,770.60	87	99	LPNLTHLNLSGNK	K	L	1,420.79
1796	PSMB2 Proteasome subunit beta type-2	IPI00028006	22,819.50	87	93	NLADCLR	R	S	861.4248
1797	PRDX5 Isoform Mitochondrial of Peroxiredoxin-5, mitochondrial	IPI00024915,IPI00759663,IPI00876999	22,008.30	87	102	GVLFGVPGAFTPGCSK	K	T	1,593.81
1798	UBL4A Ubiquitin-like protein 4A	IPI00005658	17,758.90	87	101	LADSPPPQVWQLISK	R	V	1,678.92
1799	PFKM cDNA FLJ44241 fis, clone THYMU3008436, highly similar to 6-phosphofructokinase, muscle type	IPI00465179,IPI00743142	93,203.30	88	106	AIAVLTSGGDAQGMNAAVR	K	A	1,801.92
1800	CDKN2A Cyclin-dependent kinase inhibitor	IPI00001560	17,865.30	88	99	EGFLDTLVVLR	R	A	1,398.77
1801	- Ribosomal protein S27	IPI00397358,IPI00513971,IPI00746004,IPI00888491,IPI00888789	16,859.90	88	100	LVQSPNSYFMDVK	R	C	1,527.75
1802	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	88	98	SNNVEMDWLK	K	H	1,350.64
1803	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	88	98	SNNVEMDWLK	K	H	1,350.64
1804	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	88	98	SNNVEMDWLK	K	H	1,350.64
1805	TXNL1 Thioredoxin-like protein 1	IPI00305692,IPI00642032	32,233.40	88	102	IDQYQGADAVGLEEK	R	I	1,635.79
1806	DEK Protein DEK	IPI00020021,IPI00871695	42,657.90	88	93	LCEIER	K	I	819.403
1807	KHSRP KH-type splicing regulatory protein	IPI00479786,IPI00855957	73,097.60	88	110	IGGDAATTVNNSTPDFGFGG QKR	K	Q	2,310.11
1808	RPS20 40S ribosomal protein S20	IPI00012493,IPI00794659	13,355.00	88	99	LIDLHSPSEIVK	R	Q	1,350.76
1809	CROP Isoform 1 of Cisplatin resistance-associated overexpressed protein	IPI00107745	51,449.10	88	98	YLQSLLAEVER	R	R	1,320.72
1810	PIN4 protein (peptidyl-prolyl cis/trans isomerase) NIMA-interacting, 4	IPI00006658	16,590.50	89	100	FNEVAAQYSEDK	R	A	1,400.63
1811	AK1 Adenylate kinase isoenzyme 1	IPI00018342,IPI00640817	21,617.10	89	97	GFLIDGYPR	K	E	1,037.54
1812	C11orf46 Uncharacterized protein C11orf46	IPI00167549	29,320.20	89	104	NLHVIDLDDATFLSAK	K	F	1,771.92
1813	NME2 Nucleoside diphosphate kinase B	IPI00026260	17,280.20	89	105	VMLGETNPADSKPGTIR	R	G	1,801.91
1814	C9orf23 Alba-like protein C9orf23	IPI00166873	17,613.40	89	112	FLQTEDSWVPASPDTGLDPLT VRR	R	H	2,700.36
1815	RPL7 60S ribosomal protein L7	IPI00030179,IPI00472171,IPI00871827	29,209.70	89	94	LAFVIR	K	I	718.461
1816	SRP14 Signal recognition particle 14 kDa protein	IPI00293434	14,552.60	89	95	ANMDGLK	R	K	748.3659
1817	PCCA propionyl-Coenzyme A carboxylase, alpha polypeptide isoform a precursor	IPI00744115,IPI00796978,IPI00895869	80,041.20	89	104	TVAIHSDVDASSVHVK	K	M	1,664.86
1818	PIN4 protein (peptidyl-prolyl cis/trans isomerase) NIMA-interacting, 4	IPI00006658	16,590.50	89	102	FNEVAAQYSEDKAR	R	Q	1,627.77
1819	HMGB1 High mobility group protein B1	IPI00419258	24,876.70	89	96	FKDPNAPK	K	R	916.4888
1820	SFRS3 Splicing factor, arginine/serine-rich 3	IPI00010204,IPI00843996	19,312.00	89	98	NRGPPPSWGR	R	R	1,123.58
1821	BID Isoform 1 of BH3-interacting domain death agonist	IPI00413587,IPI00420084,IPI00871585	21,977.30	89	99	HLAQVGDSDMR	R	S	1,244.57

1822	CACYBP Isoform 1 of Calcyclin-binding protein	IPI00395627	26,192.30	89	111	IYITLTGVHQVPTENVQVHFTE K R	S	2,681.40	
1823	RCC1 regulator of chromosome condensation 1 isoform a	IPI00001661,IPI00747309,IPI00787306	48,126.30	89	115	KKPALVSIPEVVQAEAGGMH R TVCLSK	S	2,880.50	
1824	EMD Emerin	IPI00032003	28,976.90	89	103	GYNDLIIYEEESYFTR	K	T	1,922.77
1825	C11orf73 Uncharacterized protein C11orf73	IPI00410091	21,609.50	89	104	SGEGSQHPFGAMNIVR	K	T	1,686.80
1826	FKBP4 FK506-binding protein 4	IPI00219005	51,787.90	89	98	AWDIAIATMK	K	V	1,135.58
1827	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	70,881.80	89	102	HWPFMVVNDAGRPK	K	V	1,653.83
1828	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	89	102	HWPFQVINDGDKPK	K	V	1,680.85
1829	EIF1AX;EIF1AP1 Eukaryotic translation initiation factor 1A, X-chromosomal	IPI00232533	16,443.30	89	94	ADVILK	K	Y	658.4135
1830	ARD1A N-terminal acetyltransferase complex ARD1 subunit homolog A	IPI00013184	26,441.00	90	96	LMDQASR	K	A	820.3982
1831	CCT4 T-complex protein 1 subunit delta	IPI00302927,IPI00873222	57,907.90	90	96	MLVELSK	R	A	835.4595
1832	TCEA1 Isoform 1 of Transcription elongation factor A protein 1	IPI00333215	33,952.60	90	104	KKEPAITSQNSPEAR	K	E	1,655.87
1833	RARS Isoform Complexed of Arginyl-tRNA synthetase, cytoplasmic	IPI00004860	75,364.00	90	109	AAYPDLENPPLLVTSPQAK	K	F	2,152.13
1834	PARK7 Protein DJ-1	IPI00298547	19,873.10	90	98	EILKEQENR	K	K	1,158.61
1835	PYCR2 Pyrroline-5-carboxylate reductase 2	IPI00470610,IPI00747534	33,619.80	90	107	HIVVSCAAGVTISSVEKK	R	L	1,885.02
1836	CDC123 Cell division cycle protein 123 homolog	IPI00005670	39,118.10	90	104	VQEAINSLGGSVFPK	K	L	1,545.83
1837	TIA1 Isoform Long of Nucleolysin TIA-1 isoform p40	IPI00291398,IPI00743479	42,944.20	90	101	DTSSSTVVSTQR	K	S	1,267.61
1838	SPEN Msx2-interacting protein	IPI00045914	402,226.70	90	100	GLDDTVSIASR	R	S	1,133.58
1839	HIST1H2AH Histone H2A type 1-H	IPI00081836,IPI00216457,IPI00220855,IPI00255316,IPI00291764,IPI00339274,IPI00552873,IPI00902514	13,888.80	90	100	NDEELNKLKLGK	R	V	1,272.68
1840	HIST1H2AH Histone H2A type 1-H	IPI00081836,IPI00216457,IPI00220855,IPI00255316,IPI00291764,IPI00339274,IPI00552873,IPI00902514	13,888.80	90	100	NDEELNKLKLGK	R	V	1,272.68
1841	HIST1H2AB;HIST1H2AE Histone H2A type 1-B/E	IPI00026272,IPI00031562,IPI00216456	14,118.00	90	100	NDEELNKLKLGK	R	V	1,300.69
1842	HIST1H2AB;HIST1H2AE Histone H2A type 1-B/E	IPI00026272,IPI00031562,IPI00216456	14,118.00	90	100	NDEELNKLKLGK	R	V	1,300.69
1843	GDI1 Rab GDP dissociation inhibitor alpha	IPI00010154,IPI00910113	50,566.10	90	98	MLLYTEVTR	K	Y	1,125.60
1844	GNAI3 Guanine nucleotide-binding protein G(k) subunit alpha	IPI00220578	40,515.40	91	100	LKIDFGEAAR	R	A	1,119.62
1845	GOT2 Aspartate aminotransferase, mitochondrial	IPI00018206	47,458.60	91	107	NLDKEYLPIGGLAEFCK	K	A	1,966.99
1846	PBK cDNA FLJ58333, highly similar to T-lymphokine-activated killer cell-originated protein kinase	IPI00306708	37,194.90	91	101	SLHHPNIVGYR	K	A	1,292.69
1847	REEP3 Isoform 1 of Receptor expression-enhancing protein 3	IPI00164434,IPI00658022	29,246.70	91	99	FLHPLLSSK	K	E	1,041.61
1848	ARL6IP1 ADP-ribosylation factor-like protein 6-interacting protein 1	IPI00014232	23,345.50	91	104	IFGSNKWTEQQQR	R	F	1,722.86
1849	NOP56 Nucleolar protein 5A	IPI00411937	66,034.00	91	99	VLLGVGDPK	K	I	897.5406
1850	RUVBL1 Isoform 1 of RuvB-like 1	IPI00021187	50,211.40	91	107	VPFCPMVGSEVYSTEIK	K	K	1,942.93
1851	HN1L Isoform 1 of Hematological and neurological expressed 1-like protein	IPI00027397,IPI00909195	20,045.60	91	104	TSDIFGSPVTATSR	K	L	1,438.72
1852	SSB Lupus La protein	IPI00009032,IPI00916802	46,821.00	91	109	RSPSKPLPEVTDEYKNDVK	R	N	2,202.14
1853	MBD3 Isoform 1 of Methyl-CpG-binding domain protein 3	IPI00439194,IPI00439195	32,826.30	91	102	GKPDNLNTALPVR	K	Q	1,280.73
1854	LDHA Isoform 1 of L-lactate dehydrogenase A chain	IPI00217966	36,671.20	91	99	LVIITAGAR	K	Q	913.583
1855	RPS7 40S ribosomal protein S7	IPI00013415	22,109.50	91	98	HVVVIAQR	K	R	969.5628
1856	CIAO1 Protein CIAO1	IPI00008791	37,820.90	91	109	NQDDFECVTTLEGHENEVK	K	S	2,263.98
1857	RPL30 60S ribosomal protein L30	IPI00219156,IPI00872940	12,766.70	91	106	VCTLAIIDPGDSDIIR	R	S	1,757.91
1858	ATIC Bifunctional purine biosynthesis protein PURH	IPI00289499	64,598.50	91	97	LDNFLIR	R	V	890.5095
1859	WDR82 WD repeat-containing protein 82	IPI00152695	35,062.40	91	98	YLSLHDNK	R	Y	989.5051
1860	NONO Non-POU domain-containing octamer-binding protein	IPI00304596	54,213.60	92	99	KLFEKYGK	R	A	1,012.58
1861	PGK1 Phosphoglycerate kinase 1	IPI00169383	44,597.30	92	97	DVLFLK	K	D	734.4448

1862	YWHAZ 14-3-3 protein zeta/delta	UPI00021263	27,727.90	92	103	DICNDVLSLLEK	R	F	1,418.72
1863	CALM1;CALM3;CALM2 Calmodulin	UPI00075248,UPI00386621,UPI00794543,UPI00916768	16,820.00	92	107	VFDKDGNGYISAAELR	R	H	1,754.87
1864	MCM3 cDNA FLJ55599, highly similar to DNA replication licensing factor MCM3	UPI00013214	95,892.30	92	101	LIVNVNDLRR	R	K	1,211.72
1865	PCNA Proliferating cell nuclear antigen	UPI00021700	28,751.30	92	117	AEDNADTLALVFEAPNQEKVS DYEMK	R	L	2,943.36
1866	PSIP1 Isoform 1 of PC4 and SFRS1-interacting protein	UPI00028122	60,085.90	92	100	FSSQQAATK	K	Q	967.4843
1867	PSIP1 Isoform 1 of PC4 and SFRS1-interacting protein	UPI00028122	60,085.90	92	100	FSSQQAATK	K	Q	967.4843
1868	LDHB L-lactate dehydrogenase B chain	UPI00219217	36,620.60	92	100	IVVVTAGVR	K	Q	913.5829
1869	LDHB L-lactate dehydrogenase B chain	UPI00219217	36,620.60	92	100	IVVVTAGVR	K	Q	913.5829
1870	PPIA Peptidyl-prolyl cis-trans isomerase A	UPI00419585,UPI00887678	17,994.90	92	118	HTGPGILSMANAGPNTNGSQ FFICTAK	K	T	2,791.33
1871	PPIA Peptidyl-prolyl cis-trans isomerase A	UPI00419585,UPI00887678	17,994.90	92	118	HTGPGILSMANAGPNTNGSQ FFICTAK	K	T	2,807.32
1872	PFN1 Profilin-1	UPI00216691	15,036.30	92	105	STGGAPTFNVTVK	K	T	1,379.72
1873	PCNA Proliferating cell nuclear antigen	UPI00021700	28,751.30	92	110	AEDNADTLALVFEAPNQEK	R	V	2,074.99
1874	QPRT Nicotinate-nucleotide pyrophosphorylase [carboxylatinal]	UPI00300086,UPI00872692	30,797.30	92	102	GPAHCLLLGER	R	V	1,222.64
1875	NUDT1 Isoform p26 of 7,8-dihydro-8-oxoguanine triphosphatase	UPI00004392,UPI00396056,UPI00644344,UPI00759462,UPI00759578	22,533.80	92	107	RELQEESGLTVDALHK	R	V	1,824.95
1876	SSR3 cDNA FLJ52061, highly similar to Translocon-associated protein subunit gamma	UPI00009235	22,593.20	93	102	EDAVSKEVTR	R	K	1,133.58
1877	HNRNPA1 Isoform A1-B of Heterogeneous nuclear ribonucleoprotein A1	UPI00215965,UPI00465365	38,828.10	93	105	EDSQRPGAHLTVK	R	K	1,437.74
1878	MRPL43 Isoform 4 of 39S ribosomal protein L43, mitochondrial	UPI00428288	17,834.70	93	103	SVEEISTLVQK	K	L	1,232.67
1879	HNRNPAB Isoform 3 of Heterogeneous nuclear ribonucleoprotein A/B	UPI00334713	30,570.20	93	102	FGEVVDCTIK	K	M	1,167.57
1880	HNRNPAB Isoform 3 of Heterogeneous nuclear ribonucleoprotein A/B	UPI00334713	30,570.20	93	102	FGEVVDCTIK	K	M	1,167.57
1881	SAMM50 Sorting and assembly machinery component 50 homolog	UPI00412713,UPI00871854	51,959.50	93	97	LGIFR	R	Q	605.377
1882	ENO1 Isoform alpha-enolase of Alpha-enolase	UPI00465248	47,152.20	93	103	LMIEMDGTENK	K	S	1,296.58
1883	PRDX1 Peroxiredoxin-1	UPI00000874	22,092.90	93	110	KQGGLGPMNIPLVSDPKR	K	T	1,923.05
1884	NUDT1 Isoform p26 of 7,8-dihydro-8-oxoguanine triphosphatase	UPI00004392,UPI00396056,UPI00644344,UPI00759462,UPI00759578	22,533.80	93	107	ELQEESGLTVDALHK	R	V	1,668.84
1885	PFDN4 Prefoldin subunit 4	UPI00015891	15,296.60	93	104	NLQEEIDALESR	K	V	1,416.70
1886	STIP1 Stress-induced-phosphoprotein 1	UPI00013894,UPI00871856	62,624.10	94	109	TYEEGLKHEANNPQLK	R	E	1,870.93
1887	METTL7A Methyltransferase-like protein 7A	UPI00022300	28,301.60	94	105	VTCIDPNPNFEK	R	F	1,433.67
1888	PEBP1 Phosphatidylethanolamine-binding protein 1	UPI00219446	21,038.90	94	113	GNDISSGTVLSDYVGSPPK	K	G	1,949.95
1889	PHB Prohibitin	UPI00017334,UPI00791634	29,786.60	94	105	ILFRPVASQLPR	R	I	1,396.84
1890	H2BFS Histone H2B type F-S	UPI00477495,UPI00816252	13,926.60	94	100	EIQTAVR	R	L	816.4574
1891	H2BFS Histone H2B type F-S	UPI00477495,UPI00816252	13,926.60	94	100	EIQTAVR	R	L	816.4574
1892	RFC4 Replication factor C subunit 4	UPI00017381,UPI00792595	39,664.50	94	102	ELFGPELFR	R	L	1,107.58
1893	MRLC2 Myosin regulatory light chain MRLC2	UPI00033494,UPI00220573,UPI00604523	19,762.30	94	104	LNGTDPEDVIR	K	N	1,228.62
1894	RPA2 Isoform 1 of Replication protein A 32 kDa subunit	UPI00013939,UPI00646500,UPI00647667	29,228.70	94	105	IDDMTAAPMDVR	K	Q	1,366.60
1895	DDI2 Isoform 3 of Protein DDI1 homolog 2	UPI00031618,UPI00796836,UPI00845258	46,553.90	94	108	IDFSSIAVPGTSSPR	R	Q	1,533.79
1896	RBMX Heterogeneous nuclear ribonucleoprotein G	UPI00304692	42,315.70	94	101	RGPPPPPR	R	S	873.5055
1897	RBMX Heterogeneous nuclear ribonucleoprotein G	UPI00304692	42,315.70	94	101	RGPPPPPR	R	S	873.5055
1898	RBMX Heterogeneous nuclear ribonucleoprotein G	UPI00304692	42,315.70	94	101	RGPPPPPR	R	S	873.5055
1899	RBMX Heterogeneous nuclear ribonucleoprotein G	UPI00304692	42,315.70	94	101	RGPPPPPR	R	S	873.5055
1900	AK2 Isoform 1 of Adenylate kinase isoenzyme 2, mitochondrial	UPI00215901	26,461.00	94	103	NGFLLDGFPR	K	T	1,135.59
1901	AK2 Isoform 1 of Adenylate kinase isoenzyme 2, mitochondrial	UPI00215901	26,461.00	94	103	NGFLLDGFPR	K	T	1,135.59

1902	BTF3 Isoform 1 of Transcription factor BTF3	IPI00221035	22,150.30	94	122	KLGVNNSIGIEEVNMFTNQGT	K	V	3,230.63
1903	PEBP1 Phosphatidylethanolamine-binding protein 1	IPI00219446	21,038.90	94	119	VIHFNNPK GNDISSGTVLSDYVGSPPK	K	Y	2,571.28
1904	GDI2 cDNA FLJ60299, highly similar to Rab GDP dissociation inhibitor beta	IPI00031461	51,138.50	94	102	GTGLHR MLLYTEVTR	K	Y	1,125.60
1905	GDI2 cDNA FLJ60299, highly similar to Rab GDP dissociation inhibitor beta	IPI00031461	51,138.50	94	102	MLLYTEVTR	K	Y	1,125.60
1906	UTP18 U3 small nucleolar RNA-associated protein 18 homolog	IPI00000733	64,046.80	95	106	LRLEEDKPAVER	R	C	1,454.80
1907	CSTF3 Cleavage stimulation factor 77 kDa subunit	IPI00015195	82,906.20	95	102	VLHIDLWK	K	C	1,023.60
1908	DNAJB6 Isoform A of DnaJ homolog subfamily B member 6	IPI00024523	36,070.20	95	101	NPDDVFR	R	E	862.4054
1909	RPSA 33 kDa protein	IPI00413108,IPI00553164,IPI00793137,IPI00847766	33,295.50	95	107	FAAATGATPIAGR	K	F	1,203.65
1910	PNO1 RNA-binding protein PNO1	IPI00024524	27,907.30	95	108	IFTPIVEHLGLQIR	K	F	1,635.96
1911	KPNA1 Importin subunit alpha-1	IPI00303292	60,232.00	95	105	SPEQQLSATQK	K	F	1,216.62
1912	H1FX Histone H1x	IPI00021924	22,469.90	95	106	ALVQNDTLLQVK	K	G	1,341.77
1913	SPR Sepiapterin reductase	IPI00017469	28,031.50	95	109	LLLINNAGSLGDVSK	R	G	1,513.86
1914	YWHAE 14-3-3 protein epsilon	IPI00000816	29,157.00	95	106	LICCDILDVLDK	K	H	1,476.74
1915	POLR2G DNA-directed RNA polymerase II subunit RPB7	IPI00218895	19,276.60	95	110	VGLFTEIGPMSCFISR	K	H	1,829.89
1916	NUP37 Nucleoporin Nup37	IPI00171665	36,689.20	95	103	FCTSAADMK	K	I	1,046.43
1917	PABPC1 Isoform 1 of Polyadenylate-binding protein 1	IPI00008524	70,653.30	95	104	KSGVGNFIK	R	N	1,062.63
1918	PABPC4 Isoform 1 of Polyadenylate-binding protein 4	IPI00012726,IPI00555747,IPI00642904,IPI00642944	70,765.80	95	104	KSGVGNVFIK	R	N	1,048.62
1919	PDAP1 28 kDa heat- and acid-stable phosphoprotein	IPI00013297	20,612.80	95	109	KVTQLDLDPKELSR	K	R	1,698.94
1920	SERPINH1 Serpin H1	IPI00032140	46,424.00	95	116	AVLSAEQLRDEEVHAGLGELL	K	S	2,405.28
1921	GCLM Glutamate--cysteine ligase regulatory subunit	IPI00010090	30,709.30	95	107	LFIVESNSSSSTR	K	S	1,426.72
1922	HNRNPM Isoform 1 of Heterogeneous nuclear ribonucleoprotein M	IPI00171903,IPI00383296	77,499.30	95	110	VGEVTVVELLMDAEGK	K	S	1,768.87
1923	ATP5B ATP synthase subunit beta, mitochondrial	IPI00303476	56,542.50	95	109	LVLEVAQHLGESTVR	R	T	1,650.92
1924	TBCB Tubulin folding cofactor B	IPI00293126	27,307.50	95	103	LGEYEDVSR	R	V	1,067.50
1925	BTF3 Isoform 1 of Transcription factor BTF3	IPI00221035	22,150.30	95	122	LGVNNSIGIEEVNMFTNQGT	K	V	3,102.53
1926	YWHAE 14-3-3 protein epsilon	IPI00000816	29,157.00	95	118	IHFNNPK LICCDILDVLDKHLIPAANTGE	K	V	2,695.38
1927	RPS3 40S ribosomal protein S3	IPI00011253	26,670.50	95	106	GLCAIAQAESLR	R	Y	1,288.67
1928	RPS3 40S ribosomal protein S3	IPI00011253	26,670.50	95	106	GLCAIAQAESLR	R	Y	1,288.67
1929	TBCB Tubulin folding cofactor B	IPI00293126	27,307.50	95	106	LGEYEDVSRVEK	R	Y	1,423.71
1930	CHCHD3 Coiled-coil-helix-coiled-coil-helix domain-containing protein 3, mitochondrial	IPI00015833	26,134.50	96	104	AAANEQLTR	R	A	973.5061
1931	STUB1 Isoform 1 of STIP1 homology and U box-containing protein 1	IPI00025156	34,839.00	96	119	AHFFLGQCQLEMESYDEAIA	K	A	2,886.32
1932	FIS1 Mitochondrial fission 1 protein	IPI00007052	16,920.30	96	108	NLQR GLLQTEPQNNQAK	R	E	1,440.74
1933	SRM Spermidine synthase	IPI00292020	33,806.50	96	109	KVLIIGGGDGGVLR	R	E	1,353.82
1934	PRIM1 DNA primase small subunit	IPI00027704,IPI00793754	49,885.70	96	104	LGAFQAQEK	K	E	991.5208
1935	CLIC1 Chloride intracellular channel protein 1	IPI00010896	26,905.30	96	113	LAALNPESNTAGLDIFAK	K	F	1,844.98
1936	EEF1G cDNA FLJ56389, highly similar to Elongation factor 1-gamma	IPI00000875,IPI00747497	56,132.90	96	101	TPEFLR	R	K	762.4145
1937	EEF1D Elongation factor 1-delta	IPI00023048	31,103.90	96	107	GVVQELQQAISK	R	L	1,299.73
1938	EEF1D Elongation factor 1-delta	IPI00023048	31,103.90	96	107	GVVQELQQAISK	R	L	1,299.73
1939	PABPC1 Isoform 1 of Polyadenylate-binding protein 1	IPI00008524	70,653.30	96	104	SGVGNFIK	K	N	934.5357
1940	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	96	107	ADLNNLGTIAK	K	S	1,242.71
1941	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	96	107	ADLNNLGTIAK	K	S	1,242.71

1942	HSP90AB1 Heat shock protein HSP 90-beta	IP100414676	83,249.30	96	107	ADLNNLGTIAK	K	S	1,242.71
1943	HSP90AB1 Heat shock protein HSP 90-beta	IP100414676	83,249.30	96	107	ADLNNLGTIAK	K	S	1,242.71
1944	HSP90AB1 Heat shock protein HSP 90-beta	IP100414676	83,249.30	96	107	ADLNNLGTIAK	K	S	1,242.71
1945	HSP90AB1 Heat shock protein HSP 90-beta	IP100414676	83,249.30	96	107	ADLNNLGTIAK	K	S	1,242.71
1946	VCP Transitional endoplasmic reticulum ATPase	IP100022774	89,306.80	96	109	LGDVISIQPCPDVK	R	Y	1,540.80
1947	PSMA7 Isoform 1 of Proteasome subunit alpha type-7	IP100024175	27,869.10	96	109	LTVEDPVTVEYITR	R	Y	1,634.86
1948	HIST1H4H;HIST2H4A;HIST4H4;HIST1H4F;HIST1H4D;HIST1H4K;HIST1H4C;HIST1H4J;HIST1H4A;HIST1H4I;HIST1H4B;HIST2H4B;HIST1H4E;HIST1H4I. Histone H4	IP100453473	11,349.70	97	103	TLYGFGG	R	-	714.3458
1949	SF3A3 Splicing factor 3A subunit 3	IP100029764	58,833.30	97	115	KHPNEICVPMSEFEELLK	R	A	2,299.15
1950	PSAT1 cDNA FLJ56437, highly similar to Phosphoserine aminotransferase	IP100001734	45,338.10	97	106	IINNTENLVR	K	E	1,185.66
1951	SRM Spermidine synthase	IP100292020	33,806.50	97	109	VLIIGGGDGGVLR	K	E	1,225.73
1952	WARS Tryptophanyl-tRNA synthetase, cytoplasmic	IP100295400	53,149.60	97	106	GIDYDKLIVR	K	F	1,191.67
1953	ARL6IP1 ADP-ribosylation factor-like protein 6-interacting protein 1	IP100014232	23,345.50	97	104	WTTEQQQR	K	F	1,076.51
1954	TUBA1A Tubulin alpha-1A chain	IP100180675	50,117.70	97	105	EDAANNYAR	K	G	1,023.45
1955	TUBA1A Tubulin alpha-1A chain	IP100180675	50,117.70	97	105	EDAANNYAR	K	G	1,023.45
1956	TUBA1C Tubulin alpha-1C chain	IP100218343	49,877.40	97	105	EDAANNYAR	K	G	1,023.45
1957	TUBA1B Tubulin alpha-1B chain	IP100387144,IP100792677	50,133.70	97	105	EDAANNYAR	K	G	1,023.45
1958	RPL17;LOC100133931 60S ribosomal protein L17	IP100413324,IP100478208	21,379.40	97	105	NAESNAELK	K	G	975.4741
1959	LASP1 Isoform 1 of LIM and SH3 domain protein 1	IP100000861,IP100386803,IP100883946	29,698.80	97	109	GFSVVADTPELQR	K	I	1,418.73
1960	LASP1 Isoform 1 of LIM and SH3 domain protein 1	IP100000861,IP100386803,IP100883946	29,698.80	97	109	GFSVVADTPELQR	K	I	1,418.73
1961	HMGB2 High mobility group protein B2	IP100219097	24,016.60	97	112	RPPSAFFLFCSEHRPK	K	I	1,976.00
1962	PRPF18 Isoform 1 of Pre-mRNA-splicing factor 18	IP100021146,IP100644341	39,843.60	97	108	LFGETDYDAFQR	R	L	1,461.66
1963	TAF9 Adenylate kinase isoenzyme 6	IP100032879,IP100556532	20,043.80	97	105	TDTNVLYER	R	L	1,110.54
1964	VDAC1 Voltage-dependent anion-selective channel protein 1	IP100216308	30,755.90	97	110	LTFDSSFSPNTGKK	K	N	1,528.76
1965	LRRC59 Leucine-rich repeat-containing protein 59	IP100396321	34,913.40	97	108	LVTLPVPSFAQLK	K	N	1,315.80
1966	ELMOD2 ELMO domain-containing protein 2	IP100217918	34,944.20	97	106	MCLLQITGYK	K	Q	1,242.62
1967	LBR Lamin-B receptor	IP100292135,IP100645733,IP100647596	70,688.30	97	110	SASASHQADIKEAR	R	R	1,470.73
1968	ABCE1 ATP-binding cassette sub-family E member 1	IP100303207	67,298.40	97	116	LPIPRPGEVGLVGTNGIGK	R	S	1,987.17
1969	VDAC3 Isoform 1 of Voltage-dependent anion-selective channel protein 3	IP100031804,IP100294779	30,641.90	97	110	LTLDTIFVPNTGKK	K	S	1,546.88
1970	HSPD1 60 kDa heat shock protein, mitochondrial	IP100784154	61,037.70	97	121	LVQDVANNTNEEAGDGTTTAT VLAR	K	S	2,560.25
1971	RFC5 Replication factor C subunit 5	IP100031514,IP100373883	38,480.40	97	112	GIDIIRGPILSFASTR	R	T	1,715.98
1972	TPI1 Isoform 1 of Triosephosphate isomerase	IP100465028	30,772.80	97	106	IAVAAQCNCYK	K	V	1,137.57
1973	BASP1 Brain acid soluble protein 1	IP100299024	22,675.30	98	121	AEPKAPQEQAAPGPAAGG EAPK	K	A	2,298.14
1974	PGK1 Phosphoglycerate kinase 1	IP100169383	44,597.30	98	106	DCVGPEVEK	K	A	1,032.47
1975	MAT2B Isoform 1 of Methionine adenosyltransferase 2 subunit beta	IP100002324	37,533.60	98	122	RPDVVENQPDAASQLNVDAS	R	E	2,608.30
1976	SFRS12 Isoform 1 of Splicing factor, arginine/serine-rich 12	IP100103497,IP100375462	59,364.20	98	107	GNLAK MAGDETQPTR	R	F	1,105.49
1977	PREPL Isoform 1 of Prolyl endopeptidase-like	IP100442171,IP100880064	83,911.80	98	116	TKLETQPQEEYEIINVEVK	R	H	2,290.18
1978	PRKAR1A cAMP-dependent protein kinase type I-alpha regulatory subunit	IP100021831	42,964.40	98	115	GAISAEVYTEEDAASYVR	R	K	1,930.90
1979	HIST1H1C Histone H1.2	IP100217465	21,347.80	98	106	GTGASGSFK	K	L	811.3945
1980	CTTN Src substrate cortactin	IP100029601	61,567.40	98	107	SAVGHEYQSK	K	L	1,105.53
1981	TIMM23 Mitochondrial import inner membrane translocase subunit Tim23	IP100007309	21,926.20	98	112	LGLKETQNMMAWSKPR	R	N	1,758.93
1982	PRDX6 Peroxiredoxin-6	IP100220301	25,018.10	98	106	LPFPIIDDR	K	N	1,085.60
1983	PRDX6 Peroxiredoxin-6	IP100220301	25,018.10	98	106	LPFPIIDDR	K	N	1,085.60

1984	AURKA Serine/threonine-protein kinase 6	IPI00298940	45,791.80	98	117	SKQPLPSAPENNPEEELASK	K	Q	2,165.07
1985	EIF31 Eukaryotic translation initiation factor 3 subunit 1	IPI00012795	36,484.00	98	114	TCGFDFGGNIIMFSTDK	R	Q	1,925.84
1986	TLL3;ARPC4 Actin-related protein 2/3 complex subunit 4	IPI00554811,IPI00790262	19,649.40	98	105	AENFFILR	R	R	1,009.55
1987	AK1 Adenylate kinase isoenzyme 1	IPI00018342,IPI00640817	21,617.10	98	107	EVQQGEEFER	R	R	1,250.56
1988	MRTO4 mRNA turnover protein 4 homolog	IPI00106491	27,543.20	98	107	GEVGLLFTNR	R	T	1,105.60
1989	GIN52 DNA replication complex GINS protein PSF2	IPI00007146	21,410.80	98	114	LLLNHASDNIPKADEIR	K	T	1,919.03
1990	EDF1 Isoform 1 of Endothelial differentiation-related factor 1	IPI00021570	16,351.00	99	113	INEKPQVIADYESGR	K	A	1,718.87
1991	TPD52 tumor protein D52 isoform 2	IPI00619951,IPI00619958,IPI00873344,IPI00896474	22,459.40	99	109	TSETLSQAGQK	K	A	1,149.57
1992	RPL18A 60S ribosomal protein L18a	IPI00026202	20,744.60	99	111	DLTTAGAVTQCYR	R	D	1,455.69
1993	HNRNPA0 Heterogeneous nuclear ribonucleoprotein A0	IPI00011913	30,822.50	99	106	KLFFVGGGLK	K	G	861.5558
1994	RPS7 40S ribosomal protein S7	IPI00013415	22,109.50	99	106	RILPKPTR	R	K	980.6365
1995	HNRNPF Heterogeneous nuclear ribonucleoprotein F	IPI00003881	45,653.80	99	114	HSGPNSADSANDGFVR	K	L	1,630.72
1996	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	99	114	HTGPNPDTANDGFVR	K	L	1,684.77
1997	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	99	114	HTGPNPDTANDGFVR	K	L	1,684.77
1998	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	99	114	HTGPNPDTANDGFVR	K	L	1,684.77
1999	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	99	114	HTGPNPDTANDGFVR	K	L	1,684.77
2000	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	99	114	HTGPNPDTANDGFVR	K	L	1,684.77
2001	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	99	114	HTGPNPDTANDGFVR	K	L	1,684.77
2002	HNRNPH2 Heterogeneous nuclear ribonucleoprotein H2	IPI00026230	49,246.10	99	114	HTGPNPDTANDGFVR	K	L	1,684.77
2003	HNRNPH2 Heterogeneous nuclear ribonucleoprotein H2	IPI00026230	49,246.10	99	114	HTGPNPDTANDGFVR	K	L	1,684.77
2004	ARL5B ADP-ribosylation factor-like protein 5B	IPI00102036	20,357.10	99	108	LAITKEELYR	R	M	1,235.70
2005	AIFM1 Isoform 1 of Apoptosis-inducing factor 1, mitochondrial	IPI00000690,IPI00157908	66,883.50	99	109	ISGLGLTPEQK	R	Q	1,142.64
2006	RPS8 40S ribosomal protein S8	IPI00216587,IPI00872430	24,188.40	99	110	NCIVLIDSTPYR	K	Q	1,450.74
2007	RPS8 40S ribosomal protein S8	IPI00216587,IPI00872430	24,188.40	99	110	NCIVLIDSTPYR	K	Q	1,450.74
2008	RPS7 40S ribosomal protein S7	IPI00013415	22,109.50	99	107	RILPKPTRK	R	S	1,108.73
2009	SAE1 SUMO-activating enzyme subunit 1	IPI00033130,IPI00640965,IPI00647006	38,432.10	99	109	AQNLNPMVDVK	R	V	1,244.63
2010	SAE1 SUMO-activating enzyme subunit 1	IPI00033130,IPI00640965,IPI00647006	38,432.10	99	109	AQNLNPMVDVK	R	V	1,244.63
2011	PREP Prolyl endopeptidase	IPI00008164	80,683.50	99	111	VLYVQDSLEGEAR	R	V	1,478.75
2012	GDI1 Rab GDP dissociation inhibitor alpha	IPI00010154,IPI00910113	50,566.10	99	103	YLDFK	R	V	685.3556
2013	NONO Non-POU domain-containing octamer-binding protein	IPI00304596	54,213.60	100	107	AGEVFIHK	K	D	900.4938
2014	C10orf58 Uncharacterized protein C10orf58	IPI00296190,IPI00646289,IPI00646889	25,747.50	100	114	SMLDQLGVPLYAVVK	K	E	1,648.90
2015	NONO Non-POU domain-containing octamer-binding protein	IPI00304596	54,213.60	100	109	AGEVFIHKDK	K	G	1,143.62
2016	ILKAP Integrin-linked kinase-associated serine/threonine phosphatase 2C	IPI00006164	42,889.20	100	108	ASSVIFGLK	K	G	921.5404
2017	PFDN2 Prefoldin subunit 2	IPI00006052	16,629.80	100	111	IETLTQQLQAK	K	G	1,385.80
2018	HNRNPA2B1 43 kDa protein	IPI00874030	43,234.30	100	107	NYEQWGK	R	L	1,087.48
2019	ARF4 ADP-ribosylation factor 4	IPI00215918	20,493.60	100	109	IQEVADELQK	R	M	1,172.62
2020	ANP32E Acidic leucine-rich nuclear phosphoprotein 32 family member E	IPI00165393	30,675.30	100	113	IKDLSTVEALQNLK	K	N	1,571.90
2021	RPL12 Isoform 1 of 60S ribosomal protein L12	IPI00024933	17,801.10	100	114	HSGNITFDEIVNIAR	K	Q	1,685.86
2022	PSMB3 Proteasome subunit beta type-3	IPI00028004	22,931.60	100	115	FGPYYTEPVIAGLDPK	R	T	1,766.90
2023	TNPO1 transportin 1 isoform 1	IPI00024364,IPI00843876	102,340.80	101	115	SECLNIGDSSPLIR	K	A	1,674.81

2024	COMMD4 Isoform 1 of COMM domain-containing protein 4	IPI00413500,IPI00852907	21,746.70	101	108	EHAASLCR	K	C	943.4414
2025	HIST3H2BB Histone H2B type 3-B	IPI00166293	13,890.60	101	109	LLLPGELAK	R	H	953.6032
2026	H2BFS Histone H2B type F-S	IPI00477495,IPI00816252	13,926.60	101	109	LLLPGELAK	R	H	953.6032
2027	H2BFS Histone H2B type F-S	IPI00477495,IPI00816252	13,926.60	101	109	LLLPGELAK	R	H	953.6032
2028	H2BFS Histone H2B type F-S	IPI00477495,IPI00816252	13,926.60	101	109	LLLPGELAK	R	H	953.6032
2029	HIST1H2BJ Histone H2B type 1-J	IPI00515061	13,886.70	101	109	LLLPGELAK	R	H	953.6032
2030	XRCC6 ATP-dependent DNA helicase 2 subunit 1	IPI00644712	69,828.40	101	115	NIYVLQELDNPGAKR	K	I	1,729.92
2031	- cDNA FLJ54408, highly similar to Heat shock 70 kDa protein 1	IPI00911039	63,907.90	101	116	QATKDAGVIAGLNVLR	R	I	1,625.93
2032	HIST1H2AB;HIST1H2AE Histone H2A type 1-B/E	IPI00026272,IPI00031562,IPI00216456	14,118.00	101	119	VTIAQGGVLPNIQAVLLPK	R	K	1,931.17
2033	HIST1H2AB;HIST1H2AE Histone H2A type 1-B/E	IPI00026272,IPI00031562,IPI00216456	14,118.00	101	119	VTIAQGGVLPNIQAVLLPK	R	K	1,931.17
2034	HIST1H2AB;HIST1H2AE Histone H2A type 1-B/E	IPI00026272,IPI00031562,IPI00216456	14,118.00	101	119	VTIAQGGVLPNIQAVLLPK	R	K	1,931.17
2035	HIST1H2AH Histone H2A type 1-H	IPI00081836,IPI00216457,IPI00220855,IPI00255316,IPI00291764,IPI00339274,IPI00552873,IPI00902514	13,888.80	101	119	VTIAQGGVLPNIQAVLLPK	K	K	1,931.17
2036	HIST1H2AH Histone H2A type 1-H	IPI00081836,IPI00216457,IPI00220855,IPI00255316,IPI00291764,IPI00339274,IPI00552873,IPI00902514	13,888.80	101	119	VTIAQGGVLPNIQAVLLPK	K	K	1,931.17
2037	MAP2K2 Dual specificity mitogen-activated protein kinase kinase 2	IPI00003783	44,407.20	101	112	KLIHLEIKPAIR	R	N	1,430.92
2038	SNAP23 Isoform SNAP-23a of Synaptosomal-associated protein 23	IPI00010438	23,336.80	101	117	TTWGDGGENSPCNVVS	K	Q	1,807.79
2039	XRCC6 ATP-dependent DNA helicase 2 subunit 1	IPI00644712	69,828.40	101	114	NIYVLQELDNPGAK	K	R	1,573.82
2040	HIST1H2AB;HIST1H2AE Histone H2A type 1-B/E	IPI00026272,IPI00031562,IPI00216456	14,118.00	101	120	VTIAQGGVLPNIQAVLLPKK	R	T	2,059.26
2041	HIST1H2AH Histone H2A type 1-H	IPI00081836,IPI00216457,IPI00220855,IPI00255316,IPI00291764,IPI00339274,IPI00552873,IPI00902514	13,888.80	101	120	VTIAQGGVLPNIQAVLLPKK	K	T	2,059.26
2042	GRB2 Isoform 1 of Growth factor receptor-bound protein 2	IPI00021327	25,188.80	101	109	FGNDVQHFK	K	V	1,091.53
2043	RPL21;LOC729402 60S ribosomal protein L21	IPI00247583,IPI00887074,IPI00888913	18,547.00	101	108	SRDSFLKR	K	V	1,008.56
2044	LY6G5B;CSNK2B Casein kinase II subunit beta	IPI00010865,IPI00640088	24,924.90	101	111	YQQGDFGYCPR	K	V	1,390.58
2045	METTL11A Chromosome 9 open reading frame 32	IPI00515040,IPI00549389	15,878.80	102	110	TYLGEEGKR	K	A	1,052.54
2046	RPS12 40S ribosomal protein S12	IPI00013917,IPI00847579	14,507.70	102	112	KVVGCSCVVVK	R	D	1,234.66
2047	SUB1 Activated RNA polymerase II transcriptional coactivator p15	IPI00221222	14,377.90	102	114	GISLNPEQWSQLK	K	E	1,499.79
2048	PDRG1 p53 and DNA damage-regulated protein 1	IPI00027887	15,493.60	102	112	LFEAQGKPELK	R	G	1,259.70
2049	PCBP2 poly(rC) binding protein 2 isoform b	IPI00012066,IPI00790627	38,204.50	102	115	LVPASQCGSLIGK	R	G	1,428.79
2050	PCBP2 poly(rC) binding protein 2 isoform b	IPI00012066,IPI00790627	38,204.50	102	115	LVPASQCGSLIGK	R	G	1,428.79
2051	PCBP1 Poly(rC)-binding protein 1	IPI00016610	37,480.20	102	115	LVPATQCGSLIGK	R	G	1,442.80
2052	PCBP1 Poly(rC)-binding protein 1	IPI00016610	37,480.20	102	115	LVPATQCGSLIGK	R	G	1,442.80
2053	PCBP1 Poly(rC)-binding protein 1	IPI00016610	37,480.20	102	115	LVPATQCGSLIGK	R	G	1,442.80
2054	PCBP1 Poly(rC)-binding protein 1	IPI00016610	37,480.20	102	115	LVPATQCGSLIGK	R	G	1,442.80
2055	DDX3X ATP-dependent RNA helicase DDX3X	IPI00215637	73,227.70	102	110	SDYDGIGSR	R	G	969.4273
2056	UBE2S Ubiquitin-conjugating enzyme E2 S	IPI00217949	23,828.40	102	110	DWTAELGIR	R	H	1,060.54
2057	UBE2S Ubiquitin-conjugating enzyme E2 S	IPI00217949	23,828.40	102	110	DWTAELGIR	R	H	1,060.54
2058	RPL10 60S ribosomal protein L10	IPI00554723,IPI00646899,IPI00853161	24,586.60	102	110	MLSCAGADR	K	L	996.4238
2059	ANP32E Acidic leucine-rich nuclear phosphoprotein 32 family member E	IPI00165393	30,675.30	102	113	DLSTVEALQNLK	K	N	1,330.72
2060	MAP2K2 Dual specificity mitogen-activated protein kinase kinase 2	IPI00003783	44,407.20	102	112	LIHLEIKPAIR	K	N	1,302.83
2061	POLR2E DNA-directed RNA polymerases I, II, and III subunit RPABC1	IPI00291093	24,533.40	102	115	ALIVVQQGMTPSAK	R	Q	1,458.80
2062	TKT cDNA FLJ54957, highly similar to Transketolase	IPI00643920	68,725.40	102	114	KISSDLDGHPVVK	R	Q	1,392.75
2063	RPL22 60S ribosomal protein L22	IPI00219153,IPI00878392	14,769.30	102	113	VVANSKESYELR	R	Y	1,394.73
2064	PRDX5 Isoform Mitochondrial of Peroxiredoxin-5, mitochondrial	IPI00024915,IPI00759663,IPI00876999	22,008.30	103	116	THLPGFVEQAEALK	K	A	1,539.82
2065	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	103	112	VQVSYKGETK	K	A	1,138.61
2066	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	103	112	VQVSYKGETK	K	A	1,138.61
2067	NOC4L Nucleolar complex protein 4 homolog	IPI00031661	58,451.40	103	115	LGELLGHPSFQVK	R	E	1,424.79

2068	HSPA5 HSPA5 protein	IPI00003362	72,405.60	103	114	TWNDPSVQQDIK	R	F	1,430.69
2069	HSP90B1 Endoplasmic	IPI00027230	92,453.70	103	114	ELISNASDALDK	R	I	1,275.64
2070	FN3KRP Ketosamine-3-kinase	IPI00099986	34,394.70	103	115	LGAQLADLHLDNK	K	K	1,407.76
2071	HSP90B1 Endoplasmic	IPI00027230	92,453.70	103	116	ELISNASDALDKIR	R	L	1,544.83
2072	RAC1 Isoform A of Ras-related C3 botulinum toxin substrate 1	IPI00010271,IPI00219675	21,432.60	103	116	HHCNPNTPIILVGTK	R	L	1,586.85
2073	UAP1 Isoform AGX2 of UDP-N-acetylhexosamine pyrophosphorylase	IPI00000684,IPI00217816,IPI00607787,IPI00646967	58,751.50	103	115	VAVLLLAGGQGTR	K	L	1,254.75
2074	MORF4L2 Mortality factor 4-like protein 2	IPI00014174	32,290.70	103	118	ARADPTVESEEFKNR	R	M	1,819.89
2075	PGRMC2 Membrane-associated progesterone receptor component 2	IPI00005202	26,152.90	103	121	GLGAGAGAGEESPATSLPR	R	M	1,697.85
2076	RPS19 40S ribosomal protein S19	IPI00215780	16,042.50	103	111	VLQALEGLK	R	M	970.5933
2077	SNRPD2 Small nuclear ribonucleoprotein Sm D2	IPI00017963	13,509.10	103	111	GDSVIVVLR	R	N	957.5728
2078	RPS25 40S ribosomal protein S25	IPI00012750	13,725.00	103	111	HRAQVIYTR	K	N	1,143.64
2079	TKT cDNA FLJ54957, highly similar to Transketolase	IPI00643920	68,725.40	103	114	ISSDLDGHPVPK	K	Q	1,264.65
2080	RFC5 Replication factor C subunit 5	IPI00031514,IPI00373883	38,480.40	103	112	GPILSFASTR	R	T	1,048.58
2081	CTPS CTP synthase 1	IPI00290142	66,672.70	103	109	KGDYLGK	R	T	780.4252
2082	RPL21;LOC729402 60S ribosomal protein L21	IPI00247583,IPI00887074,IPI00888913	18,547.00	103	108	DSFLKR	R	V	765.4254
2083	GDI2 cDNA FLJ60299, highly similar to Rab GDP dissociation inhibitor beta	IPI00031461	51,138.50	103	107	YLDFK	R	V	685.3556
2084	GDI2 cDNA FLJ60299, highly similar to Rab GDP dissociation inhibitor beta	IPI00031461	51,138.50	103	107	YLDFK	R	V	685.3556
2085	LAGE3 L antigen family member 3	IPI00032314	14,785.70	103	107	ILVVR	R	W	599.4239
2086	SFRS11 Splicing factor, arginine/serine-rich 11	IPI00464952,IPI00641287,IPI00641957	53,525.70	104	120	ALIVVPYAEGVIPDEAK	R	A	1,783.98
2087	ENO2 Gamma-enolase	IPI00216171	47,251.70	104	120	SKFGANAILGVSLAVCK	K	A	1,734.96
2088	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	104	120	SKFGANAILGVSLAVCK	K	A	1,734.96
2089	EMD Emerin	IPI00032003	28,976.90	104	115	TYGEPESAGPSR	R	A	1,250.56
2090	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	104	122	GHYTEGAELVDSVLDVVRK	K	E	2,087.08
2091	TUBB Tubulin beta chain	IPI00011654	49,652.60	104	122	GHYTEGAELVDSVLDVVRK	K	E	2,087.08
2092	TUBB2A Tubulin beta-2A chain	IPI00013475,IPI00031370	49,889.10	104	122	GHYTEGAELVDSVLDVVRK	K	E	2,087.08
2093	EIF2S3 Eukaryotic translation initiation factor 2 subunit 3	IPI00297982	51,092.20	104	121	SCGSSTPDEFPTDIPGTK	R	G	1,895.83
2094	CSNK1E Casein kinase I isoform epsilon	IPI00027729	47,299.00	104	115	TVLLADQMISR	K	I	1,375.76
2095	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	104	121	GHYTEGAELVDSVLDVVR	K	K	1,958.98
2096	TUBB Tubulin beta chain	IPI00011654	49,652.60	104	121	GHYTEGAELVDSVLDVVR	K	K	1,958.98
2097	TUBB2A Tubulin beta-2A chain	IPI00013475,IPI00031370	49,889.10	104	121	GHYTEGAELVDSVLDVVR	K	K	1,958.98
2098	RPL13A 60S ribosomal protein L13a	IPI00304612,IPI00398964	23,559.90	104	115	VFDGIPPPYDKK	K	K	1,375.73
2099	MCTS1 Isoform 1 of Malignant T cell amplified sequence 1	IPI00179026	20,537.90	104	122	FVLSGANIMCPGLTSPGAK	K	L	1,935.97
2100	MCTS1 Isoform 1 of Malignant T cell amplified sequence 1	IPI00179026	20,537.90	104	122	FVLSGANIMCPGLTSPGAK	K	L	1,935.97
2101	RPL13 60S ribosomal protein L13	IPI00465361	24,244.20	104	116	NKSTESLQANVQR	R	L	1,474.76
2102	MORF4L1 cDNA FLJ38504 fis, clone HCHON2000156, highly similar to Mortality factor 4-like protein 1	IPI00550968	40,011.50	104	113	ANQEYQAEK	K	M	1,137.52
2103	HEBP1 Heme-binding protein 1	IPI00148063	21,079.40	104	118	IPNQFQSDPPAPSDK	R	S	1,640.79
2104	OCIAD1 Isoform 1 of OCIA domain-containing protein 1	IPI00016405	27,608.80	104	115	KLENSPLGEALR	K	S	1,326.74
2105	PDLIM1 PDZ and LIM domain protein 1	IPI00010414	36,053.30	104	122	MNLASEPQEVHLIGSAHNR	K	S	2,103.04
2106	HSD17B12 Estradiol 17-beta-dehydrogenase 12	IPI00007676	34,307.40	104	119	TIAVDFASEDIDYDKIK	R	T	1,827.94
2107	YWHAQ 14-3-3 protein theta	IPI00018146	27,747.40	104	115	YLIANATNPESK	K	V	1,320.68
2108	RPS14 40S ribosomal protein S14	IPI00026271	16,254.90	105	117	TKTPGPGAQSALR	R	A	1,283.71
2109	ANXA2P2 Putative annexin A2-like protein	IPI00334627,IPI00455315	38,642.90	105	115	TPAQYDASELK	K	A	1,222.60
2110	RHOC Rho-related GTP-binding protein RhoC	IPI00027434,IPI00647268	21,988.70	105	119	HFCPNVPIILVGNKK	K	D	1,735.97
2111	RFC4 Replication factor C subunit 4	IPI00017381,IPI00792595	39,664.50	105	114	VLELNASDER	R	G	1,145.58

2112	- cDNA FLJ54408, highly similar to Heat shock 70 kDa protein 1	IPI00911039	63,907.90	105	116	DAGVIAGLNVLR	K	I	1,197.70
2113	PSMA6 Proteasome subunit alpha type-6	IPI00029623	27,381.50	105	117	YGYEIPVDMCKR	K	I	1,643.79
2114	TCEA1 Isoform 1 of Transcription elongation factor A protein 1	IPI00333215	33,952.60	105	116	EESTSSGNVSNR	R	K	1,266.56
2115	RAB8A Ras-related protein Rab-8A	IPI00028481	23,651.60	105	116	NIEEHASADVEK	R	M	1,341.63
2116	DUSP3 Dual specificity protein phosphatase 3	IPI00018671,IPI00790757	20,460.80	105	116	AADFIDQALAQK	R	N	1,290.67
2117	RPS25 40S ribosomal protein S25	IPI00012750	13,725.00	105	111	AQVIYTR	R	N	850.4781
2118	RPS25 40S ribosomal protein S25	IPI00012750	13,725.00	105	111	AQVIYTR	R	N	850.4781
2119	ARCN1 Putative uncharacterized protein DKFZp686M09245	IPI00298520,IPI00514053	61,581.40	105	113	LYMVLITTK	K	N	1,097.63
2120	EIF4G2 cDNA FLJ59571, highly similar to Eukarvotic translation initiation factor 4gamma 2	IPI00015952	110,247.70	105	114	TAGNSEFLGK	K	T	1,023.51
2121	MID1 Isoform 1 of Midline-1	IPI00029324,IPI00219026,IPI00647754	75,233.30	105	116	AFDANTMTSAEK	R	V	1,301.57
2122	C16orf80 UPF0468 protein C16orf80	IPI00001655	22,757.60	105	113	ASNYQSTTR	R	V	1,027.48
2123	ENO2 Gamma-enolase	IPI00216171	47,251.70	106	120	FGANAILGVSLAVCK	K	A	1,519.83
2124	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	106	120	FGANAILGVSLAVCK	K	A	1,519.83
2125	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	106	120	FGANAILGVSLAVCK	K	A	1,519.83
2126	NT5C3 Isoform 3 of Cytosolic 5'-nucleotidase 3	IPI00100192,IPI00619911,IPI00647805,IPI00807412	32,672.60	106	117	SHGLLVQQALPK	K	A	1,290.75
2127	PHF19 Isoform 2 of PHD finger protein 19	IPI00152220,IPI00157837,IPI00743344,IPI00879928	22,494.10	106	118	TSGPLNEILICGK	K	C	1,401.74
2128	PGRMC1 Membrane-associated progesterone receptor component 1	IPI00220739	21,654.20	106	119	FYGPPEPGYVFAGR	K	D	1,516.72
2129	MAGOHB Protein mago nashi homolog 2	IPI00059292	17,258.60	106	116	IGSLIDVNQSK	K	D	1,173.65
2130	HNRNPA1 Isoform A1-B of Heterogeneous nuclear ribonucleoprotein A1	IPI00215965,IPI00465365	38,828.10	106	122	KIFVGGIKEDTEEHHLR	K	D	2,008.06
2131	HNRNPA1 Isoform A1-B of Heterogeneous nuclear ribonucleoprotein A1	IPI00215965,IPI00465365	38,828.10	106	113	KIFVGGIK	K	E	861.5558
2132	NP cDNA FLJ25678 fis, clone TST04067, highly similar to PURINE NUCLEOSIDE PHOSPHORYLASE	IPI00017672,IPI00871140	32,533.50	106	127	VFHLLGVDTLVVTNAAGGLNP K	R	F	2,235.25
2133	NME3 Nucleoside diphosphate kinase 3	IPI00012315	18,997.20	106	122	ALIGATNPADAPPGTIR	R	G	1,634.89
2134	- cDNA FLJ54554, highly similar to Pyruvate kinase isozymes M1/M2	IPI00910979	56,255.30	106	121	TGLIKSGTAEVELKK	R	G	1,630.94
2135	TUBA1A Tubulin alpha-1A chain	IPI00180675	50,117.70	106	121	GHYTIGKEIIDLVDR	R	I	1,842.01
2136	TUBA1C Tubulin alpha-1C chain	IPI00218343	49,877.40	106	121	GHYTIGKEIIDLVDR	R	I	1,842.01
2137	TUBA1B Tubulin alpha-1B chain	IPI00387144,IPI00792677	50,133.70	106	121	GHYTIGKEIIDLVDR	R	I	1,842.01
2138	NUDC Nuclear migration protein nudC	IPI00550746	38,225.70	106	114	ELTDEEAER	K	L	1,091.49
2139	NME2 Nucleoside diphosphate kinase B	IPI00026260	17,280.20	106	114	GDFCIQVGR	R	N	1,051.50
2140	RPL10A 60S ribosomal protein L10a	IPI00412579	24,814.00	106	118	KYDAFLASESLIK	K	Q	1,484.80
2141	UCHL1 Ubiquitin carboxyl-terminal hydrolase isozyme L1	IPI00018352	24,806.30	106	115	LGFEDEGSVLK	K	Q	1,064.56
2142	UBL4A Ubiquitin-like protein 4A	IPI00005658	17,758.90	106	114	HFSAADASR	R	V	961.4485
2143	PHB Prohibitin	IPI00017334,IPI00791634	29,786.60	106	117	IFTSIGEDYDER	R	V	1,444.66
2144	MAGOHB Protein mago nashi homolog 2	IPI00059292	17,258.60	106	122	IGSLIDVNQSKDPEGLR	K	V	1,840.98
2145	SDSL Serine dehydratase-like	IPI00062419,IPI00790728,IPI00796370	34,655.20	106	118	LQGEAEVQLTGK	R	V	1,329.70
2146	HNRNPA0 Heterogeneous nuclear ribonucleoprotein A0	IPI00011913	30,822.50	107	126	GDVAEGDLIEHFSQFGTVEK	K	A	2,178.04
2147	CCT7 T-complex protein 1 subunit eta	IPI00018465	59,349.80	107	123	QVKPYVEEGLHPQIIR	K	A	2,019.14
2148	RPS14 40S ribosomal protein S14	IPI00026271	16,254.90	107	117	TPGGAQSALR	K	A	1,054.56
2149	HNRNPA1 Isoform A1-B of Heterogeneous nuclear ribonucleoprotein A1	IPI00215965,IPI00465365	38,828.10	107	122	IFVGGIKEDTEEHHLR	K	D	1,879.97
2150	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	107	122	VTNGAFTGEISPGMIK	K	D	1,637.82
2151	PGK1 Phosphoglycerate kinase 1	IPI00169383	44,597.30	107	123	ACANPAAGSVILLENLR	K	F	1,768.94
2152	NAPA Alpha-soluble NSF attachment protein	IPI00009253	33,216.10	107	116	AIEIYTMGR	R	F	1,184.56
2153	NAPA Alpha-soluble NSF attachment protein	IPI00009253	33,216.10	107	116	AIEIYTMGR	R	F	1,168.57

2154	CROP Isoform 1 of Cisplatin resistance-associated overexpressed protein	IPi00107745	51,449.10	107	128	LALSQNQQSSGAAGPTGKNE R	I	2,215.10
2155	GUK1 Guanylate kinase 1	IPi00514494,IPi00515106,IPi00644488	23,479.80	107	117	VAVQAVQAMNR	K	1,186.64
2156	RPL7 60S ribosomal protein L7	IPi00030179,IPi00472171,IPi00871827	29,209.70	107	113	KVLQLLR	R	869.5932
2157	CMPK1 cytidine monophosphate (UMP-CMP) kinase 1, cytosolic isoform a	IPi00219953	25,837.80	107	118	EMDQTMANAQK	R	1,353.58
2158	IRGQ Immunity-related GTPase family Q protein	IPi00103925	62,700.50	107	114	GTPLLAVR	R	826.5146
2159	ACTR2 Actin-related protein 2	IPi00005159	44,743.70	107	118	ILLTEPPMNPTK	K	1,369.74
2160	CROP Isoform 1 of Cisplatin resistance-associated overexpressed protein	IPi00107745	51,449.10	107	124	LALSQNQQSSGAAGPTGK	R	1,714.87
2161	LDHA Isoform 1 of L-lactate dehydrogenase A chain	IPi00217966	36,671.20	107	112	LNLVQR	R	742.457
2162	TBCB Tubulin folding cofactor B	IPi00293126	27,307.50	107	117	YTISQEAYDQR	K	1,373.63
2163	RPS3 40S ribosomal protein S3	IPi00011253	26,670.50	107	116	YKLLGGLAVR	R	1,089.68
2164	TBCB Tubulin folding cofactor B	IPi00293126	27,307.50	107	122	YTISQEAYDQRQDQTVR	K	1,972.94
2165	SFRS12 Isoform 1 of Splicing factor, arginine/serine-rich 12	IPi00103497,IPi00375462	59,364.20	108	121	FAFVEFADQNSVPR	R	1,626.79
2166	SARS Seryl-tRNA synthetase, cytoplasmic	IPi00220637,IPi00514587	58,760.60	108	116	LLIDEAILK	R	1,027.64
2167	ATP6V1H Isoform 1 of V-type proton ATPase subunit H	IPi00296191,IPi00414079,IPi00909198	55,865.40	108	116	VSIFFDYAR	R	1,117.57
2168	G3BP1 Ras GTPase-activating protein-binding protein 1	IPi00012442	52,144.80	108	123	FMQTFVLAPEGSVANK	R	1,754.88
2169	G3BP1 Ras GTPase-activating protein-binding protein 1	IPi00012442	52,144.80	108	123	FMQTFVLAPEGSVANK	R	1,738.88
2170	PFKP 6-phosphofructokinase type C	IPi00009790	85,579.40	108	117	LKAACNLLQR	R	1,186.67
2171	BRD2 Isoform 1 of Bromodomain-containing protein 2	IPi00014414,IPi00797929,IPi00893088,IPi00893622	88,045.30	108	115	LGLPDYHK	K	942.5045
2172	GDI2 cDNA FLJ60299, highly similar to Rab GDP dissociation inhibitor beta	IPi00031461	51,138.50	108	119	VTEGSFVYKGGK	K	1,271.66
2173	LDHB L-lactate dehydrogenase B chain	IPi00219217	36,620.60	108	113	LNLVQR	R	742.457
2174	HNRNPA2B1 43 kDa protein	IPi00874030	43,234.30	108	120	LTDCVVMRDPASK	K	1,491.73
2175	HNRNPA2B1 43 kDa protein	IPi00874030	43,234.30	108	121	LTDCVVMRDPASKR	K	1,647.83
2176	DNAJC9 DnaJ homolog subfamily C member 9	IPi00154975	29,892.30	108	118	ISLEDIQAFEK	K	1,292.67
2177	RPS17 40S ribosomal protein S17	IPi00221093	15,532.50	108	129	LLDFGSLSNLQVTQPTVGMN	K	2,425.24
2178	PSMD13 proteasome 26S non-ATPase subunit 13 isoform 2	IPi00375380,IPi00549672	42,924.90	108	117	SSDEAVILCK	K	1,121.55
2179	SPIN1 Spindlin-1	IPi00550655	29,582.50	108	117	VSALEVLPR	R	1,098.62
2180	TMUB1 Transmembrane and ubiquitin-like domain-containing protein 1	IPi00027773	26,243.90	109	118	FLNDSEQVAR	K	1,178.58
2181	ALDOC Fructose-bisphosphate aldolase C	IPi00418262	39,438.20	109	134	VDKGVVPLAGTDGETTTQGL	K	2,615.32
2182	SPEN Msx2-interacting protein	IPi00045914	402,226.70	109	125	DGLSER	R	1,547.77
2183	MCM6 DNA replication licensing factor MCM6	IPi00031517	92,872.60	109	120	DFYVAFQDLPTR	K	1,471.72
2184	PDCD10 Programmed cell death protein 10	IPi00298558	24,684.50	109	116	ALKQILSK	R	900.5878
2185	ACSL3 Long-chain-fatty-acid--CoA ligase 3	IPi00031397	80,405.10	109	122	EVLNEEDEVQPNGK	R	1,599.75
2186	AK1 Adenylate kinase isoenzyme 1	IPi00018342,IPi00640817	21,617.10	109	128	IGQPTLLLYVDAGPETMTQR	R	2,219.14
2187	FAM125A Isoform 1 of Multivesicular body subunit 12A	IPi00744702,IPi00788162	28,766.10	109	123	LLPLGATDTAVFDVR	K	1,587.87
2188	RAB1B Ras-related protein Rab-1B	IPi00008964,IPi00896425	22,154.00	109	116	YASENVNK	R	924.442
2189	TPD52L2 Isoform 2 of Tumor protein D54	IPi00221178,IPi00306825,IPi00399265,IPi00399266,IPi00399267,IPi00399268,IPi00743469	19,883.30	109	119	TQETLSQAGQK	K	1,190.60
2190	ANXA5 Annexin A5	IPi00329801,IPi00872379	35,920.60	109	117	VLTEIIASR	K	1,001.60
2191	CGGBP1 CGG triplet repeat-binding protein 1	IPi00295585	18,802.20	110	120	MCLEANIPLEK	K	1,333.65
2192	DTWD2 DTW domain-containing protein 2	IPi00168209	33,398.60	110	122	TVLLAACL PQDK	R	1,425.78
2193	ARF1 ADP-ribosylation factor 1	IPi00215914,IPi00215917	20,679.60	110	117	MLAEDEL R	R	976.4769
2194	CIAO1 Protein CIAO1	IPi00008791	37,820.90	110	125	SVAWAPSGNLLATCSR	K	1,689.84
2195	CIAO1 Protein CIAO1	IPi00008791	37,820.90	110	125	SVAWAPSGNLLATCSR	K	1,689.84

2196	CIAO1 Protein CIAO1	IPI00008791	37,820.90	110	125	SVAWAPSGNLLATCSR	K	D	1,689.84
2197	SRM Spermidine synthase	IPI00292020	33,806.50	110	135	EVVKHPSVESVVQCEIDEDVI QVSKK	R	F	2,980.53
2198	FEN1 Flap endonuclease 1	IPI00026215	42,576.20	110	125	QLQQAQAAGAEQEVEK	K	F	1,727.86
2199	PFKP 6-phosphofructokinase type C	IPI00009790	85,579.40	110	117	AACNLLQR	K	G	945.4935
2200	DCXR L-xylulose reductase	IPI00448095,IPI00797249	25,894.20	110	120	AVIQVSQIVAR	R	G	1,183.72
2201	PRDX2 Peroxiredoxin-2	IPI00027350	21,874.40	110	127	RLSEDYGVLTDEGIAYR	R	G	2,085.06
2202	TMEM205 Transmembrane protein 205	IPI00063130	21,180.50	110	124	TTAAMWALQTVEKER	R	G	1,734.88
2203	HNRNPA3 Isoform 1 of Heterogeneous nuclear ribonucleoprotein A3	IPI00419373	39,577.10	110	127	AVSREDSVKPGAHLTVKK	R	I	1,922.08
2204	KIAA0174 Isoform 1 of Uncharacterized protein KIAA0174	IPI00024660,IPI00386516,IPI00420088,IPI00643007	39,734.20	110	118	LQSEVAELK	R	I	1,016.56
2205	TPD52 tumor protein D52 isoform 2	IPI00619951,IPI00619958,IPI00873344,IPI00896474	22,459.40	110	123	ASAAFSSVSGSVITK	K	K	1,324.71
2206	SRPRB Signal recognition particle receptor subunit beta	IPI00295098	29,685.10	110	125	GNSLTLIDLPGHESLR	R	L	1,721.92
2207	SNRNP70 Isoform 2 of U1 small nuclear ribonucleoprotein 70 kDa	IPI00219483,IPI00290204	50,601.30	110	118	VNYDTTESK	R	L	1,056.48
2208	TOMM34 Mitochondrial import receptor subunit TOM34	IPI00009946	34,542.30	110	127	TVLQIDDNVTSAVEGINR	K	M	1,944.00
2209	DNAJB1 DnaJ homolog subfamily B member 1	IPI00015947	38,027.60	110	119	NPFDTFFGQR	R	N	1,228.57
2210	MRFAP1 MORF4 family-associated protein 1	IPI00020915	14,631.80	110	119	MAEMLVELVR	K	R	1,206.62
2211	WDR82 WD repeat-containing protein 82	IPI00152695	35,062.40	110	129	VVALSMSPVDDTFISGSLDK	R	T	2,097.04
2212	BUD31 Protein BUD31 homolog	IPI00013180	16,982.30	110	120	DTNFGTNCICR	R	V	1,357.56
2213	NUFIP2 Nuclear fragile X mental retardation-interacting protein 2	IPI00002349	76,103.10	110	122	NLSSDEATNPISR	K	V	1,403.68
2214	FBL rRNA 2'-O-methyltransferase fibrillar	IPI00025039	33,766.10	110	122	NLVPGESVYGEKR	K	V	1,447.75
2215	HIST3H2BB Histone H2B type 3-B	IPI00166293	13,890.60	110	121	HAVSEGTKAVTK	K	Y	1,227.67
2216	H2BFS Histone H2B type F-S	IPI00477495,IPI00816252	13,926.60	110	121	HAVSEGTKAVTK	K	Y	1,227.67
2217	HIST1H2BJ Histone H2B type 1-J	IPI00515061	13,886.70	110	121	HAVSEGTKAVTK	K	Y	1,227.67
2218	TALDO1 Transaldolase	IPI00744692	37,523.70	111	121	LSFDKAMDVAR	R	A	1,252.64
2219	PRDX1 Peroxiredoxin-1	IPI00000874	22,092.90	111	120	TIAQDYGVLK	R	A	1,107.60
2220	UBE2S Ubiquitin-conjugating enzyme E2 S	IPI00217949	23,828.40	111	117	HVLLTIK	R	C	823.5401
2221	SEC11A Signal peptidase complex catalytic subunit SEC11A	IPI00104128,IPI00873253,IPI00873608	20,607.80	111	123	FLTQKGDNNVDDR	K	G	1,464.71
2222	CTTN Src substrate cortactin	IPI00029601	61,567.40	111	119	HCSQVDSVR	K	G	1,087.49
2223	PRDX1 Peroxiredoxin-1	IPI00000874	22,092.90	111	128	TIAQDYGVLKADEGISFR	R	G	1,983.02
2224	TPT1 Translationally-controlled tumor protein	IPI00550900	19,578.20	111	123	VKPFMTGAAEQIK	R	H	1,435.76
2225	ILF2 Interleukin enhancer-binding factor 2	IPI00005198,IPI00872107	43,044.70	111	127	GTMTTGHNVDLVVILK	K	I	1,784.96
2226	MDH1 Malate dehydrogenase, cytoplasmic	IPI00291005,IPI00915869	36,408.90	111	121	SQGAALDKYAK	K	K	1,151.61
2227	RAN GTP-binding nuclear protein Ran	IPI00643041,IPI00795671	24,405.10	111	129	VCENIPIVLCGNKVDIKDR	R	K	2,242.17
2228	APOBEC3C Probable DNA dC->dU-editing enzyme APOBEC-3C	IPI00555878,IPI00872929	22,808.00	111	122	HSNVNLTIFTAR	R	L	1,372.73
2229	PCNA Proliferating cell nuclear antigen	IPI00021700	28,751.30	111	117	VSDYEMK	K	L	871.3866
2230	RHOT1 Isoform 3 of Mitochondrial Rho GTPase 1	IPI00217536,IPI00432452,IPI00651681,IPI00759714,IPI00759775	79,531.40	111	119	LPLILVGNK	R	S	966.6348
2231	MDH1 Malate dehydrogenase, cytoplasmic	IPI00291005,IPI00915869	36,408.90	111	122	SQGAALDKYAKK	K	S	1,279.70
2232	RHOT2 Isoform 1 of Mitochondrial Rho GTPase 2	IPI00465059	68,099.60	111	119	VPIILVGNK	R	S	952.6191
2233	POLR2G DNA-directed RNA polymerase II subunit RPB7	IPI00218895	19,276.60	111	129	HSIPSEMEFDPNSNPPCYK	R	T	2,248.96
2234	PRDX2 Peroxiredoxin-2	IPI00027350	21,874.40	111	119	LSEDYGVLK	R	T	1,023.54
2235	EIF4A1 Eukaryotic initiation factor 4A-I	IPI00025491,IPI00871852	46,137.30	111	118	ELAQIQIK	R	V	957.5365
2236	YWHAH 14-3-3 protein eta	IPI00216319	28,201.60	111	120	NCNDFQYESK	K	V	1,304.52
2237	YWHAG 14-3-3 protein gamma	IPI00220642	28,285.10	111	120	NCSETQYESK	K	V	1,245.51
2238	RAN GTP-binding nuclear protein Ran	IPI00643041,IPI00795671	24,405.10	111	123	VCENIPIVLCGNK	R	V	1,515.77
2239	PFKM cDNA FLJ44241 fis, clone THYMU3008436, highly similar to 6-phosphofructokinase, muscle type	IPI00465179,IPI00743142	93,203.30	111	118	VGIFTGAR	R	V	820.4676

2240	FSCN1 Fascin	IPI00163187,IPI00747810	54,512.30	111	131	YFGGTEDRLSCFAQTVSPA K	R	W	2,363.10
2241	FDPS Farnesyl pyrophosphate synthetase	IPI00914566	48,258.70	111	123	LKEVLEYNAIGGK	R	Y	1,433.80
2242	RPS25 40S ribosomal protein S25	IPI00012750	13,725.00	112	125	NTKGGDAPAAGEDA	R	-	1,273.57
2243	RPS25 40S ribosomal protein S25	IPI00012750	13,725.00	112	125	NTKGGDAPAAGEDA	R	-	1,273.57
2244	RPS25 40S ribosomal protein S25	IPI00012750	13,725.00	112	125	NTKGGDAPAAGEDA	R	-	1,273.57
2245	THEM2 Thioesterase superfamily member 2	IPI00020530	14,942.60	112	123	TLAFTSVDLTNK	K	A	1,309.70
2246	CDC123 Cell division cycle protein 123 homolog	IPI00005670	39,118.10	112	123	DAYWIAMNSSLK	R	C	1,398.67
2247	ALDOC Fructose-bisphosphate aldolase C	IPI00418262	39,438.20	112	134	GVVPLAGTDGETTTQGLDGL SER	K	C	2,273.13
2248	ALDOA Fructose-bisphosphate aldolase A	IPI00465439	39,402.60	112	134	GVVPLAGTNGETTTQGLDGL SER	K	C	2,272.14
2249	SFRS6 Isoform SRP55-1 of Splicing factor, arginine/serine-rich 6	IPI00012345,IPI00215879,IPI00556297	39,570.40	112	120	LIVENLSSR	R	C	1,030.59
2250	PMVK Phosphomevalonate kinase	IPI00220648	21,977.00	112	119	VSDIQWFR	R	E	1,050.54
2251	PPP1CA Serine/threonine-protein phosphatase PP1-alpha catalytic subunit	IPI00550451	37,495.90	112	122	IKYPENFFLLR	K	G	1,439.80
2252	RELA Isoform 2 of Transcription factor p65	IPI00219084,IPI00386448,IPI00479470,IPI00883897	58,789.60	112	120	DLEQAISQR	R	I	1,059.54
2253	SERBP1 Isoform 1 of Plasminogen activator inhibitor 1 RNA-binding protein	IPI00410693,IPI00412714,IPI00470497,IPI00470498	44,947.80	112	122	RPDQQLQGEGK	R	I	1,255.64
2254	SERBP1 Isoform 1 of Plasminogen activator inhibitor 1 RNA-binding protein	IPI00410693,IPI00412714,IPI00470497,IPI00470498	44,947.80	112	122	RPDQQLQGEGK	R	I	1,255.64
2255	SNRPB2 U2 small nuclear ribonucleoprotein B"	IPI00029267	25,469.50	112	122	TVEQTATTTNK	K	K	1,193.60
2256	RAB1A Isoform 1 of Ras-related protein Rab-1A	IPI00005719,IPI00873902	22,660.40	112	119	YASENVNK	R	L	924.442
2257	CACYBP Isoform 1 of Calcyclin-binding protein	IPI00395627	26,192.30	112	118	SFDLLVK	R	N	821.4768
2258	NIT2 Nitrilase homolog 2	IPI00549467,IPI00872668	30,590.80	112	130	KIHLFDIDVPGKITFQESK	R	T	2,215.21
2259	EIF4A2 Isoform 1 of Eukaryotic initiation factor 4A-II	IPI00328328,IPI00409717	46,385.60	112	119	ELAQQIQK	R	V	957.5365
2260	PDRG1 p53 and DNA damage-regulated protein 1	IPI00027887	15,493.60	113	125	GFNLNPLNQDELK	K	A	1,501.76
2261	CANX cDNA FLJ55574, highly similar to Calnexin	IPI00020984,IPI00383227,IPI00477719	71,486.80	113	122	GTLSGWILSK	R	A	1,061.60
2262	CDKN2A Cyclin-dependent kinase inhibitor	IPI00001560	17,865.30	113	124	LPVDLAEELGHR	R	D	1,348.72
2263	GRB2 Isoform 1 of Growth factor receptor-bound protein 2	IPI00021327	25,188.80	113	124	DGAGKYFLWVVK	R	F	1,382.75
2264	CCDC97 Coiled-coil domain-containing protein 97	IPI00061777	38,928.70	113	127	TGLREEHLACFGHVR	R	G	1,781.89
2265	TUBA1A Tubulin alpha-1A chain	IPI00180675	50,117.70	113	121	EIIDLVLDLDR	K	I	1,085.62
2266	TUBA1A Tubulin alpha-1A chain	IPI00180675	50,117.70	113	121	EIIDLVLDLDR	K	I	1,085.62
2267	TUBA1A Tubulin alpha-1A chain	IPI00180675	50,117.70	113	121	EIIDLVLDLDR	K	I	1,085.62
2268	TUBA1C Tubulin alpha-1C chain	IPI00218343	49,877.40	113	121	EIIDLVLDLDR	K	I	1,085.62
2269	TUBA1B Tubulin alpha-1B chain	IPI00387144,IPI00792677	50,133.70	113	121	EIIDLVLDLDR	K	I	1,085.62
2270	RAB18 Ras-related protein Rab-18	IPI00014577	22,959.50	113	123	NDIVNMLVGNK	R	I	1,216.64
2271	HMGB1 High mobility group protein B1	IPI00419258	24,876.70	113	127	IKGEHPGLSIGDVAK	K	K	1,520.84
2272	HMGB2 High mobility group protein B2	IPI00219097	24,016.60	113	127	IKSEHPGLSIGDTAK	K	K	1,552.83
2273	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	113	126	AFYPEEISSMVLTK	K	M	1,630.80
2274	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	113	126	AFYPEEISSMVLTK	K	M	1,630.80
2275	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	70,881.80	113	126	SFYPEEVSSMVLTK	K	M	1,632.78
2276	TIMM23 Mitochondrial import inner membrane translocase subunit Tim23	IPI00007309	21,926.20	113	122	NVQILNMVTR	R	Q	1,203.65
2277	EIF3D Eukaryotic translation initiation factor 3 subunit D	IPI00006181,IPI00791086	63,955.80	113	124	NMLQFNLQILPK	R	S	1,474.81
2278	RPLP0 60S acidic ribosomal protein P0	IPI00008530	34,256.30	113	134	AGAIAPCEVTVPAQNTGLGPE K	R	T	2,180.10
2279	PIN4 protein (peptidyl-prolyl cis/trans isomerase) NIMA-interacting, 4	IPI00006658	16,590.50	113	142	GSMVGPFFQEAALPVS KPVFTDPPVK	R	T	3,151.55
2280	YRDC YrdC domain-containing protein, mitochondrial	IPI00384180	29,310.30	113	124	SEAKPLAVCLGR	R	V	1,300.70
2281	SFRS7 Isoform 1 of Splicing factor, arginine/serine-rich 7	IPI00003377,IPI00215907,IPI00332419,IPI00744364,IPI00916448	27,349.50	113	121	GHYAYDCHR	K	Y	1,178.48

2282	CDKN2A Cyclin-dependent kinase inhibitor	IPI00001560	17,865.30	113	128	LPVDLAEELGHRDVAR	R	Y	1,789.96
2283	RPL22 60S ribosomal protein L22	IPI00219153,IPI00878392	14,769.30	114	128	YFQINQDEEEEEDED	R	-	1,931.73
2284	RPL23 60S ribosomal protein L23	IPI00010153,IPI00795408	14,847.90	114	123	GSAITGPVAK	K	E	900.515
2285	RAB7A Ras-related protein Rab-7a	IPI00016342	23,472.00	114	126	DPENFPFVVLGNK	R	I	1,475.75
2286	UNG Isoform 2 of Uracil-DNA glycosylase	IPI00011069	34,627.40	114	122	LMGFVAEER	K	K	1,067.52
2287	C16orf80 UPF0468 protein C16orf80	IPI00001655	22,757.60	114	124	VKPFICTMPMR	R	L	1,395.69
2288	SNRPA1 U2 small nuclear ribonucleoprotein A'	IPI00297477	28,399.10	114	122	SLTYLSILR	K	N	1,065.63
2289	MAPRE1 Microtubule-associated protein RP/EB family member 1	IPI00017596,IPI00910350	29,981.50	114	130	FFDANYDGKDYPVAAR	K	Q	1,963.88
2290	SKP1 Isoform 1 of S-phase kinase-associated protein 1	IPI00301364	18,640.30	114	121	GLLDVTCK	K	T	905.4763
2291	PSMD6 26S proteasome non-ATPase regulatory subunit 6	IPI00014151	45,515.40	114	126	IGDKEGALTAFRK	R	T	1,405.78
2292	PABPC1 Isoform 1 of Polyadenylate-binding protein 1	IPI00008524	70,653.30	114	129	ALYDTFSAFGNILSCK	K	V	1,806.87
2293	PABPC4 Isoform 1 of Polyadenylate-binding protein 4	IPI00012726,IPI00555747,IPI00642904,IPI00642944	70,765.80	114	129	ALYDTFSAFGNILSCK	K	V	1,806.87
2294	EIF3L Eukaryotic translation initiation factor 3, subunit E interacting protein	IPI00465233,IPI00745266	70,886.50	114	121	VYELQASR	K	V	965.505
2295	RPS25 40S ribosomal protein S25	IPI00012750	13,725.00	115	125	GGDAPAAGEDA	K	-	930.3801
2296	DDX56 Probable ATP-dependent RNA helicase DDX56	IPI00302281	61,573.50	115	128	VANVSAAESVSVQR	R	A	1,432.70
2297	HNRNPR heterogeneous nuclear ribonucleoprotein R isoform 1	IPI00644055	71,197.20	115	126	VQUESTKGPDEAK	K	I	1,288.64
2298	SUB1 Activated RNA polymerase II transcriptional coactivator p15	IPI00221222	14,377.90	115	125	EQISDIDDAVR	K	K	1,260.61
2299	CFL1 Cofilin-1	IPI00012011	18,485.10	115	125	MIYASSKDAIK	K	K	1,242.64
2300	DSTN Destrin	IPI00473014	18,488.20	115	125	MIYASSKDAIK	K	K	1,242.64
2301	RPL6 60S ribosomal protein L6	IPI00329389,IPI00790342,IPI00867533	32,711.30	115	123	YYPTEDVPR	R	K	1,139.54
2302	PIP4K2C Phosphatidylinositol-5-phosphate 4-kinase type-2 gamma	IPI00152303,IPI00896381	47,268.90	115	128	FGIDDQDYLVSLTR	R	N	1,641.81
2303	BTF3L4 Transcription factor BTF3 homolog 4	IPI00412792	17,253.00	115	122	KLAEQFPR	R	Q	988.5575
2304	BTF3L4 Transcription factor BTF3 homolog 4	IPI00412792	17,253.00	115	122	KLAEQFPR	R	Q	988.5575
2305	NME2 Nucleoside diphosphate kinase B	IPI00026260	17,280.20	115	124	NIHGSDSVK	R	S	1,069.56
2306	RPL23A;hCG_16001 60S ribosomal protein L23a	IPI00021266	17,678.20	115	123	KLYDIDVAK	K	V	1,064.60
2307	GSTO1 Glutathione S-transferase omega-1	IPI00019755,IPI00642936	27,549.20	115	122	MILELFSK	K	V	980.5486
2308	GOT1 Aspartate aminotransferase, cytoplasmic	IPI00219029	46,230.10	115	122	IGADFLAR	R	W	862.4782
2309	RPL31 60S ribosomal protein L31	IPI00026302	14,445.20	116	125	NLQTVNVVDEN	K	-	1,145.54
2310	ZNF593 zinc finger protein 593	IPI00026276,IPI00844193	15,181.40	116	134	RLAVPTEVSTEVPEMDTST	R	-	2,078.00
2311	C14orf166 UPF0568 protein C14orf166	IPI00006980	28,051.30	116	131	NAEPLINLDVNNPDFK	K	A	1,812.91
2312	PSMD3 26S proteasome non-ATPase regulatory subunit 3	IPI00011603	60,961.60	116	128	AVQGFFTSNNATR	K	D	1,412.69
2313	RCC1 regulator of chromosome condensation 1 isoform a	IPI00001661,IPI00747309,IPI00787306	48,126.30	116	132	SGQVYSFGCNDÉGALGR	K	D	1,816.79
2314	NOC4L Nucleolar complex protein 4 homolog	IPI00031661	58,451.40	116	124	ELALSALLK	K	F	957.598
2315	TNPO1 transportin 1 isoform 1	IPI00024364,IPI00843876	102,340.80	116	128	ATVGILITTIASK	R	G	1,287.79
2316	UAP1 Isoform AGX2 of UDP-N-acetylhexosamine pyrophosphorylase	IPI00000684,IPI00217816,IPI00607787,IPI00646967	58,751.50	116	122	LGVAYPK	R	G	747.44
2317	NDUFA12 13kDa differentiation-associated protein variant (Fragment)	IPI00005966	17,196.50	116	132	FNVGTGPEQYVPYSTTR	K	K	1,959.94
2318	UCHL1 Ubiquitin carboxyl-terminal hydrolase isozyme L1	IPI00018352	24,806.30	116	123	QFLSETEK	K	M	981.4888
2319	KPNA6 cDNA FLJ53229, highly similar to Importin alpha-7 subunit	IPI00747764	60,563.50	116	129	EPSPPIDEVINTPR	K	V	1,563.80
2320	SF3A3 Splicing factor 3A subunit 3	IPI00029764	58,833.30	116	138	ARENPSEEQNLVEFTDEEG YGR	K	Y	2,640.18
2321	RPL9 60S ribosomal protein L9	IPI00031691	21,845.70	116	121	NFLGEK	R	Y	707.3723

2322	ANAPC7 anaphase-promoting complex subunit 7	IPI00008248,IPI00915282	66,839.70	116	139	VRPSTGNSASTPQSQCPLPSEI K EVK	Y	2,572.27
2323	ZNF593 zinc finger protein 593	IPI00026276,IPI00844193	15,181.40	117	134	LAVPTEVSTVEPMDTST R	-	1,921.89
2324	SGTA Small glutamine-rich tetratricopeptide repeat-containing protein alpha	IPI00013949	34,045.90	117	131	AIELNPANAVYFCNR	K A	1,751.85
2325	SGTA Small glutamine-rich tetratricopeptide repeat-containing protein alpha	IPI00013949	34,045.90	117	131	AIELNPANAVYFCNR	K A	1,751.85
2326	IMP4 U3 small nucleolar ribonucleoprotein protein IMP4	IPI00181116,IPI00916569,IPI00917966	33,738.90	117	126	GRHEVGALVR	R A	1,093.62
2327	PSMD10 26S proteasome non-ATPase regulatory subunit 10	IPI00003565,IPI00027699	24,410.20	117	135	NRHEIAVMLLEGGANPDAK	K D	2,051.03
2328	WDR1 Isoform 1 of WD repeat-containing protein 1	IPI00746165,IPI00873622	66,175.20	117	124	IAVVGEGR	R E	800.4625
2329	ANP32B Isoform 1 of Acidic leucine-rich nuclear phosphoprotein 32 family member B	IPI00007423,IPI00759824	28,770.60	117	132	SLDLFNCEVTNLNDYR	K E	1,972.91
2330	ANP32A Acidic leucine-rich nuclear phosphoprotein 32 family member A	IPI00025849	28,568.10	117	132	SLDLFNCEVTNLNDYR	K E	1,972.91
2331	TSN Translin	IPI00018768,IPI00917623	26,165.40	117	131	EAVTEILGIEPDREK	R G	1,698.89
2332	NARS Asparaginyl-tRNA synthetase, cytoplasmic	IPI00306960	62,926.20	117	124	IGALEGYR	K G	878.4731
2333	HSP90B1 Endoplasmic	IPI00027230	92,453.70	117	135	LISLTDENALSGNEELTVK	R I	2,046.06
2334	RAB1B Ras-related protein Rab-1B	IPI00008964,IPI00896425	22,154.00	117	128	LLVGNKSDLTTK	K K	1,288.75
2335	PPAT Amidophosphoribosyltransferase	IPI00029534	57,381.30	117	130	IAVAHGELVNAAR	K L	1,434.78
2336	FARSB Phenylalanyl-tRNA synthetase beta chain	IPI00300074	66,114.60	117	127	IRPFAVAALR	K N	1,212.76
2337	RBM3 Putative RNA-binding protein 3	IPI00024320	17,152.60	117	131	YYDSRPGGYGYGYGR	R S	1,730.76
2338	- cDNA FLJ54408, highly similar to Heat shock 70 kDa protein 1	IPI00911039	63,907.90	117	132	IINEPTAAAIYGLDR	R T	1,687.90
2339	PDCD10 Programmed cell death protein 10	IPI00298558	24,684.50	117	124	IPDEINDR	K V	971.4794
2340	H2BFS Histone H2B type F-S	IPI00477495,IPI00816252	13,926.60	118	126	AVTKYTSAK	K -	968.5411
2341	HIST1H2BJ Histone H2B type 1-J	IPI00515061	13,886.70	118	126	AVTKYTSAK	K -	968.5411
2342	CCT6A T-complex protein 1 subunit zeta	IPI00027626,IPI00552590	58,007.30	118	129	IITEGFEEAKEK	R A	1,335.72
2343	HIST2H3A;HIST2H3D;HIST2H3C Histone H3.2	IPI00171611,IPI00219038,IPI00465070,IPI00909530	15,370.70	118	123	VTIMPK	R D	704.4013
2344	GAPDH Glyceraldehyde-3-phosphate dehydrogenase	IPI00219018	36,035.30	118	145	RVIISAPSADAPMFVMGVNHE K KYDNSLK	I	3,089.55
2345	UBE2S Ubiquitin-conjugating enzyme E2 S	IPI00217949	23,828.40	118	135	CLLIHPNPESALNEEAGR	K L	2,019.99
2346	PSPC1 Isoform 1 of Paraspeckle component 1	IPI00103525,IPI00395775	58,726.50	118	123	GFGFIR	R L	696.3828
2347	EIF4B cDNA FLJ54492, highly similar to Eukaryotic translation initiation factor 4B	IPI00012079,IPI00908588	69,710.40	118	125	GLNISAVR	R L	829.489
2348	PCNA Proliferating cell nuclear antigen	IPI00021700	28,751.30	118	138	LMDLDVEQLGIPEQEYSCVVK	K M	2,481.19
2349	GUK1 Guanylate kinase 1	IPI00514494,IPI00515106,IPI00644488	23,479.80	118	129	ICVLDVDLQGVR	R N	1,386.74
2350	PSMG2 Proteasome assembly chaperone 2	IPI00644482	29,379.40	118	129	VIVLSSSHSYQR	R N	1,375.73
2351	ARF1 ADP-ribosylation factor 1	IPI00215914,IPI00215917	20,679.60	118	127	DAVLLVFANK	R Q	1,089.63
2352	GNB2L1 38 kDa protein	IPI00641950,IPI00848226	37,740.10	118	128	LWDLTTGTTTR	R R	1,264.65
2353	HIST2H3A;HIST2H3D;HIST2H3C Histone H3.2	IPI00171611,IPI00219038,IPI00465070,IPI00909530	15,370.70	118	129	VTIMPKDIQLAR	R R	1,400.79
2354	C1orf35 Isoform 1 of Multiple myeloma tumor-associated protein 2	IPI00293746,IPI00642240	29,393.90	118	130	LLGLGSASGSVGR	R V	1,173.66
2355	SF3A3 Splicing factor 3A subunit 3	IPI00029764	58,833.30	118	138	ENPSEEANLVEFTDEEGY R R	Y	2,413.04
2356	GAPDH Glyceraldehyde-3-phosphate dehydrogenase	IPI00219018	36,035.30	118	139	RVIISAPSADAPMFVMGVNHE K K	Y	2,369.21
2357	ST13 Hsc70-interacting protein	IPI00032826	41,314.40	119	132	VAAIEALNDGELQK	K A	1,470.78
2358	ST13 Hsc70-interacting protein	IPI00032826	41,314.40	119	132	VAAIEALNDGELQK	K A	1,470.78
2359	NARG1 Isoform 1 of NMDA receptor-regulated protein 1	IPI00386189	101,259.90	119	128	DLSELLQIMR	R D	1,216.67
2360	AP3S1 AP-3 complex subunit sigma-1	IPI00014624	32,126.80	119	133	FYQPYS EDTQQQIIR	K E	1,915.92
2361	GNPNAT1 Glucosamine 6-phosphate N-acetyltransferase	IPI00061525	20,731.30	119	129	VEDVVVSDECR	R G	1,306.59
2362	PPIA Peptidyl-prolyl cis-trans isomerase A	IPI00419585,IPI00887678	17,994.90	119	125	TEWLDGK	K H	848.415

2363	GAPDH Glyceraldehyde-3-phosphate dehydrogenase	UPI00219018	36,035.30	119	145	VIISAPSADAPMFVMGVNHEK R	I	2,965.44
2364	RRM1 Ribonucleoside-diphosphate reductase large subunit	UPI00013871	90,055.50	119	130	YDNSLK STLTDIVLANKDR	K	1,344.75
2365	METTL5 Methyltransferase-like protein 5	UPI00299888,UPI00917041,UPI00917185	23,702.40	119	132	SFDTVIMNPPFGTK	K	1,569.76
2366	PAFAH1B3 Platelet-activating factor acetylhydrolase IB subunit gamma	UPI00014808	25,715.60	119	127	AIVQLVNER	K	1,041.61
2367	DNAJC9 DnaJ homolog subfamily C member 9	UPI00154975	29,892.30	119	131	TYKGSEEELADIK	K	1,482.73
2368	PPIA Peptidyl-prolyl cis-trans isomerase A	UPI00419585,UPI00887678	17,994.90	119	131	TEWLDGKHVVFVK	K	1,515.80
2369	FSCN1 Fascin	UPI00163187,UPI00747810	54,512.30	119	131	LSCFAQTVSPAEEK	R	1,437.70
2370	YBX1 Nuclease-sensitive element-binding protein 1	UPI00031812,UPI00643351	35,905.70	119	137	GAEAAVNTGPGGVPVQGSK	K	1,695.87
2371	ARPC2 Actin-related protein 2/3 complex subunit 2	UPI00005161	34,315.70	119	127	NCFASVFEK	R	1,101.50
2372	CCT2 T-complex protein 1 subunit beta	UPI00297779	57,471.90	120	131	KIHPQTIAGWR	K	1,419.82
2373	PDIA4 Protein disulfide-isomerase A4	UPI00009904	72,916.00	120	131	IDATSASVLSAR	K	1,190.64
2374	RPL18 60S ribosomal protein L18	UPI00215719	21,617.20	120	132	ILTFDQLALDSPK	K	1,460.80
2375	TPD52L2 Isoform 2 of Tumor protein D54	UPI00221178,UPI00306825,UPI00399265,UPI00399266,UPI00399267,UPI00399268,UPI00743469	19,883.30	120	133	TSALSTVGSASIR	K	1,320.71
2376	HNRNPD Isoform 1 of Heterogeneous nuclear ribonucleoprotein D0	UPI00028888,UPI00220684	38,416.50	120	129	FGEVVDCTLK	K	1,167.57
2377	HNRNPD Isoform 1 of Heterogeneous nuclear ribonucleoprotein D0	UPI00028888,UPI00220684	38,416.50	120	129	FGEVVDCTLK	K	1,167.57
2378	PTRH2 Peptidyl-tRNA hydrolase 2, mitochondrial	UPI00032903,UPI00555597	19,175.70	120	134	APDEETLIALLAHAK	K	1,591.87
2379	MARS Methionyl-tRNA synthetase, cytoplasmic	UPI00008240	101,099.50	120	130	ALTHIDHLSLR	R	1,249.66
2380	NONO Non-POU domain-containing octamer-binding protein	UPI00304596	54,213.60	120	137	TLAEIAKVELDNMPLRGK	R	2,014.10
2381	RPS6 40S ribosomal protein S6	UPI00021840	28,663.70	120	131	DIPGLTDDTVPR	K	1,284.68
2382	HNRNPD Isoform 1 of Heterogeneous nuclear ribonucleoprotein D0	UPI00028888,UPI00220684	38,416.50	120	136	FGEVVDCTLKLDPITGR	K	1,919.99
2383	DBR1 Isoform 1 of Lariat debranching enzyme	UPI00305545	61,538.00	120	128	IGGISGIFK	R	891.53
2384	RIOK1 Serine/threonine-protein kinase RIO1	UPI00171336	65,566.30	120	138	INLDKLNVTDSVINKVTEK	K	2,143.20
2385	MLF2 Myeloid leukemia factor 2	UPI00023095	28,129.90	120	128	VYQETSEMR	K	1,142.51
2386	PMVK Phosphomevalonate kinase	UPI00220648	21,977.00	120	130	EAYGAVTQTVR	R	1,194.61
2387	PGD 6-phosphogluconate dehydrogenase, decarboxylating	UPI00219525,UPI00747533	53,123.90	120	136	GILFVSGVSGGEEGAR	K	1,591.81
2388	EIF3B Isoform 1 of Eukaryotic translation initiation factor 3 subunit B	UPI00396370,UPI00719752	92,464.80	121	134	AQAVSEDAGGNEGR	R	1,360.61
2389	ATP6V1A V-type proton ATPase catalytic subunit A	UPI00007682	68,287.40	121	129	GVNVSALSAR	R	902.5053
2390	NOP5/NOP58 Nucleolar protein 5	UPI00006379	59,562.20	121	133	SQMDGLIPGVEPR	R	1,414.70
2391	PRDX1 Peroxiredoxin-1	UPI00000874	22,092.90	121	128	ADEGISFR	K	894.4316
2392	RBM4 Isoform 1 of RNA-binding protein 4	UPI00003704	40,296.20	121	129	AEDAIVEAIR	R	973.4949
2393	VDAC1 Voltage-dependent anion-selective channel protein 1	UPI00216308	30,755.90	121	139	EHINLGCMDDFDIAGPSIR	R	2,175.98
2394	PKM2 Isoform M1 of Pyruvate kinase isozymes M1/M2	UPI00220644,UPI00479186	58,044.60	121	136	TGLIKSGTAEVELKK	R	1,630.94
2395	RELA Isoform 2 of Transcription factor p65	UPI00219084,UPI00386448,UPI00479470,UPI00883897	58,789.60	121	145	IQTNNNPFQVPIEEQRGDYDL NAVR	R	2,930.44
2396	AKR7A2 Aflatoxin B1 aldehyde reductase member 2	UPI00305978	39,571.00	121	129	SQLETSLKR	R	1,061.60
2397	DDX17 DEAD box polypeptide 17 isoform 1	UPI00023785,UPI00651653	80,256.00	121	132	KWDLSELPKFEK	K	1,519.82
2398	YWHAZ 14-3-3 protein zeta/delta	UPI00021263	27,727.90	121	127	MKGDYR	K	932.4295
2399	CD81 CD81 antigen	UPI00000190,UPI00657752	25,791.80	122	144	DVKQFYDQALQQAVVDDAN NAK	K	2,595.23
2400	NDUFB10 NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 10	UPI00479905	20,758.70	122	131	EVEQFTQVAK	K	1,178.61
2401	UCHL3 Ubiquitin carboxyl-terminal hydrolase isozyme L3	UPI00011250	26,164.80	122	134	FLEESVMSPEER	K	1,555.69
2402	FBL rRNA 2'-O-methyltransferase fibrillarin	UPI00025039	33,766.10	122	135	RVSISEGDDKIEYR	K	1,666.84

2403	WDR77 Methylosome protein 50	IPI00012202	36,705.20	122	145	YEHDDIVSTVSVLSSGTQAVS K GSK	D	2,466.20
2404	RRM2 Ribonucleoside-diphosphate reductase M2 subunit	IPI00011118	51,076.50	122	134	AAAPGVEDEPLLR K	E	1,337.71
2405	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	122	154	KEAESCDCQLQGFQLTHSLGG R GTGSGMGTLLISK	I	3,439.63
2406	TUBB Tubulin beta chain	IPI00011654	49,652.60	122	154	KEAESCDCQLQGFQLTHSLGG R GTGSGMGTLLISK	I	3,439.63
2407	CDIPT Isoform 1 of CDP-diacylglycerol--inositol 3-phosphatidyltransferase	IPI00645518,IPI00647250,IPI00902843,IPI00910287	23,522.30	122	132	MIDLSGNPVL R	K	1,230.65
2408	BASP1 Brain acid soluble protein 1	IPI00299024	22,675.30	122	149	AAEAAAAPAESAAPAAGEEPS K KEEGEPK	K	2,636.23
2409	RPL14 Ribosomal protein L14 variant	IPI00555744	23,769.70	122	128	IIKNEVK R	K	843.5299
2410	NOL7 Isoform 1 of Nucleolar protein 7	IPI00007729	29,408.90	122	131	LTTASQTNK K	K	1,076.59
2411	RPL13 60S ribosomal protein L13	IPI00465361	24,244.20	122	129	SKLILFPR R	K	973.6194
2412	SAP18 Sin3A-associated protein, 18kDa	IPI00011698	19,508.80	122	132	VKEIGSTMSG R	K	1,180.60
2413	GSTP1 Glutathione S-transferase P	IPI00219757	23,338.70	122	141	ALPGQLKPFETLLSQNQQGK K	T	2,126.16
2414	ATAD1 ATPase family AAA domain-containing protein 1	IPI00171445,IPI00910210	40,727.10	122	139	LLQPPKGVLLYPPGCGK R	T	1,894.06
2415	HNRNPA2B1 43 kDa protein	IPI00874030	43,234.30	122	150	SRGFGFVTFSSMAEVDAA R ARPHSIDGR	V	3,086.46
2416	NAPA Alpha-soluble NSF attachment protein	IPI00009253	33,216.10	123	140	HHISIAEYETELVDIEK K	A	2,139.10
2417	EEF1B2 Elongation factor 1-beta	IPI00178440	24,746.20	123	130	LAQYESKK R	A	966.5255
2418	FBL rRNA 2'-O-methyltransferase fibrillarin	IPI00025039	33,766.10	123	135	VSISEGDDKIEY R	A	1,510.74
2419	MAGOHB Protein mago nashi homolog 2	IPI00059292	17,258.60	123	132	VFYYLVQDLK R	C	1,287.70
2420	FHL1 Four and a half LIM domains 1 variant	IPI00014398,IPI00647207	33,559.30	123	134	AIVAGDQNV EYK K	G	1,306.66
2421	RACGAP1 Rac GTPase-activating protein 1	IPI00152946	71,009.80	123	130	SALAFLNR K	G	891.5046
2422	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	123	154	EAESCDCQLQGFQLTHSLGGG K TGSGMGTLLISK	I	3,327.53
2423	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	123	154	EAESCDCQLQGFQLTHSLGGG K TGSGMGTLLISK	I	3,311.53
2424	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	123	154	EAESCDCQLQGFQLTHSLGGG K TGSGMGTLLISK	I	3,327.53
2425	TUBB Tubulin beta chain	IPI00011654	49,652.60	123	154	EAESCDCQLQGFQLTHSLGGG K TGSGMGTLLISK	I	3,327.53
2426	TUBB Tubulin beta chain	IPI00011654	49,652.60	123	154	EAESCDCQLQGFQLTHSLGGG K TGSGMGTLLISK	I	3,311.53
2427	TUBB Tubulin beta chain	IPI00011654	49,652.60	123	154	EAESCDCQLQGFQLTHSLGGG K TGSGMGTLLISK	I	3,327.53
2428	TUBB2A Tubulin beta-2A chain	IPI00013475,IPI00031370	49,889.10	123	154	ESESCDCQLQGFQLTHSLGGG K TGSGMGTLLISK	I	3,343.52
2429	GMNN Geminin	IPI00026309	23,547.40	123	133	EIEQKDNEIAR K	L	1,344.68
2430	NME3 Nucleoside diphosphate kinase 3	IPI00012315	18,997.20	123	131	GDFCIEVGK R	N	1,024.48
2431	BTF3 Isoform 1 of Transcription factor BTF3	IPI00221035	22,150.30	123	141	VQASLAANTFTITGHAETK K	Q	1,960.01
2432	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	123	136	DCGATWVVLGHSER K	R	1,586.74
2433	APOBEC3C Probable DNA dC->dU-editing enzyme APOBEC-3C	IPI00555878,IPI00872929	22,808.00	123	136	LYYFQYPCYQGLR R	S	1,899.87
2434	SET Isoform 1 of Protein SET	IPI00072377	33,471.40	123	132	VEVTEFEDIK R	S	1,208.60
2435	GSTO1 Glutathione S-transferase omega-1	IPI00019755,IPI00642936	27,549.20	123	132	VPSLVGSFIR K	S	1,074.63
2436	HNRNPC Isoform C1 of Heterogeneous nuclear ribonucleoproteins C1/C2	IPI00216592,IPI00477313,IPI00909232	32,320.00	123	129	MYSYPAR R	V	903.4029
2437	PDLIM1 PDZ and LIM domain protein 1	IPI00010414	36,053.30	123	138	SAMPFTASPASSTTAR R	V	1,598.75
2438	TCEA1 Isoform 1 of Transcription elongation factor A protein 1	IPI00333215	33,952.60	124	132	DTYVSSFPR R	A	1,071.51
2439	PGK1 Phosphoglycerate kinase 1	IPI00169383	44,597.30	124	133	FHVEEKGK R	D	1,159.57
2440	RPL23 60S ribosomal protein L23	IPI00010153,IPI00795408	14,847.90	124	131	ECADLWPR K	I	1,046.47
2441	CACYBP Isoform 1 of Calcyclin-binding protein	IPI00395627	26,192.30	124	143	YSMIVNLLKPISEVGSSK K	K	2,166.15
2442	RPL23A;hCG_16001 60S ribosomal protein L23a	IPI00021266	17,678.20	124	134	VNTLIRPDGEK K	K	1,241.69

2443	RPL23A;hCG_16001 60S ribosomal protein L23a	IPI00021266	17,678.20	124	134	VNTLIRPDGEK	K	K	1,241.69
2444	STIP1 Stress-induced-phosphoprotein 1	IPI00013894,IPI00871856	62,624.10	124	136	FMNPFNMPNLYQK	K	L	1,675.76
2445	HIST2H3A;HIST2H3D;HIST2H3C Histone H3.2	IPI00171611,IPI00219038,IPI00465070,IPI00909530	15,370.70	124	129	DIQLAR	K	R	715.4098
2446	HIST2H3A;HIST2H3D;HIST2H3C Histone H3.2	IPI00171611,IPI00219038,IPI00465070,IPI00909530	15,370.70	124	129	DIQLAR	K	R	715.4098
2447	GLO1 Lactoylglutathione lyase	IPI00220766	20,760.80	124	140	GFGHIGIAVPDVYSACK	R	R	1,790.89
2448	TTC4 Tetratricopeptide repeat protein 4	IPI00000606,IPI00514593	44,662.10	124	134	AAAQYYLGNFR	R	S	1,273.63
2449	KPNA2;LOC728860 Importin subunit alpha-2	IPI00002214,IPI00789457	57,844.50	124	130	FVSFLGR	K	T	825.4617
2450	HNRNPA2B1 43 kDa protein	IPI00874030	43,234.30	124	150	GFGFVTFSSMAEVDAMAAR	R	V	2,859.32
2451	HNRNPA2B1 43 kDa protein	IPI00874030	43,234.30	124	150	PHSIDGR GFGFVTFSSMAEVDAMAAR	R	V	2,859.32
2452	PHB2 Prohibitin-2	IPI00027252	33,279.60	124	131	PHSIDGR LGLDYEER	R	V	994.4841
2453	CACYBP Isoform 1 of Calcyclin-binding protein	IPI00395627	26,192.30	124	144	YSMIVNLLKPIISVEGSSKK	K	V	2,310.24
2454	G3BP1 Ras GTPase-activating protein-binding protein 1	IPI00012442	52,144.80	124	132	FYVHNDIFR	K	Y	1,210.60
2455	G3BP1 Ras GTPase-activating protein-binding protein 1	IPI00012442	52,144.80	124	132	FYVHNDIFR	K	Y	1,210.60
2456	PCBP2 poly(rC) binding protein 2 isoform b	IPI00012066,IPI00790627	38,204.50	125	144	ESTGAQVQVAGDMLPNSTER	R	A	2,089.98
2457	PCBP2 poly(rC) binding protein 2 isoform b	IPI00012066,IPI00790627	38,204.50	125	144	ESTGAQVQVAGDMLPNSTER	R	A	2,105.98
2458	PCBP1 Poly(rC)-binding protein 1	IPI00016610	37,480.20	125	144	ESTGAQVQVAGDMLPNSTER	R	A	2,089.98
2459	PCBP1 Poly(rC)-binding protein 1	IPI00016610	37,480.20	125	144	ESTGAQVQVAGDMLPNSTER	R	A	2,105.98
2460	UFD1L Isoform Short of Ubiquitin fusion degradation protein 1 homolog	IPI00218292,IPI00655754,IPI00873326	34,483.20	125	139	FQPQSPDFLDITNPK	K	A	1,746.87
2461	CD81 CD81 antigen	IPI00000190,IPI00657752	25,791.80	125	144	QFYDQALQQAVVDDANNAK	K	A	2,253.04
2462	JUP Junction plakoglobin	IPI00554711	81,727.90	125	142	SAIVHLINYQDDAELATR	K	A	2,029.04
2463	BUB1 Mitotic checkpoint serine/threonine-protein kinase BUB1	IPI00783305,IPI00916549	122,358.80	125	133	GIQNQAEPR	R	E	1,012.52
2464	PSMD13 proteasome 26S non-ATPase subunit 13 isoform 2	IPI00375380,IPI00549672	42,924.90	125	134	LNIGDLQVTK	K	E	1,100.63
2465	EHD1 EH domain-containing protein 1	IPI00017184	60,611.10	125	135	LNAFGNAFLNR	K	F	1,236.65
2466	NCL Nucleolin	IPI00604620	76,597.90	125	132	KGAAIPAK	K	G	755.4775
2467	RPS23 40S ribosomal protein S23	IPI00218606	15,789.70	125	135	VANVSLALYK	K	G	1,190.71
2468	TALDO1 Transaldolase	IPI00744692	37,523.70	125	138	LIELYKEAGISKDR	R	I	1,634.91
2469	RAP1B Ras-related protein Rap-1b	IPI00015148,IPI00796349	20,806.90	125	136	VVGKEQGQNLAR	R	Q	1,298.72
2470	MRPL11 39S ribosomal protein L11, mitochondrial	IPI00007001,IPI00333848	20,665.90	125	142	AQDEAFALQDVPLSSVVR	K	S	1,945.00
2471	GRB2 Isoform 1 of Growth factor receptor-bound protein 2	IPI00021327	25,188.80	125	136	FNSLNELVDYHR	K	S	1,506.73
2472	ACAT2 Acetyl-CoA acetyltransferase, cytosolic	IPI00291419	41,332.40	125	132	APHLAYLR	K	T	940.5363
2473	DCXR L-xylulose reductase	IPI00448095,IPI00797249	25,894.20	126	141	GVPGAIVNVSSQCSQR	R	A	1,658.83
2474	RPSA 33 kDa protein	IPI00413108,IPI00553164,IPI00793137,IPI00847766	33,295.50	126	133	LLVVTDPK	R	A	912.5514
2475	HEBP1 Heme-binding protein 1	IPI00148063	21,079.40	126	140	EGITVYSMQFGGYAK	R	E	1,666.78
2476	RBMX Heterogeneous nuclear ribonucleoprotein G	IPI00304692	42,315.70	126	144	GGHMDDGGYSMNFNMSSSR	R	G	2,097.77
2477	C6orf108 c-Myc-responsive protein Rcl	IPI00007926	19,090.30	126	132	VLSAMIR	R	G	789.4651
2478	GOT2 Aspartate aminotransferase, mitochondrial	IPI00018206	47,458.60	126	139	FVTVQTISGTGALR	R	I	1,449.81
2479	TXNDC9 Thioredoxin domain-containing protein 9	IPI00022386,IPI00917664	26,517.00	126	137	LNVEKAPFLCER	K	L	1,475.77
2480	COMMD8 COMM domain-containing protein 8	IPI00016447,IPI00871891	21,072.90	126	137	LALSSDKIAALR	K	M	1,257.75
2481	ACTN4 Alpha-actinin-4	IPI00013808	104,839.20	126	140	LVSIGAEIIVDGNNAK	K	M	1,514.81
2482	NCL Nucleolin	IPI00604620	76,597.90	126	135	GAAIPAKGAK	K	N	883.5361
2483	C12orf44 UPF0453 protein C12orf44	IPI00305296	24,984.30	126	137	VHVVALATEQER	K	Q	1,351.73
2484	RPS14 40S ribosomal protein S14	IPI00026271	16,254.90	126	141	IGRIEDVTPIPSDSTR	K	R	1,755.92
2485	MDH1 Malate dehydrogenase, cytoplasmic	IPI00291005,IPI00915869	36,408.90	126	142	VIVVGNPANTNCLTASK	K	S	1,757.92

2486	MDH1 Malate dehydrogenase, cytoplasmic	IPI00291005,IPI00915869	36,408.90	126	142	VIVVGNPANTNCLTASK	K	S	1,757.92
2487	PPIA Peptidyl-prolyl cis-trans isomerase A	IPI00419585,IPI00887678	17,994.90	126	131	HVVFGK	K	V	686.3984
2488	CBX3;LOC653972 Chromobox protein homolog 3	IPI00297579	20,794.00	126	141	IIGATDSSGELMFLMK	R	W	1,728.86
2489	YWHAH 14-3-3 protein eta	IPI00216319	28,201.60	126	132	MKGDYYR	K	Y	932.4295
2490	YWHAG 14-3-3 protein gamma	IPI00220642	28,285.10	126	132	MKGDYYR	K	Y	932.4295
2491	COPB1 Coatomer subunit beta	IPI00295851	107,128.00	127	141	LKEAEELLEPLMPAIR	K	A	1,738.98
2492	- cDNA FLJ54554, highly similar to Pyruvate kinase isozymes M1/M2	IPI00910979	56,255.30	127	136	ITLDNAYMEK	K	C	1,197.58
2493	FDPS Farnesyl pyrophosphate synthetase	IPI00914566	48,258.70	127	135	GLTVVVAFR	R	E	961.5829
2494	HNRNPA3 Isoform 1 of Heterogeneous nuclear ribonucleoprotein A3	IPI00419373	39,577.10	127	134	KIFVGGIK	K	E	861.5558
2495	NONO Non-POU domain-containing octamer-binding protein	IPI00304596	54,213.60	127	135	VELDNMPLR	K	G	1,086.56
2496	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IPI00290770,IPI00553185	60,446.30	127	138	KALDDMISTLKK	R	I	1,362.77
2497	CCT7 T-complex protein 1 subunit eta	IPI00018465	59,349.80	127	135	TATQLAVNK	R	I	945.5364
2498	NAT13 Isoform 1 of N-acetyltransferase 13	IPI00018627	19,380.90	127	135	FGFEIETK	K	K	1,083.57
2499	QPRT Nicotinate-nucleotide pyrophosphorylase [carboxylating]	IPI00300086,IPI00872692	30,797.30	127	138	GAGWTGHVAGTR	R	K	1,169.58
2500	TMPO Lamina-associated polypeptide 2, isoform alpha	IPI00216230	75,475.80	127	139	YGVNPGPIVGTTTR	K	K	1,330.71
2501	TMPO Lamina-associated polypeptide 2, isoform alpha	IPI00216230	75,475.80	127	139	YGVNPGPIVGTTTR	K	K	1,330.71
2502	BUB3 Mitotic checkpoint protein BUB3	IPI00013468,IPI00514701,IPI00644108	37,136.70	127	149	TPCNAGTFSQPEKVYTLSSVS GDR	R	L	2,514.19
2503	NAT13 Isoform 1 of N-acetyltransferase 13	IPI00018627	19,380.90	127	136	FGFEIETKK	K	N	1,211.67
2504	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	127	155	MKEIAEAYLGYPVTVNAVITVPA YFNDSQR	K	Q	3,276.62
2505	LRRC59 Leucine-rich repeat-containing protein 59	IPI00396321	34,913.40	127	138	VAGDCLDEKQCK	K	Q	1,422.64
2506	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	70,881.80	127	137	MKEIAEAYLGK	K	T	1,268.66
2507	BUB3 Mitotic checkpoint protein BUB3	IPI00013468,IPI00514701,IPI00644108	37,136.70	127	139	TPCNAGTFSQPEK	R	V	1,436.65
2508	H1FX Histone H1x	IPI00021924	22,469.90	128	143	RGAPAAATAPAPTAHK	R	A	1,487.81
2509	ARPC2 Actin-related protein 2/3 complex subunit 2	IPI00005161	34,315.70	128	141	YFQEQEEGKEGENR	K	A	1,760.79
2510	HNRNPA3 Isoform 1 of Heterogeneous nuclear ribonucleoprotein A3	IPI00419373	39,577.10	128	143	IFVGGIKEDTEEYNLR	K	D	1,882.95
2511	TAGLN2 Transgelin-2	IPI00550363	22,373.90	128	139	TLMNLGGLAVAR	R	D	1,215.69
2512	YWHAB Isoform Short of 14-3-3 protein beta/alpha	IPI00759832	27,832.80	128	158	YLSEVASGDNKQTTVNSQQ AYQEAFEISK	R	E	3,450.67
2513	NACA Nascent polypeptide-associated complex subunit alpha	IPI00023748,IPI00797126,IPI00797259	23,365.30	128	142	IEDLSQQAQLAAAEK	K	F	1,614.83
2514	NACA Nascent polypeptide-associated complex subunit alpha	IPI00023748,IPI00797126,IPI00797259	23,365.30	128	142	IEDLSQQAQLAAAEK	K	F	1,614.83
2515	YWHAZ 14-3-3 protein zeta/delta	IPI00021263	27,727.90	128	139	YLAEVAAGDDKK	R	G	1,279.65
2516	RPL7 60S ribosomal protein L7	IPI00030179,IPI00472171,IPI00871827	29,209.70	128	134	ASINMLR	K	I	804.4396
2517	HMGB1 High mobility group protein B1	IPI00419258	24,876.70	128	146	KLGEMWNNTAADDKQPYEK	K	K	2,254.04
2518	YWHAZ 14-3-3 protein zeta/delta	IPI00021263	27,727.90	128	157	YLAEVAAGDDKKGIVDQSQQ AYQEAFEISK	R	K	3,301.62
2519	YWHAQ 14-3-3 protein theta	IPI00018146	27,747.40	128	138	YLAEVACGDDR	R	K	1,268.56
2520	YWHAB Isoform Short of 14-3-3 protein beta/alpha	IPI00759832	27,832.80	128	157	YLSEVASGDNKQTTVNSQQ AYQEAFEISK	R	K	3,322.57
2521	UBA1 Ubiquitin-like modifier-activating enzyme 1	IPI00645078	117,832.30	128	134	AEVSQPR	R	L	786.4104
2522	YARS Tyrosyl-tRNA synthetase, cytoplasmic	IPI00007074	59,127.10	128	135	EYTLDVYR	K	L	1,058.52
2523	ARF1 ADP-ribosylation factor 1	IPI00215914,IPI00215917	20,679.60	128	142	QDLPNAMNAEITDK	K	L	1,646.77
2524	YWHAQ 14-3-3 protein theta	IPI00018146	27,747.40	128	139	YLAEVACGDDRK	R	Q	1,396.65
2525	YWHAB Isoform Short of 14-3-3 protein beta/alpha	IPI00759832	27,832.80	128	138	YLSEVASGDNK	R	Q	1,182.56
2526	FARSA Phenylalanyl-tRNA synthetase alpha chain	IPI00031820,IPI00909657	57,546.50	128	138	VVDSMEDEVQR	R	R	1,322.59
2527	PSPC1 Isoform 1 of Paraspeckle component 1	IPI00103525,IPI00395775	58,726.50	128	143	TLAEIAKAELDGTILK	R	S	1,685.97

2528	ILF2 Interleukin enhancer-binding factor 2	IPI00005198,IPI00872107	43,044.70	128	141	ILPTLEAVALGNK	K	V	1,409.84
2529	HNRNPA3 Isoform 1 of Heterogeneous nuclear ribonucleoprotein A3	IPI00419373	39,577.10	128	148	IFVGGIKEDTEEYNLRDYFEK	K	Y	2,565.25
2530	BTF3L4 Transcription factor BTF3 homolog 4	IPI00412792	17,253.00	129	158	APKPEDIDEEDDDVPDLVENF	K	-	3,359.46
2531	BTF3L4 Transcription factor BTF3 homolog 4	IPI00412792	17,253.00	129	158	DEASKNEAN APKPEDIDEEDDDVPDLVENF DEASKNEAN	K	-	3,359.46
2532	H1FX Histone H1x	IPI00021924	22,469.90	129	143	GAPAAATAPAPTAHK	R	A	1,331.71
2533	H1FX Histone H1x	IPI00021924	22,469.90	129	143	GAPAAATAPAPTAHK	R	A	1,331.71
2534	HMGB2 High mobility group protein B2	IPI00219097	24,016.60	129	139	LGEMWSEQSAK	K	D	1,265.58
2535	PIP4K2C Phosphatidylinositol-5-phosphate 4-kinase type-2 gamma	IPI00152303,IPI00896381	47,268.90	129	140	NPPSESEGS DGR	R	F	1,231.52
2536	PRDX1 Peroxiredoxin-1	IPI00000874	22,092.90	129	136	GLFIIDDK	R	G	920.509
2537	STUB1 Isoform 1 of STIP1 homology and U box-containing protein 1	IPI00025156	34,839.00	129	140	LNFGDDIPSALR	R	I	1,317.68
2538	RPS14 40S ribosomal protein S14	IPI00026271	16,254.90	129	142	IEDVTPIPSDSTRR	R	K	1,585.82
2539	HMGB1 High mobility group protein B1	IPI00419258	24,876.70	129	146	LGEMWNNTAADDKQPYEK	K	K	2,125.95
2540	RAP1B Ras-related protein Rap-1b	IPI00015148,IPI00796349	20,806.90	129	136	EQQGNLAR	K	Q	915.4643
2541	PRDX1 Peroxiredoxin-1	IPI00000874	22,092.90	129	140	GLFIIDDKGILR	R	Q	1,359.80
2542	FMR1 Isoform 8 of Fragile X mental retardation 1 protein	IPI00645666	66,228.40	129	138	IKLDVPEDLR	K	Q	1,197.68
2543	RPS14 40S ribosomal protein S14	IPI00026271	16,254.90	129	141	IEDVTPIPSDSTR	R	R	1,429.72
2544	PCTP Phosphatidylcholine transfer protein	IPI00296927	24,826.00	129	136	KIHVILAR	R	S	949.6306
2545	CMPK1 cytidine monophosphate (UMP-CMP) kinase 1, cytosolic isoform a	IPI00219953	25,837.80	129	138	NQDNLQGWNK	R	T	1,216.57
2546	RPL10 60S ribosomal protein L10	IPI00554723,IPI00646899,IPI00853161	24,586.60	129	139	VHIGQVIMSIR	R	T	1,268.71
2547	ARMC1 Armadillo repeat-containing protein 1	IPI00018260	31,263.00	130	141	KAQFFLGTTNKR	R	A	1,410.79
2548	HNRNPC Isoform C1 of Heterogeneous nuclear ribonucleoproteins C1/C2	IPI00216592,IPI00477313,IPI00909232	32,320.00	130	138	VPPPPPIAR	R	A	943.5725
2549	XRCC5 ATP-dependent DNA helicase 2 subunit 2	IPI00220834,IPI00871391	82,689.10	130	141	RHIEIFTDLSSR	K	F	1,473.78
2550	RPS10 40S ribosomal protein S10	IPI00008438	18,880.30	130	153	SAVPPGADKKAEAGAGSATE	R	G	2,392.19
2551	RPS10 40S ribosomal protein S10	IPI00008438	18,880.30	130	153	FQFR SAVPPGADKKAEAGAGSATE	R	G	2,392.19
2552	RPS19 40S ribosomal protein S19	IPI00215780	16,042.50	130	143	FQFR DLDRIAGQVAAANK	R	K	1,441.78
2553	GIN5 DNA replication complex GINS protein PSF2	IPI00007146	21,410.80	130	137	VSADSFVR	R	Q	880.4522
2554	VIM Vimentin	IPI00418471	53,634.60	130	143	ILLAELEQLKGQ GK	K	S	1,539.91
2555	PSMG2 Proteasome assembly chaperone 2	IPI00644482	29,379.40	130	135	NDLQLR	R	S	758.4156
2556	UBE2N Ubiquitin-conjugating enzyme E2 N	IPI00003949	17,120.60	131	141	TNEAQAIETAR	K	A	1,203.60
2557	LASP1 Isoform 1 of LIM and SH3 domain protein 1	IPI00000861,IPI00386803,IPI00883946	29,698.80	131	144	MGPSGGEGMEPERR	R	D	1,521.64
2558	TCP1 T-complex protein 1 subunit alpha	IPI00290566	60,327.20	131	145	YINENLIVNTDELGR	R	D	1,762.90
2559	RAB2B Ras-related protein Rab-2B	IPI00102896	24,197.10	131	139	REEGEAFAR	K	E	1,064.51
2560	FN3KRP Ketosamine-3-kinase	IPI00099986	34,394.70	131	142	GGGQEERPFVAR	R	F	1,302.66
2561	HNRNPA1 Isoform A1-B of Heterogeneous nuclear ribonucleoprotein A1	IPI00215965,IPI00465365	38,828.10	131	140	IEVIEIMTDR	K	G	1,234.64
2562	BUD31 Protein BUD31 homolog	IPI00013180	16,982.30	131	140	IIECTHCGCR	R	G	1,305.55
2563	CLIC4 Chloride intracellular channel protein 4	IPI00001960	28,755.60	131	142	NSRPEANEALER	K	G	1,385.68
2564	DNAJA1 DnaJ homolog subfamily A member 1	IPI00012535	44,850.60	131	140	NVICDKCEGR	K	G	1,250.56
2565	RPL12 Isoform 1 of 60S ribosomal protein L12	IPI00024933	17,801.10	131	146	EILGTAQSVGCNVDGR	K	H	1,675.81
2566	RPL12 Isoform 1 of 60S ribosomal protein L12	IPI00024933	17,801.10	131	146	EILGTAQSVGCNVDGR	K	H	1,675.81
2567	SMAD5 Mothers against decapentaplegic homolog 5	IPI00017730,IPI00903182	52,239.90	131	143	VESFVLPVLPVPR	R	H	1,401.85
2568	MCM6 DNA replication licensing factor MCM6	IPI00031517	92,872.60	131	136	IGLLTR	R	I	672.4404
2569	KPNA1 Importin subunit alpha-1	IPI00303292	60,232.00	131	137	FVEFLKR	R	K	938.5458
2570	RPL6 60S ribosomal protein L6	IPI00329389,IPI00790342,IPI00867533	32,711.30	131	138	KPFSQHVR	K	K	998.553

2571	YWHAE 14-3-3 protein epsilon	IPI00000816	29,157.00	131	141	YLAEFATGNDR	R	K	1,256.59
2572	TXNDC9 Thioredoxin domain-containing protein 9	IPI00022386,IPI00917664	26,517.00	131	137	APFLCER	K	L	892.4346
2573	EEF1B2 Elongation factor 1-beta	IPI00178440	24,746.20	131	139	AKKPALVAK	K	S	925.6194
2574	CALD1 Isoform 5 of Caldesmon	IPI00333771	61,195.30	131	146	MQNDTAENETTEKEEK	R	S	1,912.81
2575	NIT2 Nitrilase homolog 2	IPI00549467,IPI00872668	30,590.80	131	147	TLSPGDSFSTFDTPYCR	K	V	1,950.85
2576	ARL5B ADP-ribosylation factor-like protein 5B	IPI00102036	20,357.10	131	140	GCMTAAEISK	K	Y	1,067.49
2577	RPS16 40S ribosomal protein S16	IPI00221092	16,427.90	132	138	FGGPGAR	K	A	661.3417
2578	SERPINB6 Putative uncharacterized protein DKFZp686I04222	IPI00413451,IPI00749398	46,353.40	132	140	SCDFLSSFR	K	D	1,118.49
2579	SF3A1 Splicing factor 3 subunit 1	IPI00017451	88,868.10	132	144	VQAQVIQETIVPK	K	E	1,452.84
2580	PPIA Peptidyl-prolyl cis-trans isomerase A	IPI00419585,IPI00887678	17,994.90	132	144	VKEGMNIVEAMER	K	F	1,505.75
2581	PPIA Peptidyl-prolyl cis-trans isomerase A	IPI00419585,IPI00887678	17,994.90	132	144	VKEGMNIVEAMER	K	F	1,537.74
2582	PRMT1 HMT1 hnRNP methyltransferase-like 2 isoform 1	IPI00018522,IPI00215734,IPI00382516,IPI00909470,IPI00914913	42,444.20	132	143	ANKLDHVVTIIK	K	G	1,350.81
2583	C14orf166 UPF0568 protein C14orf166	IPI00006980	28,051.30	132	145	AGVMALANLLQIQR	K	H	1,513.85
2584	HN1L Isoform 1 of Hematological and neurological expressed 1-like protein	IPI00027397,IPI00909195	20,045.60	132	146	SIPAGAEPGEKGSAR	R	K	1,426.73
2585	CCDC97 Coiled-coil domain-containing protein 97	IPI00061777	38,928.70	132	141	ADFYCAEVAR	R	Q	1,201.53
2586	SFRS6 Isoform SRP55-1 of Splicing factor, arginine/serine-rich 6	IPI00012345,IPI00215879,IPI00556297	39,570.40	132	145	QAGEVTYADAHKER	R	T	1,574.76
2587	DRG2 Developmentally-regulated GTP-binding protein 2	IPI00022697,IPI00794194	40,729.80	132	138	QVIAVAR	R	T	756.4726
2588	CTTN Src substrate cortactin	IPI00029601	61,567.40	132	144	VDQSAVGFQYQGK	R	T	1,427.68
2589	NANS Sialic acid synthase	IPI00147874	40,289.90	132	145	VGSGDTNNFPYLEK	K	T	1,540.73
2590	SNRNP40 cDNA FLJ56825, highly similar to WD repeat protein 57	IPI00006723	44,498.40	132	143	TVAVWDSSETGER	K	V	1,349.63
2591	TOMM20 Mitochondrial import receptor subunit TOM20 homolog	IPI00016676	16,280.30	133	145	IVSAQSLAEDDVE	R	-	1,375.66
2592	WIBG Isoform 1 of Protein wibg homolog	IPI00305092,IPI00790634,IPI00914992	22,637.90	133	150	AAPTAASDQPDSAAATTEK	R	A	1,731.80
2593	MOSC1 Isoform 1 of MOSC domain-containing protein 1, mitochondrial	IPI00305258,IPI00828198	37,482.00	133	148	LLLLPIKTPPTTNAVHK	K	C	1,761.03
2594	CFL1 Cofilin-1	IPI00012011	18,485.10	133	146	HELQANCYEEVKDR	K	C	1,790.81
2595	RAC1 Isoform A of Ras-related C3 botulinum toxin substrate 1	IPI00010271,IPI00219675	21,432.60	133	147	KLTPITYPQGLAMAK	K	E	1,647.91
2596	PAFAH1B3 Platelet-activating factor acetylhydrolase IB subunit gamma	IPI00014808	25,715.60	133	141	VVVLGLLPR	R	G	965.6507
2597	PAFAH1B3 Platelet-activating factor acetylhydrolase IB subunit gamma	IPI00014808	25,715.60	133	141	VVVLGLLPR	R	G	965.6507
2598	LCP1 Plastin-2	IPI00010471	70,274.10	133	141	ALENDPDCR	K	H	1,089.46
2599	TXNL1 Thioredoxin-like protein 1	IPI00305692,IPI00642032	32,233.40	133	151	AGCECLNESDEHGFNDCLR	K	K	2,282.89
2600	TES Isoform 1 of Testin	IPI00024097,IPI00216425,IPI00873055	47,977.60	133	146	EKQPVAGSEGAQYR	K	K	1,519.75
2601	PTPLAD1 Protein tyrosine phosphatase-like protein PTPLAD1	IPI00008998	43,143.10	133	146	LESEGSPETLTNLR	R	K	1,545.78
2602	PTPLAD1 Protein tyrosine phosphatase-like protein PTPLAD1	IPI00008998	43,143.10	133	146	LESEGSPETLTNLR	R	K	1,545.78
2603	PRDX6 Peroxiredoxin-6	IPI00220301	25,018.10	133	141	VVVFVGPDK	R	K	1,007.56
2604	TCEA1 Isoform 1 of Transcription elongation factor A protein 1	IPI00333215	33,952.60	133	141	APSTSDSVR	R	L	919.4479
2605	RPS3 40S ribosomal protein S3	IPI00011253	26,670.50	133	141	GCEVVVSGK	K	L	934.4663
2606	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	133	162	HIADLAGNSEVILPVPAFNVIN	R	L	3,011.57
2607	DDX17 DEAD box polypeptide 17 isoform 1	IPI00023785,IPI00651653	80,256.00	133	143	GGSHAGNK			
2608	PRDX6 Peroxiredoxin-6	IPI00220301	25,018.10	133	142	NFYVEHPEVAR	K	L	1,360.66
2609	PRDX6 Peroxiredoxin-6	IPI00220301	25,018.10	133	142	VVVFVGPDKK	R	L	1,135.65
2610	TBCB Tubulin folding cofactor B	IPI00293126	27,307.50	133	148	YNEEERAQQEAEAAQR	R	L	1,921.86
2611	YWHAH 14-3-3 protein eta	IPI00216319	28,201.60	133	143	YLAEVASGEKK	R	N	1,194.64
2612	PPP1CA Serine/threonine-protein phosphatase PP1-alpha catalytic subunit	IPI00550451	37,495.90	133	141	IYGFYDECK	R	R	1,194.51

2613	YWHAG 14-3-3 protein gamma	IPI00220642	28,285.10	133	142	YLAEVATGEK	R	R	1,080.56
2614	EEF1B2 Elongation factor 1-beta	IPI00178440	24,746.20	133	139	KPALVAK	K	S	726.4873
2615	NOSIP Nitric oxide synthase-interacting protein	IPI00006408	33,154.00	133	157	ALSGTSPDDVQPGPSVGPSS KDKDK	K	V	2,479.23
2616	PBK cDNA FLJ58333, highly similar to T-lymphokine-activated killer cell-originated protein kinase	IPI00306708	37,194.90	133	145	ASQDPFPAAILK	K	V	1,370.77
2617	CCT5 T-complex protein 1 subunit epsilon	IPI00010720,IPI00910316	59,654.30	133	142	IADGYEQAAR	R	V	1,093.53
2618	RPS13 40S ribosomal protein S13	IPI00221089	17,205.30	133	140	RVLPPNWK	K	Y	1,009.59
2619	PPP6C Serine/threonine-protein phosphatase 6 catalytic subunit	IPI00012970,IPI00890743,IPI00890827	35,126.80	133	140	YGNANAWR	K	Y	951.443
2620	RPS19 40S ribosomal protein S19	IPI00215780	16,042.50	134	144	IAGQVAAANKK	R	-	1,070.63
2621	YRDC YrdC domain-containing protein, mitochondrial	IPI00384180	29,310.30	134	142	VRVPEGLLK	R	D	1,010.64
2622	PHB Prohibitin	IPI00017334,IPI00791634	29,786.60	134	143	FDAGELITQR	R	E	1,149.59
2623	RAC3 Ras-related C3 botulinum toxin substrate 3	IPI00023138	21,361.10	134	147	LAPITYPQGLAMAR	K	E	1,517.81
2624	RAC1 Isoform A of Ras-related C3 botulinum toxin substrate 1	IPI00010271,IPI00219675	21,432.60	134	147	LTPITYPQGLAMAK	K	E	1,519.82
2625	RAC1 Isoform A of Ras-related C3 botulinum toxin substrate 1	IPI00010271,IPI00219675	21,432.60	134	147	LTPITYPQGLAMAK	K	E	1,519.82
2626	PPIA Peptidyl-prolyl cis-trans isomerase A	IPI00419585,IPI00887678	17,994.90	134	144	EGMNIVEAMER	K	F	1,294.58
2627	PAFAH1B2 Platelet-activating factor acetylhydrolase IB subunit beta	IPI00026546	25,551.50	134	142	IIVLGLLPR	K	G	993.6821
2628	PAFAH1B2 Platelet-activating factor acetylhydrolase IB subunit beta	IPI00026546	25,551.50	134	142	IIVLGLLPR	K	G	993.6821
2629	EIF2B3 Isoform 1 of Translation initiation factor eIF-2B subunit gamma	IPI00006504	50,223.30	134	146	KGQDSIEPVPQK	R	G	1,382.73
2630	SEC22B Vesicle-trafficking protein SEC22b	IPI00006865	24,723.40	134	147	NLGSINTELQDVQR	R	I	1,586.81
2631	RPS19 40S ribosomal protein S19	IPI00215780	16,042.50	134	143	IAGQVAAANK	R	K	942.5367
2632	SELS Selenoprotein S	IPI00020468,IPI00793181,IPI00916735	21,098.40	134	151	KPQEEDSPGPSTSSVLKR	K	K	1,941.99
2633	HNRNPR heterogeneous nuclear ribonucleoprotein R isoform 1	IPI00644055	71,197.20	134	145	TGYTLDVTTGQR	R	K	1,311.65
2634	HNRNPR heterogeneous nuclear ribonucleoprotein R isoform 1	IPI00644055	71,197.20	134	145	TGYTLDVTTGQR	R	K	1,311.65
2635	CDC2 Putative uncharacterized protein DKFZp686L2022	IPI00026689	34,762.10	134	149	DLKPNLLIDDKGTIK	R	L	1,811.03
2636	KPNA6 cDNA FLJ53229, highly similar to Importin alpha-7 subunit	IPI00747764	60,563.50	134	140	FVEFLKR	R	N	938.5458
2637	AP1S1 Isoform 1 of AP-1 complex subunit sigma-1A	IPI00152898	18,715.90	134	149	AIEQADLLQEEDESPR	K	S	1,842.87
2638	ZNF503 Isoform 1 of Zinc finger protein 503	IPI00304992	62,538.00	134	158	LSSVASNGGGAGGAGGGAA GDKDTK	K	S	2,061.98
2639	SERPINH1 Serpin H1	IPI00032140	46,424.00	134	148	LYGPSSVSFADDFVR	R	S	1,659.80
2640	DRG1 Developmentally-regulated GTP-binding protein 1	IPI00031836	40,525.80	134	140	QVIAVAR	R	T	756.4726
2641	ATP5A1 ATP synthase subunit alpha, mitochondrial	IPI00440493	59,734.10	134	149	TGAIVDVPVGEELLGR	R	V	1,624.89
2642	RPSA 33 kDa protein	IPI00413108,IPI00553164,IPI00793137,IPI00847766	33,295.50	134	160	ADHQLPTEASYVNLPTIALCN TDSPLR	R	Y	2,996.48
2643	NDUFA12 13kDa differentiation-associated protein variant (Fragment)	IPI00005966	17,196.50	135	146	IQEWIPPSTPYK	K	-	1,458.76
2644	RPL26 60S ribosomal protein L26	IPI00027270	17,240.40	135	145	YKEETIEKMQE	K	-	1,443.67
2645	PTBP1 Isoform 1 of Polypyrimidine tract-binding protein 1	IPI00179964,IPI00183626,IPI00334175	57,204.50	135	146	ELKTDSSPNQAR	K	A	1,345.67
2646	CBR1 Carbonyl reductase [NADPH] 1	IPI00295386	30,356.80	135	145	VVNVSIMSVMR	R	A	1,190.66
2647	BZW1 Isoform 2 of Basic leucine zipper and W2 domain-containing protein 1	IPI00180128,IPI00785096,IPI00916112,IPI00916503,IPI00918019	40,522.00	135	140	LLLFLK	K	G	746.5176
2648	RPLP0 60S acidic ribosomal protein P0	IPI00008530	34,256.30	135	146	TSFFQALGITTK	K	I	1,313.71
2649	EEF1A2 Elongation factor 1-alpha 2	IPI00014424	50,452.60	135	146	EHALLAYTLGVK	R	Q	1,314.74
2650	EEF1A1 Elongation factor 1-alpha 1	IPI00396485	50,123.20	135	146	EHALLAYTLGVK	R	Q	1,314.74

2651	EEF1A1 Elongation factor 1-alpha 1	IPI00396485	50,123.20	135	146	EHALLAYTLGVK	R	Q	1,314.74
2652	RPL7 60S ribosomal protein L7	IPI00030179,IPI00472171,IPI00871827	29,209.70	135	148	IVEPYIAWGYPNLK	R	S	1,662.89
2653	NPM1 Isoform 2 of Nucleophosmin	IPI00220740,IPI00549248	29,446.90	135	142	LLSISGKR	K	S	873.5517
2654	PITPNB Isoform 1 of Phosphatidylinositol transfer protein beta isoform	IPI00334907	31,522.30	135	146	TVEIVHIDIADR	K	S	1,380.75
2655	PTRH2 Peptidyl-tRNA hydrolase 2, mitochondrial	IPI00032903,IPI00555597	19,175.70	135	148	MLGLTVSLIQDAGR	K	T	1,473.81
2656	- cDNA FLJ52712, highly similar to Tubulin beta-6 chain	IPI00908469	46,683.90	135	146	IMNTFSVMPSPK	R	V	1,367.67
2657	STMN1 Stathmin	IPI00479997	17,285.00	136	149	NKESKDPADETead	K	-	1,548.67
2658	PSMD10 26S proteasome non-ATPase regulatory subunit 10	IPI00003565,IPI00027699	24,410.20	136	145	DHYEATAMHR	K	A	1,230.53
2659	UBE2S Ubiquitin-conjugating enzyme E2 S	IPI00217949	23,828.40	136	147	LLLENYEEYAAR	R	A	1,483.74
2660	UBE2S Ubiquitin-conjugating enzyme E2 S	IPI00217949	23,828.40	136	147	LLLENYEEYAAR	R	A	1,483.74
2661	BZW2 Basic leucine zipper and W2 domain-containing protein 2	IPI00022305,IPI00894416	48,146.00	136	141	LLLFLK	K	A	746.5176
2662	CDC123 Cell division cycle protein 123 homolog	IPI00005670	39,118.10	136	142	SSDFITR	K	D	825.4101
2663	PLS3 plastin 3	IPI00216694	70,795.90	136	144	ALENDPDCR	K	H	1,089.46
2664	PLS3 plastin 3	IPI00216694	70,795.90	136	144	ALENDPDCR	K	H	1,089.46
2665	NUP37 Nucleoporin Nup37	IPI00171665	36,689.20	136	150	EGQEIASVSDHTCR	K	I	1,703.73
2666	DDRKG1 Isoform 1 of Uncharacterized protein C20orf116	IPI00028387	35,593.00	136	145	EAEAEEREER	R	K	1,247.55
2667	PSMD4 Isoform Rpn10A of 26S proteasome non-ATPase regulatory subunit 4	IPI00022694	40,719.20	136	152	VNVDIINFGEDEVNTEK	K	L	1,948.95
2668	COMT Isoform Membrane-bound of Catechol O-methyltransferase	IPI00011284,IPI00375513	30,019.60	136	151	LITIEINPDCAAITQR	R	M	1,827.96
2669	GNB2L1 38 kDa protein	IPI00641950,IPI00848226	37,740.10	136	147	DVLSVAFSSDNR	K	Q	1,309.64
2670	GNB2L1 38 kDa protein	IPI00641950,IPI00848226	37,740.10	136	147	DVLSVAFSSDNR	K	Q	1,309.64
2671	ARL2BP Isoform 1 of ADP-ribosylation factor-like protein 2-binding protein	IPI00015866,IPI00845377	18,805.20	136	150	GLDLSGLVVTSLCK	R	S	1,548.83
2672	CAPNS1 Calpain small subunit 1	IPI00025084	28,298.60	136	145	TDGFGIDTCR	K	S	1,141.49
2673	CCDC124 Coiled-coil domain-containing protein 124	IPI00060627	25,817.70	136	145	VLEEGSVEAR	R	T	1,088.56
2674	CCDC124 Coiled-coil domain-containing protein 124	IPI00060627	25,817.70	136	145	VLEEGSVEAR	R	T	1,088.56
2675	UCHL1 Ubiquitin carboxyl-terminal hydrolase isozyme L1	IPI00018352	24,806.30	136	153	NEAIQAAHDAVAQEGQCR	K	V	1,967.90
2676	RPS5 40S ribosomal protein S5	IPI00008433	22,859.00	136	146	RQAVDV SPLRR	R	V	1,296.75
2677	ANXA2P2 Putative annexin A2-like protein	IPI00334627,IPI00455315	38,642.90	136	145	TNQLQEINR	R	V	1,244.62
2678	PPP2CA Serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform	IPI00008380	35,576.50	136	144	KYGNANVWK	R	Y	1,079.56
2679	ARD1A N-terminal acetyltransferase complex ARD1 subunit homolog A	IPI00013184	26,441.00	137	149	YYADGEDAYAMKR	K	D	1,568.67
2680	HNRNPD Isoform 1 of Heterogeneous nuclear ribonucleoprotein D0	IPI00028888,IPI00220684	38,416.50	137	146	SRGFGFVLFK	R	E	1,157.65
2681	NDUFB10 NADH dehydrogenase [ubiquinone] 1 beta subcomplex subunit 10	IPI00479905	20,758.70	137	147	YQDLGAYSSAR	R	K	1,230.57
2682	- Ribosomal protein S27	IPI00397358,IPI00513971,IPI00746004,IPI00888491,IPI00888789	16,859.90	137	144	LTEGCSFR	R	R	969.4459
2683	RAP1B Ras-related protein Rap-1b	IPI00015148,IPI00796349	20,806.90	137	149	QWNNCAFLESSAK	R	S	1,554.70
2684	RQCD1 Cell differentiation protein RCD1 homolog	IPI00023101	33,614.20	137	148	LTSLGVIGALVK	R	T	1,170.75
2685	SET Isoform 1 of Protein SET	IPI00072377	33,471.40	137	150	IDFYFDENPYFENK	R	V	1,840.81
2686	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	137	150	RHVFGEDELIGQK	R	V	1,614.82
2687	UCHL3 Ubiquitin carboxyl-terminal hydrolase isozyme L3	IPI00011250	26,164.80	137	145	YLENYDAIR	R	V	1,156.56
2688	PPP2CA Serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform	IPI00008380	35,576.50	137	144	YGNANVWK	K	Y	951.4682
2689	PPP2CA Serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform	IPI00008380	35,576.50	137	144	YGNANVWK	K	Y	951.4682
2690	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IPI00290770,IPI00553185	60,446.30	138	162	KISIPVDISDSMMLNIINSSIT TK	K	A	2,767.41

2691	SGTA Small glutamine-rich tetratricopeptide repeat-containing protein alpha	IPI00013949	34,045.90	138	150	LGNYAGAVQDCER	K	A	1,452.65
2692	NP cDNA FLJ25678 fis, clone TST04067, highly similar to PURINE NUCLEOSIDE PHOSPHORYLASE	IPI00017672,IPI00871140	32,533.50	138	158	DHINLPGFSGQNPLRGPNDER	R	F	2,333.14
2693	GNB1 Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1	IPI00026268	37,359.50	138	150	ELAGHTGYLSCCR	R	F	1,523.67
2694	GNB2 Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-2	IPI00003348	37,313.80	138	150	ELPGHTGYLSCCR	R	F	1,549.69
2695	PCNP Isoform 1 of PEST proteolytic signal-containing nuclear protein	IPI00291608,IPI00796456	18,907.40	138	150	DTPTSAGPNSFNK	R	G	1,335.62
2696	AGK Isoform 1 of Acylglycerol kinase, mitochondrial	IPI00019353	47,120.00	138	146	RTDEATFSK	R	I	1,054.52
2697	RPL7A 60S ribosomal protein L7a	IPI00299573	29,978.30	138	150	AGVNTVTTLVENK	R	K	1,345.73
2698	KIAA0174 Isoform 1 of Uncharacterized protein KIAA0174	IPI00024660,IPI00386516,IPI00420088,IPI00643007	39,734.20	138	147	TNQIGTVNDR	R	L	1,117.56
2699	COMMD4 Isoform 1 of COMM domain-containing protein 4	IPI00413500,IPI00852907	21,746.70	138	158	VDYTLSSLLQSVVEEPMVHLR	R	L	2,419.22
2700	RAB1B Ras-related protein Rab-1B	IPI00008964,IPI00896425	22,154.00	138	153	EFADSLGIPFLETSK	K	N	1,724.87
2701	ID4 DNA-binding protein inhibitor ID-4	IPI00026864	16,604.40	138	153	TPLTALNTDPAGAVNK	R	Q	1,582.84
2702	CNOT2 Isoform 1 of CCR4-NOT transcription complex subunit 2	IPI00005011,IPI00410623,IPI00789121	59,721.30	138	154	NMMNHSQVGGGIGIPSR	R	T	1,857.87
2703	SLC25A3 Isoform A of Phosphate carrier protein, mitochondrial	IPI00022202,IPI00215777,IPI00790115	40,077.90	138	145	FGFYEVFK	K	V	1,036.51
2704	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	138	150	HVFGESDELIGQK	R	V	1,458.72
2705	PABPC1 Isoform 1 of Polyadenylate-binding protein 1	IPI00008524	70,653.30	139	153	GYGFVHFETQEAAER	K	A	1,740.80
2706	HNRNPD Isoform 1 of Heterogeneous nuclear ribonucleoprotein D0	IPI00028888,IPI00220684	38,416.50	139	146	GFGFVLFK	R	E	914.5135
2707	YWHAQ 14-3-3 protein theta	IPI00018146	27,747.40	139	158	KQTIDNSQGAYQEAFDISKK	R	E	2,271.13
2708	RPS10 40S ribosomal protein S10	IPI00008438	18,880.30	139	153	KAEAGAGSATEFQFR	K	G	1,569.77
2709	RPA2 Isoform 1 of Replication protein A 32 kDa subunit	IPI00013939,IPI00646500,IPI00647667	29,228.70	139	145	KSLVAFK	K	I	792.4978
2710	PCNA Proliferating cell nuclear antigen	IPI00021700	28,751.30	139	146	MPSGEFAR	K	I	910.4088
2711	CLIC1 Chloride intracellular channel protein 1	IPI00010896	26,905.30	139	165	VLDNYLTSPLPEEVDETSAED EGVSQR	K	K	2,992.39
2712	TBCB Tubulin folding cofactor B	IPI00293126	27,307.50	139	148	AQQAEEAAQR	R	L	1,101.53
2713	PFKP 6-phosphofructokinase type C	IPI00009790	85,579.40	139	150	KEWSGLLEELAR	R	N	1,430.76
2714	AK1 Adenylate kinase isoenzyme 1	IPI00018342,IPI00640817	21,617.10	139	148	VDDNEETIKK	R	R	1,190.59
2715	PDLIM1 PDZ and LIM domain protein 1	IPI00010414	36,053.30	139	166	VITNQYNNPAGLYSSENISNF NNALESK	R	T	3,101.48
2716	RPL23A;hCG_16001 60S ribosomal protein L23a	IPI00021266	17,678.20	140	156	LAPDYDALDVANKIGII	R	-	1,800.97
2717	YWHAZ 14-3-3 protein zeta/delta	IPI00021263	27,727.90	140	158	GIVDQSQQAYQEAFEISKK	K	E	2,169.08
2718	RPS10 40S ribosomal protein S10	IPI00008438	18,880.30	140	153	AEAGAGSATEFQFR	K	G	1,441.67
2719	RPS10 40S ribosomal protein S10	IPI00008438	18,880.30	140	153	AEAGAGSATEFQFR	K	G	1,441.67
2720	PSMD14 26S proteasome non-ATPase regulatory subunit 14	IPI00024821	34,558.60	140	152	AVAVVVDPISVK	R	G	1,324.78
2721	RPL23A;hCG_16001 60S ribosomal protein L23a	IPI00021266	17,678.20	140	152	LAPDYDALDVANK	R	I	1,404.70
2722	RPL23A;hCG_16001 60S ribosomal protein L23a	IPI00021266	17,678.20	140	152	LAPDYDALDVANK	R	I	1,404.70
2723	RPL23A;hCG_16001 60S ribosomal protein L23a	IPI00021266	17,678.20	140	152	LAPDYDALDVANK	R	I	1,404.70
2724	YWHAZ 14-3-3 protein zeta/delta	IPI00021263	27,727.90	140	157	GIVDQSQQAYQEAFEISK	K	K	2,040.99
2725	HNRNPK Isoform 1 of Heterogeneous nuclear ribonucleoprotein K	IPI00216049,IPI00216746,IPI00807545,IPI00910458	50,960.50	140	148	GSDFDCELR	K	L	1,098.45
2726	HSPA5 HSPA5 protein	IPI00003362	72,405.60	140	153	TFAPEEISAMVLTK	K	M	1,552.79
2727	UFD1L Isoform Short of Ubiquitin fusion degradation protein 1 homolog	IPI00218292,IPI00655754,IPI00873326	34,483.20	140	147	AVLENALR	K	N	885.5152
2728	BUB3 Mitotic checkpoint protein BUB3	IPI00013468,IPI00514701,IPI00644108	37,136.70	140	157	VYTLVSGDRLIVGTAGR	K	R	1,864.03
2729	PRDX2 Peroxiredoxin-2	IPI00027350	21,874.40	140	150	QITVNDLPVGR	R	S	1,211.67

2730	EEF1B2 Elongation factor 1-beta	IPI00178440	24,746.20	140	163	SSILLDVKPWDDETDMAKLEE K CVR	S	2,849.37
2731	VBP1 Von Hippel-Lindau binding protein 1	IPI00334159	26,518.00	141	150	FLLADNLYCK R	A	1,256.63
2732	MUL1 Mitochondrial ubiquitin ligase activator of NFKB 1	IPI00470595	39,781.50	141	158	VLKPLDSVDLGLLETVYEK R	F	2,018.11
2733	TNPO1 transportin 1 isoform 1	IPI00024364,IPI00843876	102,340.80	141	162	LCSLLDSEDYNTCEGAFGAL K QK	I	2,491.11
2734	TOP1 DNA topoisomerase 1	IPI00413611	90,711.70	141	150	DEDDADYKPK R	K	1,195.51
2735	RAB1A Isoform 1 of Ras-related protein Rab-1A	IPI00005719,IPI00873902	22,660.40	141	156	EFADSLGIPFLETSK R	N	1,724.87
2736	NAT13 Isoform 1 of N-acetyltransferase 13	IPI00018627	19,380.90	141	152	RIEPADAHVLQK R	N	1,376.76
2737	PRDX1 Peroxiredoxin-1	IPI00000874	22,092.90	141	151	QITVNDLPVGR R	S	1,211.67
2738	FAM96B UPF0195 protein FAM96B	IPI00007024	17,644.70	142	162	VAAALENTHLLEVVNQCLSAR R	-	2,308.21
2739	PGK1 Phosphoglycerate kinase 1	IPI00169383	44,597.30	142	151	AEPKIEAFR K	A	1,131.62
2740	YWHAE 14-3-3 protein epsilon	IPI00000816	29,157.00	142	153	KEAAENSLVAYK R	A	1,322.70
2741	FDPS Farnesyl pyrophosphate synthetase	IPI00914566	48,258.70	142	150	KQDADSLQR R	A	1,060.54
2742	CDK5 Cell division protein kinase 5	IPI00023530	33,287.80	142	149	LADFGAR K	A	862.4782
2743	CDK5 Cell division protein kinase 5	IPI00023530	33,287.80	142	149	LADFGAR K	A	862.4782
2744	AP3M1 AP-3 complex subunit mu-1	IPI00032459	46,922.00	142	169	SVVNSITGSSNVGDTLPTGQL R SNIPWRR	A	2,955.53
2745	PKM2 Isoform M1 of Pyruvate kinase isozymes M1/M2	IPI00220644,IPI00479186	58,044.60	142	151	ITLDNAYMEK K	C	1,197.58
2746	CBX3;LOC653972 Chromobox protein homolog 3	IPI00297579	20,794.00	142	154	WKDSDEADLVAK K	E	1,489.75
2747	C8orf55 UPF0670 protein C8orf55	IPI00171421	23,847.60	142	150	DGFVCALLR R	F	1,050.54
2748	GPX8 Probable glutathione peroxidase 8	IPI00291695,IPI00910821	23,891.70	142	152	ILGSEGEPAFR K	F	1,175.61
2749	DCXR L-xylulose reductase	IPI00448095,IPI00797249	25,894.20	142	153	AVTNHNSVYCSTK R	G	1,366.64
2750	SPC25 Kinetochore protein Spc25	IPI00010219	26,136.20	142	147	LGLEIR R	K	700.4353
2751	ATP2A2 Isoform SERCA2A of Sarcoplasmic/endoplasmic reticulum calcium ATPase 2	IPI00177817,IPI00219078,IPI00747443	109,674.90	142	164	AKDIVPGDIVEIAVGDKVPADI K R	L	2,390.33
2752	DARS Aspartyl-tRNA synthetase, cytoplasmic	IPI00216951	57,118.70	142	151	IYVISLAEPR K	L	1,160.67
2753	NAT13 Isoform 1 of N-acetyltransferase 13	IPI00018627	19,380.90	142	152	IEPADAHVLQK R	N	1,220.66
2754	NAT13 Isoform 1 of N-acetyltransferase 13	IPI00018627	19,380.90	142	152	IEPADAHVLQK R	N	1,220.66
2755	HPRT1 Hypoxanthine-guanine phosphoribosyltransferase	IPI00218493,IPI00873466	24,562.20	142	151	TMQTLLSLVR K	Q	1,161.67
2756	TOMM34 Mitochondrial import receptor subunit TOM34	IPI00009946	34,542.30	142	156	LKLPSIPLVPVSAQK R	R	1,590.00
2757	THOC4 THO complex subunit 4	IPI00328840	27,540.50	142	148	AAVHYDR K	S	831.4107
2758	TXNDC9 Thioredoxin domain-containing protein 9	IPI00022386,IPI00917664	26,517.00	142	153	VIPTLALLKDGK K	T	1,267.80
2759	PSME1 Proteasome activator complex subunit 1	IPI00479722,IPI00748256	28,705.80	142	155	IEDGNNGVAVQEK R	V	1,519.74
2760	C16orf80 UPF0468 protein C16orf80	IPI00001655	22,757.60	142	153	RAYGTNYIETLR R	V	1,456.75
2761	FBL rRNA 2'-O-methyltransferase fibrillarin	IPI00025039	33,766.10	142	162	SKLAAAILGGVDQIHIKPGAK R	V	2,087.23
2762	APEX1 DNA-(apurinic or apyrimidinic site) lyase	IPI00215911	35,537.70	142	156	VSYGIGDEEHDQEGR K	V	1,690.73
2763	RCC2 Protein RCC2	IPI00465044	56,066.80	142	149	YGCLAGVR R	V	895.4455
2764	YWHAE 14-3-3 protein epsilon	IPI00000816	29,157.00	143	153	EAAENSLVAYK K	A	1,194.60
2765	YWHAE 14-3-3 protein epsilon	IPI00000816	29,157.00	143	153	EAAENSLVAYK K	A	1,194.60
2766	CDK2 Cell division protein kinase 2	IPI00031681	33,912.70	143	150	LADFGAR K	A	862.4782
2767	CDK2 Cell division protein kinase 2	IPI00031681	33,912.70	143	150	LADFGAR K	A	862.4782
2768	MLF2 Myeloid leukemia factor 2	IPI00023095	28,129.90	143	158	DSDSGLEQMSIGHHIR R	D	1,781.82
2769	NARS Asparaginyl-tRNA synthetase, cytoplasmic	IPI00306960	62,926.20	143	150	NLMFLVLR K	D	1,021.59
2770	GRB2 Isoform 1 of Growth factor receptor-bound protein 2	IPI00021327	25,188.80	143	149	NQQIFLR R	D	918.5156
2771	ARF1 ADP-ribosylation factor 1	IPI00215914,IPI00215917	20,679.60	143	149	LGLHSLR K	H	795.4836
2772	NONO Non-POU domain-containing octamer-binding protein	IPI00304596	54,213.60	143	153	FACHSASLTVR R	N	1,248.62

2773	NONO Non-POU domain-containing octamer-binding protein	IPI00304596	54,213.60	143	153	FACHSASLTVR	R	N	1,248.62
2774	ARF4 ADP-ribosylation factor 4	IPI00215918	20,493.60	143	149	LGLQLSR	K	N	786.4833
2775	PRDX6 Peroxiredoxin-6	IPI00220301	25,018.10	143	155	LKLSILYPATTGR	K	N	1,432.85
2776	RPS6 40S ribosomal protein S6	IPI00021840	28,663.70	143	154	KLFNLSKEDDVR	R	Q	1,463.79
2777	PIN1 Peptidyl-prolyl cis-trans isomerase NIMA-interacting 1	IPI00013723	18,225.70	143	161	TGEMSGPVFTDSGIHILR	R	T	2,046.03
2778	NOP56 Nucleolar protein 5A	IPI00411937	66,034.00	144	154	AQLGLGHSYSR	K	A	1,188.61
2779	PSMA7 Isoform 1 of Proteasome subunit alpha type-7	IPI00024175	27,869.10	144	157	LYQTDPSGTYHAWK	R	A	1,666.79
2780	NSF Vesicle-fusing ATPase	IPI00006451	82,545.40	144	150	LFGLLVK	K	D	789.5234
2781	MEA1 male-enhanced antigen	IPI00157176	19,886.00	144	160	TMAGVSLPAPGVPAWAR	R	E	1,696.88
2782	CYB5R3 Isoform 1 of NADH-cytochrome b5 reductase 3	IPI00328415,IPI00446235,IPI00871319	34,218.30	144	154	GPSGLLVYQ GK	R	G	1,118.62
2783	DNAJA1 DnaJ homolog subfamily A member 1	IPI00012535	44,850.60	144	154	KGAVECCPNCR	K	G	1,350.57
2784	RARS Isoform Complexed of Arginyl-tRNA synthetase, cytoplasmic	IPI00004860	75,364.00	144	167	HLPDNECIEKVEIAGPGFINVH LR	K	K	2,757.41
2785	RPS6 40S ribosomal protein S6	IPI00021840	28,663.70	144	154	LFNLSKEDDVR	K	Q	1,335.69
2786	YOD1 Isoform 1 of Ubiquitin thioesterase OTU1	IPI00183503,IPI00644473	38,304.70	144	151	ETLPVLTR	R	T	928.5463
2787	CCT4 T-complex protein 1 subunit delta	IPI00302927,IPI00873222	57,907.90	144	174	GIEILTDMSRPVELSDRETLN SATTSLNSK	K	V	3,390.74
2788	FBL rRNA 2'-O-methyltransferase fibrillar	IPI00025039	33,766.10	144	162	LAAAILGGVDQIHIKPGAK	K	V	1,872.11
2789	ILKAP Integrin-linked kinase-associated serine/threonine phosphatase 2C	IPI00006164	42,889.20	145	158	VSYFAVFDGHGGIR	R	A	1,524.76
2790	XRCC5 ATP-dependent DNA helicase 2 subunit 2	IPI00220834,IPI00871391	82,689.10	145	156	SQLDIIHSLKK	K	C	1,394.84
2791	MARCKSL1 MARCKS-related protein	IPI00641181	19,510.60	145	157	AAATPESQEPQAK	K	G	1,327.65
2792	GSTK1 Glutathione S-transferase kappa 1	IPI00219673,IPI00440703,IPI00917331,IPI00917714	25,480.10	145	158	AGMSAEQAQGLLEK	K	I	1,432.71
2793	XRCC5 ATP-dependent DNA helicase 2 subunit 2	IPI00220834,IPI00871391	82,689.10	145	155	SQLDIIHSLK	K	K	1,266.74
2794	CACYBP Isoform 1 of Calcyclin-binding protein	IPI00395627	26,192.30	145	155	VKTDTVLILCR	K	K	1,317.76
2795	CDK6 Cell division protein kinase 6	IPI00023529	36,920.80	145	160	DLKPQNILVTSSGQIK	R	L	1,740.99
2796	EIF2A Isoform 1 of Eukaryotic translation initiation factor 2A	IPI00902564	64,973.20	145	164	NVNNEVHFFENNFNTIANK	R	L	2,379.11
2797	PCBP1 Poly(rC)-binding protein 1	IPI00016610	37,480.20	145	160	AITIAGVPQSVTECVK	R	Q	1,672.89
2798	RBMX Heterogeneous nuclear ribonucleoprotein G	IPI00304692	42,315.70	145	150	GPLPVK	R	R	610.3924
2799	LMNA Isoform A of Lamin-A/C	IPI00021405	74,122.60	145	156	EAALSTALSEKR	K	T	1,275.69
2800	RBM3 Putative RNA-binding protein 3	IPI00024320	17,152.60	146	157	YSGGNRYRDNYDN	R	-	1,437.57
2801	C14orf166 UPF0568 protein C14orf166	IPI00006980	28,051.30	146	154	HDDYLVMLK	R	A	1,133.57
2802	TFRC Transferrin receptor protein 1	IPI00022462	84,855.60	146	155	LLNENSYVPR	K	E	1,204.63
2803	RPS5 40S ribosomal protein S5	IPI00008433	22,859.00	146	159	RVNQAIWLLCTGAR	R	E	1,657.90
2804	COPZ1 Coatomer subunit zeta-1	IPI00032851	20,180.90	146	168	VALRGEDVPLTEQTVSQVLQS AK	R	E	2,468.34
2805	PARK7 Protein DJ-1	IPI00298547	19,873.10	146	156	VEKDGLILTSR	R	G	1,230.71
2806	DHX15 Putative pre-mRNA-splicing factor ATP-dependent RNA helicase DHX15	IPI00396435	90,917.20	146	152	FTDILVR	R	H	863.4986
2807	HNRNPR heterogeneous nuclear ribonucleoprotein R isoform 1	IPI00644055	71,197.20	146	171	KYGGPPDPSVYSGVQPGIGT EVFVGK	R	I	2,635.34
2808	RPS7 40S ribosomal protein S7	IPI00013415	22,109.50	146	152	VKLDGSR	R	L	774.4469
2809	RPS7 40S ribosomal protein S7	IPI00013415	22,109.50	146	152	VKLDGSR	R	L	774.4469
2810	RPL13 60S ribosomal protein L13	IPI00465361	24,244.20	146	158	LATQLTGPVMPVR	K	N	1,398.78
2811	SFRS6 Isoform SRP55-1 of Splicing factor, arginine/serine-rich 6	IPI00012345,IPI00215879,IPI00556297	39,570.40	146	154	TNEGVIEFR	R	S	1,064.54
2812	SFRS6 Isoform SRP55-1 of Splicing factor, arginine/serine-rich 6	IPI00012345,IPI00215879,IPI00556297	39,570.40	146	154	TNEGVIEFR	R	S	1,064.54
2813	PPIB Peptidyl-prolyl cis-trans isomerase B	IPI00646304	23,725.20	146	158	DTNGSQFFITTVK	K	T	1,457.73
2814	GAPDH Glyceraldehyde-3-phosphate dehydrogenase	IPI00219018	36,035.30	146	162	IISNASCTTNCLAPLAK	K	V	1,833.92

2815	GAPDH Glyceraldehyde-3-phosphate dehydrogenase	IPI00219018	36,035.30	146	162	IISNASCTTNCLAPLAK	K	V	1,833.92
2816	GAPDH Glyceraldehyde-3-phosphate dehydrogenase	IPI00219018	36,035.30	146	162	IISNASCTTNCLAPLAK	K	V	1,833.92
2817	GAPDH Glyceraldehyde-3-phosphate dehydrogenase	IPI00219018	36,035.30	146	162	IISNASCTTNCLAPLAK	K	V	1,833.92
2818	UCHL3 Ubiquitin carboxyl-terminal hydrolase isozyme L3	IPI00011250	26,164.80	146	165	VTHETSAHEGQTEAPSIDEK	R	V	2,165.99
2819	HNRNPA1 Isoform A1-B of Heterogeneous nuclear ribonucleoprotein A1	IPI00215965,IPI00465365	38,828.10	146	166	RGFAFVTFDDHDSVDKIVIQK	K	Y	2,437.25
2820	MRPL43 Isoform 4 of 39S ribosomal protein L43, mitochondrial	IPI00428288	17,834.70	147	159	EVQDPAPAQVQAAQ	R	-	1,380.68
2821	RPL12 Isoform 1 of 60S ribosomal protein L12	IPI00024933	17,801.10	147	165	HPHDIIDDINSGAVECPAS	R	-	2,046.92
2822	PSMB1 Proteasome subunit beta type-1	IPI00025019	26,472.50	147	160	GAVYSFDPVGSYQR	K	D	1,545.73
2823	HNRNPR heterogeneous nuclear ribonucleoprotein R isoform 1	IPI00644055	71,197.20	147	174	YGGPPPSVYSGVQPGIGTE VFVGKIPR	K	D	2,873.48
2824	RAB7A Ras-related protein Rab-7a	IPI00016342	23,472.00	147	157	NNIPYFETSAK	K	E	1,283.63
2825	RPS5 40S ribosomal protein S5	IPI00008433	22,859.00	147	159	VNQAIWLLCTGAR	R	E	1,501.79
2826	HNRNPA1 Isoform A1-B of Heterogeneous nuclear ribonucleoprotein A1	IPI00215965,IPI00465365	38,828.10	147	161	GFAFVTFDDHDSVDK	R	I	1,699.76
2827	PHGDH D-3-phosphoglycerate dehydrogenase	IPI00011200	56,632.60	147	155	TLGILGLGR	K	I	899.5675
2828	RP6-213H19.1 Serine/threonine-protein kinase MST4	IPI00292827,IPI00760722,IPI00844141,IPI00872588,IPI00911046	46,512.40	147	159	AANVLLSEQGDVK	K	L	1,343.72
2829	HN1L Isoform 1 of Hematological and neurological expressed 1-like protein	IPI00027397,IPI00909195	20,045.60	147	166	KAGPAKEQEPMPVDSHEPR	R	L	2,204.08
2830	PI4K2A Phosphatidylinositol 4-kinase type 2-alpha	IPI00020124	54,005.00	147	154	IIAVFKPK	R	N	915.6027
2831	ST13 Hsc70-interacting protein	IPI00032826	41,314.40	147	153	LAILYAK	R	R	791.5026
2832	PITPNB Isoform 1 of Phosphatidylinositol transfer protein beta isoform	IPI00334907	31,522.30	147	167	SQVEPADYKADEDPALFQSV K	R	T	2,337.12
2833	PHB2 Prohibitin-2	IPI00027252	33,279.60	148	157	FNASQLITQR	K	A	1,177.63
2834	SEC22B Vesicle-trafficking protein SEC22b	IPI00006865	24,723.40	148	159	IMVANIEEVLQR	R	G	1,414.77
2835	RPL14 Ribosomal protein L14 variant	IPI00555744	23,769.70	148	170	GTAAAAAAAAAAAAAAAAAKVPA KK	K	I	1,894.09
2836	RPL14 Ribosomal protein L14 variant	IPI00555744	23,769.70	148	169	GTAAAAAAAAAAAAAAAAAKVPA K	K	K	1,765.99
2837	UBE2M NEDD8-conjugating enzyme Ubc12	IPI00022597	20,882.90	148	158	EAAEVLQNNRR	K	L	1,299.68
2838	PAFAH1B1 Isoform 1 of Platelet-activating factor acetylhydrolase IB subunit alpha	IPI00218728	46,619.40	148	163	GHTDSVQDISFDHSGK	K	L	1,729.78
2839	EIF2B1 Translation initiation factor eIF-2B subunit alpha	IPI00221300	33,695.20	148	163	FSVYVTEQPDLGK	R	M	1,784.91
2840	UBE2M NEDD8-conjugating enzyme Ubc12	IPI00022597	20,882.90	148	157	EAAEVLQNNR	K	R	1,143.58
2841	HAX1 cDNA FLJ53021, highly similar to HS1-associated protein X-1	IPI00010440,IPI00641973	32,443.00	148	158	IFGGVLESDAR	R	S	1,163.61
2842	RPL14 Ribosomal protein L14 variant	IPI00555744	23,769.70	148	165	GTAAAAAAAAAAAAAAAAAK	K	V	1,370.74
2843	C15orf15 Probable ribosome biogenesis protein RLP24	IPI00008437	19,603.60	149	163	MVQQLQEDVDMEDAP	K	-	1,779.74
2844	CUGBP1 Isoform 1 of CUG-BP- and ETR-3-like factor 1	IPI00034015,IPI00218388,IPI00218389,IPI00853009	52,046.00	149	158	GCAFVTFTR	R	A	1,159.56
2845	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	149	168	HNDDEQYAWESSAGGSFTV R	K	A	2,255.96
2846	TOMM70A Mitochondrial import receptor subunit TOM70	IPI00015602	67,439.20	149	159	NVDLSTFYQNR	K	A	1,356.65
2847	DGCR6L Protein DGCR6L	IPI00260322	24,914.40	149	158	VADQQSTLEK	K	A	1,118.57
2848	VPS28 Vacuolar protein sorting-associated protein 28 homolog	IPI00007155,IPI00328913,IPI00795056,IPI00796001	25,408.00	149	158	AMDEIQPDLR	R	E	1,203.57
2849	PARK7 Protein DJ-1	IPI00298547	19,873.10	149	156	DGLILTSR	K	G	874.4994
2850	SAR1A GTP-binding protein SAR1a	IPI00015954	22,349.70	149	160	EIFGLYQTTGK	R	G	1,313.67
2851	HNRNPK Isoform 1 of Heterogeneous nuclear ribonucleoprotein K	IPI00216049,IPI00216746,IPI00807545,IPI00910458	50,960.50	149	163	LLIHQSLAGGIIVK	R	G	1,518.94

2852	HNRNPK Isoform 1 of Heterogeneous nuclear ribonucleoprotein K	IPI00216049,IPI00216746,IPI00807545,IPI00910458	50,960.50	149	163	LLIHQSLAGGIIGVK	R	G	1,518.94
2853	ABCE1 ATP-binding cassette sub-family E member 1	IPI00303207	67,298.40	149	158	GSELQNYFTK	R	I	1,186.57
2854	ENOPH1 Isoform 1 of Enolase-phosphatase E1	IPI00038378	28,914.40	149	161	VYIYSSGSVEAQK	K	L	1,430.72
2855	CUL2 Cullin-2	IPI00014311,IPI00642151	86,967.40	149	161	KLMVEPLQAILIR	R	M	1,539.93
2856	PDCL3 Phosducin-like protein 3	IPI00031629	27,597.50	149	161	AISTTCIPNYPDR	K	N	1,507.72
2857	HNRNPA3 Isoform 1 of Heterogeneous nuclear ribonucleoprotein A3	IPI00419373	39,577.10	149	161	YGKIETIEVMEDR	K	Q	1,598.77
2858	HNRNPA3 Isoform 1 of Heterogeneous nuclear ribonucleoprotein A3	IPI00419373	39,577.10	149	161	YGKIETIEVMEDR	K	Q	1,582.78
2859	SEPT9 septin 9 isoform a	IPI00784614,IPI00784808,IPI00784936	65,384.30	149	163	RTEITIVKPQESAHR	R	R	1,764.97
2860	LMNB2 Lamin-B2	IPI00009771,IPI00879819	69,931.40	149	158	VKDLESLFHR	R	S	1,243.68
2861	PSMA5 Proteasome subunit alpha type-5	IPI00291922	26,393.30	150	168	GPQLFHMDPSGTFVQCDAK	K	A	2,178.97
2862	CDC2 Putative uncharacterized protein DKFZp686L20222	IPI00026689	34,762.10	150	157	LADFGLAR	K	A	862.4782
2863	CDC2 Putative uncharacterized protein DKFZp686L20222	IPI00026689	34,762.10	150	157	LADFGLAR	K	A	862.4782
2864	JUP Junction plakoglobin	IPI00554711	81,727.90	150	161	LLNDEDPVVVTK	K	A	1,341.73
2865	UBE2S Ubiquitin-conjugating enzyme E2 S	IPI00217949	23,828.40	150	164	LLTEIHGGAGGPPSGR	R	A	1,421.75
2866	UBE2S Ubiquitin-conjugating enzyme E2 S	IPI00217949	23,828.40	150	164	LLTEIHGGAGGPPSGR	R	A	1,421.75
2867	PCNA Proliferating cell nuclear antigen	IPI00021700	28,751.30	150	164	DLSHIGDAVVISCAK	R	D	1,584.81
2868	UHRF1 ubiquitin-like with PHD and ring finger domains 1 isoform 2	IPI00797279,IPI00797945	91,082.30	150	157	VNEYVDAR	K	D	965.4686
2869	COPZ1 Coatomer subunit zeta-1	IPI00032851	20,180.90	150	168	GEDVPLTEQTVSQVLQSAK	R	E	2,029.05
2870	FAM125A Isoform 1 of Multivesicular body subunit 12A	IPI00744702,IPI00788162	28,766.10	150	160	AKAPRPVVPKPR	K	G	1,216.76
2871	AURKB Serine/threonine-protein kinase 12	IPI00176642,IPI00796914	39,263.50	150	159	IYLILEYAPR	R	G	1,250.71
2872	MCTS1 Isoform 1 of Malignant T cell amplified sequence 1	IPI00179026	20,537.90	150	160	MSAEDIEKVNK	K	G	1,279.62
2873	MDH1 Malate dehydrogenase, cytoplasmic	IPI00291005,IPI00915869	36,408.90	150	157	ENFSCLTR	K	L	1,026.47
2874	RPLP0 60S acidic ribosomal protein P0	IPI00008530	34,256.30	150	162	GTIEILSDVQLIK	R	T	1,428.83
2875	RPL18A 60S ribosomal protein L18a	IPI00026202	20,744.60	150	157	IKFPLPHR	K	V	1,007.62
2876	MCTS1 Isoform 1 of Malignant T cell amplified sequence 1	IPI00179026	20,537.90	150	157	MSAEDIEK	K	V	938.4137
2877	MCM5 DNA replication licensing factor MCM5	IPI00018350,IPI00877948,IPI00878310,IPI00878587	82,270.30	151	162	IPGIIIAASAVR	K	A	1,180.74
2878	HNRNPF Heterogeneous nuclear ribonucleoprotein F	IPI00003881	45,653.80	151	167	ITGEAFVQFASQEIAEK	K	A	1,867.94
2879	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	151	167	STGEAFVQFASQEIAEK	R	A	1,841.89
2880	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	151	167	STGEAFVQFASQEIAEK	R	A	1,841.89
2881	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	151	167	STGEAFVQFASQEIAEK	R	A	1,841.89
2882	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	151	167	STGEAFVQFASQEIAEK	R	A	1,841.89
2883	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	151	167	STGEAFVQFASQEIAEK	R	A	1,841.89
2884	HNRNPH2 Heterogeneous nuclear ribonucleoprotein H2	IPI00026230	49,246.10	151	167	STGEAFVQFASQEIAEK	R	A	1,841.89
2885	HNRNPH2 Heterogeneous nuclear ribonucleoprotein H2	IPI00026230	49,246.10	151	167	STGEAFVQFASQEIAEK	R	A	1,841.89
2886	WDR77 Methylosome protein 50	IPI00012202	36,705.20	151	164	VWDLAQQVVLSSYR	K	A	1,663.88
2887	TP11 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	151	172	VAHALAEGLVGIACIGEKLDE R	K	E	2,321.23
2888	MTHFD1 C-1-tetrahydrofolate synthase, cytoplasmic	IPI00218342,IPI00794900	101,543.50	151	166	GCLELIKETGVPIAGR	K	H	1,712.94
2889	RFC5 Replication factor C subunit 5	IPI00031514,IPI00373883	38,480.40	151	160	FCLICNYLSK	R	I	1,317.63
2890	RPN1 Dolichyl-diphosphooligosaccharide--protein glycosyltransferase 67 kDa subunit precursor	IPI00025874	72,762.00	151	165	FFTVKLPVALDPGAK	R	I	1,602.93

2891	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	151	168	VAHALAEGLVGIACIGEK	K	L	1,807.97
2892	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	151	168	VAHALAEGLVGIACIGEK	K	L	1,807.97
2893	EHD4 EH domain-containing protein 4	IPI00005578	61,159.60	151	165	SISVIDSPGILSGEK	K	Q	1,501.81
2894	IGF2BP1 Insulin-like growth factor 2 mRNA-binding protein 1	IPI00008557	63,438.30	151	167	VSYIPDEQIAQGPENGR	K	R	1,872.91
2895	RHO C Rho-related GTP-binding protein RhoC	IPI00027434,IPI00647268	21,988.70	151	162	ISAFGYLECSAK	R	T	1,345.65
2896	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	151	179	VAHALAEGLVGIACIGEKLDE	K	V	3,049.60
2897	PFKP 6-phosphofructokinase type C	IPI00009790	85,579.40	151	161	REAGITEK NGQIDKEAVQK	R	Y	1,229.65
2898	IGF2BP2 insulin-like growth factor 2 mRNA binding protein 2 isoform a	IPI00179713,IPI00180983,IPI00743914	66,104.40	152	168	ISYIPDEEVSSPSPPPQR	K	A	1,900.93
2899	RBM4 Isoform 1 of RNA-binding protein 4	IPI00003704	40,296.20	152	164	TAPGMGDQSGCYR	R	C	1,415.57
2900	RBM4 Isoform 1 of RNA-binding protein 4	IPI00003704	40,296.20	152	164	TAPGMGDQSGCYR	R	C	1,415.57
2901	RAB2B Ras-related protein Rab-2B	IPI00102896	24,197.10	152	165	TACNVEEAFINTAK	K	E	1,567.74
2902	MRLC2 Myosin regulatory light chain MRLC2	IPI00033494,IPI00220573,IPI00604523	19,762.30	152	161	GNFNIEFTR	K	I	1,260.60
2903	CSTF3 Cleavage stimulation factor 77 kDa subunit	IPI00015195	82,906.20	152	164	GVEAVGSYAENQR	K	I	1,379.65
2904	THOC4 THO complex subunit 4	IPI00328840	27,540.50	152	162	SLGTADVHFER	R	K	1,231.61
2905	HNRNPA3 Isoform 1 of Heterogeneous nuclear ribonucleoprotein A3	IPI00419373	39,577.10	152	161	IETIEVMEDR	K	Q	1,234.60
2906	HNRNPA3 Isoform 1 of Heterogeneous nuclear ribonucleoprotein A3	IPI00419373	39,577.10	152	161	IETIEVMEDR	K	Q	1,250.59
2907	RPS3A 40S ribosomal protein S3a	IPI00419880,IPI00472119	29,927.30	152	162	KTSYAQHQQVR	R	Q	1,345.70
2908	RHEB GTP-binding protein Rheb	IPI00016669	20,479.90	152	161	ENQTAVDVFR	K	R	1,178.58
2909	AASDHPPT L-aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase	IPI00250297	35,759.10	152	161	FTNKEWETIR	K	S	1,323.67
2910	CHCHD3 Coiled-coil-helix-coiled-coil-helix domain-containing protein 3, mitochondrial	IPI00015833	26,134.50	152	157	SSEFYR	R	V	788.3572
2911	RCC1 regulator of chromosome condensation 1 isoform a	IPI00001661,IPI00747309,IPI00787306	48,126.30	152	170	VVQVSAGDSHTAALTDGGR	K	V	1,898.92
2912	ALG13 UDP-N-acetylglucosamine transferase subunit ALG13 homolog	IPI00020512	18,207.50	153	165	FSAFLDKVVGLQK	K	-	1,451.83
2913	CFL1 Cofilin-1	IPI00012011	18,485.10	153	166	LGGSAVISLEGKPL	K	-	1,340.78
2914	NAT13 Isoform 1 of N-acetyltransferase 13	IPI00018627	19,380.90	153	169	NLKVPSGQNADVQKTDN	K	-	1,827.92
2915	RPS7 40S ribosomal protein S7	IPI00013415	22,109.50	153	160	LKVVHLDK	R	A	965.6144
2916	RNASEH2A Ribonuclease H2 subunit A	IPI00290192	33,377.00	153	165	LQQSFPGIEVTVK	R	A	1,445.80
2917	CNBP Isoform 1 of Cellular nucleic acid-binding protein	IPI00430812,IPI00430813,IPI00430814	19,444.10	153	160	TSEVNCYR	K	C	1,028.45
2918	PSMD4 Isoform Rpn10A of 26S proteasome non-ATPase regulatory subunit 4	IPI00022694	40,719.20	153	163	LTAfvNTLNGK	K	D	1,177.66
2919	ACTN4 Alpha-actinin-4	IPI00013808	104,839.20	153	166	FAIQDISVEETSAK	R	E	1,537.77
2920	HEBP1 Heme-binding protein 1	IPI00148063	21,079.40	153	162	AALEGATYR	R	G	1,052.54
2921	ARHGDI A Rho GDP-dissociation inhibitor 1	IPI00003815,IPI00793767,IPI00794402,IPI00796541	23,189.50	153	167	AAEYEFLLTPVEEAPK	R	G	1,751.84
2922	NCAPH Condensin complex subunit 2	IPI00299507	82,547.10	153	163	VAAGTLDASTK	K	I	1,033.55
2923	GPX8 Probable glutathione peroxidase 8	IPI00291695,IPI00910821	23,891.70	153	159	FLVDSSK	R	K	795.4247
2924	GNPNAT1 Glucosamine 6-phosphate N-acetyltransferase	IPI00061525	20,731.30	153	166	ITLECLPQNVGFYK	K	K	1,681.86
2925	RBM14;RBM4 Isoform 1 of RNA-binding protein 14	IPI00013174	69,474.30	153	166	KGPGLAVQSGDKTK	K	K	1,385.78
2926	RAN GTP-binding nuclear protein Ran	IPI00643041,IPI00795671	24,405.10	153	166	SNYNFEKPFLLWLAR	K	K	1,784.91
2927	RPS2 40S ribosomal protein S2	IPI00013485,IPI00888294,IPI00888474	31,307.20	153	159	GAILAK	R	L	685.4608
2928	ANXA2P2 Putative annexin A2-like protein	IPI00334627,IPI00455315	38,642.90	153	169	TDLEKDIISDTSGDFRK	K	L	1,939.96
2929	C1orf35 Isoform 1 of Multiple myeloma tumor-associated protein 2	IPI00293746,IPI00642240	29,393.90	153	166	VESGGPGTSAASAR	R	R	1,246.60
2930	NAT13 Isoform 1 of N-acetyltransferase 13	IPI00018627	19,380.90	153	166	NLKVPSGQNADVQK	K	T	1,497.80
2931	CCT8 T-complex protein 1 subunit theta	IPI00784090	59,603.00	153	165	NLRDIDEVSSLLR	K	T	1,529.83
2932	RUVBL1 Isoform 1 of RuvB-like 1	IPI00021187	50,211.40	153	162	TISHVIIGLK	K	T	1,080.68
2933	RUVBL1 Isoform 1 of RuvB-like 1	IPI00021187	50,211.40	153	162	TISHVIIGLK	K	T	1,080.68

2934	GPX8 Probable glutathione peroxidase 8	IPI00291695,IPI00910821	23,891.70	153	163	FLVDSSKKEPR	R	W	1,305.72
2935	REEP6 Receptor accessory protein 6, isoform CRA_a	IPI00646963,IPI00647161	23,401.20	154	161	IMNDLSGR	R	A	921.446
2936	RHOT1 Isoform 3 of Mitochondrial Rho GTPase 1	IPI00217536,IPI00432452,IPI00651681,IPI00759714,IPI00759775	79,531.40	154	164	NISELFYYAQK	K	A	1,375.69
2937	RHOT2 Isoform 1 of Mitochondrial Rho GTPase 2	IPI00465059	68,099.60	154	164	NISELFYYAQK	R	A	1,375.69
2938	PSMD7 26S proteasome non-ATPase regulatory subunit 7	IPI00019927	37,007.50	154	177	TFEHTVSEIGAEAEVGVVEHLLR	K	D	2,681.31
2939	RARS Isoform Complexed of Arginyl-tRNA synthetase, cytoplasmic	IPI00004860	75,364.00	154	168	VEIAGPGFINVHLRK	K	D	1,649.95
2940	MMACHC Methylmalonic aciduria and homocystinuria type C protein	IPI00001053	31,710.90	154	161	FGGWFAIR	R	G	953.4992
2941	RAC1 Isoform A of Ras-related C3 botulinum toxin substrate 1	IPI00010271,IPI00219675	21,432.60	154	163	YLECSALTQR	K	G	1,240.60
2942	RAC1 Isoform A of Ras-related C3 botulinum toxin substrate 1	IPI00010271,IPI00219675	21,432.60	154	163	YLECSALTQR	K	G	1,240.60
2943	RAC3 Ras-related C3 botulinum toxin substrate 3	IPI00023138	21,361.10	154	163	YLECSALTQR	K	G	1,240.60
2944	CDC42 Isoform 2 of Cell division control protein 42 homolog	IPI00016786,IPI00909484	21,240.70	154	163	YVECSALTQK	K	G	1,198.58
2945	RAB18 Ras-related protein Rab-18	IPI00014577	22,959.50	154	168	TCDGVQCAFEELVEK	K	I	1,784.78
2946	RBM39 Isoform 1 of RNA-binding protein 39	IPI00163505,IPI00215801	59,363.40	154	163	TVFCMQLAAR	R	I	1,196.59
2947	PSMB2 Proteasome subunit beta type-2	IPI00028006	22,819.50	154	161	ERAVELLR	R	K	985.5789
2948	RAB1B Ras-related protein Rab-1B	IPI00008964,IPI00896425	22,154.00	154	170	NATNVEQAFMTMAAEIK	K	K	1,884.88
2949	YWHAE 14-3-3 protein epsilon	IPI00000816	29,157.00	154	170	AASDIAMTELPPTHPIR	K	L	1,835.93
2950	YWHAE 14-3-3 protein epsilon	IPI00000816	29,157.00	154	170	AASDIAMTELPPTHPIR	K	L	1,819.94
2951	ST13 Hsc70-interacting protein	IPI00032826	41,314.40	154	160	RASVFK	K	L	806.4882
2952	STIP1 Stress-induced-phosphoprotein 1	IPI00013894,IPI00871856	62,624.10	154	160	ELIEQLR	R	N	900.515
2953	COPB1 Coatamer subunit beta	IPI00295851	107,128.00	154	164	NAVLAITYYR	R	N	1,296.73
2954	MORF4L2 Mortality factor 4-like protein 2	IPI00014174	32,290.70	154	167	NVDAILEEYANCKK	K	S	1,666.81
2955	ALDOA Fructose-bisphosphate aldolase A	IPI00465439	39,402.60	154	173	IGEHTPSALAIMENANVLAR	K	Y	2,123.09
2956	SKP1 Isoform 1 of S-phase kinase-associated protein 1	IPI00301364	18,640.30	155	163	KENQWCEEK	R	-	1,250.55
2957	PPIA Peptidyl-prolyl cis-trans isomerase A	IPI00419585,IPI00887678	17,994.90	155	165	KITIADCGQLE	K	-	1,247.63
2958	RAB10 Ras-related protein Rab-10	IPI00016513	22,524.10	155	161	ANINIEK	K	A	801.4465
2959	HMGB2 High mobility group protein B2	IPI00219097	24,016.60	155	163	YEKDIAAYR	K	A	1,128.57
2960	HMGB1 High mobility group protein B1	IPI00419258	24,876.70	155	163	YEKDIAAYR	K	A	1,128.57
2961	SKP2 Isoform 2 of S-phase kinase-associated protein 2	IPI00013294,IPI00163172,IPI00178899	46,558.70	155	164	LLSQGVIAFR	R	C	1,103.66
2962	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	155	162	IREEYPDR	K	I	1,077.53
2963	TUBB Tubulin beta chain	IPI00011654	49,652.60	155	162	IREEYPDR	K	I	1,077.53
2964	TUBB2A Tubulin beta-2A chain	IPI00013475,IPI00031370	49,889.10	155	162	IREEYPDR	K	I	1,077.53
2965	HSPH1 Isoform Beta of Heat shock protein 105 kDa	IPI00218993,IPI00513743	92,099.00	155	169	SVLDAAQIVGLNCLR	R	L	1,628.88
2966	HSPA4 Heat shock 70 kDa protein 4	IPI00002966	94,313.90	155	169	SVMDATQIAGLNCLR	R	L	1,664.81
2967	EEF1A1 Elongation factor 1-alpha 1	IPI00396485	50,123.20	155	165	MDSTEPYSQK	K	R	1,298.56
2968	SET Isoform 1 of Protein SET	IPI00072377	33,471.40	155	167	EFHLNESGDPSSK	K	S	1,446.65
2969	PPIA Peptidyl-prolyl cis-trans isomerase A	IPI00419585,IPI00887678	17,994.90	156	165	ITIADCGQLE	K	-	1,119.54
2970	MXRA7 Isoform 2 of Matrix-remodeling-associated protein 7	IPI00397645,IPI00749188	17,475.40	156	170	MMTKEELEEQRTEE	K	-	1,943.82
2971	NAT13 Isoform 1 of N-acetyltransferase 13	IPI00018627	19,380.90	156	169	VPSGQNAVQKTDN	K	-	1,472.70
2972	PSMB2 Proteasome subunit beta type-2	IPI00028006	22,819.50	156	162	AVELLRK	R	C	828.5302
2973	CTBP1 C-terminal-binding protein 1	IPI00012835,IPI00554626	47,517.40	156	163	VQSVEQIR	R	E	958.5316
2974	DDI2 Isoform 3 of Protein DDI1 homolog 2	IPI00031618,IPI00796836,IPI00845258	46,553.90	156	170	NPPLAEALLSGDLEK	R	F	1,566.84
2975	AK1 Adenylate kinase isoenzyme 1	IPI00018342,IPI00640817	21,617.10	156	167	ATEPVIAFYEKR	K	G	1,423.76
2976	HNRNPAB Isoform 3 of Heterogeneous nuclear ribonucleoprotein A/B	IPI00334713	30,570.20	156	169	IFVGGLNPEATEEK	K	I	1,503.77

2977	HNRNPAB Isoform 3 of Heterogeneous nuclear ribonucleoprotein A/B	IPI00334713	30,570.20	156	169	IFVGGGLNPEATEEK	K	I	1,503.77
2978	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	156	171	QATKDAGVIAGLNVLR	R	I	1,625.93
2979	EIF2B3 Isoform 1 of Translation initiation factor eIF-2B subunit gamma	IPI00006504	50,223.30	156	166	DFIGVDSTGKR	R	L	1,194.61
2980	PPA1 Inorganic pyrophosphatase	IPI00015018	32,642.60	156	177	VIAINVDDPDAANYNDINDVK	K	L	2,444.21
2981	NAT13 Isoform 1 of N-acetyltransferase 13	IPI00018627	19,380.90	156	166	VPSGQNADVQK	K	T	1,142.58
2982	NAT13 Isoform 1 of N-acetyltransferase 13	IPI00018627	19,380.90	156	166	VPSGQNADVQK	K	T	1,142.58
2983	PRDX6 Peroxiredoxin-6	IPI00220301	25,018.10	156	162	NFDEILR	R	V	906.468
2984	CASP3 Caspase-3	IPI00292140	31,591.00	157	164	LFIIQACR	K	G	1,020.57
2985	CIP29 Nuclear protein Hcc-1	IPI00014938,IPI00795769	23,653.20	157	166	FGLNVSSISR	R	K	1,079.58
2986	TUBA1A Tubulin alpha-1A chain	IPI00180675	50,117.70	157	163	LSVDYGK	R	K	781.4091
2987	TUBA1C Tubulin alpha-1C chain	IPI00218343	49,877.40	157	163	LSVDYGK	R	K	781.4091
2988	TUBA1B Tubulin alpha-1B chain	IPI00387144,IPI00792677	50,133.70	157	163	LSVDYGK	R	K	781.4091
2989	RAB1A Isoform 1 of Ras-related protein Rab-1A	IPI00005719,IPI00873902	22,660.40	157	173	NATNVEQSFMTMAAEIK	K	K	1,900.88
2990	DRG2 Developmentally-regulated GTP-binding protein 2	IPI00022697,IPI00794194	40,729.80	157	169	SLLEKELESVGIR	R	L	1,472.83
2991	HSD17B12 Estradiol 17-beta-dehydrogenase 12	IPI00007676	34,307.40	157	167	MININILSVCK	K	M	1,304.71
2992	TUBA1A Tubulin alpha-1A chain	IPI00180675	50,117.70	157	164	LSVDYGKK	R	S	909.5041
2993	TUBA1C Tubulin alpha-1C chain	IPI00218343	49,877.40	157	164	LSVDYGKK	R	S	909.5041
2994	TUBA1B Tubulin alpha-1B chain	IPI00387144,IPI00792677	50,133.70	157	164	LSVDYGKK	R	S	909.5041
2995	AURKA Serine/threonine-protein kinase 6	IPI00298940	45,791.80	157	162	FILALK	K	V	704.4706
2996	CKB Creatine kinase B-type	IPI00022977	42,627.10	157	172	LAVEALSSLDGDLAGR	K	Y	1,586.84
2997	DHRS7 Isoform 1 of Dehydrogenase/reductase SDR family member 7	IPI00006957,IPI00339238	38,281.90	158	171	LIELNYLGTVSLTK	K	C	1,563.90
2998	ILVBL Isoform 1 of Acetolactate synthase-like protein	IPI00554541,IPI00556135	67,849.10	158	174	GALQAVDQLSLFRPLCK	R	F	1,916.04
2999	LDHA Isoform 1 of L-lactate dehydrogenase A chain	IPI00217966	36,671.20	158	169	VIGSGCNLDSAR	R	F	1,248.60
3000	LDHA Isoform 1 of L-lactate dehydrogenase A chain	IPI00217966	36,671.20	158	169	VIGSGCNLDSAR	R	F	1,248.60
3001	NIT2 Nitrilase homolog 2	IPI00549467,IPI00872668	30,590.80	158	168	FAELAQIYAQR	R	G	1,309.69
3002	NPM1 Isoform 2 of Nucleophosmin	IPI00220740,IPI00549248	29,446.90	158	194	LAADEDDEEDDEEDDEEDDD DDDFDEEAEEKAPVKK	K	G	4,246.55
3003	ARL15 ADP-ribosylation factor-like protein 15	IPI00005163	22,859.10	158	166	YFELEPLAR	K	G	1,137.59
3004	RPS8 40S ribosomal protein S8	IPI00216587,IPI00872430	24,188.40	158	170	ISSLLEEQFQQGK	K	L	1,506.78
3005	RPS8 40S ribosomal protein S8	IPI00216587,IPI00872430	24,188.40	158	170	ISSLLEEQFQQGK	K	L	1,506.78
3006	YWHAQ 14-3-3 protein theta	IPI00018146	27,747.40	158	167	KEMQPTHPIR	K	L	1,252.65
3007	YWHAZ 14-3-3 protein zeta/delta	IPI00021263	27,727.90	158	167	KEMQPTHPIR	K	L	1,252.65
3008	YWHAB Isoform Short of 14-3-3 protein beta/alpha	IPI00759832	27,832.80	158	167	KEMQPTHPIR	K	L	1,252.65
3009	RAB7A Ras-related protein Rab-7a	IPI00016342	23,472.00	158	171	EAINVEQAFQTIAR	K	N	1,589.83
3010	TMPO Isoform Beta of Lamina-associated polypeptide 2, isoforms beta/gamma	IPI00030131	50,653.40	158	173	SSTPLPTISSSAENTR	R	Q	1,647.82
3011	TMPO Lamina-associated polypeptide 2, isoform alpha	IPI00216230	75,475.80	158	173	SSTPLPTISSSAENTR	R	Q	1,647.82
3012	TMPO Lamina-associated polypeptide 2, isoform alpha	IPI00216230	75,475.80	158	173	SSTPLPTISSSAENTR	R	Q	1,647.82
3013	TMPO Lamina-associated polypeptide 2, isoform alpha	IPI00216230	75,475.80	158	173	SSTPLPTISSSAENTR	R	Q	1,647.82
3014	HDGF Hepatoma-derived growth factor	IPI00020956	26,770.50	158	167	AGDLLEDSPK	R	R	1,044.52
3015	PHB2 Prohibitin-2	IPI00027252	33,279.60	158	165	AQVSLIR	R	R	899.5673
3016	UHRF1 ubiquitin-like with PHD and ring finger domains 1 isoform 2	IPI00797279,IPI00797945	91,082.30	158	171	DTNMGAWFEAQVVR	R	V	1,639.75
3017	DNAJB1 DnaJ homolog subfamily B member 1	IPI00015947	38,027.60	158	169	KKQDPPVTHDLR	R	V	1,433.79
3018	CNN3 Calponin-3	IPI00216682,IPI00873410,IPI00909623	36,396.60	159	172	AGQSVIGLQMGTKN	K	C	1,419.73

3019	ILF3 Isoform 1 of Interleukin enhancer-binding factor 3	IPI00298788	95,320.90	159	177	NTKEPPLSLTIHLTSPVVR	K	E	2,102.20
3020	LDHB L-lactate dehydrogenase B chain	IPI00219217	36,620.60	159	170	VIGSGCNLDSAR	R	F	1,248.60
3021	LDHB L-lactate dehydrogenase B chain	IPI00219217	36,620.60	159	170	VIGSGCNLDSAR	R	F	1,248.60
3022	DHFR Dihydrofolate reductase	IPI00030357,IPI00887771	21,435.30	159	174	LLPEYPGVLSDVQEEK	K	G	1,815.94
3023	PRDX1 Peroxiredoxin-1	IPI00000874	22,092.90	159	168	LVQAFQFTDK	R	H	1,196.63
3024	SCYE1 Multisynthetase complex auxiliary component p43	IPI00006252,IPI00793201	34,335.00	159	166	IGCIITAR	R	K	903.5082
3025	YWHAQ 14-3-3 protein theta	IPI00018146	27,747.40	159	167	EMQPTHPIR	K	L	1,108.56
3026	YWHAZ 14-3-3 protein zeta/delta	IPI00021263	27,727.90	159	167	EMQPTHPIR	K	L	1,108.56
3027	YWHAB Isoform Short of 14-3-3 protein beta/alpha	IPI00759832	27,832.80	159	167	EMQPTHPIR	K	L	1,108.56
3028	THOC1 THO complex subunit 1	IPI00305374	75,650.80	159	165	IQLFLAR	R	L	860.5353
3029	PLS3 plastin 3	IPI00216694	70,795.90	159	168	AVGDGIVLCK	K	M	1,031.56
3030	BUB3 Mitotic checkpoint protein BUB3	IPI00013468,IPI00514701,IPI00644108	37,136.70	159	165	VLVWDLR	R	N	900.5302
3031	BUB3 Mitotic checkpoint protein BUB3	IPI00013468,IPI00514701,IPI00644108	37,136.70	159	165	VLVWDLR	R	N	900.5302
3032	- cDNA FLJ54554, highly similar to Pyruvate kinase isozymes M1/M2	IPI00910979	56,255.30	159	171	IYVDDGLISLQVK	K	Q	1,462.82
3033	UBE2M NEDD8-conjugating enzyme Ubc12	IPI00022597	20,882.90	159	166	LFEQNVQR	R	S	1,033.54
3034	NP cDNA FLJ25678 fis, clone TST04067, highly similar to PURINE NUCLEOSIDE PHOSPHORYLASE	IPI00017672,IPI00871140	32,533.50	159	172	FGDRFPAMSDAYDR	R	T	1,663.72
3035	CKAP5 Isoform 1 of Cytoskeleton-associated protein 5	IPI00028275,IPI00472887	225,483.70	159	167	IILLKPIIK	K	V	1,050.77
3036	ILF3 Isoform 1 of Interleukin enhancer-binding factor 3	IPI00298788	95,320.90	159	182	NTKEPPLSLTIHLTSPVVREEM EK	K	V	2,764.46
3037	NUDC Nuclear migration protein nudC	IPI00550746	38,225.70	159	173	LKPNLNGADLPNYR	K	W	1,641.87
3038	CAPNS1 Calpain small subunit 1	IPI00025084	28,298.60	159	165	LGFEFEFK	K	Y	869.4404
3039	SEC22B Vesicle-trafficking protein SEC22b	IPI00006865	24,723.40	160	169	GEALSALDSK	R	A	990.5103
3040	ACSL3 Long-chain-fatty-acid--CoA ligase 3	IPI00031397	80,405.10	160	169	TNIAIFCETR	K	A	1,224.60
3041	PGRMC2 Membrane-associated progesterone receptor component 2	IPI00005202	26,152.90	160	173	FYGPAGPYGIFAGR	K	D	1,472.73
3042	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	70,881.80	160	171	DAGTIAGLNVLR	K	I	1,199.67
3043	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	160	171	DAGVIAGLNVLR	K	I	1,197.70
3044	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	160	171	DAGVIAGLNVLR	K	I	1,197.70
3045	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	160	171	DAGVIAGLNVLR	K	I	1,197.70
3046	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	160	171	DAGVIAGLNVLR	K	I	1,197.70
3047	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	160	171	DAGVIAGLNVLR	K	I	1,197.70
3048	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	160	171	DAGVIAGLNVLR	K	I	1,197.70
3049	DRG1 Developmentally-regulated GTP-binding protein 1	IPI00031836	40,525.80	160	171	IIENELEGFGIR	K	L	1,389.74
3050	ARL6IP5 PRA1 family protein 3	IPI00007426,IPI00908696	21,597.60	160	178	TPMGIVLDALEQQEEGINR	R	L	2,129.05
3051	HSPA9 Stress-70 protein, mitochondrial	IPI00007765	73,663.30	160	173	LYSPSQIGAFVLMK	K	M	1,569.83
3052	BCAP31 B-cell receptor-associated protein 31	IPI00218200,IPI00642984	27,974.60	160	182	GAAVDGGKLDVGNAEVKLEE ENR	K	S	2,370.19
3053	EIF2AK2 Interferon-induced, double-stranded RNA-activated protein kinase	IPI00019463,IPI00385404	62,079.10	160	173	LAYLQILSEETSVK	K	S	1,593.87
3054	MEA1 male-enhanced antigen	IPI00157176	19,886.00	161	173	EISDAQWEDVVQK	R	A	1,546.74
3055	TMCO1 Isoform 1 of Transmembrane and coiled-coil domain-containing protein 1	IPI00026111,IPI00761107	21,158.30	161	168	ILGLAPSR	K	A	826.5146
3056	TMCO1 Isoform 1 of Transmembrane and coiled-coil domain-containing protein 1	IPI00026111,IPI00761107	21,158.30	161	168	ILGLAPSR	K	A	826.5146
3057	ST13 Hsc70-interacting protein	IPI00032826	41,314.40	161	169	LQKPNAAIR	K	D	1,010.61
3058	GNPDA1 Glucosamine-6-phosphate isomerase 1	IPI00009305	32,651.40	161	172	TLAMDTILANAR	K	F	1,289.69
3059	CDK6 Cell division protein kinase 6	IPI00023529	36,920.80	161	168	LADFLAR	K	I	862.4782
3060	PELO Protein pelota homolog	IPI00106698	43,358.40	161	169	AKVEVNIPR	R	K	1,025.61

3061	GDI2 cDNA FLJ60299, highly similar to Rab GDP dissociation inhibitor beta	IPI00031461	51,138.50	161	168	TFEGIDPK	R	K	906.4569
3062	TAGLN2 Transgelin-2	IPI00550363	22,373.90	161	171	NFSDNQLQEGK	R	N	1,279.59
3063	FAM54B cDNA FLJ55391	IPI00071826,IPI00645882	35,260.70	161	172	TTELQDELSHLR	R	S	1,441.73
3064	SMU1 WD40 repeat-containing protein SMU1	IPI00305833	57,526.80	161	170	LMALLGQALK	R	W	1,057.64
3065	DHRS7B Dehydrogenase/reductase SDR family member 7B	IPI00550165,IPI00871975	35,101.90	162	175	VMETNYFGPVALTK	R	A	1,585.79
3066	DCXR L-xylulose reductase	IPI00448095,IPI00797249	25,894.20	162	171	VMALELGPBK	K	I	1,094.60
3067	ILKAP Integrin-linked kinase-associated serine/threonine phosphatase 2C	IPI00006164	42,889.20	162	173	FAAQLNHQNLIR	K	K	1,424.78
3068	PEBP1 Phosphatidylethanolamine-binding protein 1	IPI00219446	21,038.90	162	179	APVAGTCYQAEWDDYVPK	R	L	2,069.93
3069	BLVRA Biliverdin reductase A	IPI00294158	33,411.00	162	172	FGFPAFSGISR	R	L	1,185.61
3070	REEP6 Receptor accessory protein 6, isoform CRA a	IPI00646963,IPI00647161	23,401.20	162	171	ALDAAAGITR	R	N	958.5317
3071	PBK cDNA FLJ58333, highly similar to T-lymphokine-activated killer cell-originated protein kinase	IPI00306708	37,194.90	162	169	KLLHGDIK	K	S	923.5675
3072	RHEB GTP-binding protein Rheb	IPI00016669	20,479.90	162	178	RIILEAEKMDGAASQGGK	R	S	1,832.95
3073	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	163	179	LAMQEFMILPVGAAANFR	K	E	1,939.98
3074	RSL1D1 Ribosomal L1 domain-containing protein 1	IPI00008708,IPI00642046	54,956.70	163	171	RLLPSLIGR	R	H	1,024.66
3075	EEF2 Elongation factor 2	IPI00186290	95,322.10	163	180	ALLELQLEPEELYQTFQR	R	I	2,220.15
3076	PSMD10 26S proteasome non-ATPase regulatory subunit 10	IPI00003565,IPI00027699	24,410.20	163	189	ASTNIQDTEGNTPLHLACDEE RVEEK	K	L	3,027.40
3077	PSAT1 cDNA FLJ56437, highly similar to Phosphoserine aminotransferase	IPI00001734	45,338.10	163	172	FGTINIVHPK	K	L	1,125.64
3078	SNRNP40 cDNA FLJ56825, highly similar to WD repeat protein 57	IPI00006723	44,498.40	163	177	GPQLVCTGSDDGTVK	R	L	1,533.72
3079	NUSAP1 Isoform 2 of Nucleolar and spindle-associated protein 1	IPI00020484	49,306.70	163	174	SLYTDESSKPGK	K	N	1,311.64
3080	C8orf55 UPF0670 protein C8orf55	IPI00171421	23,847.60	163	170	VVQHLQQR	R	R	1,039.55
3081	GAPDH Glyceraldehyde-3-phosphate dehydrogenase	IPI00219018	36,035.30	163	186	VIHDNFGIVEGLMTTVHAITAT QK	K	T	2,611.36
3082	TUBB2A Tubulin beta-2A chain	IPI00013475,IPI00031370	49,889.10	163	174	IMNTFSVMPSPK	R	V	1,367.67
3083	TUBB2A Tubulin beta-2A chain	IPI00013475,IPI00031370	49,889.10	163	174	IMNTFSVMPSPK	R	V	1,367.67
3084	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	163	174	IMNTFSVVPSPK	R	V	1,335.70
3085	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	163	174	IMNTFSVVPSPK	R	V	1,319.70
3086	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	163	174	IMNTFSVVPSPK	R	V	1,319.70
3087	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	163	174	IMNTFSVVPSPK	R	V	1,319.70
3088	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	163	174	IMNTFSVVPSPK	R	V	1,335.70
3089	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	163	174	IMNTFSVVPSPK	R	V	1,319.70
3090	TUBB Tubulin beta chain	IPI00011654	49,652.60	163	174	IMNTFSVVPSPK	R	V	1,335.70
3091	TUBB Tubulin beta chain	IPI00011654	49,652.60	163	174	IMNTFSVVPSPK	R	V	1,319.70
3092	TUBB Tubulin beta chain	IPI00011654	49,652.60	163	174	IMNTFSVVPSPK	R	V	1,319.70
3093	TUBB Tubulin beta chain	IPI00011654	49,652.60	163	174	IMNTFSVVPSPK	R	V	1,335.70
3094	TUBB Tubulin beta chain	IPI00011654	49,652.60	163	174	IMNTFSVVPSPK	R	V	1,319.70
3095	VDAC3 Isoform 1 of Voltage-dependent anion-selective channel protein 3	IPI00031804,IPI00294779	30,641.90	164	174	LSQNNFALGYK	K	A	1,254.65
3096	ABCF1 Isoform 2 of ATP-binding cassette sub-family F member 1	IPI00013495,IPI00873899	91,664.60	164	174	AVSEEQQPALK	K	G	1,199.63
3097	RPL8 60S ribosomal protein L8	IPI00012772	28,006.80	164	174	AVGVVAGGGR	R	I	941.5527
3098	PNPO Pyridoxine-5'-phosphate oxidase	IPI00018272,IPI00793232	29,970.20	164	185	SSQIGAVVSHQSSVIPDREYL R	K	K	2,428.26
3099	PAFAH1B1 Isoform 1 of Platelet-activating factor acetylhydrolase IB subunit alpha	IPI00218728	46,619.40	164	175	LLASCSADMTIK	K	L	1,325.64
3100	EEF1B2 Elongation factor 1-beta	IPI00178440	24,746.20	164	176	SIQADGLVWGSSK	R	L	1,347.69

3101	MMGT1 cDNA FLJ54627, highly similar to Homo sapiens transmembrane protein 32 (TMEM32), mRNA	IPI00166785	21,864.30	164	187	VLFRPSDTANSSNQDALSSNT R SLK	L	2,552.26
3102	PGD 6-phosphogluconate dehydrogenase, decarboxylating	IPI00219525,IPI00747533	53,123.90	164	184	VGTGEPCCDWVWGDEGAGHF K VK	M	2,276.97
3103	GRHPR Glyoxylate reductase/hydroxypyruvate reductase	IPI00037448	35,651.10	164	170	IGQAIAR	R	728.4414
3104	PRPS1 Ribose-phosphate pyrophosphokinase 1	IPI00219616,IPI00917169	34,816.70	164	176	NCTIVSPDAGGAK	R	1,289.62
3105	ARCN1 Putative uncharacterized protein	IPI00298520,IPI00514053	61,581.40	164	172	ENVNLAQIR	R	1,056.58
3106	VDAC1 Voltage-dependent anion-selective channel protein 1	IPI00216308	30,755.90	164	174	VTQSNFAVGYK	R	1,213.62
3107	PRPS1 Ribose-phosphate pyrophosphokinase 1	IPI00219616,IPI00917169	34,816.70	164	177	NCTIVSPDAGGAKR	R	1,445.72
3108	MAP2K2 Dual specificity mitogen-activated protein kinase kinase 2	IPI00003783	44,407.20	164	172	RIPEEILGK	K	1,054.63
3109	TPT1 Translationally-controlled tumor protein	IPI00550900	19,578.20	165	172	DGLEMEKC	K	981.4018
3110	WDR77 Methylosome protein 50	IPI00012202	36,705.20	165	179	AHAAQVTCVAASPHK	R	1,547.77
3111	DDX5 Probable ATP-dependent RNA helicase DDX5	IPI00017617	69,131.70	165	177	GDGPICLVLPATR	R	1,368.73
3112	ASRGL1 Isoform 1 of L-asparaginase	IPI00555734	32,036.10	165	177	NLGTGVAVALDCK	K	1,317.68
3113	SGTA Small glutamine-rich tetratricopeptide repeat-containing protein alpha	IPI00013949	34,045.90	165	174	MGLALSSLNK	R	1,033.57
3114	WDR77 Methylosome protein 50	IPI00012202	36,705.20	165	191	AHAAQVTCVAASPHKDSVFL R SCSEDNR	R	2,957.36
3115	MDH1 Malate dehydrogenase, cytoplasmic	IPI00291005,IPI00915869	36,408.90	165	170	AQIALK	K	643.4138
3116	GOSR2 Isoform A of Golgi SNAP receptor complex member 2	IPI00023135,IPI00216965,IPI00788709,IPI00793112,IPI00795521	24,757.90	165	180	ILDIANMLGLSNTVMR	K	1,792.93
3117	PSMB1 Proteasome subunit beta type-1	IPI00025019	26,472.50	165	184	AGGSASAMLQPLLDNQVGFK	K	2,020.02
3118	BTF3 Isoform 1 of Transcription factor BTF3	IPI00221035	22,150.30	165	171	LAEALPK	R	741.4506
3119	RPL5 60S ribosomal protein L5	IPI00000494	34,345.50	165	178	GAVDGGLSIPHSTK	K	1,338.70
3120	CDC2 Putative uncharacterized protein	IPI00026689	34,762.10	165	176	VYTHEVTLWYR	R	1,565.81
3121	IK Protein Red	IPI00011875,IPI00883647	65,615.20	165	173	GLDFALLQK	K	1,004.58
3122	MDH2 Malate dehydrogenase, mitochondrial	IPI00291006	35,485.70	166	176	IFGVTTLDIVR	K	1,233.72
3123	RAB5B Ras-related protein Rab-5B	IPI00017344,IPI00908835	23,688.90	166	179	TAMNVNDFLAIK	K	1,536.81
3124	- cDNA FLJ54408, highly similar to Heat shock 70 kDa protein 1	IPI00911039	63,907.90	166	181	ATAGDTHLGGEDFDNR	K	1,675.73
3125	PPP4R2 55 kDa protein	IPI00022904,IPI00103654	54,507.00	166	179	IVTGFNGIPFTIQR	K	1,562.87
3126	CSE1L Isoform 1 of Exportin-2	IPI00022744,IPI00219994	110,403.90	166	174	SNELWTEIK	K	1,119.57
3127	PSMD1 Isoform 1 of 26S proteasome non-ATPase regulatory subunit 1	IPI00299608,IPI00456695	105,821.20	166	182	TILESNDVPGMLAYSLK	K	1,866.95
3128	BUB3 Mitotic checkpoint protein BUB3	IPI00013468,IPI00514701,IPI00644108	37,136.70	166	173	NMGYVQQR	R	1,011.47
3129	CPNE8 cDNA FLJ25727 fis, clone TST05479	IPI00334276,IPI00384746	62,217.10	166	174	SDPFLVFYR	K	1,143.58
3130	LCP1 Plastin-2	IPI00010471	70,274.10	166	178	MINLSVPDTIDER	K	1,518.75
3131	EEF1A1 Elongation factor 1-alpha 1	IPI00396485	50,123.20	167	172	YEEIVK	R	780.4138
3132	EEF1A1 Elongation factor 1-alpha 1	IPI00396485	50,123.20	167	172	YEEIVK	R	780.4138
3133	EEF1A1 Elongation factor 1-alpha 1	IPI00396485	50,123.20	167	180	YEEIVKEVSTYIKK	R	1,728.94
3134	CDC42 Isoform 2 of Cell division control protein 42 homolog	IPI00016786,IPI00909484	21,240.70	167	183	NVFDEAILAALPEPEPK	K	1,852.97
3135	RAB5C Ras-related protein Rab-5C	IPI00016339	23,464.70	167	180	TAMNVNEIFMAIAK	K	1,584.78
3136	EEF1A1 Elongation factor 1-alpha 1	IPI00396485	50,123.20	167	179	YEEIVKEVSTYIK	R	1,600.85
3137	HNRNPA1 Isoform A1-B of Heterogeneous nuclear ribonucleoprotein A1	IPI00215965,IPI00465365	38,828.10	167	178	YHTVNGHNCEVR	K	1,485.67
3138	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IPI00290770,IPI00553185	60,446.30	167	180	WSSLACNIALDAVK	R	1,547.79
3139	AP3S2 AP-3 complex subunit sigma-2	IPI00025115	21,999.80	167	175	NINLPEIPR	K	1,065.61
3140	VPS28 Vacuolar protein sorting-associated protein 28 homolog	IPI00007155,IPI00328913,IPI00795056,IPI00796001	25,408.00	167	177	MSHLPPDFEGR	R	1,301.59

3141	H2AFY H2A histone family, member Y isoform 2	IPI00059366,IPI00304171,IPI00744148	39,472.70	167	188	AASADSTTEGTPADGFTVLST K	S	2,127.01
3142	MTHFD1 C-1-tetrahydrofolate synthase, cytoplasmic	IPI00218342,IPI00794900	101,543.50	167	173	HAVVVGR	R	737.4416
3143	RPL7 60S ribosomal protein L7	IPI00030179,IPI00472171,IPI00871827	29,209.70	167	177	IALTDNALIAR	R	1,170.68
3144	PSME3 Isoform 1 of Proteasome activator complex subunit 3	IPI00030243,IPI00219445	29,489.30	167	181	TVSEEAASYLDQISR	R	1,668.81
3145	PLS1 Plastin-1	IPI00032304,IPI00789401	70,338.30	168	180	MINLSEPTIDER	K	1,548.72
3146	NAPA Alpha-soluble NSF attachment protein	IPI00009253	33,216.10	168	180	VAGYAALLEQYQK	K	1,453.77
3147	NAPA Alpha-soluble NSF attachment protein	IPI00009253	33,216.10	168	180	VAGYAALLEQYQK	K	1,453.77
3148	ARD1A N-terminal acetyltransferase complex ARD1 subunit homolog A	IPI00013184	26,441.00	168	183	GRHVVLGAIENKVESK	K	1,735.98
3149	RPS5 40S ribosomal protein S5	IPI00008433	22,859.00	168	182	TIAECLADELINA AK	K	1,631.83
3150	ZNF384 nuclear matrix transcription factor 4 isoform d	IPI001152875,IPI00220697,IPI00385446,IPI00736968	63,199.50	168	192	VASTLTEEGGGGGGGGSSVA K	K	2,195.11
3151	CHST14 Carbohydrate sulfotransferase 14	IPI00044326	42,980.00	168	179	VLGAVLDSVDVR	K	1,242.71
3152	BCAP31 B-cell receptor-associated protein 31	IPI00218200,IPI00642984	27,974.60	168	182	LDVGNLAEVKLEEENR	K	1,714.86
3153	HSD17B12 Estradiol 17-beta-dehydrogenase 12	IPI00007676	34,307.40	168	179	MTQLVLPGMVER	K	1,405.72
3154	POR NADPH--cytochrome P450 reductase	IPI00470467,IPI00792395,IPI00880028,IPI00903331	76,672.90	168	176	FAVFGLGNK	K	952.5251
3155	RPA1 Replication protein A 70 kDa DNA-binding subunit	IPI00020127	68,121.00	168	183	AAGPSLSHTSGGTQSK	K	1,485.73
3156	RNASEH2A Ribonuclease H2 subunit A	IPI00290192	33,377.00	168	183	ADALYPVVSAA S ICAK	K	1,635.84
3157	RBM39 Isoform 1 of RNA-binding protein 39	IPI00163505,IPI00215801	59,363.40	168	178	DLEEFFSTVGK	R	1,271.62
3158	PLS3 plastin 3	IPI00216694	70,795.90	169	181	MINLSVPDIDER	K	1,518.75
3159	PLS3 plastin 3	IPI00216694	70,795.90	169	181	MINLSVPDIDER	K	1,518.75
3160	GNB2L1 38 kDa protein	IPI00641950,IPI00848226	37,740.10	169	184	YTVQDESHSEWVSCVR	K	1,981.87
3161	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	169	177	ADHGEPIGR	R	951.4644
3162	RAB18 Ras-related protein Rab-18	IPI00014577	22,959.50	169	183	IIQTPGLWESENQNK	K	1,756.89
3163	MAT2B Isoform 1 of Methionine adenosyltransferase 2 subunit beta	IPI00002324	37,533.60	169	181	AVLENNLGA AVL R	K	1,339.77
3164	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	169	180	ELISNSSDALDK	R	1,291.64
3165	DEK Protein DEK	IPI00020021,IPI00871695	42,657.90	169	178	SGVNSELVKR	R	1,088.61
3166	PCNA Proliferating cell nuclear antigen	IPI00021700	28,751.30	169	181	FSASGELGNGNIK	K	1,293.64
3167	PCNA Proliferating cell nuclear antigen	IPI00021700	28,751.30	169	181	FSASGELGNGNIK	K	1,293.64
3168	SF3A1 Splicing factor 3 subunit 1	IPI00017451	88,868.10	169	176	LTAQFVAR	K	905.5203
3169	DNAJC8 DnaJ homolog subfamily C member 8	IPI00003438	29,824.20	169	176	LFAELEIK	K	962.5558
3170	PSMA5 Proteasome subunit alpha type-5	IPI00291922	26,393.30	169	187	AIGSASEGAQSSSLQE VYHK	R	1,961.96
3171	CAPZB Isoform 2 of F-actin-capping protein subunit beta	IPI00642256	30,611.70	169	181	LTSTVMLWLQTNK	K	1,550.82
3172	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	169	179	LDEREAGITEK	K	1,260.64
3173	NCAPH Condensin complex subunit 2	IPI00299507	82,547.10	169	178	VDAVHADVYR	R	1,144.57
3174	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	169	182	ELISNSSDALDKIR	R	1,560.82
3175	CNBP Isoform 1 of Cellular nucleic acid-binding protein	IPI00430812,IPI00430813,IPI00430814	19,444.10	170	177	ECTIEATA	R	894.3874
3176	ARD1A N-terminal acetyltransferase complex ARD1 subunit homolog A	IPI00013184	26,441.00	170	183	HVVLGAIENKVESK	R	1,522.86
3177	UBE2S Ubiquitin-conjugating enzyme E2 S	IPI00217949	23,828.40	170	198	ALASGTEASSTDPGAPGGPG R	R	2,585.22
3178	KHDRBS1 Isoform 1 of KH domain-containing, RNA-binding, signal transduction-associated protein 1	IPI00008575,IPI00385834,IPI00479209	48,210.20	170	175	GAEGPMAKK FNFVGK	K	711.3824
3179	UBE2S Ubiquitin-conjugating enzyme E2 S	IPI00217949	23,828.40	170	197	ALASGTEASSTDPGAPGGPG R	R	2,457.12
3180	DNAJB1 DnaJ homolog subfamily B member 1	IPI00015947	38,027.60	170	181	GAEGPMAK VSLEEIYSGCTK	R	1,385.66
3181	TRMT1 Isoform 1 of N(2),N(2)-dimethylguanosine tRNA methyltransferase	IPI00020508,IPI00178861	72,215.30	170	178	FALEVPGLR	R	1,001.58

3182	COX4NB Neighbor of COX4	IPI00005740	23,754.90	170	178	ISASLLDSR	R	S	961.5313
3183	RAB6A Isoform 1 of Ras-related protein Rab-6A	IPI00023526,IPI00217943	23,575.30	170	183	VAAALPGMESTQDR	R	S	1,461.70
3184	EIF2A Isoform 1 of Eukaryotic translation initiation factor 2A	IPI00902564	64,973.20	170	183	INDFVLSPPGPQPYK	K	V	1,574.82
3185	CDK2 Cell division protein kinase 2	IPI00031681	33,912.70	170	178	APELLGCK	R	Y	1,000.55
3186	TPD52 tumor protein D52 isoform 2	IPI00619951,IPI00619958,IPI00873344,IPI00896474	22,459.40	171	207	VGGTKPAGGDFGEVLNSAAN K ASATTTTEPLPEKTQESL	K	-	3,644.79
3187	RPS8 40S ribosomal protein S8	IPI00216587,IPI00872430	24,188.40	171	184	LLACIASRPGQCGR	K	A	1,558.79
3188	RPS8 40S ribosomal protein S8	IPI00216587,IPI00872430	24,188.40	171	184	LLACIASRPGQCGR	K	A	1,558.79
3189	PRDX3 Thioredoxin-dependent peroxide reductase, mitochondrial	IPI00024919,IPI00374151	27,674.70	171	184	DYGVLLGSLALR	R	G	1,462.79
3190	RNPS1 Isoform 1 of RNA-binding protein with serine-rich domain 1	IPI00033561,IPI00479871,IPI00783594	34,191.60	171	186	NVTKDHIMEIFSTYGK	R	I	1,882.94
3191	CCDC124 Coiled-coil domain-containing protein 124	IPI00060627	25,817.70	171	183	AAFTAFEEAQLPR	R	L	1,450.73
3192	CCDC124 Coiled-coil domain-containing protein 124	IPI00060627	25,817.70	171	183	AAFTAFEEAQLPR	R	L	1,450.73
3193	C16orf80 UPF0468 protein C16orf80	IPI00001655	22,757.60	171	182	LYSEDELPAEFK	R	L	1,440.69
3194	VIM Vimentin	IPI00418471	53,634.60	171	184	VEVERDNLAEDIMR	R	L	1,704.82
3195	MDH1 Malate dehydrogenase, cytoplasmic	IPI00291005,IPI00915869	36,408.90	171	179	LGVTANDVK	K	N	916.5099
3196	MDH1 Malate dehydrogenase, cytoplasmic	IPI00291005,IPI00915869	36,408.90	171	179	LGVTANDVK	K	N	916.5099
3197	DFFA Isoform DFF45 of DNA fragmentation factor subunit alpha (Fragment)	IPI00010882	36,504.50	171	186	LQHTLQQVLDQREEVR	R	Q	1,992.06
3198	PRC1 Isoform 1 of Protein regulator of cytokinesis 1	IPI00022629,IPI00399304,IPI00748507,IPI00871281,IPI00915034	71,589.90	171	179	REEFVSIKR	R	Q	1,163.65
3199	HNRPDL Isoform 1 of Heterogeneous nuclear ribonucleoprotein D-like	IPI00011274,IPI00045498,IPI00845282	46,420.60	171	180	FGEVVDCTIK	R	T	1,167.57
3200	HNRPDL Isoform 1 of Heterogeneous nuclear ribonucleoprotein D-like	IPI00011274,IPI00045498,IPI00845282	46,420.60	171	180	FGEVVDCTIK	R	T	1,167.57
3201	PGM1 Isoform 2 of Phosphoglucomutase-1	IPI00217872,IPI00219526,IPI00844159	63,775.10	171	182	TIEEYAVCPDLK	K	V	1,437.69
3202	CBX3;LOC653972 Chromobox protein homolog 3	IPI00297579	20,794.00	172	183	LTWHSCPEDEAQ	R	-	1,472.61
3203	BTF3 Isoform 1 of Transcription factor BTF3	IPI00221035	22,150.30	172	206	QSVGDKAPLATGEDDDDEVP K DLVENFDEASKNEAN	K	-	3,733.65
3204	GIN5 DNA replication complex GINS protein PSF2	IPI00007146	21,410.80	172	185	TNLQPLESTQSQDF	R	-	1,607.75
3205	PGK1 Phosphoglycerate kinase 1	IPI00169383	44,597.30	172	184	AHSSMVGVNLPQK	R	A	1,383.71
3206	QPRT Nicotinate-nucleotide pyrophosphorylase [carboxylating]	IPI00300086,IPI00872692	30,797.30	172	183	DNHVVAAGGVEK	K	A	1,195.61
3207	MLF2 Myeloid leukemia factor 2	IPI00023095	28,129.90	172	198	TGDQEERQDYINLDESEAAA R FDDEWRR	R	E	3,258.42
3208	TAGLN2 Transgelin-2	IPI00550363	22,373.90	172	182	NVIGLQMG TNR	K	G	1,218.63
3209	ETF1 Eukaryotic peptide chain release factor subunit 1	IPI00429191	49,014.60	172	179	FTVDLPKK	K	H	947.5562
3210	FEN1 Flap endonuclease 1	IPI00026215	42,576.20	172	192	VYAAATEDMDCLTFGSPVLM R	K	H	2,363.07
3211	RDH11 Isoform 1 of Retinol dehydrogenase 11	IPI00339384	35,368.50	172	184	IVNVSSLAHHLGR	R	I	1,402.79
3212	ATP5A1 ATP synthase subunit alpha, mitochondrial	IPI00440493	59,734.10	172	182	VGLKAPGIIPR	R	I	1,120.72
3213	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	70,881.80	172	187	IINEPTAAAIYGLDK	R	K	1,659.90
3214	LMNA Isoform A of Lamin-A/C	IPI00021405	74,122.60	172	180	LEAALGEAK	K	K	901.499
3215	RAB7A Ras-related protein Rab-7a	IPI00016342	23,472.00	172	191	NALKQETEVLYNEFPEPIK	R	L	2,391.21
3216	PDE12 Isoform 1 of 2',5'-phosphodiesterase 12	IPI00174390,IPI00886797	67,333.70	172	182	YIMAGFPVCPK	R	L	1,282.63
3217	SEPT9 septin 9 isoform a	IPI00784614,IPI00784808,IPI00784936	65,384.30	172	186	VPEVPTAPATDAAPK	K	R	1,463.77
3218	HNRNPA0 Heterogeneous nuclear ribonucleoprotein A0	IPI00011913	30,822.50	172	189	KAVPKEDIYSGGGGGGSR	K	S	1,734.88
3219	KIAA1524 Isoform 1 of Protein CIP2A	IPI00154283	102,171.30	172	181	HNLVSVQTHIK	R	T	1,176.65
3220	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	172	187	IINEPTAAAIYGLDR	R	T	1,687.90
3221	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	172	187	IINEPTAAAIYGLDR	R	T	1,687.90

3222	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	172	187	IINEPTAAAIAYGLDR	R	T	1,687.90
3223	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	172	187	IINEPTAAAIAYGLDR	R	T	1,687.90
3224	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	172	187	IINEPTAAAIAYGLDR	R	T	1,687.90
3225	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	172	187	IINEPTAAAIAYGLDR	R	T	1,687.90
3226	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	70,881.80	172	188	IINEPTAAAIAYGLDKK	R	V	1,787.99
3227	TMCO1 Isoform 1 of Transmembrane and coiled-coil domain-containing protein 1	IPI00026111,IPI00761107	21,158.30	173	186	QAGGFLGPPPPSGK	K	F	1,309.69
3228	MAP2K2 Dual specificity mitogen-activated protein kinase kinase 2	IPI00003783	44,407.20	173	179	VSIIVLR	K	G	757.493
3229	RAB1B Ras-related protein Rab-1B	IPI00008964,IPI00896425	22,154.00	173	187	MGPGAASGGGERPNLK	R	I	1,441.72
3230	ATAD1 ATPase family AAA domain-containing protein 1	IPI00171445,IPI00910210	40,727.10	173	183	LAAAVFSLAIK	K	L	1,103.68
3231	HNRNPA0 Heterogeneous nuclear ribonucleoprotein A0	IPI00011913	30,822.50	173	189	AVPKEDIYSGGGGGGSR	K	S	1,606.78
3232	HNRNPA0 Heterogeneous nuclear ribonucleoprotein A0	IPI00011913	30,822.50	173	189	AVPKEDIYSGGGGGGSR	K	S	1,606.78
3233	XPO1 Exportin-1	IPI00298961,IPI00893013	123,370.90	173	190	LLSEEVDFSSGQITQVK	K	S	2,027.03
3234	NOSIP Nitric oxide synthase-interacting protein	IPI00006408	33,154.00	173	181	ATKLEKPSR	K	T	1,029.61
3235	YKT6 Synaptobrevin homolog YKT6	IPI00008569	22,399.80	174	182	SEVLGTQSK	K	A	948.4997
3236	DDI2 Isoform 3 of Protein DDI1 homolog 2	IPI00031618,IPI00796836,IPI00845258	46,553.90	174	182	VLVEQQQDR	R	A	1,114.59
3237	TRAPP5 Trafficking protein particle complex subunit 5	IPI00177509	20,765.40	174	181	FEEAVIAR	K	D	934.4992
3238	PRDX4 Peroxiredoxin-4	IPI00011937,IPI00639945	30,523.10	174	186	IPLLSDLTHQISK	R	D	1,464.84
3239	HNRNPA2B1 43 kDa protein	IPI00874030	43,234.30	174	190	KLFVGGIKEDTEEHHLR	K	D	2,008.06
3240	HNRNPA2B1 43 kDa protein	IPI00874030	43,234.30	174	181	KLFVGGIK	K	E	861.5558
3241	ST13 Hsc70-interacting protein	IPI00032826	41,314.40	174	188	AIEINPDSAQPYKWR	R	G	1,787.91
3242	- cDNA FLJ54554, highly similar to Pyruvate kinase isozymes M1/M2	IPI00910979	56,255.30	174	191	GADFLVTEVENGGSLGSK	K	K	1,779.88
3243	GPATCH4 Isoform 1 of G patch domain-containing protein 4	IPI00829835	50,363.50	174	184	LEAQEQAFRLAR	R	L	1,275.67
3244	PKM2 Isoform M1 of Pyruvate kinase isozymes M1/M2	IPI00220644,IPI00479186	58,044.60	174	186	IYVDDGLISLQVK	K	Q	1,462.82
3245	CROP Isoform 1 of Cisplatin resistance-associated overexpressed protein	IPI00107745	51,449.10	174	187	STTSTIESFAAQEK	R	Q	1,499.72
3246	RNH1 Ribonuclease inhibitor	IPI00550069	49,956.40	174	188	ELTVSNNNDINEAGVR	K	V	1,630.80
3247	RRM1 Ribonucleoside-diphosphate reductase large subunit	IPI00013871	90,055.50	174	196	VSVGIIHKEDIDAAIETYNLLSE R	R	W	2,572.33
3248	RPL9 60S ribosomal protein L9	IPI00031691	21,845.70	175	192	FLDGIYVSEKGTVQQADE	K	-	1,998.97
3249	SGTA Small glutamine-rich tetratricopeptide repeat-containing protein alpha	IPI00013949	34,045.90	175	184	HVEAVAYYKK	K	A	1,207.65
3250	SEPT2 Septin-2	IPI00014177,IPI00871851,IPI00894340	41,470.10	175	183	VNIVPVIK	K	A	952.619
3251	BUB3 Mitotic checkpoint protein BUB3	IPI00013468,IPI00514701,IPI00644108	37,136.70	175	183	ESSLKYQTR	R	C	1,111.57
3252	HNRNPA2B1 43 kDa protein	IPI00874030	43,234.30	175	190	LFVGGIKEDTEEHHLR	K	D	1,879.97
3253	HNRNPC Isoform C1 of Heterogeneous nuclear ribonucleoproteins C1/C2	IPI00216592,IPI00477313,IPI00909232	32,320.00	175	185	LKGDDLQAIKK	K	E	1,228.73
3254	HNRNPC Isoform C1 of Heterogeneous nuclear ribonucleoproteins C1/C2	IPI00216592,IPI00477313,IPI00909232	32,320.00	175	185	LKGDDLQAIKK	K	E	1,228.73
3255	ELAVL1 cDNA FLJ60076, highly similar to ELAV-like protein 1	IPI00301936	38,979.00	175	180	GVAFIR	R	F	662.3984
3256	RHOG Rho-related GTP-binding protein RhoG	IPI00017342	21,290.10	175	184	AVLNPTPIKR	R	G	1,108.68
3257	RPL9 60S ribosomal protein L9	IPI00031691	21,845.70	175	184	FLDGIYVSEK	K	G	1,170.60
3258	HNRNPH3 Isoform 1 of Heterogeneous nuclear ribonucleoprotein H3	IPI00013877,IPI00216492	36,909.60	175	200	GMGGHGYGGAGDASSGFHG R	R	G	2,575.07
3259	UBA1 Ubiquitin-like modifier-activating enzyme 1	IPI00645078	117,832.30	175	182	VGEFCHNR	R	G	1,018.45
3260	PSMA1 Isoform Short of Proteasome subunit alpha type-1	IPI00016832,IPI00472442	29,538.00	175	189	HMSEFMECNLNLVVK	R	H	1,912.82

3261	ATP2A2 Isoform SERCA2A of Sarcoplasmic/endoplasmic reticulum calcium ATPase 2	IPI00177817,IPI00219078,IPI00747443	109,674.90	175	189	VDQSILTGESVSVIK	R	H	1,574.86
3262	MAPRE1 Microtubule-associated protein RP/EB family member 1	IPI00017596,IPI00910350	29,981.50	175	181	AGPGVVR	K	K	655.3886
3263	ILF2 Interleukin enhancer-binding factor 2	IPI00005198,IPI00872107	43,044.70	175	185	ILITVPPNLR	K	K	1,236.77
3264	RPS3A 40S ribosomal protein S3a	IPI00419880,IPI00472119	29,927.30	175	187	EVQTNLDKEVVNK	R	L	1,515.80
3265	ETFB Isoform 1 of Electron transfer flavoprotein subunit beta	IPI00004902,IPI00556451	27,825.50	175	186	LKLPAVVTADLR	R	L	1,295.80
3266	PSMA7 Isoform 1 of Proteasome subunit alpha type-7	IPI00024175	27,869.10	175	189	NYTDEAIETDDLTIK	K	L	1,740.82
3267	NAMPT Isoform 1 of Nicotinamide phosphoribosyltransferase	IPI00018873	55,504.50	175	189	YLLETSGNLDGLEYSK	K	L	1,714.85
3268	RAC1 Isoform A of Ras-related C3 botulinum toxin substrate 1	IPI00010271,IPI00219675	21,432.60	175	184	AVLCPPPVKK	R	R	1,108.65
3269	AHCY Adenosylhomocysteinase	IPI00012007	47,699.10	175	186	VPAINVNDSVTK	K	S	1,256.68
3270	EIF4E2 Eukaryotic translation initiation factor 4E type 2	IPI00744211,IPI00915774	28,344.70	175	185	FQEDIISIWNK	R	T	1,392.72
3271	VDAC3 Isoform 1 of Voltage-dependent anion-selective channel protein 3	IPI00031804,IPI00294779	30,641.90	175	197	AADFQLHTHVNDGTEFGGSI	K	V	2,535.19
3272	VDAC1 Voltage-dependent anion-selective channel protein 1	IPI00216308	30,755.90	175	197	YQK TDEFQLHTNVNDGTEFGGSIY	K	V	2,600.19
3273	CCT4 T-complex protein 1 subunit delta	IPI00302927,IPI00873222	57,907.90	175	193	QK VVSQYSSLLSPMSVNAVMMK	K	V	2,072.04
3274	DCTN5 Dynactin subunit 5	IPI00032498	20,108.10	176	182	FLPLTQV	K	-	817.4819
3275	SEPT11 Septin-11	IPI00019376	49,381.10	176	184	VNIIPPIAK	K	A	980.6504
3276	TOMM40 Isoform 1 of Mitochondrial import receptor subunit TOM40 homolog	IPI00014053	37,875.10	176	184	MAIQTQQSK	K	F	1,050.53
3277	RPL7A 60S ribosomal protein L7a	IPI00299573	29,978.30	176	185	KMGVPYCIK	R	G	1,208.65
3278	KHDRBS1 Isoform 1 of KH domain-containing, RNA-binding, signal transduction-associated protein 1	IPI00008575,IPI00385834,IPI00479209	48,210.20	176	186	ILGPQGNTIKR	K	L	1,196.71
3279	RPL10 60S ribosomal protein L10	IPI00554723,IPI00646899,IPI00853161	24,586.60	176	188	FNADEFEDMVAEK	K	R	1,544.66
3280	KHDRBS1 Isoform 1 of KH domain-containing, RNA-binding, signal transduction-associated protein 1	IPI00008575,IPI00385834,IPI00479209	48,210.20	176	185	ILGPQGNTIK	K	R	1,040.61
3281	RAB1A Isoform 1 of Ras-related protein Rab-1A	IPI00005719,IPI00873902	22,660.40	176	187	MGPATAGGAEK	R	S	1,062.49
3282	TBCB Tubulin folding cofactor B	IPI00293126	27,307.50	176	196	RGTVMYVGLTDFKPGYWIGV R	R	Y	2,431.26
3283	NSDHL Sterol-4-alpha-carboxylate 3-dehydrogenase, decarboxylating	IPI00019407,IPI00646262	41,882.80	177	181	ILQER	K	A	658.3883
3284	PRPS1 Ribose-phosphate pyrophosphokinase 1	IPI00219616,IPI00917169	34,816.70	177	194	RVTSIADRLNVDFALIK	K	E	2,068.17
3285	EIF3I Eukaryotic translation initiation factor 3 subunit I	IPI00012795	36,484.00	177	185	SGEVLNVK	K	E	944.5411
3286	NARG1 Isoform 1 of NMDA receptor-regulated protein 1	IPI00386189	101,259.90	177	201	TQQTSPDKVDYESELLLYQN	K	E	3,030.51
3287	MDH2 Malate dehydrogenase, mitochondrial	IPI00291006	35,485.70	177	185	QVLR ANTFVAELK	R	G	992.5411
3288	NONO Non-POU domain-containing octamer-binding protein	IPI00304596	54,213.60	177	184	AVVIVDDR	R	G	886.4993
3289	NONO Non-POU domain-containing octamer-binding protein	IPI00304596	54,213.60	177	184	AVVIVDDR	R	G	886.4993
3290	CACYBP Isoform 1 of Calcyclin-binding protein	IPI00395627	26,192.30	177	197	EKPSYDTETDPSEGLMNVLK	K	I	2,397.15
3291	RAB8A Ras-related protein Rab-8A	IPI00028481	23,651.60	177	190	K LEGNSPQGSNQGK	K	I	1,414.69
3292	RSL1D1 Ribosomal L1 domain-containing protein 1	IPI00008708,IPI00642046	54,956.70	177	188	KKVPVSVNLLSK	R	N	1,311.84
3293	BRD2 Isoform 1 of Bromodomain-containing protein 2	IPI00014414,IPI00797929,IPI00893088,IPI00893622	88,045.30	177	193	VASMPQEEQELVVTIPK	K	N	1,913.99
3294	EIF3I Eukaryotic translation initiation factor 3 subunit I	IPI00012795	36,484.00	177	189	SGEVLNVKHEHSR	K	Q	1,453.78
3295	HNRNPA0 Heterogeneous nuclear ribonucleoprotein A0	IPI00011913	30,822.50	177	189	EDIYSGGGGGGSR	K	S	1,211.53

3296	SEH1L Isoform A of Nucleoporin SEH1-like	UPI00185533,UPI00220609	39,630.00	177	196	AHSPMIAVGSDDSSPNAMAK	R	V	2,017.90
3297	CDC2 Putative uncharacterized protein DKFZp686L20222	UPI00026689	34,762.10	177	186	SPEVLLGSAR	R	Y	1,028.57
3298	CDC2 Putative uncharacterized protein DKFZp686L20222	UPI00026689	34,762.10	177	186	SPEVLLGSAR	R	Y	1,028.57
3299	BTF3 Isoform 1 of Transcription factor BTF3	UPI00221035	22,150.30	178	206	APLATGEDDDDEVPLVNF DEASKNEAN YKFEVYEKND	K	-	3,119.35
3300	DHFR Dihydrofolate reductase	UPI00030357,UPI00887771	21,435.30	178	187	YKFEVYEKND	K	-	1,334.63
3301	DDX5 Probable ATP-dependent RNA helicase DDX5	UPI00017617	69,131.70	178	192	ELAQQVQQVAAEYCR	R	A	1,792.86
3302	DDX5 Probable ATP-dependent RNA helicase DDX5	UPI00017617	69,131.70	178	192	ELAQQVQQVAAEYCR	R	A	1,792.86
3303	DDX5 Probable ATP-dependent RNA helicase DDX5	UPI00017617	69,131.70	178	192	ELAQQVQQVAAEYCR	R	A	1,792.86
3304	UGDH UDP-glucose 6-dehydrogenase	UPI00031420	55,007.30	178	190	VLIGGDETPEGQR	R	A	1,370.69
3305	PCBP1 Poly(rC)-binding protein 1	UPI00016610	37,480.20	178	200	VMTIPYQMPASSPVICAGGQ DR	R	C	2,507.17
3306	NUDCD3 NudC domain-containing protein 3	UPI00238209	40,803.60	178	187	NPDSYNGAVR	K	E	1,092.51
3307	EIF4A1 Eukaryotic initiation factor 4A-I	UPI00025491,UPI00871852	46,137.30	178	190	MFVLDEADEMLSR	K	G	1,587.70
3308	ATP1A1 Isoform Long of Sodium/potassium- transporting ATPase subunit alpha-1	UPI00006482,UPI00646182	112,881.50	178	194	MSINAEVSVVGDLEVK	K	G	1,846.95
3309	ATP1B3 Sodium/potassium-transporting ATPase subunit beta-3	UPI00008167	31,495.70	178	188	IIGLKPEGVPR	R	I	1,178.73
3310	ATP1B3 Sodium/potassium-transporting ATPase subunit beta-3	UPI00008167	31,495.70	178	188	IIGLKPEGVPR	R	I	1,178.73
3311	THOC6 Isoform 1 of THO complex subunit 6 homoloq	UPI00328985,UPI00641826	37,517.00	178	193	ERSPEVLGGEDGAVR	R	L	1,657.81
3312	LY6G5B;CSNK2B Casein kinase II subunit beta	UPI00010865,UPI00640088	24,924.90	178	186	RPANQFVPR	K	L	1,084.60
3313	ASRGL1 Isoform 1 of L-asparaginase	UPI00555734	32,036.10	178	192	GNVAYATSTGGIVNK	K	M	1,451.75
3314	KHSRP KH-type splicing regulatory protein	UPI00479786,UPI00855957	73,097.60	178	190	VQISPDSGGLPER	K	S	1,354.70
3315	JUP Junction plakoglobin	UPI00554711	81,727.90	178	191	ALMGSPQLVAAVVR	R	T	1,427.80
3316	SFRS6 Isoform SRP55-1 of Splicing factor, arginine/serine-rich 6	UPI00012345,UPI00215879,UPI00556297	39,570.40	178	184	LIEDKPR	R	T	870.5045
3317	TRMT1 Isoform 1 of N(2),N(2)-dimethylguanosine tRNA methyltransferase	UPI00020508,UPI00178861	72,215.30	179	188	SVVANDASTR	R	A	1,019.51
3318	UCHL1 Ubiquitin carboxyl-terminal hydrolase isozyme L1	UPI00018352	24,806.30	179	195	MPFPVNHGASSEDLLK	R	D	1,842.91
3319	MGMT O-6-methylguanine-DNA methyltransferase	UPI00028618	25,031.90	179	196	VVCSSGAVGNYSGLAVK	R	E	1,724.86
3320	EIF4A2 Isoform 1 of Eukaryotic initiation factor 4A-II	UPI00328328,UPI00409717	46,385.60	179	191	MFVLDEADEMLSR	K	G	1,587.70
3321	BZW1 Isoform 2 of Basic leucine zipper and W2 domain-containing protein 1	UPI00180128,UPI00785096,UPI00916112,UPI00916503,UPI00918019	40,522.00	179	188	EGVSAAFAVK	K	L	978.5254
3322	SERPINB6 Putative uncharacterized protein DKFZp686I04222	UPI00413451,UPI00749398	46,353.40	179	193	IAELSPGSDVPLTR	K	L	1,567.87
3323	RAB35 Ras-related protein Rab-35	UPI00300096	23,007.20	179	189	QQQQQQNDVVK	K	L	1,342.67
3324	TOR1AIP1 Putative uncharacterized protein TOR1AIP1	UPI00792065	66,301.60	179	193	SIQEAPAVSEDLVIR	R	L	1,626.87
3325	QTRTD1 48 kDa protein	UPI00074010,UPI00783033	48,185.80	179	188	SLFLDNCLR	R	L	1,250.66
3326	UFD1L Isoform Short of Ubiquitin fusion degradation protein 1 homoloq	UPI00218292,UPI00655754,UPI00873326	34,483.20	179	202	AVSIECDMNVDFDAPLGYKE PER	K	Q	2,768.29
3327	IGF2BP1 Insulin-like growth factor 2 mRNA-binding protein 1	UPI00008557	63,438.30	179	190	QGSPVAAGAPAK	R	Q	1,053.57
3328	HNRNPL Heterogeneous nuclear ribonucleoprotein L	UPI00027834	64,114.80	179	189	ISRPGSDDSR	K	S	1,204.56
3329	UCHL1 Ubiquitin carboxyl-terminal hydrolase isozyme L1	UPI00018352	24,806.30	179	199	MPFPVNHGASSEDLLKDAA K	R	V	2,228.10
3330	PEBP1 Phosphatidylethanolamine-binding protein 1	UPI00219446	21,038.90	180	187	LYEQLSGK	K	-	937.499
3331	HNRNPA1 Isoform A1-B of Heterogeneous nuclear ribonucleoprotein A1	UPI00215965,UPI00465365	38,828.10	180	194	ALSKQEMASASSSQR	K	G	1,596.76
3332	SNRPA1 U2 small nuclear ribonucleoprotein A'	UPI00297477	28,399.10	180	191	TFNPGAGLPTDK	K	K	1,217.62

3333	THOC6 Isoform 1 of THO complex subunit 6 homolog	IPI00328985,IPI00641826	37,517.00	180	193	SPEVLSSGGEDGAVR	R	L	1,372.67
3334	TMUB2 Isoform 1 of Transmembrane and ubiquitin-like domain-containing protein 2	IPI00743888,IPI00760551,IPI00909916	33,769.90	180	200	FLNDTEELAVARPEDTVGALK	K	S	2,288.18
3335	PFKM cDNA FLJ44241 fis, clone THYMU3008436, highly similar to 6-phosphofructokinase, muscle type	IPI00465179,IPI00743142	93,203.30	180	200	GITNLCVIGGDGSLTGADTFR	R	S	2,124.04
3336	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	180	185	YIEIFK	R	S	812.4553
3337	HNRNPH2 Heterogeneous nuclear ribonucleoprotein H2	IPI00026230	49,246.10	180	185	YIEIFK	R	S	812.4553
3338	XRCC4 Isoform 1 of DNA repair protein XRCC4	IPI00007672,IPI00019678,IPI00401064	38,269.70	180	188	FILVLNEKK	R	T	1,103.68
3339	HNRNPK Isoform 1 of Heterogeneous nuclear ribonucleoprotein K	IPI00216049,IPI00216746,IPI00807545,IPI00910458	50,960.50	180	191	LFQECCPHSTDR	K	V	1,549.65
3340	PSMD13 proteasome 26S non-ATPase subunit 13 isoform 2	IPI00375380,IPI00549672	42,924.90	181	198	FLGCVDIKLPVSEQQER	R	A	2,133.06
3341	PSMD13 proteasome 26S non-ATPase subunit 13 isoform 2	IPI00375380,IPI00549672	42,924.90	181	198	FLGCVDIKLPVSEQQER	R	A	2,133.06
3342	PRDX5 Isoform Mitochondrial of Peroxiredoxin-5, mitochondrial	IPI00024915,IPI00759663,IPI00876999	22,008.30	181	191	FSMVVQDGIVK	R	A	1,222.65
3343	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	181	196	IRYESLTDPSKLDGSK	K	E	1,808.94
3344	GNPDA1 Glucosamine-6-phosphate isomerase 1	IPI00009305	32,651.40	181	197	VPTMALTGVGTVMDAR	K	E	1,749.89
3345	- Putative uncharacterized protein ENSP00000348237	IPI00453476,IPI00549725	28,832.80	181	191	VLIAAHGNSLR	R	G	1,150.67
3346	TCP1 T-complex protein 1 subunit alpha	IPI00290566	60,327.20	181	185	YTDIR	K	G	667.341
3347	AURKA Serine/threonine-protein kinase 6	IPI00298940	45,791.80	181	189	EVEIQSHLR	R	H	1,110.59
3348	SPC25 Kinetochore protein Spc25	IPI00010219	26,136.20	181	202	DYEVSDSAPHLEGLAEFQEN VR	R	K	2,505.15
3349	CIP29 Nuclear protein Hcc-1	IPI00014938,IPI00795769	23,653.20	181	199	FGIVTSSAGTGTTEDTEAK	R	K	1,871.89
3350	APEH Acylamino-acid-releasing enzyme	IPI00337741	81,206.00	181	193	ALDVSASDDEIAR	K	L	1,361.65
3351	APEH Acylamino-acid-releasing enzyme	IPI00337741	81,206.00	181	193	ALDVSASDDEIAR	K	L	1,361.65
3352	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	181	196	VILHLKEDQTEYLEER	K	R	2,015.04
3353	COPS5 COP9 signalosome complex subunit 5	IPI00009958,IPI00556139	37,561.90	181	187	VNLGAFR	K	T	776.4413
3354	GPI Glucose-6-phosphate isomerase	IPI00027497	63,130.40	181	194	VWYVSNIDGTHIAK	R	T	1,602.83
3355	SNRPB2 U2 small nuclear ribonucleoprotein B"	IPI00029267	25,469.50	182	204	LVPGRHDIAFVEFENDGQAG AAR	R	D	2,469.23
3356	UBE2T Ubiquitin-conjugating enzyme E2 T	IPI00023087	22,503.80	182	192	KASQLVGIKK	R	F	1,200.73
3357	RPL7 60S ribosomal protein L7	IPI00030179,IPI00472171,IPI00871827	29,209.70	182	200	YGIICMEDLIHEYTVGKR	K	F	2,326.16
3358	MAT2A S-adenosylmethionine synthetase isoform type-2	IPI00010157	43,642.80	182	192	TQVTVQYMQDR	K	G	1,384.65
3359	API5 Isoform 2 of Apoptosis inhibitor 5	IPI00554742,IPI00555572,IPI00855856	56,754.30	182	196	VLEDVTGEEFVLFMK	K	I	1,771.88
3360	ABCE1 ATP-binding cassette sub-family E member 1	IPI00303207	67,298.40	182	190	GTVGSILDR	K	K	917.5052
3361	- cDNA FLJ54408, highly similar to Heat shock 70 kDa protein 1	IPI00911039	63,907.90	182	192	LVNHFVEEFKR	R	K	1,417.76
3362	CCT2 T-complex protein 1 subunit beta	IPI00297779	57,471.90	182	189	LAVEAVLR	K	L	870.5407
3363	DCTN2 dynactin 2	IPI00220503,IPI00789792	44,802.30	182	190	LLLQLEATK	R	N	1,028.64
3364	CAPZB Isoform 2 of F-actin-capping protein subunit beta	IPI00642256	30,611.70	182	195	SGSGTMNLGGSLTR	K	Q	1,353.64
3365	MCM6 DNA replication licensing factor MCM6	IPI00031517	92,872.60	182	188	NPVCANR	R	R	830.3937
3366	CCT8 T-complex protein 1 subunit theta	IPI00784090	59,603.00	182	203	LIAQACVSIFPDSGHFNVDNIR	K	V	2,473.23
3367	PCNA Proliferating cell nuclear antigen	IPI00021700	28,751.30	182	210	LSQTSNVDKEEEAVTIEMNEP VQLTFALR	K	Y	3,307.64
3368	PARK7 Protein DJ-1	IPI00298547	19,873.10	183	189	APLVLKD	K	-	755.4663
3369	PRDX6 Peroxiredoxin-6	IPI00220301	25,018.10	183	199	DGDSVMVLPTIPEEEAK	K	K	1,845.88
3370	RPS5 40S ribosomal protein S5	IPI00008433	22,859.00	183	191	GSSNSYAIK	K	K	926.4577
3371	TSN Translin	IPI00018768,IPI00917623	26,165.40	183	192	LLNLKNSLR	R	K	1,185.70

3372	TKT cDNA FLJ54957, highly similar to Transketolase	IPI00643920	68,725.40	183	194	LDNLVAILDINR	K	L	1,368.78
3373	RUVBL1 Isoform 1 of RuvB-like 1	IPI00021187	50,211.40	183	202	ERVEAGDVIYIEANS GAVKR	K	Q	2,176.14
3374	TAGLN2 Transgelin-2	IPI00550363	22,373.90	183	196	GASQAGMTGYGMPR	R	Q	1,415.60
3375	ILF3 Isoform 1 of Interleukin enhancer-binding factor 3	IPI00298788	95,320.90	183	200	VLAGETLSVNDPPDVLDR	K	Q	1,909.99
3376	ILF3 Isoform 1 of Interleukin enhancer-binding factor 3	IPI00298788	95,320.90	183	200	VLAGETLSVNDPPDVLDR	K	Q	1,909.99
3377	RBM4 Isoform 1 of RNA-binding protein 4	IPI00003704	40,296.20	183	198	VADLTEQYNEQYGAVR	R	T	1,855.88
3378	RBM4 Isoform 1 of RNA-binding protein 4	IPI00003704	40,296.20	183	198	VADLTEQYNEQYGAVR	R	T	1,855.88
3379	RPS7 40S ribosomal protein S7	IPI00013415	22,109.50	184	194	DVNFEFPEFQL	K	-	1,384.64
3380	TSEN34 27 kDa protein	IPI00657943,IPI00658061,IPI00894217	27,261.80	184	199	SALLVQLATARPRPVK	R	A	1,720.06
3381	SAE1 SUMO-activating enzyme subunit 1	IPI00033130,IPI00640965,IPI00647006	38,432.10	184	196	VSQGVEDGPDTKR	K	A	1,387.68
3382	ARD1A N-terminal acetyltransferase complex ARD1 subunit homolog A	IPI00013184	26,441.00	184	198	GNSPPSSGEACREEK	K	G	1,604.70
3383	EIF2A Isoform 1 of Eukaryotic translation initiation factor 2A	IPI00902564	64,973.20	184	192	VAVYVPGSK	K	G	919.5247
3384	HNRNPD Isoform 1 of Heterogeneous nuclear ribonucleoprotein D0	IPI0022888,IPI00220684	38,416.50	184	197	IFVGGLSPDTPEEK	K	I	1,488.76
3385	HNRNPD Isoform 1 of Heterogeneous nuclear ribonucleoprotein D0	IPI0022888,IPI00220684	38,416.50	184	197	IFVGGLSPDTPEEK	K	I	1,488.76
3386	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	184	193	IGAEVYHNLK	R	N	1,143.62
3387	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	184	193	IGAEVYHNLK	R	N	1,143.62
3388	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	184	193	IGAEVYHNLK	R	N	1,143.62
3389	RBP1 retinol binding protein 1, cellular isoform a	IPI00219718	22,292.30	184	190	VEGVVCK	R	Q	790.4128
3390	SAE1 SUMO-activating enzyme subunit 1	IPI00033130,IPI00640965,IPI00647006	38,432.10	184	195	VSQGVEDGPDTK	K	R	1,231.58
3391	SAE1 SUMO-activating enzyme subunit 1	IPI00033130,IPI00640965,IPI00647006	38,432.10	184	195	VSQGVEDGPDTK	K	R	1,231.58
3392	GHDC Isoform 1 of GH3 domain-containing protein	IPI00427501,IPI00427502,IPI00909449	57,505.60	184	191	ALLLDALR	R	S	884.5565
3393	RAB5B Ras-related protein Rab-5B	IPI00017344,IPI00908835	23,688.90	184	195	SEPQNLGGAAGR	K	S	1,156.57
3394	CMPK1 cytidine monophosphate (UMP-CMP) kinase 1, cytosolic isoform a	IPI00219953	25,837.80	184	203	IQTYLQSTKPIIDL YEEMGK	R	V	2,386.22
3395	SAR1A GTP-binding protein SAR1a	IPI00015954	22,349.70	184	191	QGYGEGFR	R	W	913.4163
3396	RPA1 Replication protein A 70 kDa DNA-binding subunit	IPI00020127	68,121.00	184	196	VVPIASLTPYQSK	K	W	1,402.79
3397	CTBP1 C-terminal-binding protein 1	IPI00012835,IPI00554626	47,517.40	185	192	VGQAVLR	R	A	813.4941
3398	RPS8 40S ribosomal protein S8	IPI00216587,IPI00872430	24,188.40	185	193	ADGYVLE GK	R	E	951.4783
3399	RPS8 40S ribosomal protein S8	IPI00216587,IPI00872430	24,188.40	185	193	ADGYVLE GK	R	E	951.4783
3400	PRPS1 Ribose-phosphate pyrophosphokinase 1	IPI00219616,IPI00917169	34,816.70	185	194	LNVD FALIHK	R	E	1,169.67
3401	XRCC5 ATP-dependent DNA helicase 2 subunit 2	IPI00220834,IPI00871391	82,689.10	185	195	LGHG P S F P L K	R	G	1,109.61
3402	PELO Protein pelota homolog	IPI00106698	43,358.40	185	195	FYEQV V Q A I Q R	R	H	1,380.73
3403	PGK1 Phosphoglycerate kinase 1	IPI00169383	44,597.30	185	191	AGGF L M K	K	K	723.3859
3404	DDX21 Isoform 1 of Nucleolar RNA helicase 2	IPI00015953	87,328.00	185	199	EGAFS N F P I S E E T I K	K	L	1,668.81
3405	SEC13 Protein SEC13 homolog	IPI00375370,IPI00479141,IPI00789169,IPI00789755,IPI00853598	35,838.00	185	195	FASGGCDNL I K	R	L	1,181.56
3406	GNB2L1 38 kDa protein	IPI00641950,IPI00848226	37,740.10	185	201	FSPNSSNPII V S C G W D K	R	L	1,907.90
3407	RAB5C Ras-related protein Rab-5C	IPI00016339	23,464.70	185	196	NEPQNATGAPGR	K	N	1,211.58
3408	RUVBL1 Isoform 1 of RuvB-like 1	IPI00021187	50,211.40	185	202	VEAGDVIYIEANS GAVKR	R	Q	1,890.99
3409	RUVBL1 Isoform 1 of RuvB-like 1	IPI00021187	50,211.40	185	201	VEAGDVIYIEANS GAVK	R	R	1,734.89
3410	SGTA Small glutamine-rich tetratricopeptide repeat-containing protein alpha	IPI00013949	34,045.90	185	196	ALELDPDNETYK	K	S	1,407.66
3411	PFKL Isoform 1 of 6-phosphofructokinase, liver type	IPI00332371,IPI00902982	85,001.20	185	201	IMEVIDAITTTAQSHQR	R	T	1,929.97
3412	PTGR1 Prostaglandin reductase 1	IPI00292657	35,852.50	185	194	LGFDVVFNYK	K	T	1,201.63
3413	RFC5 Replication factor C subunit 5	IPI00031514,IPI00373883	38,480.40	186	203	LEHVVEEEKVDISEDG MK	R	A	2,102.00
3414	FDFT1 Squalene synthetase	IPI00020944,IPI00908715	48,098.40	186	203	LFSASEFEDPLVGEDTER	R	A	2,040.94
3415	RFC4 Replication factor C subunit 4	IPI00017381,IPI00792595	39,664.50	186	193	IIEPLTSR	R	C	928.5463

3416	FSCN1 Fascin	IPI00163187,IPI00747810	54,512.30	186	194	YSVQTADHR	R	F	1,076.51
3417	PPP2CA Serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform	IPI00008380	35,576.50	186	206	LQEVPHGPMCDLLWSDPDD R	R	G	2,509.11
3418	PCCA propionyl-Coenzyme A carboxylase, alpha polypeptide isoform a precursor	IPI00744115,IPI00796978,IPI00895869	80,041.20	186	207	KAEVNTIPGFDGVVKDAEEAV R	K	I	2,344.21
3419	AASDHPPT L-aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase	IPI00250297	35,759.10	186	197	AIGVGLGFELQR	K	L	1,259.71
3420	SYAP1 Synapse-associated protein 1	IPI00059242	39,915.40	186	191	FALVPK	R	L	674.4236
3421	SYAP1 Synapse-associated protein 1	IPI00059242	39,915.40	186	191	FALVPK	R	L	674.4236
3422	CORO1C Coronin-1C_i3 protein	IPI00867509	58,930.80	186	196	VGIVAWHPTAR	R	N	1,206.67
3423	HMOX1 Heme oxygenase 1	IPI00215893	32,801.10	186	196	MNSLEMTPAVR	R	Q	1,280.60
3424	PNPO Pyridoxine-5'-phosphate oxidase	IPI00018272,IPI00793232	29,970.20	186	204	KKNEELEQLYQDQEVKPKK	R	S	2,343.22
3425	ATG3 Isoform 1 of Autophagy-related protein 3	IPI00022254	35,846.20	186	198	TDAGGEDAILQTR	K	T	1,346.65
3426	UCHL3 Ubiquitin carboxyl-terminal hydrolase isozyme L3	IPI00011250	26,164.80	187	211	KPFPINHGGETSDETLLEDAIEV CKK	R	F	2,870.42
3427	PSMC2 26S protease regulatory subunit 7	IPI00021435	48,617.60	187	200	LREVVETPLLHPER	K	F	1,687.95
3428	EIF3L Eukaryotic translation initiation factor 3, subunit E interacting protein	IPI00465233,IPI00745266	70,886.50	187	196	VSGGPSLEQR	K	F	1,029.53
3429	HSPA5 HSPA5 protein	IPI00003362	72,405.60	187	198	DAGTIAGLNVMR	K	I	1,217.63
3430	PSMD3 26S proteasome non-ATPase regulatory subunit 3	IPI00011603	60,961.60	187	194	ISDDLQMK	K	I	965.4611
3431	AK2 Isoform 1 of Adenylate kinase isoenzyme 2, mitochondrial	IPI00215901	26,461.00	187	202	LQAYHTQTTPLIEYYR	R	K	1,997.01
3432	PDCD10 Programmed cell death protein 10	IPI00298558	24,684.50	187	196	AINVFSANR	K	L	1,090.60
3433	PABPC1 Isoform 1 of Polyadenylate-binding protein 1	IPI00008524	70,653.30	187	196	AKEFTNVYIK	R	N	1,212.66
3434	PABPC4 Isoform 1 of Polyadenylate-binding protein 4	IPI00012726,IPI00555747,IPI00642904,IPI00642944	70,765.80	187	196	AKEFTNVYIK	K	N	1,212.66
3435	RAB2B Ras-related protein Rab-2B	IPI00102896	24,197.10	187	204	IGPQQSISTSVGPSASQR	K	N	1,799.92
3436	HNRNPU heterogeneous nuclear ribonucleoprotein U isoform a	IPI00644079	90,567.20	187	204	SSGPTSLFAVTVAPPGAR	K	Q	1,714.91
3437	DNAJB12 DnaJ (Hsp40) homolog, subfamily B, member 12	IPI00014400	45,472.60	187	200	AIGTAYAVLSNPEK	K	R	1,433.76
3438	EEF1D Elongation factor 1-delta	IPI00023048	31,103.90	187	195	AKKPALVAK	K	S	925.6194
3439	BUB3 Mitotic checkpoint protein BUB3	IPI00013468,IPI00514701,IPI00644108	37,136.70	187	202	AFPNNKQGYVLSSIEGR	R	V	1,765.92
3440	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	187	197	VIADNVKDWSK	K	V	1,274.67
3441	C11orf73 Uncharacterized protein C11orf73	IPI00410091	21,609.50	188	196	LAQNPLFWK	R	-	1,116.62
3442	HNRPDL Isoform 1 of Heterogeneous nuclear ribonucleoprotein D-like	IPI00011274,IPI00045498,IPI00845282	46,420.60	188	197	SRGFGFVLFK	R	D	1,157.65
3443	EEF1G cDNA FLJ56389, highly similar to Elongation factor 1-gamma	IPI00000875,IPI00747497	56,132.90	188	197	ILGLLDAYLK	R	T	1,118.68
3444	PSMA4 Proteasome subunit alpha type-4	IPI00299155,IPI00790207	29,466.80	188	195	SALALAIK	K	V	786.5084
3445	SH3GLB1 Isoform 1 of Endophilin-B1	IPI00006558	40,780.00	189	196	NSSEQELR	R	I	962.4537
3446	PKM2 Isoform M1 of Pyruvate kinase isozymes M1/M2	IPI00220644,IPI00479186	58,044.60	189	206	GADFLVTEVENGGSLGSK	K	K	1,779.88
3447	LAP3 Isoform 1 of Cytosol aminopeptidase	IPI00419237,IPI00789806	56,149.70	189	200	GVLFASGQNLAR	K	Q	1,232.67
3448	EEF1D Elongation factor 1-delta	IPI00023048	31,103.90	189	195	KPALVAK	K	S	726.4873
3449	GSTP1 Glutathione S-transferase P	IPI00219757	23,338.70	190	210	LKAFLASPEYVNLPIPINGNGKQ	K	-	2,273.23
3450	FKBP4 FK506-binding protein 4	IPI00219005	51,787.90	190	206	FEIGEGENLDLPYGLER	R	A	1,950.94
3451	TCP1 T-complex protein 1 subunit alpha	IPI00290566	60,327.20	190	199	YPVNSVNILK	R	A	1,146.65
3452	HNRPDL Isoform 1 of Heterogeneous nuclear ribonucleoprotein D-like	IPI00011274,IPI00045498,IPI00845282	46,420.60	190	197	GFGFVLFK	R	D	914.5135
3453	SLC25A3 Isoform A of Phosphate carrier protein, mitochondrial	IPI00022202,IPI00215777,IPI00790115	40,077.90	190	201	IQTQPGYANTLR	R	D	1,361.72
3454	SLC25A3 Isoform A of Phosphate carrier protein, mitochondrial	IPI00022202,IPI00215777,IPI00790115	40,077.90	190	201	IQTQPGYANTLR	R	D	1,361.72
3455	DDOST dolichyl-diphosphooligosaccharide-protein glycosyltransferase precursor	IPI00297084,IPI00910419	50,784.50	190	198	SSLNPILFR	K	G	1,046.60

3456	PNO1 RNA-binding protein PNO1	IPI00024524	27,907.30	190	199	TKFTIENVTR	K	T	1,208.66
3457	NP cDNA FLJ25678 fis, clone TST04067, highly similar to PURINE NUCLEOSIDE PHOSPHORYLASE	IPI00017672,IPI00871140	32,533.50	190	211	ELQEGTYVMVAGPSFETVAE CR	R	V	2,473.14
3458	PSMD7 26S proteasome non-ATPase regulatory subunit 7	IPI00019927	37,007.50	191	199	ITNQVHGLK	R	G	1,009.58
3459	NONO Non-POU domain-containing octamer-binding protein	IPI00304596	54,213.60	191	202	GIVEFSGKPAAR	K	K	1,231.68
3460	IGF2BP1 Insulin-like growth factor 2 mRNA-binding protein 1	IPI00008557	63,438.30	191	199	QQQVDIPLR	K	L	1,096.61
3461	MUL1 Mitochondrial ubiquitin ligase activator of NFKB 1	IPI00470595	39,781.50	191	209	VGATLTGVGELVLDNNSVR	K	L	1,914.03
3462	INO80E INO80 complex subunit E	IPI00168357,IPI00815939	26,461.60	191	207	GSGAGVGTTLTLPPLPPK	R	M	1,549.86
3463	HNRNPA2B1 43 kDa protein	IPI00874030	43,234.30	191	208	DYFEEYKIDTIEITDR	R	Q	2,220.07
3464	INO80E INO80 complex subunit E	IPI00168357,IPI00815939	26,461.60	191	219	GSGAGVGTTLTLPPLPPKMPP PTLSTVPR	R	Q	2,855.57
3465	RBBP5 cDNA FLJ59722, highly similar to Retinoblastoma-binding protein 5	IPI00478230,IPI00645975	55,054.60	191	202	VTTGTSNTTAAIK	R	S	1,193.64
3466	GSTP1 Glutathione S-transferase P	IPI00219757	23,338.70	192	209	AFLASPEYVNLPIPINGNGK	K	-	1,903.99
3467	GSTP1 Glutathione S-transferase P	IPI00219757	23,338.70	192	210	AFLASPEYVNLPIPINGNGKQ	K	-	2,032.05
3468	KPNB1 Importin subunit beta-1	IPI00001639	97,153.30	192	206	LAATNALLNSLEFTK	K	A	1,605.88
3469	JUP Junction plakoglobin	IPI00554711	81,727.90	192	203	TMQNTSDLDтар	R	C	1,368.61
3470	- cDNA FLJ54554, highly similar to Pyruvate kinase isozymes M1/M2	IPI00910979	56,255.30	192	215	KGVNLPGAADLPAVSEKDIQ DLK	K	F	2,477.36
3471	DDI2 Isoform 3 of Protein DDI1 homolog 2	IPI00031618,IPI00796836,IPI00845258	46,553.90	192	205	LFSADPFDEAQAK	R	I	1,551.77
3472	BZW1 Isoform 2 of Basic leucine zipper and W2 domain-containing protein 1	IPI00180128,IPI00785096,IPI00916112,IPI00916503,IPI00918019	40,522.00	192	207	SWINEKDIVAASLR	K	K	1,786.94
3473	RAB1A Isoform 1 of Ras-related protein Rab-1A	IPI00005719,IPI00873902	22,660.40	192	198	IQSTPVK	K	Q	772.4564
3474	MDH2 Malate dehydrogenase, mitochondrial	IPI00291006	35,485.70	192	203	VNVPVIGGHAGK	R	T	1,147.66
3475	SRPRB Signal recognition particle receptor subunit beta	IPI00295098	29,685.10	192	205	LIQQQLEKELNTLR	K	V	1,725.99
3476	BUB3 Mitotic checkpoint protein BUB3	IPI00013468,IPI00514701,IPI00644108	37,136.70	192	202	QGYVLSSIEGR	K	V	1,208.63
3477	HNRNPK Isoform 1 of Heterogeneous nuclear ribonucleoprotein K	IPI00216049,IPI00216746,IPI00807545,IPI00910458	50,960.50	192	201	VVLIGGKPDР	R	V	1,053.64
3478	SPR Sepiapterin reductase	IPI00017469	28,031.50	193	210	VLNYAPGPLDТDMQQLAR	R	E	2,018.00
3479	CDC16 Isoform 1 of Cell division cycle protein 16 homolog	IPI00022091,IPI00376312,IPI00376313,IPI00642377	71,639.80	193	202	LCNEEQELLR	K	F	1,303.63
3480	SNRPA1 U2 small nuclear ribonucleoprotein A'	IPI00297477	28,399.10	193	219	KGGPSPGDVEAIKNAIANAST LAEVER	K	L	2,694.41
3481	EZR Ezrin	IPI00746388,IPI00843975,IPI00872684	69,265.40	193	208	IAQDLEMYGINYFEIK	K	N	1,962.95
3482	NUDC Nuclear migration protein nudC	IPI00550746	38,225.70	193	204	LKGKDMVVDIQR	R	R	1,401.79
3483	TALDO1 Transaldolase	IPI00744692	37,523.70	193	204	ILDWHVANTDKK	R	S	1,439.76
3484	RCC1 regulator of chromosome condensation 1 isoform a	IPI00001661,IPI00747309,IPI00787306	48,126.30	193	207	SMVPVQVQLDVPVVK	K	V	1,653.92
3485	DTD1 D-tyrosyl-tRNA(Tyr) deacylase 1	IPI00152692	23,405.60	194	209	SASSGAEGDVSSEREP	R	-	1,564.67
3486	CCT4 T-complex protein 1 subunit delta	IPI00302927,IPI00873222	57,907.90	194	206	VIDPATATSVDLR	K	D	1,357.73
3487	PRPF18 Isoform 1 of Pre-mRNA-splicing factor 18	IPI00021146,IPI00644341	39,843.60	194	201	FLLGVWAK	K	E	933.5557
3488	ST13 Hsc70-interacting protein	IPI00032826	41,314.40	194	222	LLGHWEEAAHDLALACKLDY DEDASAMLK	R	E	3,285.56
3489	RARS Isoform Complexed of Arginyl-tRNA synthetase, cytoplasmic	IPI00004860	75,364.00	194	205	VIVDFSSPNIAC	K	E	1,289.71
3490	SERPINB6 Putative uncharacterized protein DKFZp686I04222	IPI00413451,IPI00749398	46,353.40	194	203	LVLVNAVYFR	R	G	1,193.70
3491	SERPINB6 Putative uncharacterized protein DKFZp686I04222	IPI00413451,IPI00749398	46,353.40	194	203	LVLVNAVYFR	R	G	1,193.70
3492	ACTN4 Alpha-actinin-4	IPI00013808	104,839.20	194	204	DGLAFNALIHR	K	H	1,226.66
3493	NDFIP2 NEDD4 family-interacting protein 2	IPI00385038,IPI00910797,IPI00911105	36,372.50	194	207	AAAMAAAAAETSQR	K	I	1,335.63
3494	ST13 Hsc70-interacting protein	IPI00032826	41,314.40	194	210	LLGHWEEAAHDLALACK	R	L	1,933.96

3495	ACOT7 Isoform 1 of Cytosolic acyl coenzyme A thioester hydrolase	IPI00010415,IPI00219451,IPI00219452,IPI00395748	41,777.00	194	201	YEAQKLER	R	M	1,036.54
3496	PSMA7 Isoform 1 of Proteasome subunit alpha type-7	IPI00024175	27,869.10	194	204	ALLEVVQSGGK	K	N	1,100.63
3497	PSMA1 Isoform Short of Proteasome subunit alpha type-1	IPI00016832,IPI00472442	29,538.00	194	208	ALRETLPAEQDLTTK	R	N	1,685.91
3498	MSN Moesin	IPI00219365,IPI00872814	67,803.80	194	209	IAQDLEMYGVNYFSIK	K	N	1,906.93
3499	CDC123 Cell division cycle protein 123 homolog	IPI00005670	39,118.10	194	204	DYTQYYDHISK	R	Q	1,432.64
3500	PFKP 6-phosphofructokinase type C	IPI00009790	85,579.40	194	210	IIEVVDAIMTTAQSHQR	R	T	1,927.99
3501	NOSIP Nitric oxide synthase-interacting protein	IPI00006408	33,154.00	194	211	MSDLTPVHFTPLDSSVDR	R	V	2,016.97
3502	ATP5A1 ATP synthase subunit alpha, mitochondrial	IPI00440493	59,734.10	195	204	AVDSLVPIGR	K	G	1,026.59
3503	KHDRBS1 Isoform 1 of KH domain-containing, RNA-binding, signal transduction-associated protein 1	IPI00008575,IPI00385834,IPI00479209	48,210.20	195	200	ISVLGK	K	G	616.4029
3504	STUB1 Isoform 1 of STIP1 homology and U box-containing protein 1	IPI00025156	34,839.00	195	203	AQQACIEAK	R	H	1,018.50
3505	WDR61 WD repeat-containing protein 61	IPI00019269	33,562.80	195	215	SLTFSPDSQLLVASDDGYIK	R	I	2,257.12
3506	RDH11 Isoform 1 of Retinol dehydrogenase 11	IPI00339384	35,368.50	195	206	FYNAGLAYCHSK	K	L	1,430.65
3507	PSMD11 Proteasome 26S non-ATPase subunit 11 variant (Fragment)	IPI00105598	47,519.40	195	205	TTANAIYCPPK	R	L	1,235.61
3508	RCC2 Protein RCC2	IPI00465044	56,066.80	195	211	LIEGLSHEVIVSAACGR	R	N	1,810.95
3509	KIFC1 Kinesin-like protein KIFC1	IPI00306400	73,730.10	195	207	VQAQAEQGQQLK	K	N	1,456.74
3510	NUDC Nuclear migration protein nudC	IPI00550746	38,225.70	195	204	GKDMVVDIQR	K	R	1,176.60
3511	DAZAP1 Isoform 1 of DAZ-associated protein 1	IPI00165230,IPI00335930	43,365.00	195	209	SQAPGQPGASQWGSR	K	V	1,513.71
3512	RBMX Heterogeneous nuclear ribonucleoprotein G	IPI00304692	42,315.70	196	203	REPLPSRR	R	D	1,010.59
3513	RBMX Heterogeneous nuclear ribonucleoprotein G	IPI00304692	42,315.70	196	203	REPLPSRR	R	D	1,010.59
3514	DDX5 Probable ATP-dependent RNA helicase DDX5	IPI00017617	69,131.70	196	207	LKSTCIYGGAPK	R	G	1,294.68
3515	HNRNPR heterogeneous nuclear ribonucleoprotein R isoform 1	IPI00644055	71,197.20	196	206	LMMDPLSGQNR	R	G	1,293.59
3516	TCEAL4 Isoform 2 of Transcription elongation factor A protein-like 4	IPI00647163,IPI00657999,IPI00829838	40,560.50	196	205	TGDEEMLKDK	K	G	1,181.54
3517	FBL rRNA 2'-O-methyltransferase fibrillarin	IPI00025039	33,766.10	196	205	SGRDILNLAKE	R	K	1,086.63
3518	DNAJB1 DnaJ homolog subfamily B member 1	IPI00015947	38,027.60	196	209	SIRNEDKILTIEVK	K	K	1,657.95
3519	GRB2 Isoform 1 of Growth factor receptor-bound protein 2	IPI00021327	25,188.80	196	207	GACHGQTGMFPR	K	N	1,318.58
3520	OCIAD1 Isoform 1 of OCIA domain-containing protein 1	IPI00016405	27,608.80	196	203	NITYEELR	K	N	1,037.53
3521	PRMT1 HMT1 hnRNP methyltransferase-like 2 isoform 1	IPI00018522,IPI00215734,IPI00382516,IPI00909470,IPI00914913	42,444.20	196	206	ATLYVTAIEDR	R	Q	1,251.66
3522	KIAA0841 Isoform 1 of Uncharacterized protein KIAA0841	IPI00014220,IPI00440233	71,665.00	196	208	AQFLQNLLLPAK	R	R	1,483.86
3523	TXNL1 Thioredoxin-like protein 1	IPI00305692,IPI00642032	32,233.40	196	202	IFINLPR	K	S	872.5353
3524	C21orf70 Isoform A of Uncharacterized protein C21orf70	IPI00027898,IPI00217294	25,438.70	197	207	FQELLASPAYR	R	A	1,294.68
3525	HNRNPA1 Isoform A1-B of Heterogeneous nuclear ribonucleoprotein A1	IPI00215965,IPI00465365	38,828.10	197	206	SGSGNFGGGR	R	G	895.4017
3526	ILF2 Interleukin enhancer-binding factor 2	IPI00005198,IPI00872107	43,044.70	197	206	VLQSALAAIR	K	H	1,041.64
3527	FAM98B Protein FAM98B	IPI00167572,IPI00760837	37,174.50	197	209	MDLNSEQAEQLER	K	I	1,578.71
3528	SAE1 SUMO-activating enzyme subunit 1	IPI00033130,IPI00640965,IPI00647006	38,432.10	197	208	AKLDSSETTMVK	R	K	1,325.66
3529	SEH1L Isoform A of Nucleoporin SEH1-like	IPI00185533,IPI00220609	39,630.00	197	207	VQIFEYENRTR	K	K	1,412.68
3530	RPL7A 60S ribosomal protein L7a	IPI00299573	29,978.30	197	217	KTCTTVAFTQVNSEDKGALAK	R	L	2,269.15
3531	CHMP2A Charged multivesicular body protein 2a	IPI00004416	25,087.00	197	217	KAEAAASALADADADLEERLK	K	N	2,158.10
3532	PSMA5 Proteasome subunit alpha type-5	IPI00291922	26,393.30	197	203	SSLILK	K	Q	773.5132
3533	PSMA5 Proteasome subunit alpha type-5	IPI00291922	26,393.30	197	203	SSLILK	K	Q	773.5132

3534	PRDX3 Thioredoxin-dependent peroxide reductase, mitochondrial	IPI00024919,IPI00374151	27,674.70	197	207	HLSVNDLPVGR	K	S	1,206.66
3535	CACYBP Isoform 1 of Calcyclin-binding protein	IPI00395627	26,192.30	197	208	KIYEDGDDDMKR	K	T	1,500.66
3536	NPEPPS Puromycin-sensitive aminopeptidase	IPI00026216	103,261.10	198	208	ATFDISLVVPK	K	D	1,189.68
3537	HNRPDL Isoform 1 of Heterogeneous nuclear ribonucleoprotein D-like	IPI00011274,IPI00045498,IPI00845282	46,420.60	198	209	DAASVDKVLELK	K	E	1,287.72
3538	IGF2BP2 insulin-like growth factor 2 mRNA binding protein 2 isoform a	IPI00179713,IPI00180983,IPI00743914	66,104.40	198	211	ILVPTQFVGAIGK	R	E	1,455.89
3539	VDAC3 Isoform 1 of Voltage-dependent anion-selective channel protein 3	IPI00031804,IPI00294779	30,641.90	198	218	VNEKIETSINLAWTAGSNTR	K	F	2,318.17
3540	CCT6A T-complex protein 1 subunit zeta	IPI00027626,IPI00552590	58,007.30	198	208	HKSETDTSLIR	K	G	1,286.67
3541	GDI2 cDNA FLJ60299, highly similar to Rab GDP dissociation inhibitor beta	IPI00031461	51,138.50	198	212	TDDYLDQPCYETINR	R	I	1,902.82
3542	GDI2 cDNA FLJ60299, highly similar to Rab GDP dissociation inhibitor beta	IPI00031461	51,138.50	198	212	TDDYLDQPCYETINR	R	I	1,902.82
3543	BZW1 Isoform 2 of Basic leucine zipper and W2 domain-containing protein 1	IPI00180128,IPI00785096,IPI00916112,IPI00916503,IPI00918019	40,522.00	198	207	DINAVAASLR	K	K	1,029.57
3544	CHMP2A Charged multivesicular body protein 2a	IPI00004416	25,087.00	198	215	AEEAASALADADADLEER	K	L	1,788.82
3545	GNB1 Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1	IPI00026268	37,359.50	198	209	LFVSGACDASAK	R	L	1,225.59
3546	GSTM3 Glutathione S-transferase Mu 3	IPI00246975	26,543.10	198	209	IAAYLQSDQFCK	K	M	1,443.69
3547	UBAC2 Isoform 2 of Ubiquitin-associated domain-containing protein 2	IPI00007034,IPI00168284,IPI00829996	34,858.90	198	208	IGMGATLDIQR	R	Q	1,190.62
3548	CACYBP Isoform 1 of Calcyclin-binding protein	IPI00395627	26,192.30	198	208	IYEDGDDDMKR	K	T	1,372.57
3549	HSD17B11 Estradiol 17-beta-dehydrogenase 11	IPI00329598	32,946.80	198	212	TLTDELAALQITGVK	K	T	1,572.88
3550	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	198	212	VVLAYEPVWAIGTGK	K	T	1,602.89
3551	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	198	212	VVLAYEPVWAIGTGK	K	T	1,602.89
3552	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	198	212	VVLAYEPVWAIGTGK	K	T	1,602.89
3553	BASP1 Brain acid soluble protein 1	IPI00299024	22,675.30	199	227	AQGPAAASAEKPKVEAPAA SDQTVTVKE	K	-	2,892.42
3554	ARD1A N-terminal acetyltransferase complex ARD1 subunit homolog A	IPI00013184	26,441.00	199	235	GLAAEDSGGDSKDLSEVSET TESTDVKDSSEASDSAS	K	-	3,663.56
3555	PAFAH1B3 Platelet-activating factor acetylhydrolase IB subunit gamma	IPI00014808	25,715.60	199	206	LGYPVCR	R	A	965.4874
3556	ARL8B cDNA FLJ56285, highly similar to ADP-ribosylation factor-like protein 8B	IPI00018871	27,235.70	199	207	MNLSAIQDR	K	E	1,047.53
3557	CBR1 Carbonyl reductase [NADPH] 1	IPI00295386	30,356.80	199	206	IGVTVLSR	K	I	844.5251
3558	RPL13 60S ribosomal protein L13	IPI00465361	24,244.20	199	209	AKEAAEQDVEK	R	K	1,217.60
3559	SAE1 SUMO-activating enzyme subunit 1	IPI00033130,IPI00640965,IPI00647006	38,432.10	199	208	LDSETTMVK	K	K	1,126.53
3560	EIF3I Eukaryotic translation initiation factor 3 subunit I	IPI00012795	36,484.00	199	213	DMTMFVTASKDNTAK	R	L	1,691.76
3561	PAF1 Isoform 1 of RNA polymerase II-associated factor 1 homolog	IPI00300333	59,958.00	199	212	VTPVEVMPVFPDFK	R	M	1,620.83
3562	HNRNPA2B1 43 kDa protein	IPI00874030	43,234.30	199	208	IDTIEITDR	K	Q	1,188.65
3563	HSPA5 HSPA5 protein	IPI00003362	72,405.60	199	214	IINEPTAAAIYGLDK	R	R	1,659.90
3564	RNASEH2A Ribonuclease H2 subunit A	IPI00290192	33,377.00	199	215	LQDLTDYGGSGYPNDPK	K	T	1,897.85
3565	CDIPT Isoform 1 of CDP-diacylglycerol-3-phosphatidyltransferase	IPI00645518,IPI00647250,IPI00902843,IPI00910287	23,522.30	200	209	NMAALDAADR	R	A	1,063.48
3566	IGF2BP3 Isoform 1 of Insulin-like growth factor 2 mRNA-binding protein 3	IPI00658000	63,702.90	200	213	LLVPTQFVGAIGK	R	E	1,455.89
3567	IGF2BP1 Insulin-like growth factor 2 mRNA-binding protein 1	IPI00008557	63,438.30	200	213	LLVPTQYVGAIGK	R	E	1,471.89
3568	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	200	221	YGKDATNVGDEGGFAPNILEN K	K	E	2,309.10
3569	AURKB Serine/threonine-protein kinase 12	IPI00176642,IPI00796914	39,263.50	200	211	DIKPENLLLGLK	R	G	1,352.82
3570	ADD1 Isoform 1 of Alpha-adducin	IPI00019901,IPI00220158,IPI00376220	80,937.90	200	209	INLQGDIVDR	K	G	1,142.62
3571	PRDX6 Peroxiredoxin-6	IPI00220301	25,018.10	200	204	KLFPK	K	G	632.4131
3572	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IPI00290770,IPI00553185	60,446.30	200	215	VEKIPGGIIEDSCVLR	R	G	1,784.96

3573	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IPI00290770,IPI00553185	60,446.30	200	215	VEKIPGGIIEDSCVLR	R	G	1,784.96
3574	AURKB Serine/threonine-protein kinase 12	IPI00176642,IPI00796914	39,263.50	200	215	DIKPENLLLGLKGELK	R	I	1,780.06
3575	CDK2 Cell division protein kinase 2	IPI00031681	33,912.70	200	214	RALFPGDSEIDQLFR	R	I	1,763.91
3576	SF3A3 Splicing factor 3A subunit 3	IPI00029764	58,833.30	200	212	VKPLQDQNELFGK	R	I	1,515.82
3577	CCT7 T-complex protein 1 subunit eta	IPI00018465	59,349.80	200	217	VQGGALEDSQLVAGVAFK	K	K	1,788.95
3578	MOBK1B Isoform 1 of Mps one binder kinase activator-like 1B	IPI00301518	25,062.60	200	210	ELAPLQELIEK	R	L	1,282.73
3579	GATAD2B Transcriptional repressor p66-beta	IPI00103554	65,243.70	200	224	TPVVQNAASIVQSPAHVGQ	K	L	2,513.35
3580	PYCR2 Pyrroline-5-carboxylate reductase 2	IPI00470610,IPI00747534	33,619.80	200	215	QGLSK			
3581	WDR73 Putative uncharacterized protein WDR73	IPI00180704,IPI00873040	42,574.10	200	206	RLAIQLGAQALLGAAK	R	M	1,593.98
3582	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	200	228	LGLVDTR	R	Q	773.4517
3583	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	200	228	YGKDATNVGDEGGFAPNILEN	K	T	3,091.56
3584	PGK1 Phosphoglycerate kinase 1	IPI00169383	44,597.30	200	216	KEGLELLK			
3585	PITPNB Isoform 1 of Phosphatidylinositol transfer protein beta isoform	IPI00334907	31,522.30	200	208	YGKDATNVGDEGGFAPNILEN	K	T	3,091.56
3586	GAPDH Glyceraldehyde-3-phosphate dehydrogenase	IPI00219018	36,035.30	201	215	KEGLELLK			
3587	HDAC1 Histone deacetylase 1	IPI00013774,IPI00289601	55,086.10	201	212	ALESPERPFLAILGGAK	K	V	1,769.00
3588	HNRNPA3 Isoform 1 of Heterogeneous nuclear ribonucleoprotein A3	IPI00419373	39,577.10	201	214	FKWWGLQSK	K	V	1,179.63
3589	PRDX4 Peroxiredoxin-4	IPI00011937,IPI00639945	30,523.10	201	208	GALQNIIPASTGAAK	R	A	1,411.79
3590	FEN1 Flap endonuclease 1	IPI00026215	42,576.20	201	211	GLFIIDDK	R	G	920.509
3591	PCBP1 Poly(rC)-binding protein 1	IPI00016610	37,480.20	201	237	KLPIQEFHLSR	K	I	1,367.78
3592	RPL7 60S ribosomal protein L7	IPI00030179,IPI00472171,IPI00871827	29,209.70	201	212	CSDAAGYPHATHDLEGPPLD	R	L	3,945.87
3593	ACTR2 Actin-related protein 2	IPI00005159	44,743.70	201	214	AYSIQGQHTISPLDLAK	R	L	1,540.79
3594	PRDX4 Peroxiredoxin-4	IPI00011937,IPI00639945	30,523.10	201	212	FKEANNFLWPFK	R	L	1,540.79
3595	TIMM23 Mitochondrial import inner membrane translocase subunit Tim23	IPI00007309	21,926.20	202	209	GYAFNHSADFETVR	R	M	1,613.73
3596	SNRNP70 Isoform 2 of U1 small nuclear ribonucleoprotein 70 kDa	IPI00219483,IPI00290204	50,601.30	202	209	GLFIIDDKGILR	R	Q	1,359.80
3597	PFKL Isoform 1 of 6-phosphofructokinase, liver type	IPI00332371,IPI00902982	85,001.20	202	210	GSLQQSL	K	-	845.4728
3598	FSCN1 Fascin	IPI00163187,IPI00747810	54,512.30	202	217	GGADVNIIR	R	H	801.4214
3599	HNRNPM Isoform 1 of Heterogeneous nuclear ribonucleoprotein M	IPI00171903,IPI00383296	77,499.30	202	214	TFVLEVMGR	R	H	1,051.56
3600	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	203	221	LVARPEPATGYTLEFR	R	S	1,819.97
3601	EIF4A1 Eukaryotic initiation factor 4A-I	IPI00025491,IPI00871852	46,137.30	203	226	LGSTVFVANLDYK	R	V	1,426.76
3602	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IPI00290770,IPI00553185	60,446.30	203	215	DATNVGDEGGFAPNILENK	K	E	1,960.92
3603	APEX1 DNA-(apurinic or apyrimidinic site) lyase	IPI00215911	35,537.70	203	224	LNSNTQVVLLSATMPSDVLEV	K	F	2,603.40
3604	BUB3 Mitotic checkpoint protein BUB3	IPI00013468,IPI00514701,IPI00644108	37,136.70	203	216	TKK			
3605	BUB3 Mitotic checkpoint protein BUB3	IPI00013468,IPI00514701,IPI00644108	37,136.70	203	216	IPGGIIEDSCVLR	K	G	1,428.75
3606	BUB3 Mitotic checkpoint protein BUB3	IPI00013468,IPI00514701,IPI00644108	37,136.70	203	217	KPLVLCGDLNVAHEEIDLRNP	R	G	2,530.35
3607	HAGH hydroxyacyl glutathione hydrolase isoform 1	IPI00003933,IPI00745553	33,787.50	203	210	K			
3608	NOP56 Nucleolar protein 5A	IPI00411937	66,034.00	203	212	VAVEYLDPSPEVQK	R	K	1,573.81
3609	APEX1 DNA-(apurinic or apyrimidinic site) lyase	IPI00215911	35,537.70	203	221	VAVEYLDPSPEVQK	R	K	1,573.81
3610	ATP6V1A V-type proton ATPase catalytic subunit A	IPI00007682	68,287.40	203	212	VAVEYLDPSPEVQKK	R	K	1,701.91
3611	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	203	228	ALLEVLGR	K	L	870.5408
3612	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	203	228	IINDNATYCR	K	L	1,239.58
						KPLVLCGDLNVAHEEIDLR	R	N	2,191.15
						FTMVQVWPVR	K	Q	1,262.67
						DATNVGDEGGFAPNILENKEG	K	T	2,743.38
						LELLK			
						DATNVGDEGGFAPNILENKEG	K	T	2,743.38
						LELLK			

3613	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	203	228	DATNVGDEGGFAPNILENKEG K LELLK	T	2,743.38
3614	RACGAP1 Rac GTPase-activating protein 1	IPI00152946	71,009.80	203	218	SIGSAVDQGNESIVAK	R	1,574.80
3615	RPL10 60S ribosomal protein L10	IPI00554723,IPI00646899,IPI00853161	24,586.60	204	210	GPLDKWR	R	871.4786
3616	RNPS1 Isoform 1 of RNA-binding protein with serine-rich domain 1	IPI00033561,IPI00479871,IPI00783594	34,191.60	204	218	GYAYVEFENPDEAEK	K	1,760.77
3617	TSN Translin	IPI00018768,IPI00917623	26,165.40	204	215	KVEEVVYDLSIR	K	1,449.79
3618	DTWD2 DTW domain-containing protein 2	IPI00168209	33,398.60	204	213	TSISSQYVIR	K	1,153.62
3619	TCP1 T-complex protein 1 subunit alpha	IPI00290566	60,327.20	204	227	SQMESMLISGYALNCVVGSQ GMPK	R	2,619.19
3620	MDH2 Malate dehydrogenase, mitochondrial	IPI00291006	35,485.70	204	215	TIIP LISQCTPK	K	1,370.77
3621	PSMB1 Proteasome subunit beta type-1	IPI00025019	26,472.50	205	213	DVFISAAER	K	1,007.52
3622	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	205	219	HSQFIGYPITLYLEK	K	1,808.96
3623	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	205	221	HSQFIGYPITLYLEKER	K	2,094.10
3624	DNAJC7 DnaJ homolog subfamily C member 7	IPI00329629	56,424.90	205	216	MDSTNADALYVR	R	1,355.63
3625	BCAP31 B-cell receptor-associated protein 31	IPI00218200,IPI00642984	27,974.60	205	213	AENQVLAMR	K	1,031.53
3626	BCAP31 B-cell receptor-associated protein 31	IPI00218200,IPI00642984	27,974.60	205	213	AENQVLAMR	K	1,031.53
3627	ACTN4 Alpha-actinin-4	IPI00013808	104,839.20	205	216	HRPELIEYDKLR	R	1,568.85
3628	GNB2L1 38 kDa protein	IPI00641950,IPI00848226	37,740.10	205	212	VWNLANCK	K	1,004.50
3629	YBX1 Nuclease-sensitive element-binding protein 1	IPI00031812,IPI00643351	35,905.70	205	234	RPQYSNPPVQGEVMEGADN QGAGEQGRPVR	R	3,223.53
3630	PSMA7 Isoform 1 of Proteasome subunit alpha type-7	IPI00024175	27,869.10	205	212	NIELAVMR	K	961.5136
3631	PSMD7 26S proteasome non-ATPase regulatory subunit 7	IPI00019927	37,007.50	205	209	LLDIR	K	629.3982
3632	PRPS1 Ribose-phosphate pyrophosphokinase 1	IPI00219616,IPI00917169	34,816.70	205	214	MVLVGDKVDR	R	1,131.62
3633	ATP2A2 Isoform SERCA2A of Sarcoplasmic/endoplasmic reticulum calcium ATPase 2	IPI00177817,IPI00219078,IPI00747443	109,674.90	206	218	NMLFSGTNIAGK	K	1,339.67
3634	C14orf166 UPF0568 protein C14orf166	IPI00006980	28,051.30	206	213	LLHIEELR	R	1,022.60
3635	MDH1 Malate dehydrogenase, cytoplasmic	IPI00291005,IPI00915869	36,408.90	206	230	EVGVYEALKDDSWLKGEFVT TVQQR	K	2,897.47
3636	DNAJA1 DnaJ homolog subfamily A member 1	IPI00012535	44,850.60	206	214	KILEVHIDK	K	1,094.66
3637	SNRPA1 U2 small nuclear ribonucleoprotein A'	IPI00297477	28,399.10	206	219	NAIANASTLAEVER	K	1,458.75
3638	CTPS2 CTP synthase 2	IPI00645702	65,661.40	206	217	GLGLSPDLIVCR	R	1,299.71
3639	OCIAD1 Isoform 1 of OCIA domain-containing protein 1	IPI00016405	27,608.80	206	217	NRESYEVSLTQK	K	1,453.73
3640	KDELRL2 ER lumen protein retaining receptor 2	IPI00018248,IPI00028116	24,405.70	207	212	KLSLPA	K	628.4029
3641	CCDC124 Coiled-coil domain-containing protein 124	IPI00060627	25,817.70	207	215	SPDNPMNQR	R	1,074.46
3642	XRCC6 ATP-dependent DNA helicase 2 subunit 1	IPI00644712	69,828.40	207	218	KPGGFDISLFYR	K	1,399.74
3643	CKAP4 Isoform 1 of Cytoskeleton-associated protein 4	IPI00141318,IPI00604713	66,004.20	207	223	LQNEILKDLSDGIHVVK	K	1,921.08
3644	HNRNPR heterogeneous nuclear ribonucleoprotein R isoform 1	IPI00644055	71,197.20	207	216	GYAFITFCGK	R	1,163.56
3645	HNRNPR heterogeneous nuclear ribonucleoprotein R isoform 1	IPI00644055	71,197.20	207	216	GYAFITFCGK	R	1,163.56
3646	PKM2 Isoform M1 of Pyruvate kinase isozymes M1/M2	IPI00220644,IPI00479186	58,044.60	207	230	KGVNLPGAADVLPVSEKDIQ DLK	K	2,477.36
3647	HNRNPA1 Isoform A1-B of Heterogeneous nuclear ribonucleoprotein A1	IPI00215965,IPI00465365	38,828.10	207	218	GGGFGGNDNFGR	R	1,154.50
3648	PSMD10 26S proteasome non-ATPase regulatory subunit 10	IPI00003565,IPI00027699	24,410.20	207	213	TPLQVAK	K	756.4615
3649	KPNB1 Importin subunit beta-1	IPI00001639	97,153.30	207	215	ANFDKESER	K	1,095.51
3650	CDC2 Putative uncharacterized protein DKFZp686L20222	IPI00026689	34,762.10	207	221	KPLFHGDSEIDQLFR	K	1,801.92
3651	CDC2 Putative uncharacterized protein DKFZp686L20222	IPI00026689	34,762.10	207	221	KPLFHGDSEIDQLFR	K	1,801.92

3652	PAFAH1B3 Platelet-activating factor acetylhydrolase IB subunit gamma	IPI00014808	25,715.60	207	214	ALHSLLLR	R	L	922.5833
3653	GTF2E2 Transcription initiation factor IIE subunit beta	IPI00019981	33,027.00	207	218	SCQFSVDEEFQK	K	L	1,503.64
3654	RDH11 Isoform 1 of Retinol dehydrogenase 11	IPI00339384	35,368.50	207	218	LANILFTQELAR	K	R	1,388.79
3655	HNRNPK Isoform 1 of Heterogeneous nuclear ribonucleoprotein K	IPI00216049,IPI00216746,IPI00807545,IPI00910458	50,960.50	208	221	IILDLISESPIKGR	K	A	1,553.93
3656	HNRNPK Isoform 1 of Heterogeneous nuclear ribonucleoprotein K	IPI00216049,IPI00216746,IPI00807545,IPI00910458	50,960.50	208	221	IILDLISESPIKGR	K	A	1,553.93
3657	ARL8B cDNA FLJ56285, highly similar to ADP-ribosylation factor-like protein 8B	IPI00018871	27,235.70	208	217	EICCYSISCK	R	E	1,319.54
3658	CLINT1 Isoform 1 of Clathrin interactor 1	IPI00291930	68,242.50	208	218	IGSTIDDTISK	K	F	1,149.60
3659	RBMS1 Isoform 2 of RNA-binding motif, single-stranded-interacting protein 1	IPI00033611,IPI00102991,IPI00237654,IPI00477694	44,119.00	208	222	TPPGVSAPTEPLLCK	K	F	1,566.82
3660	MCM6 DNA replication licensing factor MCM6	IPI00031517	92,872.60	208	217	IQETQAEPLR	R	G	1,184.63
3661	FBL rRNA 2'-O-methyltransferase fibrillarin	IPI00025039	33,766.10	208	218	TNIIPVIEDAR	R	H	1,240.69
3662	UGDH UDP-glucose 6-dehydrogenase	IPI00031420	55,007.30	208	220	ILTTNTWSSELSK	K	L	1,479.77
3663	WDR82 WD repeat-containing protein 82	IPI00152695	35,062.40	208	219	LILISTNGSFIR	K	L	1,333.78
3664	ATIC Bifunctional purine biosynthesis protein PURH	IPI00289499	64,598.50	208	225	YGMNPHQTPAQLYTLQPK	R	L	2,103.03
3665	C21orf70 Isoform A of Uncharacterized protein C21orf70	IPI00027898,IPI00217294	25,438.70	208	220	ASPLVAIGQTLAR	R	Q	1,296.76
3666	NDFIP2 NEDD4 family-interacting protein 2	IPI00385038,IPI00910797,IPI00911105	36,372.50	208	226	IQEEECPPRDDFSDADQLR	R	V	2,320.02
3667	RCC1 regulator of chromosome condensation 1 isoform a	IPI00001661,IPI00747309,IPI00787306	48,126.30	208	237	VASGNDHLVMLTADGDLYTLG	K	V	3,147.48
3668	GNPDA1 Glucosamine-6-phosphate isomerase 1	IPI00009305	32,651.40	209	214	CFEQGQLGR	K	A	712.4028
3669	TFRC Transferrin receptor protein 1	IPI00022462	84,855.60	209	224	LVYLVENPGGYVAYSK	R	A	1,771.93
3670	ALDOC Fructose-bisphosphate aldolase C	IPI00418262	39,438.20	209	215	VLAAYYK	K	A	763.4712
3671	ALDOA Fructose-bisphosphate aldolase A	IPI00465439	39,402.60	209	215	VLAAYYK	K	A	763.4712
3672	RRM2 Ribonucleoside-diphosphate reductase M2 subunit	IPI00011118	51,076.50	209	219	FSQEVQITEAR	R	C	1,307.66
3673	ZC3H15 Similar to DRG family regulatory protein 1	IPI00000279	49,126.30	209	219	HALPPGFVLKK	R	D	1,206.74
3674	CLIC1 Chloride intracellular channel protein 1	IPI00010896	26,905.30	209	216	YLSNAYAR	R	E	957.4787
3675	CCT6A T-complex protein 1 subunit zeta	IPI00027626,IPI00552590	58,007.30	209	217	GLVLDHGAR	R	H	937.5215
3676	FAR1 Fatty acyl-CoA reductase 1	IPI00478838	59,340.20	209	221	ALAEYVVQQEGAK	K	L	1,405.73
3677	TCEA1 Isoform 1 of Transcription elongation factor A protein 1	IPI00333215	33,952.60	209	222	NVLCGNIPDLFAR	K	M	1,585.82
3678	CTTN Src substrate cortactin	IPI00029601	61,567.40	209	218	SAVGFEYQGK	K	T	1,085.53
3679	EIF2B1 Translation initiation factor eIF-2B subunit alpha	IPI00221300	33,695.20	210	220	IGTNQMAVCAK	K	A	1,208.58
3680	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	210	222	TLTIVDTGIGMTK	R	A	1,365.73
3681	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	210	222	TLTIVDTGIGMTK	R	A	1,365.73
3682	BLVRA Biliverdin reductase A	IPI00294158	33,411.00	210	219	KSPLSWIEEK	K	G	1,216.66
3683	TIAL1 TIA-1 related protein isoform 2	IPI00644708	43,429.80	210	220	FEDVVNQSSPK	R	N	1,249.61
3684	PSMB6 Proteasome subunit beta type-6	IPI00000811,IPI00789119	25,339.90	210	220	LAAIAESGVER	R	Q	1,115.61
3685	FAM98B Protein FAM98B	IPI00167572,IPI00760837	37,174.50	210	221	INDALSCEYEER	R	R	1,529.64
3686	DDX17 DEAD box polypeptide 17 isoform 1	IPI00023785,IPI00651653	80,256.00	210	221	DMVGIAQTGSGK	R	T	1,179.57
3687	C14orf149 Probable proline racemase	IPI00386591	38,149.60	211	224	DLVDAASAVTEAVK	R	A	1,388.73
3688	NPM1 Isoform 2 of Nucleophosmin	IPI00220740,IPI00549248	29,446.90	211	219	GPSSVEDIK	K	A	931.4732
3689	ADRM1 Proteasomal ubiquitin receptor ADRM1	IPI00033030,IPI00470921	42,136.20	211	226	SQSAAVTPSSTTSSTR	R	A	1,567.76
3690	PCNA Proliferating cell nuclear antigen	IPI00021700	28,751.30	211	217	YLNFFTK	R	A	932.4876
3691	ST13 Hsc70-interacting protein	IPI00032826	41,314.40	211	222	LDYDEDASAMLK	K	E	1,370.61
3692	PFKP 6-phosphofructokinase type C	IPI00009790	85,579.40	211	219	TFVLEVMSGR	R	H	1,051.56
3693	KIAA1715 Isoform 1 of Protein lunapark	IPI00028369,IPI00784901,IPI00785171	47,722.90	211	223	TVTPALSSNVLPRL	R	H	1,354.77
3694	NPM1 Isoform 2 of Nucleophosmin	IPI00220740,IPI00549248	29,446.90	211	221	GPSSVEDIKAK	K	M	1,130.61

3695	PPP6C Serine/threonine-protein phosphatase 6 catalytic subunit	IPI00012970,IPI00890743,IPI00890827	35,126.80	211	219	GAGWLFQAK	R	V	906.4833
3696	COMT Isoform Membrane-bound of Catechol O-methyltransferase	IPI00011284,IPI00375513	30,019.60	212	234	KGTVLLADNVICPGAPDFLAH	R	G	2,463.32
3697	SFPQ Isoform Long of Splicing factor, proline- and glutamine-rich	IPI00010740	76,131.50	212	236	MPGGPKPGGGPGLSTPGGH	K	G	2,386.22
3698	EMD Emerin	IPI00032003	28,976.90	212	221	PKPPHR	R	Q	941.4801
3699	EIF4G2 cDNA FLJ59571, highly similar to Eukaryotic translation initiation factor 4gamma 2	IPI00015952	110,247.70	212	231	APGAGLGQDR	R	Q	2,011.94
3700	NOSIP Nitric oxide synthase-interacting protein	IPI00006408	33,154.00	212	217	LAEDAPNFDGFAAEGQPQK	R	S	658.4247
3701	TXNL1 Thioredoxin-like protein 1	IPI00305692,IPI00642032	32,233.40	212	234	VGLITR	R	Y	2,568.30
3702	DIS3 Isoform 2 of Exosome complex exonuclease RRP44	IPI00183462,IPI00746351	105,025.50	213	222	SEPTQALELTEDDIKEDGIVPL	R	A	1,129.56
3703	CDC7 Cell division cycle 7-related protein kinase	IPI00448121	63,871.70	213	222	R	K	C	1,221.59
3704	YWHAQ 14-3-3 protein theta	IPI00018146	27,747.40	213	222	FVQSEAQKER	K	D	1,205.66
3705	YWHAZ 14-3-3 protein zeta/delta	IPI00021263	27,727.90	213	222	DSTLIMQLLR	K	D	1,205.66
3706	YWHAB Isoform Short of 14-3-3 protein beta/alpha	IPI00759832	27,832.80	213	222	DSTLIMQLLR	K	D	1,205.66
3707	GNL2 Nucleolar GTP-binding protein 2	IPI00015808	83,638.00	213	227	VIDSSDVVVQVLDAR	K	D	1,614.87
3708	CD2BP2 CD2 antigen cytoplasmic tail-binding protein 2	IPI00006103	37,629.20	213	222	GNLGVYQETR	R	E	1,136.57
3709	ABCE1 ATP-binding cassette sub-family E member 1	IPI00303207	67,298.40	213	224	NVEDLSGGELQR	R	F	1,316.64
3710	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	213	225	TATPQQAQEVHEK	K	L	1,466.72
3711	SLC2A1 Solute carrier family 2, facilitated glucose transporter member 1	IPI00220194,IPI00872375,IPI00909237	54,067.30	213	218	FLLINR	R	N	775.4825
3712	ATP1A1 Isoform Long of Sodium/potassium-transporting ATPase subunit alpha-1	IPI00006482,IPI00646182	112,881.50	213	227	VDNSSLTGESEPQTR	K	S	1,619.75
3713	ATP6V1A V-type proton ATPase catalytic subunit A	IPI00007682	68,287.40	213	232	QVRPVTEKLPANHPLLTGQR	R	V	2,254.28
3714	UCHL1 Ubiquitin carboxyl-terminal hydrolase isozyme L1	IPI00018352	24,806.30	214	221	FSAVALCK	R	A	895.4706
3715	DFFA Isoform DFF45 of DNA fragmentation factor subunit alpha (Fragment)	IPI00010882	36,504.50	214	229	AAFGEVDAVDTGISR	K	E	1,636.78
3716	HNRNPA2B1 43 kDa protein	IPI00874030	43,234.30	214	229	RGFGFVTFDDHDPVVK	K	I	1,851.87
3717	- cDNA FLJ52712, highly similar to Tubulin beta-6 chain	IPI00908469	46,683.90	214	223	FPGQLNADLR	R	K	1,130.60
3718	- cDNA FLJ52712, highly similar to Tubulin beta-6 chain	IPI00908469	46,683.90	214	224	FPGQLNADLRK	R	L	1,258.69
3719	PEX11B Peroxisomal membrane protein 11B	IPI00021978	28,414.50	214	224	NACDLFIPLDK	R	L	1,305.65
3720	PSMD10 26S proteasome non-ATPase regulatory subunit 10	IPI00003565,IPI00027699	24,410.20	214	222	GGLGLILKR	K	M	926.6148
3721	PSMD10 26S proteasome non-ATPase regulatory subunit 10	IPI00003565,IPI00027699	24,410.20	214	221	GGLGLILK	K	R	770.5137
3722	SF3A2 SF3A2 protein (Fragment)	IPI00017341	51,457.10	214	231	MEKPPAPPSLPAGPPGVK	K	R	1,769.96
3723	PABPC1 Isoform 1 of Polyadenylate-binding protein 1	IPI00008524	70,653.30	214	221	FGPALSVK	K	V	818.4771
3724	PAFAH1B3 Platelet-activating factor acetylhydrolase IB subunit gamma	IPI00014808	25,715.60	215	231	LLAQDQGGGAPLLEPAP	R	-	1,717.91
3725	GNB2L1 38 kDa protein	IPI00641950,IPI00848226	37,740.10	215	241	TNHIGHTGYLNTVTVSPDGSL	K	D	2,743.31
3726	RPS3 40S ribosomal protein S3	IPI00011253	26,670.50	215	227	CASGGK	K	G	1,470.77
3727	HNRNPU heterogeneous nuclear ribonucleoprotein U isoform a	IPI00644079	90,567.20	215	238	DEILPTTPISEQK	K	G	2,153.07
3728	AHCY Adenosylhomocysteinase	IPI00012007	47,699.10	215	226	KAEGGGGGRRPGAPAAGDG	K	G	1,134.62
3729	HNRNPA2B1 43 kDa protein	IPI00874030	43,234.30	215	229	KTEQK	K	I	1,695.77
3730	BZW1 Isoform 2 of Basic leucine zipper and W2 domain-containing protein 1	IPI00180128,IPI00785096,IPI00916112,IPI00916503,IPI00918019	40,522.00	215	223	VAVVAGYGDVVK	R	Q	1,062.57
3731	ATG3 Isoform 1 of Autophagy-related protein 3	IPI00022254	35,846.20	215	224	GFGFVTFDDHDPVVK	R	Q	1,326.65
3732	HNRNPA2B1 43 kDa protein	IPI00874030	43,234.30	215	234	LMELFPANK	R	Y	2,277.16
3733	TSN Translin	IPI00018768,IPI00917623	26,165.40	216	228	LWLFYDEQR	R	-	1,424.68

3734	YWHAE 14-3-3 protein epsilon	IPI00000816	29,157.00	216	225	DSTLIMQLLR	K	D	1,205.66
3735	NP cDNA FLJ25678 fis, clone TST04067, highly similar to PURINE NUCLEOSIDE PHOSPHORYLASE	IPI00017672,IPI00871140	32,533.50	216	233	LGADAVGMSTVPEVIVAR	K	H	1,784.96
3736	DDX42 Isoform 1 of ATP-dependent RNA helicase DDX42	IPI00409671,IPI00829889	102,958.90	216	236	NFYNEHEEITNLTPQQLIDLR	K	H	2,587.28
3737	MDH2 Malate dehydrogenase, mitochondrial	IPI00291006	35,485.70	216	229	VDFPQDQLTALTGR	K	I	1,560.80
3738	TUBA1A Tubulin alpha-1A chain	IPI00180675	50,117.70	216	229	NLDIERPTYTNLNR	R	L	1,718.88
3739	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IPI00290770,IPI00553185	60,446.30	216	227	GVMINKDVTHPR	R	M	1,382.72
3740	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IPI00290770,IPI00553185	60,446.30	216	227	GVMINKDVTHPR	R	M	1,366.73
3741	PDCD6IP PDCD6IP protein	IPI00246058	96,802.50	216	229	LANQAADYFGDAFK	K	Q	1,530.72
3742	BZW2 Basic leucine zipper and W2 domain-containing protein 2	IPI00022305,IPI00894416	48,146.00	216	224	LLELFPVNR	R	Q	1,100.65
3743	CNP Isoform CNPI of 2',3'-cyclic-nucleotide 3'-phosphodiesterase	IPI00220993,IPI00306667	45,082.30	216	224	MDLVTYFGK	K	R	1,073.53
3744	CAPZB Isoform 2 of F-actin-capping protein subunit beta	IPI00642256	30,611.70	216	225	LVEDMENKIR	R	S	1,246.65
3745	RFC5 Replication factor C subunit 5	IPI00031514,IPI00373883	38,480.40	216	229	ALNILQSTNMAFGK	R	V	1,523.79
3746	YEATS4 YEATS domain-containing protein 4	IPI00008536	26,482.30	217	227	KLEEDDQAKDI	R	-	1,303.64
3747	SEC23A Protein transport protein Sec23A	IPI00017375	86,144.60	217	228	GPQVQQPPPSNR	R	F	1,304.67
3748	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	217	241	LTTPTYGDLNHLVSATMSGVT	K	F	2,708.34
3749	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	217	241	TCLR LTTPTYGDLNHLVSATMSGVT	K	F	2,708.34
3750	TUBB Tubulin beta chain	IPI00011654	49,652.60	217	241	TCLR LTTPTYGDLNHLVSATMSGVT	K	F	2,708.34
3751	TUBB Tubulin beta chain	IPI00011654	49,652.60	217	241	TCLR LTTPTYGDLNHLVSATMSGVT	K	F	2,708.34
3752	TUBB2A Tubulin beta-2A chain	IPI00013475,IPI00031370	49,889.10	217	241	TCLR LTTPTYGDLNHLVSATMSGVT	K	F	2,708.34
3753	TUBB2A Tubulin beta-2A chain	IPI00013475,IPI00031370	49,889.10	217	241	TCLR LTTPTYGDLNHLVSATMSGVT	K	F	2,708.34
3754	MBD3 Isoform 1 of Methyl-CpG-binding domain protein 3	IPI00439194,IPI00439195	32,826.30	217	226	TCLR AFMVTDEDIR	K	K	1,212.56
3755	DDX5 Probable ATP-dependent RNA helicase DDX5	IPI00017617	69,131.70	217	227	GVEICATPGR	R	L	1,172.61
3756	EIF2S2 Eukaryotic translation initiation factor 2 subunit 2	IPI00021728	38,371.70	217	227	TSFVNFTDICK	K	L	1,331.63
3757	RBM15 Isoform 1 of Putative RNA-binding protein 15	IPI00102752,IPI00220716,IPI00220717	107,175.00	217	223	VAFVNFR	R	R	852.4725
3758	PSMD3 26S proteasome non-ATPase regulatory subunit 3	IPI00011603	60,961.60	217	228	VYEFDKLDVVR	R	S	1,495.82
3759	RNH1 Ribonuclease inhibitor	IPI00550069	49,956.40	218	226	DLCGIVASK	R	A	962.4977
3760	YWHAH 14-3-3 protein eta	IPI00216319	28,201.60	218	227	DSTLIMQLLR	K	D	1,205.66
3761	YWHAG 14-3-3 protein gamma	IPI00220642	28,285.10	218	227	DSTLIMQLLR	K	D	1,205.66
3762	PCNA Proliferating cell nuclear antigen	IPI00021700	28,751.30	218	240	ATPLSSTVTLSMSADVPLVVE	K	I	2,424.26
3763	TAF9B;LOC728198 Transcription initiation factor TFIID subunit 9B	IPI00642105	27,604.50	218	240	YK NILITTNMVSSQNTANEANPLK	K	K	2,545.30
3764	CDK5 Cell division protein kinase 5	IPI00023530	33,287.80	218	232	LLGTPTEEQWPSMTK	R	L	1,733.84
3765	RPA2 Isoform 1 of Replication protein A 32 kDa subunit	IPI00013939,IPI00646500,IPI00647667	29,228.70	218	231	ACPRPEGLNFQDLK	K	N	1,644.82
3766	RBM39 Isoform 1 of RNA-binding protein 39	IPI00163505,IPI00215801	59,363.40	218	232	VLGVPIIVQASQAEK	R	N	1,551.91
3767	ATP2A2 Isoform SERCA2A of Sarcoplasmic/endoplasmic reticulum calcium ATPase 2	IPI00177817,IPI00219078,IPI00747443	109,674.90	219	234	AMGVVATGVNTEIGK	K	I	1,561.83
3768	CCT7 T-complex protein 1 subunit eta	IPI00018465	59,349.80	219	230	TFSYAGFEMQPK	K	K	1,405.65
3769	C14orf166 UPF0568 protein C14orf166	IPI00006980	28,051.30	219	238	INEAIVAVQAIADPKTDHR	K	L	2,174.19

3770	EEF1A1 Elongation factor 1-alpha 1	IPI00396485	50,123.20	219	247	KDGNASGTTLLEALDCILPPT RPTDKPLR	R	L	3,149.66
3771	PTBP1 Isoform 1 of Polypyrimidine tract-binding protein 1	IPI00179964,IPI00183626,IPI00334175	57,204.50	219	238	NNQFQALLQYADPVSAQHAK	K	L	2,243.12
3772	PITPNB Isoform 1 of Phosphatidylinositol transfer protein beta isoform	IPI00334907	31,522.30	219	226	RIFTNFHR	K	Q	1,090.59
3773	HNRNPF Heterogeneous nuclear ribonucleoprotein F	IPI00003881	45,653.80	219	224	YIGIVK	R	Q	692.4342
3774	DDX3X ATP-dependent RNA helicase DDX3X	IPI00215637	73,227.70	219	230	DLMACAQTGSGK	R	T	1,254.55
3775	C14orf166 UPF0568 protein C14orf166	IPI00006980	28,051.30	219	234	INEAIVAVQAIADPK	K	T	1,664.96
3776	VDAC3 Isoform 1 of Voltage-dependent anion-selective channel protein 3	IPI00031804,IPI00294779	30,641.90	219	224	FGIAAK	R	Y	606.361
3777	VDAC1 Voltage-dependent anion-selective channel protein 1	IPI00216308	30,755.90	219	224	FGIAAK	R	Y	606.361
3778	TSN Translin	IPI00018768,IPI00917623	26,165.40	220	228	ETAAACVEK	K	-	978.4561
3779	UBXN1 Isoform 1 of UBX domain-containing protein 1	IPI00027378,IPI00396563	33,307.40	220	231	LPDGTSLTQTFR	R	A	1,335.69
3780	ACTR2 Actin-related protein 2	IPI00005159	44,743.70	220	232	LCYVGYNIEQEYK	K	L	1,643.77
3781	EEF1D Elongation factor 1-delta	IPI00023048	31,103.90	220	232	SIQLDGLVWGASK	R	L	1,373.74
3782	GAPDH Glyceraldehyde-3-phosphate dehydrogenase	IPI00219018	36,035.30	220	227	VIPELNGK	K	L	869.5092
3783	PPP6C Serine/threonine-protein phosphatase 6 catalytic subunit	IPI00012970,IPI00890743,IPI00890827	35,126.80	220	231	VTNEFVHINNLK	K	L	1,427.76
3784	WDR36 WD repeat-containing protein 36	IPI00169325	105,307.90	220	235	ILLGSEQSLQLWNVK	K	S	1,784.99
3785	HSDL2 Isoform 2 of Hydroxysteroid dehydrogenase-like protein 2	IPI00031107,IPI00414384	45,378.60	220	236	KVDIADAAYSIFQKPK	R	S	1,907.06
3786	QKI Isoform 3 of Protein quaking	IPI00736672,IPI00759828	36,908.70	220	234	IITGPAVLPPAALR	R	T	1,485.92
3787	SEC13 Protein SEC13 homolog	IPI00375370,IPI00479141,IPI00789169,IPI00789755,IPI00853598	35,838.00	220	242	DVAWAPSIGLPTSTIASCSQD GR	R	V	2,389.15
3788	RPA1 Replication protein A 70 kDa DNA-binding subunit	IPI00020127	68,121.00	221	234	LFSLLEVDSEGEIR	K	A	1,606.83
3789	EIF2B1 Translation initiation factor eIF-2B subunit alpha	IPI00221300	33,695.20	221	234	AQNKPFYVVAESFK	K	F	1,627.85
3790	MDH1 Malate dehydrogenase, cytoplasmic	IPI00291005,IPI00915869	36,408.90	221	230	GEFVTTVQQR	K	G	1,164.60
3791	CDK6 Cell division protein kinase 6	IPI00023529	36,920.80	221	230	GSSDQVQLGK	R	I	1,005.48
3792	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	221	236	ATAGDTHLGGEDFDNR	K	L	1,675.73
3793	ACSL3 Long-chain-fatty-acid--CoA ligase 3	IPI000031397	80,405.10	221	230	LKDIVSLVPR	K	L	1,139.71
3794	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	70,881.80	221	236	STAGDTHLGGEDFDNR	K	M	1,691.73
3795	CBR1 Carbonyl reductase [NADPH] 1	IPI00295386	30,356.80	221	232	ILLNACCPGWVR	K	T	1,458.73
3796	EHD1 EH domain-containing protein 1	IPI00017184	60,611.10	221	231	ADQIETQQLMR	K	V	1,348.65
3797	ATP6V1A V-type proton ATPase catalytic subunit A	IPI00007682	68,287.40	221	232	LPANHPLLTGQR	K	V	1,316.74
3798	NUDT21 Cleavage and polyadenylation specificity factor subunit 5	IPI00646917	26,210.10	222	227	FNFIYN	R	-	817.3878
3799	SNRPA1 U2 small nuclear ribonucleoprotein A'	IPI00297477	28,399.10	222	232	GLLQSGQIPGR	K	E	1,125.64
3800	RPS4X 40S ribosomal protein S4, X isoform	IPI00217030	29,581.30	222	230	LSNIFVIGK	R	G	990.5983
3801	NPM1 Isoform 2 of Nucleophosmin	IPI00220740,IPI00549248	29,446.90	222	228	MQASIEK	K	G	822.4027
3802	GEMIN4 Component of gems 4	IPI00027717	119,975.10	222	229	GLTQIQSR	R	I	902.5055
3803	HSPA4 Heat shock 70 kDa protein 4	IPI00002966	94,313.90	222	234	VLATAFDTTLGGR	K	K	1,321.71
3804	HSPA4L Heat shock 70 kDa protein 4L	IPI00295485,IPI00828021	94,470.40	222	234	VLATTFDPYLGGR	K	N	1,409.74
3805	HSPH1 Isoform Beta of Heat shock protein 105 kDa	IPI00218993,IPI00513743	92,099.00	222	234	VLGTAFDPPFLGGK	K	N	1,321.72
3806	GOLIM4 Golgi integral membrane protein 4	IPI00004962	81,859.50	222	235	SALAAAQTQVAEYK	K	Q	1,450.75
3807	RNPS1 Isoform 1 of RNA-binding protein with serine-rich domain 1	IPI00033561,IPI00479871,IPI00783594	34,191.60	222	248	HMDGGQIDGQEITATAVLAPW PRPPPR	K	R	2,926.46
3808	RFC4 Replication factor C subunit 4	IPI00017381,IPI00792595	39,664.50	222	232	ISDEGIAYLVK	K	V	1,207.66
3809	NPM1 Isoform 2 of Nucleophosmin	IPI00220740,IPI00549248	29,446.90	222	234	MQASIEKGGSLPK	K	V	1,361.71

3810	AKR7A2 Aflatoxin B1 aldehyde reductase member 2	IPI00305978	39,571.00	222	236	FYAYNPLAGLLTGK	R	Y	1,584.84
3811	YWHAQ 14-3-3 protein theta	IPI00018146	27,747.40	223	245	DNLTWTSDSAGEECDAAEG	R	-	2,454.98
3812	YWHAZ 14-3-3 protein zeta/delta	IPI00021263	27,727.90	223	245	AEN DNLTWTSDTQGDEAEAGEG	R	-	2,409.00
3813	YWHAB Isoform Short of 14-3-3 protein beta/alpha	IPI00759832	27,832.80	223	244	GEN DNLTWTSENQGDGEDAGEG	R	-	2,350.95
3814	HNRNPH3 Isoform 1 of Heterogeneous nuclear ribonucleoprotein H3	IPI00013877,IPI00216492	36,909.60	223	232	VHIDIGADGR	R	A	1,052.55
3815	VIM Vimentin	IPI00418471	53,634.60	223	236	KVESLQEEIAFLKK	R	L	1,661.95
3816	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	223	234	ADLINNLGTIAK	K	S	1,242.71
3817	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	223	234	ADLINNLGTIAK	K	S	1,242.71
3818	TARS Threonyl-tRNA synthetase, cytoplasmic	IPI00329633,IPI00908949	83,419.80	223	231	KETLLAMFK	K	Y	1,080.61
3819	RBM14;RBM4 Isoform 1 of RNA-binding protein 14	IPI00013174	69,474.30	224	238	ASYVAPLTAQPATYR	R	A	1,608.84
3820	TOP1 DNA topoisomerase 1	IPI00413611	90,711.70	224	239	GPVFAPPYEPLPENVK	K	F	1,753.92
3821	NOL7 Isoform 1 of Nucleolar protein 7	IPI00007729	29,408.90	224	237	AAVQFLNNAWGIQK	R	K	1,559.83
3822	ACAT2 Acetyl-CoA acetyltransferase, cytosolic	IPI00291419	41,332.40	224	233	HGSNIEAMSK	R	L	1,073.50
3823	- cDNA FLJ52712, highly similar to Tubulin beta-6 chain	IPI00908469	46,683.90	224	234	KLAVNMVPPFR	R	L	1,271.73
3824	NARG1 Isoform 1 of NMDA receptor-regulated protein 1	IPI00386189	101,259.90	224	239	LAVEETKGELLLQLCR	K	L	1,872.03
3825	RARS Isoform Complexed of Arginyl-tRNA synthetase, cytoplasmic	IPI00004860	75,364.00	224	234	LFEFAGYDVLRL	R	L	1,329.68
3826	RPL7 60S ribosomal protein L7	IPI00030179,IPI00472171,IPI00871827	29,209.70	224	242	TTFVVEGGDAGNREDQINR	K	L	2,115.98
3827	HAX1 cDNA FLJ53021, highly similar to HS1-associating protein X-1	IPI00010440,IPI00641973	32,443.00	224	234	ITKPDGIVEER	K	R	1,256.68
3828	MGMT O-6-methylguanine-DNA methyltransferase	IPI00028618	25,031.90	225	238	GAGATSGSPPAGRNL	K	-	1,199.58
3829	FASN Fatty acid synthase	IPI00026781	273,382.00	225	235	SEGVVAVLLTK	R	K	1,115.67
3830	FASN Fatty acid synthase	IPI00026781	273,382.00	225	235	SEGVVAVLLTK	R	K	1,115.67
3831	- cDNA FLJ52712, highly similar to Tubulin beta-6 chain	IPI00908469	46,683.90	225	234	LAVNMVPPFR	K	L	1,159.63
3832	PHB2 Prohibitin-2	IPI00027252	33,279.60	225	236	IVQAEGEAEAAK	K	M	1,215.62
3833	CDC2 Putative uncharacterized protein DKFZp686L20222	IPI00026689	34,762.10	225	244	ALGTPNNEVWPEVESLQDYK	R	N	2,289.10
3834	MED25 Isoform 4 of Mediator of RNA polymerase II transcription subunit 25	IPI00163419,IPI00418271,IPI00479592,IPI00744110,IPI00867552,IPI00867722,IPI00873857	84,370.90	225	242	GLVLPVGGGSAPGLQSK	R	Q	1,633.93
3835	ILF3 Isoform 1 of Interleukin enhancer-binding factor 3	IPI00298788	95,320.90	225	231	SCVIVIR	K	V	846.4866
3836	VDAC1 Voltage-dependent anion-selective channel protein 1	IPI00216308	30,755.90	225	236	YQIDPDACFSAK	K	V	1,414.63
3837	CDC2 Putative uncharacterized protein DKFZp686L20222	IPI00026689	34,762.10	225	249	ALGTPNNEVWPEVESLQDYK	R	W	2,876.41
3838	YWHAE 14-3-3 protein epsilon	IPI00000816	29,157.00	226	255	DNLTWTSMDMQGDGEEQNK	R	-	3,451.47
3839	CAPZB Isoform 2 of F-actin-capping protein subunit beta	IPI00642256	30,611.70	226	235	EALQDVEDENQ STLNEIYFGK	R	T	1,171.60
3840	UBA1 Ubiquitin-like modifier-activating enzyme 1	IPI00645078	117,832.30	227	239	DNPGVVTCLDEAR	K	H	1,445.67
3841	RP6-213H19.1 Serine/threonine-protein kinase MST4	IPI00292827,IPI00760722,IPI00844141,IPI00872588,IPI00911046	46,512.40	227	233	VLFLIPK	R	N	829.5547
3842	RPN1 Dolichyl-diphosphooligosaccharide--protein glycosyltransferase 67 kDa subunit precursor	IPI00025874	72,762.00	227	232	LGNPTR	K	S	657.3679
3843	NUP43 cDNA FLJ38675 fis, clone IMR322000243, highly similar to Nucleoporin Nup43	IPI00171664,IPI00742943	48,466.40	227	243	TIDNADSSTLHAVTFLR	R	T	1,860.95
3844	EIF2S1 Eukaryotic translation initiation factor 2 subunit 1	IPI00219678	36,094.70	227	234	INLIAPPR	K	Y	893.5568
3845	VPS35 Vacuolar protein sorting-associated protein 35	IPI00018931	91,692.00	227	237	LSQLEGVNVER	R	Y	1,243.66

3846	YWHAG 14-3-3 protein gamma	IP100220642	28,285.10	228	247	DNLTLTWSDQQDDGGEGN N	R	-	2,193.88
3847	RPS2 40S ribosomal protein S2	IP100013485,IP100888294,IP100888474	31,307.20	228	238	GCTATLGNFAK	R	A	1,139.55
3848	RPS3A 40S ribosomal protein S3a	IP100419880,IP100472119	29,927.30	228	240	LMELHGGEGSSSGK	K	A	1,347.62
3849	CAMK2D Isoform Delta 6 of Calcium/calmodulin-dependent protein kinase type II delta chain	IP100172636,IP100430291,IP100827573,IP100827625,IP100876923	54,111.10	228	246	AGAYDFPSPEWDTVTPPEAK	K	D	2,080.95
3850	STXBP1 Isoform 2 of Syntaxin-binding protein 1	IP100046057,IP100084828	68,720.90	228	235	SQLLILDR	R	G	957.5729
3851	EIF3I Eukaryotic translation initiation factor 3 subunit I	IP100012795	36,484.00	228	261	TERPVNSAALSPNYDHVVLG GGQEAMDVTTTSTR	R	I	3,589.72
3852	GAPDH Glyceraldehyde-3-phosphate dehydrogenase	IP100219018	36,035.30	228	248	LTGMAFRVPTANVSVDLTCR	K	L	2,307.19
3853	CAMK2G Isoform 4 of Calcium/calmodulin-dependent protein kinase type II gamma chain	IP100172450,IP100172452,IP100296678,IP100334344,IP100336118,IP100556423,IP100646849,IP100908444,IP100915309,IP100915327,IP100915383,IP100915393	59,589.60	228	246	AGAYDFPSPEWDTVTPPEAK	K	N	2,080.95
3854	KPNA2;LOC728860 Importin subunit alpha-2	IP100002214,IP100789457	57,844.50	228	238	NLTWTLNLPCR	R	N	1,377.69
3855	ATP1A1 Isoform Long of Sodium/potassium-transporting ATPase subunit alpha-1	IP100006482,IP100646182	112,881.50	228	240	SPDFTNENPLETR	R	N	1,519.70
3856	BLVRA Biliverdin reductase A	IP100294158	33,411.00	228	234	YLSFHFK	R	S	941.4879
3857	DDX5 Probable ATP-dependent RNA helicase DDX5	IP100017617	69,131.70	228	236	LIDFLECGK	R	T	1,094.56
3858	DDX5 Probable ATP-dependent RNA helicase DDX5	IP100017617	69,131.70	228	236	LIDFLECGK	R	T	1,094.56
3859	PSMA6 Proteasome subunit alpha type-6	IP100029623	27,381.50	229	246	ILTEAEIDAHLVALAERD	R	-	1,979.04
3860	DNAJC7 DnaJ homolog subfamily C member 7	IP100329629	56,424.90	229	238	AVQFFVQALR	K	M	1,178.67
3861	AOF2 Isoform 2 of Lysine-specific histone demethylase 1	IP100217540,IP100456631	95,137.70	229	234	VFLFIR	K	N	794.4923
3862	DDX24 ATP-dependent RNA helicase DDX24	IP100006987	96,316.70	229	243	DKLDILGAAETGSGK	R	T	1,474.78
3863	GNL3L Guanine nucleotide-binding protein-like 3-like protein	IP100005132,IP100871959	65,555.30	229	238	ACFGAENLMR	K	V	1,184.52
3864	TUBA1A Tubulin alpha-1A chain	IP100180675	50,117.70	230	243	LIGQIVSSITASLR	R	F	1,457.87
3865	TUBA1C Tubulin alpha-1C chain	IP100218343	49,877.40	230	243	LISQIVSSITASLR	R	F	1,487.88
3866	TUBA1B Tubulin alpha-1B chain	IP100387144,IP100792677	50,133.70	230	243	LISQIVSSITASLR	R	F	1,487.88
3867	TUBA1B Tubulin alpha-1B chain	IP100387144,IP100792677	50,133.70	230	243	LISQIVSSITASLR	R	F	1,487.88
3868	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IP100290770,IP100553185	60,446.30	230	236	RYIKNPR	R	I	946.5581
3869	STIP1 Stress-induced-phosphoprotein 1	IP100013894,IP100871856	62,624.10	230	237	ELGNDAYK	K	K	909.4313
3870	G3BP1 Ras GTPase-activating protein-binding protein 1	IP100012442	52,144.80	230	247	SSSPADIAQTVQEDLR	K	T	1,884.93
3871	GNL3 Isoform 2 of Guanine nucleotide-binding protein-like 3	IP100003886,IP100306380	60,527.60	231	241	LLGGFQETCSK	K	A	1,239.60
3872	TLL12 Tubulin--tyrosine ligase-like protein 12	IP100290448,IP100879002	74,385.70	231	240	DLDTGEEVTR	R	D	1,134.53
3873	KPNA1 Importin subunit alpha-1	IP100303292	60,232.00	231	241	NAVWALSNLPCR	R	G	1,303.66
3874	PRDX4 Peroxiredoxin-4	IP100011937,IP100639945	30,523.10	231	240	LVQAFQYTDK	R	H	1,212.63
3875	LTA4H Isoform 1 of Leukotriene A-4 hydrolase	IP100219077	69,269.10	231	243	SAYEFSETESMLK	K	I	1,537.67
3876	MMACHC Methylmalonic aciduria and homocystinuria type C protein	IP100001053	31,710.90	231	258	LALLGLAQSEKPSPPDLP FTTPAK	R	K	2,859.55
3877	TALDO1 Transaldolase	IP100744692	37,523.70	231	239	TIVMGASFR	K	N	997.5136
3878	UROD Uroporphyrinogen decarboxylase	IP100301489,IP100514944	40,769.20	232	238	FALPYIR	K	D	879.5087
3879	PSMB4 Proteasome subunit beta type-4	IP100555956	29,187.00	232	240	FQIATVTEK	R	G	1,036.57
3880	PABPC1 Isoform 1 of Polyadenylate-binding protein 1	IP100008524	70,653.30	232	240	GFGFVSFER	K	H	1,045.51
3881	TP11 Isoform 1 of Triosephosphate isomerase	IP100465028	30,772.80	232	243	SNVSDAVAQSTR	K	I	1,234.60
3882	TP11 Isoform 1 of Triosephosphate isomerase	IP100465028	30,772.80	232	243	SNVSDAVAQSTR	K	I	1,234.60
3883	TP11 Isoform 1 of Triosephosphate isomerase	IP100465028	30,772.80	232	243	SNVSDAVAQSTR	K	I	1,234.60
3884	EHD1 EH domain-containing protein 1	IP100017184	60,611.10	232	242	VYGALMWSLGK	R	I	1,224.64
3885	EIF4E2 Eukaryotic translation initiation factor 4E type 2	IP100744211,IP100915774	28,344.70	232	241	LLFQNLWKPR	R	L	1,314.77
3886	UROD Uroporphyrinogen decarboxylase	IP100301489,IP100514944	40,769.20	232	242	FALPYIRDVAK	K	Q	1,292.74

3887	FLOT1 Flotillin-1	IPI00027438	47,336.80	232	244	AQADLAYQLQVAK	R	T	1,418.76
3888	BCAP31 B-cell receptor-associated protein 31	IPI00218200,IPI00642984	27,974.60	233	246	LQAAVDGPMDDKKEE	K	-	1,546.74
3889	HNRNP3 Isoform 1 of Heterogeneous nuclear ribonucleoprotein H3	IPI00013877,IPI00216492	36,909.60	233	253	ATGEADVFEVTHEDAVAAMS K	R	D	2,194.00
3890	RPN1 Dolichyl-diphosphooligosaccharide--protein glycosyltransferase 67 kDa subunit precursor	IPI00025874	72,762.00	233	243	SEDLLLDYGPFR	R	D	1,311.62
3891	HNRNPAB Isoform 3 of Heterogeneous nuclear ribonucleoprotein A/B	IPI00334713	30,570.20	233	245	EVYQQQQYGSQGR	K	G	1,499.69
3892	HNRNPAB Isoform 3 of Heterogeneous nuclear ribonucleoprotein A/B	IPI00334713	30,570.20	233	245	EVYQQQQYGSQGR	K	G	1,499.69
3893	HNRNPM Isoform 1 of Heterogeneous nuclear ribonucleoprotein M	IPI00171903,IPI00383296	77,499.30	233	242	ADILEDKDGK	R	S	1,103.56
3894	SNRNP40 cDNA FLJ56825, highly similar to WD repeat protein 57	IPI00006723	44,498.40	233	260	GHADSVTGLSLSSEGSYLLS NAMDNTVR	R	V	2,897.36
3895	AGPAT1 1-acyl-sn-glycerol-3-phosphate acyltransferase alpha	IPI00019141,IPI00902608	31,699.10	233	253	VLPVPTEGLTPDDVPALADR	R	V	2,172.16
3896	CCT4 T-complex protein 1 subunit delta	IPI00302927,IPI00873222	57,907.90	233	240	VNSNGITR	K	V	833.4475
3897	SEH1L Isoform A of Nucleoporin SEH1-like	IPI00185533,IPI00220609	39,630.00	234	243	SFHILAIATK	R	D	1,100.65
3898	ELAVL1 cDNA FLJ60076, highly similar to ELAV-like protein 1	IPI00301936	38,979.00	234	244	FGGPPVHHQAQR	R	F	1,233.62
3899	PWP2 Periodic tryptophan protein 2 homolog	IPI00300078	102,436.00	234	258	ADLLQREEEEEEEEDQEGDR ETTIR	K	G	3,048.35
3900	GATAD2A Isoform 1 of Transcriptional repressor p66-alpha	IPI00410330,IPI00444526,IPI00478128	68,044.80	234	249	LGPQASSQVVMPLVR	K	G	1,694.93
3901	KPNA6 cDNA FLJ53229, highly similar to Importin alpha-7 subunit	IPI00747764	60,563.50	234	244	NAVWALSNLCR	R	G	1,303.66
3902	NT5C3 Isoform 3 of Cytosolic 5'-nucleotidase 3	IPI00100192,IPI00619911,IPI00647805,IPI00807412	32,672.60	234	246	MADGVANVEHILK	R	I	1,412.72
3903	ACAT2 Acetyl-CoA acetyltransferase, cytosolic	IPI00291419	41,332.40	234	265	LKPYFLTDGTGTVTPANASGI NDGAAAVVLMK	K	K	3,192.66
3904	ACAT2 Acetyl-CoA acetyltransferase, cytosolic	IPI00291419	41,332.40	234	265	LKPYFLTDGTGTVTPANASGI NDGAAAVVLMK	K	K	3,192.66
3905	PDE12 Isoform 1 of 2',5'-phosphodiesterase 12	IPI00174390,IPI00886797	67,333.70	234	245	VYTPSNADIGLR	R	L	1,305.68
3906	RPL8 60S ribosomal protein L8	IPI00012772	28,006.80	234	241	KVGLIAAR	R	R	827.5462
3907	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	234	253	AGYTDKVVIGMDVAASEFFR	K	S	2,192.07
3908	TCP1 T-complex protein 1 subunit alpha	IPI00290566	60,327.20	234	243	IACLDLFLSK	K	T	1,194.62
3909	MAT2A S-adenosylmethionine synthetase isoform type-2	IPI00010157	43,642.80	235	249	YLDEDTIYHLQPSGR	K	F	1,806.87
3910	RBM39 Isoform 1 of RNA-binding protein 39	IPI00163505,IPI00215801	59,363.40	235	244	AAAMANNLQK	R	G	1,047.53
3911	- cDNA FLJ52712, highly similar to Tubulin beta-6 chain	IPI00908469	46,683.90	235	248	LHFFMPGFAPLTSR	R	G	1,636.83
3912	KPNB1 Importin subunit beta-1	IPI00001639	97,153.30	235	243	VAALQNLVK	R	I	955.5935
3913	HSPA4 Heat shock 70 kDa protein 4	IPI00002966	94,313.90	235	250	KFDEVLVNHFCEEFQK	R	K	1,997.94
3914	H2AFY H2A histone family, member Y isoform 2	IPI00059366,IPI00304171,IPI00744148	39,472.70	235	248	KGGKEFVEAVLELR	K	K	1,574.89
3915	HNRNPA2B1 43 kDa protein	IPI00874030	43,234.30	235	246	YHTINGHNAEVR	K	K	1,410.69
3916	HNRNPA2B1 43 kDa protein	IPI00874030	43,234.30	235	246	YHTINGHNAEVR	K	K	1,410.69
3917	LCLAT1 Isoform 1 of Lysocardiolipin acyltransferase	IPI00419643,IPI00456786,IPI00910254	48,904.20	235	244	TTGFTFVVDNR	R	L	1,142.58
3918	GAPDH Glyceraldehyde-3-phosphate dehydrogenase	IPI00219018	36,035.30	235	248	VPTANVSVVDLTCR	R	L	1,530.79
3919	GAPDH Glyceraldehyde-3-phosphate dehydrogenase	IPI00219018	36,035.30	235	248	VPTANVSVVDLTCR	R	L	1,530.79
3920	GAPDH Glyceraldehyde-3-phosphate dehydrogenase	IPI00219018	36,035.30	235	248	VPTANVSVVDLTCR	R	L	1,530.79
3921	BLVRA Biliverdin reductase A	IPI00294158	33,411.00	235	248	SGSLEPNVNVGVNK	K	N	1,413.73
3922	RPL7A 60S ribosomal protein L7a	IPI00299573	29,978.30	235	245	RHWGGNVLGPK	R	S	1,220.66
3923	GNPDA1 Glucosamine-6-phosphate isomerase 1	IPI00009305	32,651.40	235	248	TVFVCDDEATLELK	R	V	1,639.79
3924	EHD4 EH domain-containing protein 4	IPI00005578	61,159.60	235	245	VYGALMWSLQK	R	V	1,224.64
3925	GAPDH Glyceraldehyde-3-phosphate dehydrogenase	IPI00219018	36,035.30	235	254	VPTANVSVVDLTCRLEKPAK	R	Y	2,197.20

3926	OCIAD1 Isoform 1 of OCIA domain-containing protein 1	IPI00016405	27,608.80	236	245	VNKYGDTWDE	K	-	1,226.53
3927	EEF2 Elongation factor 2	IPI00186290	95,322.10	236	249	FAAKGEGQLGPAER	K	A	1,430.74
3928	CAPNS1 Calpain small subunit 1	IPI00025084	28,298.60	236	241	LDAMFR	R	A	752.376
3929	YRDC YrdC domain-containing protein, mitochondrial	IPI00384180	29,310.30	236	248	LGSTVVDSLSPGK	R	F	1,271.72
3930	PSAT1 cDNA FLJ56437, highly similar to Phosphoserine aminotransferase	IPI00001734	45,338.10	236	245	FGVIFAGAQK	K	N	1,037.58
3931	PSAT1 cDNA FLJ56437, highly similar to Phosphoserine aminotransferase	IPI00001734	45,338.10	236	245	FGVIFAGAQK	K	N	1,037.58
3932	PRPS1 Ribose-phosphate pyrophosphokinase 1	IPI00219616,IPI00917169	34,816.70	236	243	LLSAGATR	K	V	788.4625
3933	PHGDH D-3-phosphoglycerate dehydrogenase	IPI00011200	56,632.60	237	247	GGIVDEGALLR	R	A	1,099.61
3934	HUS1 Checkpoint protein HUS1	IPI00004712	31,673.50	237	250	LLQFLAGQQVNPTK	K	A	1,556.88
3935	CCT7 T-complex protein 1 subunit eta	IPI00018465	59,349.80	237	250	IALLNVELELKAEK	K	D	1,582.94
3936	MBD3 Isoform 1 of Methyl-CpG-binding domain protein 3	IPI00439194,IPI00439195	32,826.30	237	256	KRLEEALMADMLAHVEELAR	R	D	2,357.20
3937	AOF2 Isoform 2 of Lysine-specific histone demethylase 1	IPI00217540,IPI00456631	95,137.70	237	246	TLQLWLDNPK	R	I	1,227.67
3938	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IPI00290770,IPI00553185	60,446.30	237	247	IVLLDSSLEYK	R	K	1,279.71
3939	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IPI00290770,IPI00553185	60,446.30	237	247	IVLLDSSLEYK	R	K	1,279.71
3940	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	237	247	LVNHFVEEFKR	R	K	1,417.76
3941	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	70,881.80	237	247	MVNHFIAEFKR	R	K	1,407.72
3942	VDAC1 Voltage-dependent anion-selective channel protein 1	IPI00216308	30,755.90	237	256	VNNSSLIGLYTQTLKPGIK	K	L	2,103.18
3943	PSMD4 Isoform Rpn10A of 26S proteasome non-ATPase regulatory subunit 4	IPI00022694	40,719.20	237	262	RAAAASAAEAGIATTGTEDSD	R	M	2,476.22
3944	EZR Ezrin	IPI00746388,IPI00843975,IPI00872684	69,265.40	237	245	DALLKIGFPWSEIR	K	N	1,104.58
3945	DHX9 ATP-dependent RNA helicase A	IPI00844578	140,943.50	237	248	LAQSCALSIVR	K	Q	1,288.70
3946	DHX9 ATP-dependent RNA helicase A	IPI00844578	140,943.50	237	248	LAQSCALSIVR	K	Q	1,288.70
3947	TRUB2 Probable tRNA pseudouridine synthase 2	IPI00024151	36,677.20	237	247	KLVHEIGLELK	R	T	1,278.78
3948	CCT7 T-complex protein 1 subunit eta	IPI00018465	59,349.80	237	256	IALLNVELELKAEKDNAEIR	K	V	2,281.28
3949	ANP32A Acidic leucine-rich nuclear phosphoprotein 32 family member A	IPI00025849	28,568.10	238	249	KREPEDEGEDDD	R	-	1,433.57
3950	ORC6L Origin recognition complex subunit 6	IPI00001641	28,089.90	238	248	KILENAASAQK	R	A	1,172.66
3951	UTP18 U3 small nucleolar RNA-associated protein 18 homolog	IPI00000733	64,046.80	238	250	TGNFISTSTSLPR	R	G	1,380.71
3952	RCC1 regulator of chromosome condensation 1 isoform a	IPI00001661,IPI00747309,IPI00787306	48,126.30	238	245	VPFLFANR	R	G	945.5152
3953	STIP1 Stress-induced-phosphoprotein 1	IPI00013894,IPI00871856	62,624.10	238	246	KKDFDTALK	K	H	1,065.59
3954	SLC25A5 ADP/ATP translocase 2	IPI00007188	32,878.50	238	244	MMMQSGR	R	K	856.3475
3955	SLC25A6 ADP/ATP translocase 3	IPI00291467	32,849.10	238	244	MMMQSGR	R	K	856.3475
3956	DDAH2 N(G),N(G)-dimethylarginine dimethylaminohydrolase 2	IPI00000760	29,626.30	238	251	GGGDLPSQEALQK	R	L	1,413.70
3957	TROVE2 Isoform Long of 60 kDa SS-A/Ro ribonucleoprotein	IPI00019450,IPI00642416,IPI00646322,IPI00646813	60,654.10	238	252	TRDELEVIHLEEHR	R	L	1,888.99
3958	RDX Radixin, isoform CRA_a	IPI00017367,IPI00903145	71,032.60	238	246	IGFPWSEIR	K	N	1,104.58
3959	MSN Moesin	IPI00219365,IPI00872814	67,803.80	238	246	IGFPWSEIR	K	N	1,104.58
3960	PCBP1 Poly(rC)-binding protein 1	IPI00016610	37,480.20	238	243	LNQVAR	K	Q	700.41
3961	PCBP1 Poly(rC)-binding protein 1	IPI00016610	37,480.20	238	243	LNQVAR	K	Q	700.41
3962	PSMC1 26S protease regulatory subunit 4	IPI00011126	49,168.40	238	249	AVANQTSATFLR	K	V	1,278.68
3963	ACTR1A Alpha-centractin	IPI00029468,IPI00908883	42,597.20	239	255	AQYYLPDGGSTIEIGPSR	K	F	1,866.92
3964	CCT8 T-complex protein 1 subunit theta	IPI00784090	59,603.00	239	254	IAYSCPFDMITETK	K	G	1,847.86
3965	PTBP1 Isoform 1 of Polypyrimidine tract-binding protein 1	IPI00179964,IPI00183626,IPI00334175	57,204.50	239	254	LSLDGQNIYNACCTLR	K	I	1,897.89

3966	DPYSL5 Dihydropyrimidinase-related protein 5	IPI00335509	61,402.90	239	261	THCPIYLVNVSSISAGDVIAAA K	R	M	2,386.24
3967	DNM1L Isoform 5 of Dynamin-1-like protein	IPI00037283,IPI00146935,IPI00235412,IPI00473085,IPI00555883,IPI00871742	79,093.20	239	247	LGIIGVVNR	K	S	940.5939
3968	DNM1L Isoform 5 of Dynamin-1-like protein	IPI00037283,IPI00146935,IPI00235412,IPI00473085,IPI00555883,IPI00871742	79,093.20	239	247	LGIIGVVNR	K	S	940.5939
3969	PAFAH1B1 Isoform 1 of Platelet-activating factor acetvlhdrolase IB subunit alpha	IPI00218728	46,619.40	239	259	MVRPNQDGTLIASCSNDQTV R	R	V	2,362.12
3970	NP cDNA FLJ25678 fis, clone TST04067, highly similar to PURINE NUCLEOSIDE PHOSPHORYLASE	IPI00017672,IPI00871140	32,533.50	239	248	VFGFSLITNK	R	V	1,125.63
3971	EEF2 Elongation factor 2	IPI00186290	95,322.10	240	249	GEGQLGPAER	K	A	1,013.50
3972	EEF2 Elongation factor 2	IPI00186290	95,322.10	240	249	GEGQLGPAER	K	A	1,013.50
3973	EEF2 Elongation factor 2	IPI00186290	95,322.10	240	249	GEGQLGPAER	K	A	1,013.50
3974	ACTN4 Alpha-actinin-4	IPI00013808	104,839.20	240	255	MLDAEDIVNTARPDEK	K	A	1,816.87
3975	UFD1L Isoform Short of Ubiquitin fusion degradation protein 1 homolog	IPI00218292,IPI00655754,IPI00873326	34,483.20	240	256	KGVEPSPSPIKPGDIKR	K	G	1,805.03
3976	NARG1 Isoform 1 of NMDA receptor-regulated protein 1	IPI00386189	101,259.90	240	248	LEDAADVYR	R	G	1,051.51
3977	RANGAP1 Ran GTPase-activating protein 1	IPI00294879	63,525.30	240	251	VINLNDNTFTEK	R	G	1,407.71
3978	STIP1 Stress-induced-phosphoprotein 1	IPI00013894,IPI00871856	62,624.10	240	246	DFDTALK	K	H	809.4041
3979	RNASEH2A Ribonuclease H2 subunit A	IPI00290192	33,377.00	240	267	TAQTILEKEAEDVIWEDSASE NQEGLRK	R	I	3,189.55
3980	PPP2CA Serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform	IPI00008380	35,576.50	240	254	AHQLVMEGYNWCHDR	R	N	1,931.83
3981	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	240	253	VVIGMDVAASEFFR	K	S	1,556.78
3982	RPS3A 40S ribosomal protein S3a	IPI00419880,IPI00472119	29,927.30	241	252	ATGDETGAKVER	K	A	1,233.61
3983	LMNA Isoform A of Lamin-A/C	IPI00021405	74,122.60	241	249	LADALQELR	R	A	1,028.57
3984	ATP1A1 Isoform Long of Sodium/potassium-transporting ATPase subunit alpha-1	IPI00006482,IPI00646182	112,881.50	241	255	NIAFFSTNCVEGTAR	R	G	1,686.79
3985	CDC48 Borealin	IPI00303099	31,306.40	241	248	LLASDLQR	R	H	915.5259
3986	TTL12 Tubulin--tyrosine ligase-like protein 12	IPI00029048,IPI00879002	74,385.70	241	252	DFAYGETDPLIR	R	K	1,396.67
3987	RELA Isoform 2 of Transcription factor p65	IPI00219084,IPI00386448,IPI00479470,IPI00883897	58,789.60	241	254	TPPYADPSLQAPVR	R	V	1,511.79
3988	PCNA Proliferating cell nuclear antigen	IPI00021700	28,751.30	241	248	IADMGHK	K	Y	900.461
3989	- Putative uncharacterized protein ENSP00000348237	IPI00453476,IPI00549725	28,832.80	242	251	AMEAVAAQ GK	K	A	991.4878
3990	MDH2 Malate dehydrogenase, mitochondrial	IPI00291006	35,485.70	242	257	AGAGSATLSMAYAGAR	K	F	1,454.71
3991	PCBP2 poly(rC) binding protein 2 isoform b	IPI00012066,IPI00790627	38,204.50	242	272	LHQLAMQQSHFPMTHGNTG FSGIESSSPEVK DGQAMLWDLNEGK	K	G	3,382.59
3992	GNB2L1 38 kDa protein	IPI00641950,IPI00848226	37,740.10	242	254	FPGQLNADLR	R	K	1,130.60
3993	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	242	251	FPGQLNADLR	R	K	1,130.60
3994	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	242	251	FPGQLNADLR	R	K	1,130.60
3995	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	242	251	FPGQLNADLR	R	K	1,130.60
3996	TUBB Tubulin beta chain	IPI00011654	49,652.60	242	251	FPGQLNADLR	R	K	1,130.60
3997	TUBB Tubulin beta chain	IPI00011654	49,652.60	242	251	FPGQLNADLR	R	K	1,130.60
3998	TUBB2A Tubulin beta-2A chain	IPI00013475,IPI00031370	49,889.10	242	251	FPGQLNADLR	R	K	1,130.60
3999	TUBB2A Tubulin beta-2A chain	IPI00013475,IPI00031370	49,889.10	242	251	FPGQLNADLR	R	K	1,130.60
4000	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	242	252	FPGQLNADLRK	R	L	1,258.69
4001	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	242	252	FPGQLNADLRK	R	L	1,258.69
4002	TUBB Tubulin beta chain	IPI00011654	49,652.60	242	252	FPGQLNADLRK	R	L	1,258.69
4003	TUBB Tubulin beta chain	IPI00011654	49,652.60	242	252	FPGQLNADLRK	R	L	1,258.69
4004	TUBB2A Tubulin beta-2A chain	IPI00013475,IPI00031370	49,889.10	242	252	FPGQLNADLRK	R	L	1,258.69
4005	TUBB2A Tubulin beta-2A chain	IPI00013475,IPI00031370	49,889.10	242	252	FPGQLNADLRK	R	L	1,258.69
4006	DDX5 Probable ATP-dependent RNA helicase DDX5	IPI00017617	69,131.70	242	252	TTYLVLDEADR	R	M	1,295.65
4007	HSD17B12 Estradiol 17-beta-dehydrogenase 12	IPI00007676	34,307.40	242	257	IRKPTLDKPSPEFVK	K	S	1,856.06
4008	C9orf64 UPPF0553 protein C9orf64	IPI00170972	39,011.70	242	253	LPQVLAHLGALK	R	Y	1,259.78

4009	PSMA1 Isoform Short of Proteasome subunit alpha type-1	IPI00016832,IPI00472442	29,538.00	243	263	KAQPAQPADEPAEKADPEME H	R	-	2,305.04
4010	NOP2 Putative uncharacterized protein NOL1	IPI00294891,IPI00654555,IPI00872909	93,966.90	243	251	IQDIVGILR	R	D	1,026.63
4011	EIF3G Eukaryotic translation initiation factor 3 subunit G	IPI00290460	35,593.90	243	251	VTNLSEDTR	R	E	1,034.51
4012	CKB Creatine kinase B-type	IPI00022977	42,627.10	243	252	GGNMKEVFTR	K	F	1,154.56
4013	SEC13 Protein SEC13 homolog	IPI00375370,IPI00479141,IPI00789169,IPI00789755,IPI00853598	35,838.00	243	259	VFIWTCDDASSNTWSPK	R	L	2,013.90
4014	IGF2BP1 Insulin-like growth factor 2 mRNA-binding protein 1	IPI00008557	63,438.30	243	258	AISVHSTPEGCSSACK	K	M	1,690.75
4015	IGF2BP3 Isoform 1 of Insulin-like growth factor 2 mRNA-binding protein 3	IPI00658000	63,702.90	243	258	SITILSTPEGTSAACK	K	S	1,635.83
4016	PSMA1 Isoform Short of Proteasome subunit alpha type-1	IPI00016832,IPI00472442	29,538.00	244	256	AQPAQPADEPAEK	K	A	1,351.65
4017	RRM1 Ribonucleoside-diphosphate reductase large subunit	IPI00013871	90,055.50	244	256	SAGGIGVAVSCIR	K	A	1,246.66
4018	PA2G4 Proliferation-associated protein 2G4	IPI00299000,IPI00794875	43,768.70	244	249	TTIYKR	R	D	781.4567
4019	TP11 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	244	256	IYGGSVTGATCK	R	E	1,326.67
4020	TP11 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	244	256	IYGGSVTGATCK	R	E	1,326.67
4021	TP11 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	244	256	IYGGSVTGATCK	R	E	1,326.67
4022	C12orf10 UPF0160 protein MYG1	IPI00029444,IPI00304163,IPI00796436,IPI00797519	42,428.00	244	253	ALVEEALQR	R	F	1,099.61
4023	AKR1B1 Aldose reductase	IPI00413641	35,835.90	244	251	TTAQVLR	K	F	901.5466
4024	TUBA1A Tubulin alpha-1A chain	IPI00180675	50,117.70	244	264	FDGALNVDLTFQTNLVYPR	R	I	2,409.21
4025	TUBA1C Tubulin alpha-1C chain	IPI00218343	49,877.40	244	264	FDGALNVDLTFQTNLVYPR	R	I	2,409.21
4026	TUBA1B Tubulin alpha-1B chain	IPI00387144,IPI00792677	50,133.70	244	264	FDGALNVDLTFQTNLVYPR	R	I	2,409.21
4027	PRPS1 Ribose-phosphate pyrophosphokinase 1	IPI00219616,IPI00917169	34,816.70	244	260	VYALTHGIFSGPAISR	R	I	1,802.00
4028	CCT4 T-complex protein 1 subunit delta	IPI00302927,IPI00873222	57,907.90	244	257	AKIGLIQFCLSAPK	K	T	1,545.88
4029	AKR1A1 Alcohol dehydrogenase [NADP+]	IPI00220271	36,555.60	244	251	SPAQILLR	R	W	897.5517
4030	TES Isoform 1 of Testin	IPI00024097,IPI00216425,IPI00873055	47,977.60	245	254	EGDPAIYAER	K	A	1,120.53
4031	SLC25A6 ADP/ATP translocase 3	IPI00291467	32,849.10	245	260	KGADIMYGTVDWCWRK	R	I	1,916.90
4032	SLC25A5 ADP/ATP translocase 2	IPI00007188	32,878.50	245	259	KGTDIMYGTLDWCWR	R	K	1,832.83
4033	FBL rRNA 2'-O-methyltransferase fibrillar	IPI00025039	33,766.10	245	255	IVALNAHTFLR	R	N	1,254.73
4034	- cDNA FLJ54408, highly similar to Heat shock 70 kDa protein 1	IPI00911039	63,907.90	245	256	ARFEELCSDLFR	R	S	1,542.74
4035	RBBP5 cDNA FLJ59722, highly similar to Retinoblastoma-binding protein 5	IPI00478230,IPI00645975	55,054.60	245	251	LQDLVNR	K	T	857.484
4036	GDI2 cDNA FLJ60299, highly similar to Rab GDP dissociation inhibitor beta	IPI00031461	51,138.50	245	268	LSAIYGGTYMLNKPIEIIVQN GK	R	V	2,667.41
4037	NUDCD3 NudC domain-containing protein 3	IPI00238209	40,803.60	246	259	INTESSLWSLEPGK	K	C	1,560.79
4038	RPS4X 40S ribosomal protein S4, X isoform	IPI00217030	29,581.30	246	252	LTIAEER	R	D	831.4571
4039	PREP Prolyl endopeptidase	IPI00008164	80,683.50	246	252	YVLLSIR	R	E	863.5349
4040	PPAT Amidophosphoribosyltransferase	IPI00029534	57,381.30	246	260	YYREVLPGEIVEISR	R	H	1,822.97
4041	SLC25A6 ADP/ATP translocase 3	IPI00291467	32,849.10	246	259	GADIMYGTVDWCWR	K	K	1,660.71
4042	SLC25A5 ADP/ATP translocase 2	IPI00007188	32,878.50	246	259	GTDIMYGTLDWCWR	K	K	1,704.74
4043	TALDO1 Transaldolase	IPI00744692	37,523.70	246	258	ALAGCDFLTISPK	K	L	1,392.72
4044	TNPO1 transportin 1 isoform 1	IPI00024364,IPI00843876	102,340.80	246	254	ALVMLLEVR	R	M	1,059.62
4045	TCP1 T-complex protein 1 subunit alpha	IPI00290566	60,327.20	246	264	MKLVGVQVVITDPEKLDQIR	K	Q	2,198.22
4046	CCT4 T-complex protein 1 subunit delta	IPI00302927,IPI00873222	57,907.90	246	257	IGLIQFCLSAPK	K	T	1,346.75
4047	PDIA4 Protein disulfide-isomerase A4	IPI00009904	72,916.00	247	256	FDVSGYPTLK	R	I	1,126.58
4048	PGK1 Phosphoglycerate kinase 1	IPI00169383	44,597.30	247	264	VLNMEIGTSLFDEEGAK	K	I	1,966.94
4049	BZW1 Isoform 2 of Basic leucine zipper and W2 domain-containing protein 1	IPI00180128,IPI00785096,IPI00916112,IPI00916503,IPI00918019	40,522.00	247	254	NQQTIGAR	R	K	887.4694
4050	PDLIM1 PDZ and LIM domain protein 1	IPI00010414	36,053.30	247	256	VAASIGNAQK	K	L	958.5316
4051	PPP1CA Serine/threonine-protein phosphatase PP1-alpha catalytic subunit	IPI00550451	37,495.90	247	261	AHQVVEDGYEFFAKR	R	Q	1,795.88

4052	- cDNA FLJ54408, highly similar to Heat shock 70 kDa protein 1	IPI00911039	63,907.90	247	256	FEELCSDLFR	R	S	1,315.60
4053	NANS Sialic acid synthase	IPI00147874	40,289.90	247	264	GSDHSASLEPGELAEIVR	K	S	1,866.92
4054	PHGDH D-3-phosphoglycerate dehydrogenase	IPI00011200	56,632.60	248	270	ALQSGQCAGAALDVFTEEPP RDR	R	A	2,488.19
4055	PLS3 plastin 3	IPI00216694	70,795.90	248	256	NEALAALLR	R	D	970.568
4056	CLINT1 Isoform 1 of Clathrin interactor 1	IPI00291930	68,242.50	248	260	GEFKDEEETVTTK	K	H	1,512.71
4057	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IPI00290770,IPI00553185	60,446.30	248	265	KGESQTDIEITREEDFTR	K	I	2,154.03
4058	EEF1A2 Elongation factor 1-alpha 2	IPI00014424	50,452.60	248	255	LPLQDVYK	R	I	975.5511
4059	EEF1A1 Elongation factor 1-alpha 1	IPI00396485	50,123.20	248	255	LPLQDVYK	R	I	975.5511
4060	EEF1A1 Elongation factor 1-alpha 1	IPI00396485	50,123.20	248	255	LPLQDVYK	R	I	975.5511
4061	G3BP1 Ras GTPase-activating protein-binding protein 1	IPI00012442	52,144.80	248	257	TFSWASVTSK	R	N	1,113.56
4062	TCP1 T-complex protein 1 subunit alpha	IPI00290566	60,327.20	248	264	LGVQVVITDPEKLDQIR	K	Q	1,923.09
4063	TCP1 T-complex protein 1 subunit alpha	IPI00290566	60,327.20	248	264	LGVQVVITDPEKLDQIR	K	Q	1,923.09
4064	HNRNPA2B1 43 kDa protein	IPI00874030	43,234.30	248	261	ALSRQEMQEVQSSR	K	S	1,664.80
4065	ILF3 Isoform 1 of Interleukin enhancer-binding factor 3	IPI00298788	95,320.90	248	257	GWPELLLCEK	R	S	1,244.63
4066	PCNA Proliferating cell nuclear antigen	IPI00021700	28,751.30	249	261	YYLAPKIEDEEGS	K	-	1,513.71
4067	DDRGK1 Isoform 1 of Uncharacterized protein C20orf116	IPI00028387	35,593.00	249	265	IQDLLAEGTITGVIDDR	R	G	1,828.97
4068	HNRNPL Heterogeneous nuclear ribonucleoprotein L	IPI00027834	64,114.80	249	264	ASLNGADIYSGCCTLK	K	I	1,729.79
4069	PAPSS1 Bifunctional 3'-phosphoadenosine 5'-phosphosulfate synthetase 1	IPI00011619	70,815.20	249	258	TDAETLPALK	K	I	1,058.57
4070	PCNA Proliferating cell nuclear antigen	IPI00021700	28,751.30	249	254	YYLAPK	K	I	754.4134
4071	PCNA Proliferating cell nuclear antigen	IPI00021700	28,751.30	249	254	YYLAPK	K	I	754.4134
4072	UHRF1 ubiquitin-like with PHD and ring finger domains 1 isoform 2	IPI00797279,IPI00797945	91,082.30	249	258	GFWYDAEISR	R	K	1,243.57
4073	NPM1 Isoform 2 of Nucleophosmin	IPI00220740,IPI00549248	29,446.90	249	262	MTDQEIQLDWQWR	R	K	1,819.84
4074	BLVRA Biliverdin reductase A	IPI00294158	33,411.00	249	261	NIFLKDQNFVQK	K	L	1,606.90
4075	GAPDH Glyceraldehyde-3-phosphate dehydrogenase	IPI00219018	36,035.30	249	260	LEKPAKYDDIKK	R	V	1,447.82
4076	YRDC YrdC domain-containing protein, mitochondrial	IPI00384180	29,310.30	249	268	FGIIRPGCALESTTAILQK	K	Y	2,203.19
4077	FARSB Phenylalanyl-tRNA synthetase beta chain	IPI00300074	66,114.60	250	262	NIFIECTGTDFTK	R	A	1,545.73
4078	AP3S1 AP-3 complex subunit sigma-1	IPI00014624	32,126.80	250	260	SEAGLAGAPAR	K	A	999.5218
4079	UROD Uroporphyrinogen decarboxylase	IPI00301489,IPI00514944	40,769.20	250	263	EAGLAPVPMIIFAK	R	D	1,472.82
4080	PRPSAP2 Phosphoribosyl pyrophosphate synthetase-associated protein 2	IPI00003168	40,908.60	250	263	EKPPIITVVGVDVGGRR	K	I	1,423.79
4081	MAT2A S-adenosylmethionine synthetase isoform type-2	IPI00010157	43,642.80	250	264	FVIGGPQGDAGLTGR	R	K	1,444.75
4082	PRKACA Isoform 2 of cAMP-dependent protein kinase catalytic subunit alpha	IPI00217960,IPI00396630	39,805.50	250	263	FPSHFSSDLKDLLR	R	N	1,661.86
4083	GART Isoform Long of Trifunctional purine biosynthetic protein adenosine-3	IPI00025273	107,750.40	250	257	IKDTVLR	K	T	972.5838
4084	ASCC1 Isoform 2 of Activating signal cointegrator 1 complex subunit 1	IPI00434390	41,210.40	250	256	LQELVDR	R	V	872.4837
4085	MTHFD1 C-1-tetrahydrofolate synthase, cytoplasmic	IPI00218342,IPI00794900	101,543.50	251	264	KVVGVDVAYDEAKER	R	A	1,578.81
4086	STIP1 Stress-induced-phosphoprotein 1	IPI00013894,IPI00871856	62,624.10	251	272	AKELDPTNMTYITNQAAYVFE K	K	G	2,547.24
4087	RRM2 Ribonucleoside-diphosphate reductase M2 subunit	IPI00011118	51,076.50	251	264	EFLFNAIETMPCVK	R	K	1,714.82
4088	AKR7A2 Aflatoxin B1 aldehyde reductase member 2	IPI00305978	39,571.00	251	261	FFGNSWAETYR	R	N	1,377.62
4089	PPP6C Serine/threonine-protein phosphatase 6 catalytic subunit	IPI00012970,IPI00890743,IPI00890827	35,126.80	252	264	LVTVWSAPNYCYR	K	C	1,628.79

4090	ATIC Bifunctional purine biosynthesis protein PURH	IPI00289499	64,598.50	252	266	ELKEALGIPAAASF	K	H	1,544.87
4091	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	252	262	KLAVNMVPPFR	R	L	1,287.72
4092	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	252	262	KLAVNMVPPFR	R	L	1,271.73
4093	TUBB Tubulin beta chain	IPI00011654	49,652.60	252	262	KLAVNMVPPFR	R	L	1,287.72
4094	TUBB Tubulin beta chain	IPI00011654	49,652.60	252	262	KLAVNMVPPFR	R	L	1,271.73
4095	TUBB2A Tubulin beta-2A chain	IPI00013475,IPI00031370	49,889.10	252	262	KLAVNMVPPFR	R	L	1,287.72
4096	TUBB2A Tubulin beta-2A chain	IPI00013475,IPI00031370	49,889.10	252	262	KLAVNMVPPFR	R	L	1,271.73
4097	- cDNA FLJ54554, highly similar to Pyruvate kinase isozymes M1/M2	IPI00910979	56,255.30	252	263	IISKIENHEGVR	K	R	1,394.78
4098	ATP1B3 Sodium/potassium-transporting ATPase subunit beta-3	IPI00008167	31,495.70	252	259	IDGSANLK	K	S	817.4415
4099	CSE1L Isoform 1 of Exportin-2	IPI00022744,IPI00219994	110,403.90	252	268	LLQTDDEEEAGLLELLK	K	S	1,929.01
4100	HNRNPA2B1 43 kDa protein	IPI00874030	43,234.30	252	261	QEMQEVQSSR	R	S	1,221.55
4101	HNRNPA2B1 43 kDa protein	IPI00874030	43,234.30	252	261	QEMQEVQSSR	R	S	1,221.55
4102	HNRNPA2B1 43 kDa protein	IPI00874030	43,234.30	252	261	QEMQEVQSSR	R	S	1,237.55
4103	HNRNPA2B1 43 kDa protein	IPI00874030	43,234.30	252	261	QEMQEVQSSR	R	S	1,237.55
4104	PYCR2 Pyrroline-5-carboxylate reductase 2	IPI00470610,IPI00747534	33,619.80	252	264	LLINAVEASCIR	R	T	1,445.78
4105	STIP1 Stress-induced-phosphoprotein 1	IPI00013894,IPI00871856	62,624.10	253	277	ELDPTNMTYITNQAAYFEKG DYNK	K	C	2,941.36
4106	TCEA1 Isoform 1 of Transcription elongation factor A protein 1	IPI00333215	33,952.60	253	265	TGGTQDTLFTCGK	K	C	1,385.64
4107	STIP1 Stress-induced-phosphoprotein 1	IPI00013894,IPI00871856	62,624.10	253	272	ELDPTNMTYITNQAAYFEK	K	G	2,364.11
4108	BXDC1 Brix domain-containing protein 1	IPI00396329	35,567.50	253	265	NISHDTFGTTYGR	K	I	1,468.68
4109	DDX5 Probable ATP-dependent RNA helicase DDX5	IPI00017617	69,131.70	253	263	MLDMGFEPQIR	R	K	1,352.63
4110	CORO1C Coronin-1C_i3 protein	IPI00867509	58,930.80	253	257	VIDPR	R	K	599.3512
4111	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	253	262	LAVNMVPPFR	K	L	1,159.63
4112	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	253	262	LAVNMVPPFR	K	L	1,159.63
4113	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	253	262	LAVNMVPPFR	K	L	1,159.63
4114	TUBB Tubulin beta chain	IPI00011654	49,652.60	253	262	LAVNMVPPFR	K	L	1,159.63
4115	TUBB Tubulin beta chain	IPI00011654	49,652.60	253	262	LAVNMVPPFR	K	L	1,159.63
4116	TUBB Tubulin beta chain	IPI00011654	49,652.60	253	262	LAVNMVPPFR	K	L	1,159.63
4117	TUBB2A Tubulin beta-2A chain	IPI00013475,IPI00031370	49,889.10	253	262	LAVNMVPPFR	K	L	1,159.63
4118	TUBB2A Tubulin beta-2A chain	IPI00013475,IPI00031370	49,889.10	253	262	LAVNMVPPFR	K	L	1,159.63
4119	AASDHPPT L-aminoadipate-semialdehyde dehydrogenase-phosphopantetheinyl transferase	IPI00250297	35,759.10	253	267	HQDVPSQDDSKPTQR	R	Q	1,737.82
4120	CKB Creatine kinase B-type	IPI00022977	42,627.10	253	265	FCTGLTQIETLFK	R	S	1,557.80
4121	CTPS2 CTP synthase 2	IPI00645702	65,661.40	253	264	VPVLLLEEQSIVK	R	Y	1,353.80
4122	TXLNA Alpha-taxilin	IPI00470779	61,873.20	254	262	SLKEEGVQR	R	A	1,045.56
4123	RUVBL2 RuvB-like 2	IPI00009104	51,140.10	254	273	TQGFLALFSGDTGEIKSEVR	R	E	2,155.10
4124	WDR54 Isoform 1 of WD repeat-containing protein 54	IPI00029811	35,872.20	254	266	AICALDLASEVGK	R	L	1,346.70
4125	TRIM28 Isoform 1 of Transcription intermediary factor 1-beta	IPI00438229,IPI00438230	88,531.00	254	262	KLLASLVKR	R	L	1,027.70
4126	HNRNPAB Isoform 3 of Heterogeneous nuclear ribonucleoprotein A/B	IPI00334713	30,570.20	254	271	GSGGGGGGGGGQGSTNYGK	R	S	1,454.63
4127	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	254	262	SGKYDLDFK	R	S	1,072.53
4128	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	254	269	SGKYDLDFKSPDDPSR	R	Y	1,826.86
4129	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	254	269	SGKYDLDFKSPDDPSR	R	Y	1,826.86
4130	DDX17 DEAD box polypeptide 17 isoform 1	IPI00023785,IPI00651653	80,256.00	255	269	ELAQQVQQVADDYQK	R	C	1,691.82
4131	DDX17 DEAD box polypeptide 17 isoform 1	IPI00023785,IPI00651653	80,256.00	255	269	ELAQQVQQVADDYQK	R	C	1,691.82
4132	PPP2CA Serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform	IPI00008380	35,576.50	255	268	NVVTIFAPNYCYR	R	C	1,703.82
4133	C20orf43 cDNA FLJ52798	IPI00218962,IPI00297121,IPI00792834	37,482.10	255	266	TGKPEEASLDSR	K	E	1,289.63

4134	PRPF6 Pre-mRNA-processing factor 6	IPI00305068	106,909.70	255	271	LSQVSDSVSGQTVVDPK	R	G	1,745.89
4135	PSMD13 proteasome 26S non-ATPase subunit 13 isoform 2	IPI00375380,IPI00549672	42,924.90	255	272	TAWGQQPDLAANEAQLLR	K	K	1,982.01
4136	GAPDH Glyceraldehyde-3-phosphate dehydrogenase	IPI00219018	36,035.30	255	259	YDDIK	K	K	653.3142
4137	PELO Protein pelota homolog	IPI00106698	43,358.40	255	265	EALCDPTVASR	K	L	1,218.58
4138	APEX1 DNA-(apurinic or apyrimidinic site) lyase	IPI00215911	35,537.70	255	274	HLYPNTPYAYTFWYMMNAR	R	S	2,572.14
4139	P4HB Protein disulfide-isomerase	IPI00010796	57,100.10	255	263	THILLFLPK	K	S	1,081.68
4140	PTBP1 Isoform 1 of Polypyrimidine tract-binding protein 1	IPI00179964,IPI00183626,IPI00334175	57,204.50	255	266	IDFSKLTSLNVK	R	Y	1,364.78
4141	HNRNPU heterogeneous nuclear ribonucleoprotein U isoform a	IPI00644079	90,567.20	256	268	GYFEYIEENKYSR	R	A	1,697.78
4142	AURKA Serine/threonine-protein kinase 6	IPI00298940	45,791.80	256	271	DIKPENLLLSAGELK	R	I	1,696.95
4143	DIS3 Isoform 2 of Exosome complex exonuclease RRP44	IPI00183462,IPI00746351	105,025.50	256	269	AVHEDIVAVELLPK	R	S	1,532.87
4144	DHRS7B Dehydrogenase/reductase SDR family member 7B	IPI00550165,IPI00871975	35,101.90	256	267	YGVMDTTTAQGR	R	S	1,315.59
4145	PFKM cDNA FLJ44241 fis, clone THYMU3008436, highly similar to 6-phosphofructokinase, muscle type	IPI00465179,IPI00743142	93,203.30	256	272	IMEIVDAITTTAQSHQR	R	T	1,929.97
4146	EEF1A2 Elongation factor 1-alpha 2	IPI00014424	50,452.60	256	266	IGGIGTVPVGR	K	V	1,025.61
4147	EEF1A1 Elongation factor 1-alpha 1	IPI00396485	50,123.20	256	266	IGGIGTVPVGR	K	V	1,025.61
4148	EEF1A1 Elongation factor 1-alpha 1	IPI00396485	50,123.20	256	266	IGGIGTVPVGR	K	V	1,025.61
4149	EEF1A1 Elongation factor 1-alpha 1	IPI00396485	50,123.20	256	266	IGGIGTVPVGR	K	V	1,025.61
4150	EEF1A1 Elongation factor 1-alpha 1	IPI00396485	50,123.20	256	266	IGGIGTVPVGR	K	V	1,025.61
4151	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	257	285	ELASQPDVDGFLVGGASLKP EFVDIINAK	K	-	3,029.58
4152	TPI1 Isoform 1 of Triosephosphate isomerase	IPI00465028	30,772.80	257	286	ELASQPDVDGFLVGGASLKP EFVDIINAKQ	K	-	3,157.64
4153	NUDC Nuclear migration protein nudC	IPI00550746	38,225.70	257	268	LVSSDPEINTKK	R	I	1,330.72
4154	NUDC Nuclear migration protein nudC	IPI00550746	38,225.70	257	267	LVSSDPEINTK	R	K	1,202.63
4155	BZW2 Basic leucine zipper and W2 domain-containing protein 2	IPI00022305,IPI00894416	48,146.00	257	265	ELQKELQER	K	L	1,172.63
4156	VDAC1 Voltage-dependent anion-selective channel protein 1	IPI00216308	30,755.90	257	274	LTLALLDGKKNVAGGHK	K	L	1,808.00
4157	PSMD3 26S proteasome non-ATPase regulatory subunit 3	IPI00011603	60,961.60	257	269	NYLHYSLYDQAEK	R	L	1,643.77
4158	VDAC3 Isoform 1 of Voltage-dependent anion-selective channel protein 3	IPI00031804,IPI00294779	30,641.90	257	266	LTLALIDGK	K	N	1,030.61
4159	VDAC1 Voltage-dependent anion-selective channel protein 1	IPI00216308	30,755.90	257	266	LTLALLDGK	K	N	1,030.61
4160	VDAC1 Voltage-dependent anion-selective channel protein 1	IPI00216308	30,755.90	257	266	LTLALLDGK	K	N	1,030.61
4161	CNN3 Calponin-3	IPI00216682,IPI00873410,IPI00909623	36,396.60	257	265	GMSVYGLGR	K	Q	955.4667
4162	GNB1 Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1	IPI00026268	37,359.50	257	280	ADQELMTYSHDNIICGITSVSF SK	R	S	2,716.26
4163	VDAC2 Isoform 2 of Voltage-dependent anion-selective channel protein 2	IPI00024145,IPI00216026,IPI00455531,IPI00737171,IPI00888783,IPI00902560	30,395.00	257	266	LTLALVDGK	K	S	1,016.60
4164	DDX27 Probable ATP-dependent RNA helicase DDX27	IPI00293078	89,820.10	257	268	DICACAATGTGK	K	T	1,224.54
4165	NONO Non-POU domain-containing octamer-binding protein	IPI00304596	54,213.60	257	270	FAQPGSFYEYAMR	R	W	1,695.75
4166	YBX1 Nuclease-sensitive element-binding protein 1	IPI00031812,IPI00643351	35,905.70	257	280	EDGNEEDKENQGDETGGQQ PPQRR	R	Y	2,784.21
4167	EXOSC9 Isoform 2 of Exosome complex exonuclease RRP45	IPI00029697,IPI00654592	50,786.00	258	267	VAEITELILK	K	A	1,128.69
4168	DDX21 Isoform 1 of Nucleolar RNA helicase 2	IPI00015953	87,328.00	258	270	GRAPQVLVLAPTR	R	E	1,377.83
4169	NSUN2 tRNA (cytosine-5-)-methyltransferase NSUN2	IPI00306369	86,454.80	258	264	EILFYDR	K	I	955.4884

4170	PSMD14 26S proteasome non-ATPase regulatory subunit 14	IPI00024821	34,558.60	258	273	AVEEEDKMTPEQLAIK	K	N	1,846.91
4171	IGF2BP1 Insulin-like growth factor 2 mRNA-binding protein 1	IPI00008557	63,438.30	259	266	MILEIMHK	K	E	1,014.55
4172	PSMD11 Proteasome 26S non-ATPase subunit 11 variant (Fragment)	IPI00105598	47,519.40	259	274	IMLNTPEDVQALVSGK	K	L	1,714.90
4173	TALDO1 Transaldolase	IPI00744692	37,523.70	259	269	LLGELLQDNAK	K	L	1,213.68
4174	LMNB1 Lamin-B1	IPI00217975	66,391.60	259	271	LYKEELEQTYHAK	R	L	1,651.83
4175	PSMC5 26S protease regulatory subunit 8	IPI00023919,IPI00745502	45,609.10	259	271	LEGGSGGDSEVQR	R	T	1,290.59
4176	BZW1 Isoform 2 of Basic leucine zipper and W2 domain-containing protein 1	IPI00180128,IPI00785096,IPI00916112,IPI00916503,IPI00918019	40,522.00	260	267	ELQEQMSR	K	G	1,020.48
4177	CCT8 T-complex protein 1 subunit theta	IPI00784090	59,603.00	261	281	TAEELMNFSGKEENLMDAQQV K	K	A	2,416.10
4178	CDK5 Cell division protein kinase 5	IPI00023530	33,287.80	261	268	DLLQNLLK	R	C	956.5777
4179	CDK5 Cell division protein kinase 5	IPI00023530	33,287.80	261	268	DLLQNLLK	R	C	956.5777
4180	CLINT1 Isoform 1 of Clathrin interactor 1	IPI00291930	68,242.50	261	274	HIHIQTATETTTTR	K	H	1,609.83
4181	CDC2 Putative uncharacterized protein DKFZp686L20222	IPI00026689	34,762.10	261	272	NLDENGLDLSK	K	M	1,330.69
4182	DDX56 Probable ATP-dependent RNA helicase DDX56	IPI00302281	61,573.50	261	270	SLLFVNTLER	K	S	1,191.67
4183	EIF3D Eukaryotic translation initiation factor 3 subunit D	IPI00006181,IPI00791086	63,955.80	261	271	SVYSWDIVVQR	R	V	1,351.70
4184	EIF3I Eukaryotic translation initiation factor 3 subunit I	IPI00012795	36,484.00	262	268	IGKFEAR	R	F	820.4676
4185	BLVRA Biliverdin reductase A	IPI00294158	33,411.00	262	275	LLGQFSEKELAAEK	K	K	1,562.84
4186	IDE Insulin-degrading enzyme	IPI00220373	117,956.00	262	273	ESLDDLTLNLVVK	R	L	1,345.72
4187	FAM98A Protein FAM98A	IPI00174442,IPI00872161	55,383.40	262	273	TTISVAHLLAAR	K	Q	1,252.74
4188	DDX24 ATP-dependent RNA helicase DDX24	IPI00006987	96,316.70	262	278	NAAPPPSNTTEAPPGETR	R	T	1,705.81
4189	DDX3X ATP-dependent RNA helicase DDX3X	IPI00215637	73,227.70	263	276	RKQYPISLVLAPTR	R	E	1,641.98
4190	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	263	276	LHFFMPGFAPLTSR	R	G	1,636.83
4191	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	263	276	LHFFMPGFAPLTSR	R	G	1,636.83
4192	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	263	276	LHFFMPGFAPLTSR	R	G	1,636.83
4193	TUBB Tubulin beta chain	IPI00011654	49,652.60	263	276	LHFFMPGFAPLTSR	R	G	1,636.83
4194	TUBB Tubulin beta chain	IPI00011654	49,652.60	263	276	LHFFMPGFAPLTSR	R	G	1,636.83
4195	TUBB2A Tubulin beta-2A chain	IPI00013475,IPI00031370	49,889.10	263	276	LHFFMPGFAPLTSR	R	G	1,636.83
4196	TUBB2A Tubulin beta-2A chain	IPI00013475,IPI00031370	49,889.10	263	276	LHFFMPGFAPLTSR	R	G	1,636.83
4197	PDE12 Isoform 1 of 2',5'-phosphodiesterase 12	IPI00174390,IPI00886797	67,333.70	263	282	ELESVCVVEAGPGTCTFDHR	R	H	2,263.01
4198	EZR Ezrin	IPI00746388,IPI00843975,IPI00872684	69,265.40	263	272	APDFVIFYAPR	K	L	1,182.59
4199	HSPA5 HSPA5 protein	IPI00003362	72,405.60	263	269	VMEHFIK	R	L	903.4757
4200	FUBP3 Isoform 1 of Far upstream element-binding protein 3	IPI00377261	61,621.90	263	271	FAVGIVIGR	R	N	931.5724
4201	GRHPR Glyoxylate reductase/hydroxypyruvate reductase	IPI00037448	35,651.10	263	286	IAAAGLDVTSPEPLTNHPLLT LK	K	N	2,468.38
4202	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	263	281	SPDDPSRYISPDQLADLYK	K	S	2,180.05
4203	PAICS phosphoribosylaminoimidazole carboxylase, phosphoribosylaminoimidazole succinocarboxamide synthetase isoform 1	IPI00815732	47,941.00	263	268	VELLLK	R	S	714.4761
4204	PSMD4 Isoform Rpn10A of 26S proteasome non-ATPase regulatory subunit 4	IPI00022694	40,719.20	263	272	MTISQQEFGR	K	T	1,196.57
4205	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	263	275	DLNYCFSGMSDHR	R	Y	1,601.65
4206	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	263	275	DLNYCFSGMSDHR	R	Y	1,601.65
4207	HNRNPH2 Heterogeneous nuclear ribonucleoprotein H2	IPI00026230	49,246.10	263	275	DLNYCFSGMSDHR	R	Y	1,601.65
4208	HNRNPH2 Heterogeneous nuclear ribonucleoprotein H2	IPI00026230	49,246.10	263	275	DLNYCFSGMSDHR	R	Y	1,601.65
4209	HNRNPF Heterogeneous nuclear ribonucleoprotein F	IPI00003881	45,653.80	263	275	DLSYCLSGMYDHR	R	Y	1,616.68

4210	SLC25A5 ADP/ATP translocase 2	UPI00007188	32,878.50	264	272	DEGGKAFFK	R	G	998.4943
4211	SLC25A6 ADP/ATP translocase 3	UPI00291467	32,849.10	264	272	DEGGKAFFK	R	G	998.4943
4212	- cDNA FLJ54554, highly similar to Pyruvate kinase isozymes M1/M2	UPI00910979	56,255.30	264	279	RFDEILEASDGIMVAR	R	G	1,837.91
4213	RDX Radixin, isoform CRA_a	UPI00017367,UPI00903145	71,032.60	264	273	APDFVIFYAPR	K	L	1,182.59
4214	MSN Moesin	UPI00219365,UPI00872814	67,803.80	264	273	APDFVIFYAPR	K	L	1,182.59
4215	DNAJB1 DnaJ homolog subfamily B member 1	UPI00015947	38,027.60	264	279	EALCGCTVNVPTLDGR	R	T	1,761.83
4216	TUBA1A Tubulin alpha-1A chain	UPI00180675	50,117.70	265	280	IHFPLATYAPVISA EK	R	A	1,756.96
4217	TUBA1C Tubulin alpha-1C chain	UPI00218343	49,877.40	265	280	IHFPLATYAPVISA EK	R	A	1,756.96
4218	TUBA1B Tubulin alpha-1B chain	UPI00387144,UPI00792677	50,133.70	265	280	IHFPLATYAPVISA EK	R	A	1,756.96
4219	DARS Aspartyl-tRNA synthetase, cytoplasmic	UPI00216951	57,118.70	265	273	VFSIGPVFR	K	A	1,021.58
4220	DHPS Isoform Long of Deoxyhypusine synthase	UPI00026829	40,953.30	265	274	LINTQAIFAK	R	C	1,118.66
4221	SF3A3 Splicing factor 3A subunit 3	UPI00029764	58,833.30	265	273	SALLALGLK	K	C	885.5769
4222	HNRNPA2B1 43 kDa protein	UPI00874030	43,234.30	265	274	GGNFGFGDSR	R	G	1,013.44
4223	HNRNPA2B1 43 kDa protein	UPI00874030	43,234.30	265	274	GGNFGFGDSR	R	G	1,013.44
4224	GATAD2B Transcriptional repressor p66-beta	UPI00103554	65,243.70	265	277	VIAPNPAQLQGQR	R	G	1,391.78
4225	WARS Tryptophanyl-tRNA synthetase, cytoplasmic	UPI00295400	53,149.60	265	277	GIFGFTDSDCIGK	K	I	1,416.65
4226	PRKAR1A cAMP-dependent protein kinase type I-alpha regulatory subunit	UPI00021831	42,964.40	265	281	LTVADALEPVQFEDGQK	R	I	1,859.94
4227	HNRNPL Heterogeneous nuclear ribonucleoprotein L	UPI00027834	64,114.80	265	272	IEYAKPTR	K	L	977.5415
4228	HNRNPL Heterogeneous nuclear ribonucleoprotein L	UPI00027834	64,114.80	265	272	IEYAKPTR	K	L	977.5415
4229	PSPC1 Isoform 1 of Paraspeckle component 1	UPI00103525,UPI00395775	58,726.50	265	278	FAQPGTFEFYASR	R	W	1,649.76
4230	AP2B1 Isoform 1 of AP-2 complex subunit beta-1	UPI00784156,UPI00784366,UPI00790702	104,537.20	266	272	FLELLPK	K	D	859.5289
4231	ATP6V1A V-type proton ATPase catalytic subunit A	UPI00007682	68,287.40	266	280	YSNSDVIIYVCGGER	K	G	1,731.80
4232	ZNF503 Isoform 1 of Zinc finger protein 503	UPI00304992	62,538.00	266	283	GTGGASAEGGPTGLAHGR	K	I	1,552.75
4233	PFKP 6-phosphofructokinase type C	UPI00009790	85,579.40	266	287	LNIIIVAEGAIDTQNKPITSEK	R	I	2,367.31
4234	FBL rRNA 2'-O-methyltransferase fibrillar	UPI00025039	33,766.10	266	284	ANCIDSTASAEAVFASEVK	K	K	1,969.92
4235	UCHL5 Isoform 2 of Ubiquitin carboxyl-terminal hydrolase isozyme L5	UPI00219512,UPI00219513,UPI002299313,UPI00549820,UPI00549849,UPI00641843,UPI00642374	36,061.70	266	276	NQMLIEEEVQK	K	L	1,376.67
4236	UHRF1 ubiquitin-like with PHD and ring finger domains 1 isoform 2	UPI00797279,UPI00797945	91,082.30	267	283	ELYANVVLGDDSLNDCR	R	I	1,952.90
4237	TCP1 T-complex protein 1 subunit alpha	UPI00290566	60,327.20	267	274	ESDITKER	R	I	977.4899
4238	AP3S1 AP-3 complex subunit sigma-1	UPI00014624	32,126.80	267	275	NMNLPEIPR	K	N	1,083.56
4239	PKM2 Isoform M1 of Pyruvate kinase isozymes M1/M2	UPI00220644,UPI00479186	58,044.60	267	278	IISKIENHEGVR	K	R	1,394.78
4240	EEF1A2 Elongation factor 1-alpha 2	UPI00014424	50,452.60	267	290	VETGILRPGMVVTFAPVNITTE R VK	R	S	2,587.42
4241	EEF1A1 Elongation factor 1-alpha 1	UPI00396485	50,123.20	267	290	VETGVLPKGMVVTFAPVNVT R TEVK	R	S	2,515.38
4242	EEF1A1 Elongation factor 1-alpha 1	UPI00396485	50,123.20	267	290	VETGVLPKGMVVTFAPVNVT R TEVK	R	S	2,531.38
4243	EEF1A1 Elongation factor 1-alpha 1	UPI00396485	50,123.20	267	290	VETGVLPKGMVVTFAPVNVT R TEVK	R	S	2,515.38
4244	ATIC Bifunctional purine biosynthesis protein PURH	UPI00289499	64,598.50	267	285	HVSPAGA AVGIPLSEDEAK	K	V	1,847.95
4245	PDIA6 Isoform 2 of Protein disulfide-isomerase A6	UPI00299571,UPI00644989	53,883.90	267	283	VKLA AVDATVNQVLASR	K	Y	1,755.01
4246	LAP3 Isoform 1 of Cytosol aminopeptidase	UPI00419237,UPI00789806	56,149.70	268	282	GSPNANEPLV FVGK	K	G	1,525.80
4247	YIF1B Isoform 3 of Protein YIF1B	UPI00063544,UPI00735552,UPI00736813	33,948.30	268	280	ILADAAAEGVPVR	K	G	1,281.72
4248	RUVBL1 Isoform 1 of RuvB-like 1	UPI00021187	50,211.40	268	276	KTEITDKLR	K	G	1,103.64
4249	- cDNA FLJ54408, highly similar to Heat shock 70 kDa protein 1	UPI00911039	63,907.90	268	287	DAKLDKAIHDLVLVGGSTR	R	I	2,136.18
4250	DHRS7B Dehydrogenase/reductase SDR family member 7B	UPI00550165,UPI00871975	35,101.90	268	283	SPVEVAQDVLA AVGKK	R	K	1,610.91
4251	PTPN1 Tyrosine-protein phosphatase non-receptor type 1	UPI00297261	49,949.70	269	279	FSYLAVIEGAK	R	F	1,197.65

4252	PIP4K2C Phosphatidylinositol-5-phosphate 4-kinase type-2 gamma	IPI00152303,IPI00896381	47,268.90	269	277	DVEFLVQLK	R	I	1,090.61
4253	DDX27 Probable ATP-dependent RNA helicase DDX27	IPI00293078	89,820.10	269	279	TAAFALPVLER	K	L	1,187.68
4254	NOP5/NOP58 Nucleolar protein 5	IPI00006379	59,562.20	269	278	TQLYEYLQNR	R	M	1,327.66
4255	NOP5/NOP58 Nucleolar protein 5	IPI00006379	59,562.20	269	278	TQLYEYLQNR	R	M	1,327.66
4256	CTPS CTP synthase 1	IPI00290142	66,672.70	269	276	RLDLPIER	R	Q	1,011.59
4257	EIF3I Eukaryotic translation initiation factor 3 subunit I	IPI00012795	36,484.00	269	280	FFHLAFEEEEFGR	R	V	1,528.72
4258	PDIA6 Isoform 2 of Protein disulfide-isomerase A6	IPI00299571,IPI00644989	53,883.90	269	283	LAAVDATVNQVLASR	K	Y	1,527.85
4259	BUB3 Mitotic checkpoint protein BUB3	IPI00013468,IPI00514701,IPI00644108	37,136.70	269	274	LCQFHR	R	Y	860.4196
4260	CSE1L Isoform 1 of Exportin-2	IPI00022744,IPI00219994	110,403.90	269	281	SQICDNaALYAQK	K	Y	1,481.71
4261	GTF2E2 Transcription initiation factor IIE subunit beta	IPI00019981	33,027.00	270	291	FKTHNEHLAGVLKDYSDITSS K	R	-	2,490.26
4262	- cDNA FLJ52712, highly similar to Tubulin beta-6 chain	IPI00908469	46,683.90	270	278	NMMAACDPR	R	H	1,065.43
4263	SNX2 Sorting nexin-2	IPI00299095	58,454.20	270	283	AVNTQALSGAGILR	R	M	1,370.78
4264	STK4 Isoform 1 of Serine/threonine-protein kinase 4	IPI00011488,IPI00645585	55,613.30	270	282	ATATQLLQHPFVR	R	S	1,481.82
4265	TCEA1 Isoform 1 of Transcription elongation factor A protein 1	IPI00333215	33,952.60	270	279	NCTYTQVQTR	K	S	1,270.58
4266	HNRNPA0 Heterogeneous nuclear ribonucleoprotein A0	IPI00011913	30,822.50	270	284	SGGGGGGGSSWGGR	K	S	1,192.51
4267	HNRNPA0 Heterogeneous nuclear ribonucleoprotein A0	IPI00011913	30,822.50	270	284	SGGGGGGGSSWGGR	K	S	1,192.51
4268	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	270	281	YISPDQLADLYK	R	S	1,425.73
4269	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	270	281	YISPDQLADLYK	R	S	1,425.73
4270	DNAJB6 Isoform A of DnaJ homolog subfamily B member 6	IPI00024523	36,070.20	271	287	HAPHCLSEEEGEQDRPR	R	A	2,046.90
4271	PHGDH D-3-phosphoglycerate dehydrogenase	IPI00011200	56,632.60	271	289	ALVDHENVISCPHLGASTK	R	E	2,048.02
4272	LCLAT1 Isoform 1 of Lysocardiolipin acyltransferase	IPI00419643,IPI00456786,IPI00910254	48,904.20	271	279	HLLQGDFPR	K	E	1,082.57
4273	DDX59 Isoform 2 of Probable ATP-dependent RNA helicase DDX59	IPI00010449,IPI00217157	64,554.60	271	281	TPSALILPTR	K	E	1,169.69
4274	- cDNA FLJ54408, highly similar to Heat shock 70 kDa protein 1	IPI00911039	63,907.90	271	287	LDKAQIHDLVLVGGSTR	K	I	1,822.02
4275	OLA1 Isoform 1 of Obg-like ATPase 1	IPI00290416,IPI00916847	44,727.40	271	279	LQELSAEER	K	Q	1,074.54
4276	PRIM2 Isoform 1 of DNA primase large subunit	IPI00027705	58,791.20	271	282	ISLDQIDLLSTK	K	S	1,345.76
4277	KIF2A Isoform 1 of Kinesin-like protein KIF2A	IPI00010368,IPI00848334,IPI00867529,IPI00867746	77,731.80	272	284	FTARPLVETIFER	R	G	1,578.86
4278	NAPA Alpha-soluble NSF attachment protein	IPI00009253	33,216.10	272	282	LDQWLTTMLLR	R	I	1,405.75
4279	GAPDH Glyceraldehyde-3-phosphate dehydrogenase	IPI00219018	36,035.30	272	309	GILGYTEHQVVSDFNSDTHS K	R	L	4,036.90
4280	EHD4 EH domain-containing protein 4	IPI00005578	61,159.60	273	283	LFEAEAQDLFR	R	D	1,338.67
4281	STUB1 Isoform 1 of STIP1 homology and U box-containing protein 1	IPI00025156	34,839.00	273	287	SPLTQEQLIPNLAMK	R	E	1,682.91
4282	SLC25A5 ADP/ATP translocase 2	IPI00007188	32,878.50	273	280	GAWSNVLR	K	G	902.4842
4283	SLC25A6 ADP/ATP translocase 3	IPI00291467	32,849.10	273	280	GAWSNVLR	K	G	902.4842
4284	DDX17 DEAD box polypeptide 17 isoform 1	IPI00023785,IPI00651653	80,256.00	273	284	LKSTCIYGGAPK	R	G	1,294.68
4285	PFKM cDNA FLJ44241 fis, clone THYMU3008436, highly similar to 6-phosphofructokinase, muscle type	IPI00465179,IPI00743142	93,203.30	273	281	TFVLEVMGR	R	H	1,051.56
4286	ACAT2 Acetyl-CoA acetyltransferase, cytosolic	IPI00291419	41,332.40	273	279	GLTPLAR	R	I	727.4462
4287	CDC2 Putative uncharacterized protein DKFZp686L20222	IPI00026689	34,762.10	273	281	MLIYDPAKR	K	I	1,122.60
4288	CCT6A T-complex protein 1 subunit zeta	IPI00027626,IPI00552590	58,007.30	273	279	KIIElKR	K	K	899.6038
4289	TKT cDNA FLJ54957, highly similar to Transketolase	IPI00643920	68,725.40	273	289	NMAEQIIQEIYSQIQSK	K	K	2,039.01
4290	DCTN2 dynactin 2	IPI00220503,IPI00789792	44,802.30	273	287	VSALDLAVLDQVEAR	K	L	1,598.87

4291	NONO Non-POU domain-containing octamer-binding protein	IPI00304596	54,213.60	273	287	ALIEMEKQQQDQVDR	K	N	1,830.90
4292	IGF2BP1 Insulin-like growth factor 2 mRNA-binding protein 1	IPI00008557	63,438.30	273	280	TADDEVPLK	K	T	872.4725
4293	- cDNA FLJ54408, highly similar to Heat shock 70 kDa protein 1	IPI00911039	63,907.90	274	287	AQIHDLVLVGGSTR	K	I	1,465.81
4294	HNRPDL Isoform 1 of Heterogeneous nuclear ribonucleoprotein D-like	IPI00011274,IPI00045498,IPI00845282	46,420.60	274	289	RGFCFITYTDEEPVKK	R	L	1,989.97
4295	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	274	284	EKYIDQEELNK	K	T	1,408.70
4296	PSMD3 26S proteasome non-ATPase regulatory subunit 3	IPI00011603	60,961.60	274	287	SVFPEQANNNEWAR	K	Y	1,661.77
4297	CDK5 Cell division protein kinase 5	IPI00023530	33,287.80	275	292	ISAEELQHPYFSDFCPP	R	-	2,107.94
4298	VDAC1 Voltage-dependent anion-selective channel protein 1	IPI00216308	30,755.90	275	283	LGLGLEFQA	K	-	947.5198
4299	HNRNPA2B1 43 kDa protein	IPI00874030	43,234.30	275	289	GGGGNFGPGPSNFR	R	G	1,377.63
4300	SMU1 WD40 repeat-containing protein SMU1	IPI00305833	57,526.80	275	287	DTEMLATGAQDGK	R	I	1,336.61
4301	GNB2L1 38 kDa protein	IPI00641950,IPI00848226	37,740.10	275	286	YWLCAATGPSIK	R	I	1,366.68
4302	ILF3 Isoform 1 of Interleukin enhancer-binding factor 3	IPI00298788	95,320.90	275	308	VLECLASGIVMPDGSGIYDPC	R	Q	3,704.72
4303	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	276	294	EKEATDAIGHLDR YDGGGSTFQSTTGHCVHMR	R	G	2,113.88
4304	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	276	294	YDGGGSTFQSTTGHCVHMR	R	G	2,113.88
4305	HNRNPF Heterogeneous nuclear ribonucleoprotein F	IPI00003881	45,653.80	276	294	YGDSEFTVQSTTGHCVHMR	R	G	2,211.95
4306	TRIP13 Isoform 1 of Thyroid receptor-interacting protein 13	IPI00003505	48,534.10	276	289	VVNAVLTQIDQIKR	R	H	1,596.94
4307	NUDC Nuclear migration protein nudC	IPI00550746	38,225.70	276	284	LSDLSETR	K	S	1,035.50
4308	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	276	295	HNDDEQYAWESSAGGSFTV	K	T	2,255.96
4309	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	276	284	YIDQEELNK	K	T	1,151.56
4310	PES1 Isoform 1 of Pescadillo homolog 1	IPI00003768,IPI00554461,IPI00878536	67,986.90	276	285	LAALSALAR	K	V	972.5836
4311	XPNPEP1 Isoform 2 of Xaa-Pro aminopeptidase 1	IPI00607814,IPI00645898,IPI00793375	67,210.10	277	285	ALCADLSPR	K	E	1,002.50
4312	LMNB1 Lamin-B1	IPI00217975	66,391.60	277	290	LSSEMNTSTVNSAR	R	E	1,512.70
4313	ANXA5 Annexin A5	IPI00329801,IPI00872379	35,920.60	277	286	SEIDLFNIRK	R	E	1,234.68
4314	GNL3L Guanine nucleotide-binding protein-like 3-like protein	IPI00005132,IPI00871959	65,555.30	277	288	ACSVGAVPGITK	R	F	1,159.61
4315	DDX3X ATP-dependent RNA helicase DDX3X	IPI00215637	73,227.70	277	287	ELAVQIYEER	R	K	1,320.68
4316	SRM Spermidine synthase	IPI00292020	33,806.50	278	285	YNSDVHR	K	A	1,053.47
4317	PDLIM1 PDZ and LIM domain protein 1	IPI00010414	36,053.30	278	294	HRHPECYVCTDCGTNLK	R	Q	2,146.92
4318	G3BP2 Isoform A of Ras GTPase-activating protein-binding protein 2	IPI00009057,IPI00179890	54,102.30	278	290	VEAKPEVQSQPPR	R	V	1,464.78
4319	TCP1 T-complex protein 1 subunit alpha	IPI00290566	60,327.20	278	298	ILATGANVILTTGGIDDMCLK	K	Y	2,192.13
4320	BLVRA Biliverdin reductase A	IPI00294158	33,411.00	278	290	ILHCLGLAEEIQK	R	Y	1,523.83
4321	PKM2 Isoform M1 of Pyruvate kinase isozymes M1/M2	IPI00220644,IPI00479186	58,044.60	279	294	RFDEILEASDGIMVAR	R	G	1,837.91
4322	AOF2 Isoform 2 of Lysine-specific histone demethylase 1	IPI00217540,IPI00456631	95,137.70	279	289	HGLINFGIYKR	R	I	1,317.74
4323	HNRNPK Isoform 1 of Heterogeneous nuclear ribonucleoprotein K	IPI00216049,IPI00216746,IPI00807545,IPI00910458	50,960.50	279	286	DYDDMSPR	R	R	1,014.38
4324	AKR7A2 Aflatoxin B1 aldehyde reductase member 2	IPI00305978	39,571.00	279	297	ALQAAYGASAPSVTSAALR	K	W	1,804.96
4325	RANGAP1 Ran GTPase-activating protein 1	IPI00294879	63,525.30	280	289	GAVAIADAIR	K	G	956.5524
4326	SFPQ Isoform Long of Splicing factor, proline- and glutamine-rich	IPI00010740	76,131.50	280	286	ANLSLLR	K	R	786.4832
4327	UCLH5 Isoform 2 of Ubiquitin carboxyl-terminal hydrolase isozyme L5	IPI00219512,IPI00219513,IPI00299313,IPI00549820,IPI00549849,IPI00641843,IPI00642374	36,061.70	280	286	YKIENIR	R	R	935.5309
4328	PGK1 Phosphoglycerate kinase 1	IPI00169383	44,597.30	280	297	ITLPVDFVTADKFDENAK	K	T	2,023.04
4329	- cDNA FLJ54554, highly similar to Pyruvate kinase isozymes M1/M2	IPI00910979	56,255.30	280	290	GDLGIEIPAEEK	R	V	1,141.61

4330	TUBA1A Tubulin alpha-1A chain	IPI00180675	50,117.70	281	304	AYHEQLSVAEITNACFEPANQ MVK	K	C	2,766.29
4331	TUBA1A Tubulin alpha-1A chain	IPI00180675	50,117.70	281	304	AYHEQLSVAEITNACFEPANQ MVK	K	C	2,766.29
4332	TUBA1B Tubulin alpha-1B chain	IPI00387144,IPI00792677	50,133.70	281	304	AYHEQLSVAEITNACFEPANQ MVK	K	C	2,766.29
4333	TUBA1C Tubulin alpha-1C chain	IPI00218343	49,877.40	281	304	AYHEQLTVAEITNACFEPANQ MVK	K	C	2,780.30
4334	WDR82 WD repeat-containing protein 82	IPI00152695	35,062.40	281	293	HTGPITCLQFNPK	K	F	1,512.76
4335	LMNA Isoform A of Lamin-A/C	IPI00021405	74,122.60	281	296	NSNLVGAHAHEELQQSR	R	I	1,752.86
4336	EIF3I Eukaryotic translation initiation factor 3 subunit I	IPI00012795	36,484.00	281	298	VKGHFGPINSVAFHPDGK	R	S	1,906.99
4337	RQCD1 Cell differentiation protein RCD1 homolog	IPI00023101	33,614.20	282	292	NLQEGQVTDPR	K	G	1,256.62
4338	NUFIP2 Nuclear fragile X mental retardation-interacting protein 2	IPI00002349	76,103.10	282	291	YETGPGGTSR	K	G	1,024.47
4339	EXOSC9 Isoform 2 of Exosome complex exonuclease RRP45	IPI00029697,IPI00654592	50,786.00	282	292	FGFAESIANQR	K	I	1,239.61
4340	COPB2 Coatomer subunit beta'	IPI00220219	102,471.10	282	298	GSNNVALGYDEGSIIVK	R	L	1,735.89
4341	IK Protein Red	IPI00011875,IPI00883647	65,615.20	282	290	LTQILSYLR	K	Q	1,106.66
4342	CCT8 T-complex protein 1 subunit theta	IPI00784090	59,603.00	282	296	AIADTGANVVVTGGK	K	V	1,372.74
4343	CSE1L Isoform 1 of Exportin-2	IPI00022744,IPI00219994	110,403.90	282	288	YDEEFQR	K	Y	986.4214
4344	ILVBL Isoform 1 of Acetolactate synthase-like protein	IPI00554541,IPI00556135	67,849.10	283	305	AKRPLMVLGSQLLTPTSADK LR	R	A	2,482.42
4345	XRCC5 ATP-dependent DNA helicase 2 subunit 2	IPI00220834,IPI00871391	82,689.10	283	291	TLKKEDIQK	K	E	1,102.65
4346	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	283	297	ALTVPELTQQMFDAK	R	N	1,691.87
4347	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	283	297	ALTVPELTQQMFDAK	R	N	1,707.86
4348	TUBB2A Tubulin beta-2A chain	IPI00013475,IPI00031370	49,889.10	283	297	ALTVPELTQQMFDSK	R	N	1,723.86
4349	TUBB2A Tubulin beta-2A chain	IPI00013475,IPI00031370	49,889.10	283	297	ALTVPELTQQMFDSK	R	N	1,723.86
4350	TUBB Tubulin beta chain	IPI00011654	49,652.60	283	297	ALTVPELTQQVFDAK	R	N	1,659.90
4351	TUBB Tubulin beta chain	IPI00011654	49,652.60	283	297	ALTVPELTQQVFDAK	R	N	1,659.90
4352	RBMX Heterogeneous nuclear ribonucleoprotein G	IPI00304692	42,315.70	283	292	DSYESYGNSR	R	S	1,177.48
4353	VIM Vimentin	IPI00418471	53,634.60	283	292	NLQEAEEWYK	K	S	1,309.61
4354	AARS Alanyl-tRNA synthetase, cytoplasmic	IPI00027442,IPI00910701	106,795.20	283	296	VGAEDADGIDMAYR	K	V	1,498.65
4355	ZNF503 Isoform 1 of Zinc finger protein 503	IPI00304992	62,538.00	284	305	ISCGGGINVDVNHQHPDGGPG GK	R	A	2,134.99
4356	DNAJA1 DnaJ homolog subfamily A member 1	IPI00012535	44,850.60	284	296	TIVITSHPGQIVK	R	H	1,392.82
4357	HSDL2 Isoform 2 of Hydroxysteroid dehydrogenase-like protein 2	IPI00031107,IPI00414384	45,378.60	284	298	KVESTGAVPEFKEEK	K	L	1,677.87
4358	ATP6V1H Isoform 1 of V-type proton ATPase subunit H	IPI00296191,IPI00414079,IPI00909198	55,865.40	284	290	IILAAFR	R	N	803.5138
4359	PPP2CA Serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform	IPI00008380	35,576.50	284	294	YSFLQFDPAPR	K	R	1,340.66
4360	PPP2CA Serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform	IPI00008380	35,576.50	284	294	YSFLQFDPAPR	K	R	1,340.66
4361	HSPA9 Stress-70 protein, mitochondrial	IPI00007765	73,663.30	285	292	HIVKEFKR	R	E	1,056.63
4362	OSBPL11 Oxysterol-binding protein-related protein 11	IPI00032970,IPI00789006	83,625.30	285	299	GSLPSGTTIEWLEPK	K	I	1,614.84
4363	TRUB2 Probable tRNA pseudouridine synthase 2	IPI00024151	36,677.20	285	296	AATPQVAEELEK	R	S	1,227.66
4364	MCCC1 Methylcrotonoyl-CoA carboxylase subunit alpha, mitochondrial	IPI00024580,IPI00792499	80,455.60	285	295	IIEAPAPGIK	K	S	1,137.65
4365	PSMC2 26S protease regulatory subunit 7	IPI00021435	48,617.60	285	297	FDDGAGGDNEVQR	R	T	1,379.58
4366	NAPA Alpha-soluble NSF attachment protein	IPI00009253	33,216.10	286	295	TIQGDEEDLR	K	-	1,175.55
4367	LCP1 Plastin-2	IPI00010471	70,274.10	286	297	IGNFSTDIKDSK	K	A	1,324.67
4368	FBL rRNA 2'-O-methyltransferase fibrillar	IPI00025039	33,766.10	286	304	MQQENMKPQEQLTLEPYER	K	D	2,424.12
4369	KIAA1279 KIF1-binding protein	IPI00477355	71,797.70	286	306	ISATEDTPEAEGEVPPELYHQR	K	K	2,371.11
4370	CDC2 Putative uncharacterized protein DKFZp686L20222	IPI00026689	34,762.10	286	301	MALNHPYFNLDLNQIK	K	K	1,948.92

4371	SSB Lupus La protein	IPI00009032,IPI00916802	46,821.00	286	297	AKDANNGNLQLR	K	N	1,313.69
4372	KPNA2;LOC728860 Importin subunit alpha-2	IPI00002214,IPI00789457	57,844.50	286	291	IGMVVK	R	T	646.3957
4373	DDX24 ATP-dependent RNA helicase DDX24	IPI00006987	96,316.70	287	318	SPGKAEAESDALPDDTVIESE ALPSDIAAEAR AFNLVK	R	A	3,254.56
4374	U2AF2 Isoform 1 of Splicing factor U2AF 65 kDa subunit	IPI00031556,IPI00830039	53,483.10	287	292		K	D	691.4137
4375	CSDE1 Isoform Long of Cold shock domain-containing protein E1	IPI00470891,IPI00844264,IPI00873244	88,867.00	287	295	IKVDFVIK	R	E	1,058.66
4376	DDX21 Isoform 1 of Nucleolar RNA helicase 2	IPI00015953	87,328.00	287	304	LSVACFYGGTPYGGQFER	K	M	2,008.92
4377	HNRNP3 Isoform 1 of Heterogeneous nuclear ribonucleoprotein H3	IPI00013877,IPI00216492	36,909.60	288	301	DGMDNQGGYGSVGR	R	M	1,412.59
4378	SSB Lupus La protein	IPI00009032,IPI00916802	46,821.00	288	297	DANNGNLQLR	K	N	1,114.56
4379	PFKP 6-phosphofructokinase type C	IPI00009790	85,579.40	288	301	IKELVVTQLGYDTR	K	V	1,634.91
4380	EEF2 Elongation factor 2	IPI00186290	95,322.10	288	299	TFCQLLDPIFK	R	V	1,494.80
4381	WDR61 WD repeat-containing protein 61	IPI00019269	33,562.80	289	305	IVSVGDDQEIHIYDCPI	K	-	1,972.93
4382	PLS3 plastin 3	IPI00216694	70,795.90	289	300	INNFSADIKDSK	K	A	1,351.69
4383	PLS3 plastin 3	IPI00216694	70,795.90	289	297	INNFSADIK	K	D	1,021.53
4384	DDX1 ATP-dependent RNA helicase DDX1	IPI00293655	82,415.10	289	296	ALIVEPSR	K	E	884.52
4385	TARS Threonyl-tRNA synthetase, cytoplasmic	IPI00329633,IPI00908949	83,419.80	289	296	ADMETLQR	K	I	979.4515
4386	IGF2BP2 insulin-like growth factor 2 mRNA binding protein 2 isoform a	IPI00179713,IPI00180983,IPI00743914	66,104.40	289	295	LIGKEGR	R	N	772.4677
4387	LTA4H Isoform 1 of Leukotriene A-4 hydrolase	IPI00219077	69,269.10	289	310	SLSNVIAEISHSWTGNLVTN K	K	T	2,407.24
4388	RARS Isoform Complexed of Arginyl-tRNA synthetase, cytoplasmic	IPI00004860	75,364.00	290	306	AYQCVVLLQGKNPDITK	R	A	1,947.04
4389	PRPF19 Pre-mRNA-processing factor 19	IPI00004968	55,163.30	290	303	IWSVNPASCVQVVR	R	A	1,614.84
4390	PON2 Isoform 1 of Serum paraoxonase/arylesterase 2	IPI00014958,IPI00290945,IPI00742670,IPI00844348	39,380.70	290	305	LFVYDPNPPSSEVLR	K	I	1,846.93
4391	UFD1L Isoform Short of Ubiquitin fusion degradation protein 1 homolog	IPI00218292,IPI00655754,IPI00873326	34,483.20	290	301	FVAFSGEGQSLR	R	K	1,297.65
4392	RARS Isoform Complexed of Arginyl-tRNA synthetase, cytoplasmic	IPI00004860	75,364.00	290	300	AYQCVVLLQGK	R	N	1,278.69
4393	GSPT1 G1 to S phase transition 1 isoform 2	IPI00909083,IPI00910513	68,555.00	290	300	HFTILDAPGHK	K	S	1,235.65
4394	PFKP 6-phosphofructokinase type C	IPI00009790	85,579.40	290	301	ELVVTQLGYDTR	K	V	1,393.73
4395	HSPD1 60 kDa heat shock protein, mitochondrial	IPI00784154	61,037.70	291	301	LKVGLQVVAVK	R	A	1,153.77
4396	ALDH3A2 Isoform 1 of Fatty aldehyde dehydrogenase	IPI00333619,IPI00394758	54,831.80	291	299	ILSLEGGK	R	I	1,000.60
4397	DBR1 Isoform 1 of Lariat debranching enzyme	IPI00305545	61,538.00	291	301	ATDDLINVTGR	R	L	1,174.61
4398	TKT cDNA FLJ54957, highly similar to Transketolase	IPI00643920	68,725.40	291	310	KILATPPQEDAPSVDIANIR	K	M	2,148.17
4399	IGF2BP1 Insulin-like growth factor 2 mRNA-binding protein 1	IPI00008557	63,438.30	291	297	LIGKEGR	R	N	772.4677
4400	IGF2BP3 Isoform 1 of Insulin-like growth factor 2 mRNA-binding protein 3	IPI00658000	63,702.90	291	297	LIGKEGR	R	N	772.4677
4401	KPNA6 cDNA FLJ53229, highly similar to Importin alpha-7 subunit	IPI00747764	60,563.50	292	303	IQAVIDSGVCRR	K	L	1,373.73
4402	TKT cDNA FLJ54957, highly similar to Transketolase	IPI00643920	68,725.40	292	310	ILATPPQEDAPSVDIANIR	K	M	2,020.07
4403	SF3A3 Splicing factor 3A subunit 3	IPI00029764	58,833.30	292	303	SLESLDTSLFAK	K	N	1,310.68
4404	KPNA6 cDNA FLJ53229, highly similar to Importin alpha-7 subunit	IPI00747764	60,563.50	292	302	IQAVIDSGVCR	K	R	1,217.63
4405	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	292	306	NPDDITQEEYGEFYK	R	S	1,847.80
4406	MAT2B Isoform 1 of Methionine adenosyltransferase 2 subunit beta	IPI00002324	37,533.60	292	308	NAQLDCSKLETLGIGQR	R	T	1,902.97
4407	NDNL2 Melanoma-associated antigen G1	IPI00217104	34,291.10	293	304	ARQPSPGAPSS	R	-	1,151.58
4408	LRRCS9 Leucine-rich repeat-containing protein 59	IPI00396321	34,913.40	293	307	RHEILQWVLQTDSSQ	R	-	1,880.96
4409	HSPD1 60 kDa heat shock protein, mitochondrial	IPI00784154	61,037.70	293	301	VGLQVVAVK	K	A	912.5877
4410	HSPD1 60 kDa heat shock protein, mitochondrial	IPI00784154	61,037.70	293	301	VGLQVVAVK	K	A	912.5877

4411	USO1 Putative uncharacterized protein DKFZp451D234	IPI00031583	109,171.10	293	309	VLVSPTNPPGATSSCQK	R	A	1,742.87
4412	CCT7 T-complex protein 1 subunit eta	IPI00018465	59,349.80	293	306	LPIGDVATQYFADR	K	D	1,565.80
4413	PFKL Isoform 1 of 6-phosphofructokinase, liver type	IPI00332371,IPI00902982	85,001.20	293	301	VTVLGHVQR	R	G	1,008.59
4414	PRPSAP2 Phosphoribosyl pyrophosphate synthetase-associated protein 2	IPI00003168	40,908.60	293	308	IFVMATHGLSSDAPR	K	R	1,730.89
4415	SMU1 WD40 repeat-containing protein SMU1	IPI00305833	57,526.80	293	300	IQSGQCLR	K	R	961.4885
4416	UBAP2L Isoform 2 of Ubiquitin-associated protein 2- like	IPI00029019,IPI00181306,IPI00514856,IPI00646016	104,959.10	293	301	IDLAVLLGK	R	T	941.6032
4417	UBAC2 Isoform 2 of Ubiquitin-associated domain- containing protein 2	IPI00007034,IPI00168284,IPI00829996	34,858.90	294	309	ASNNDLNVATNFLQHQ	R	-	1,770.88
4418	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IPI00290770,IPI00553185	60,446.30	294	305	GISDLAQHYLMR	K	A	1,403.71
4419	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IPI00290770,IPI00553185	60,446.30	294	305	GISDLAQHYLMR	K	A	1,419.71
4420	GNB2L1 38 kDa protein	IPI00641950,IPI00848226	37,740.10	294	309	IIVDELKQEVISTSSK	K	A	1,789.00
4421	GNB2L1 38 kDa protein	IPI00641950,IPI00848226	37,740.10	294	309	IIVDELKQEVISTSSK	K	A	1,789.00
4422	- cDNA FLJ54408, highly similar to Heat shock 70 kDa protein 1	IPI00911039	63,907.90	294	302	LLQDFFDGR	K	D	1,110.56
4423	NONO Non-POU domain-containing octamer- binding protein	IPI00304596	54,213.60	294	304	EKLEMEEAAR	R	H	1,368.61
4424	GOT1 Aspartate aminotransferase, cytoplasmic	IPI00219029	46,230.10	294	305	ITWSNPPAQGAR	R	I	1,297.66
4425	DDX17 DEAD box polypeptide 17 isoform 1	IPI00023785,IPI00651653	80,256.00	294	304	GVEICIATPGR	R	L	1,172.61
4426	- cDNA FLJ54408, highly similar to Heat shock 70 kDa protein 1	IPI00911039	63,907.90	294	306	LLQDFFDGRDLNK	K	S	1,580.81
4427	PAICS phosphoribosylaminoimidazole carboxylase, phosphoribosylaminoimidazole succinocarboxamide synthetase isoform 1	IPI00815732	47,941.00	294	305	ACGNFGIPCELR	K	V	1,393.64
4428	LIMS1 LIM and senescent cell antigen-like- containing domain protein 1	IPI00788612,IPI00917064,IPI00917579	41,552.90	295	306	VIEGDVVSALNK	R	A	1,243.69
4429	DDX3X ATP-dependent RNA helicase DDX3X	IPI00215637	73,227.70	295	311	VRPCVVYGGADIGQQIR	R	D	1,887.99
4430	NARG1 Isoform 1 of NMDA receptor-regulated protein 1	IPI00386189	101,259.90	295	305	RLPLNFLSGEK	R	F	1,273.73
4431	GMPPA Isoform 1 of Mannose-1-phosphate quanyltransferase alpha	IPI00101782,IPI00657888	46,273.80	295	309	VAPSAVLGPNVNSIGK	K	G	1,408.82
4432	PPCS Phosphopantothenate--cysteine ligase	IPI00023987	33,988.00	295	302	IVDNLQSR	K	H	944.516
4433	VIM Vimentin	IPI00418471	53,634.60	295	304	FADLSEAANR	K	N	1,093.53
4434	IGHA1;IGHV3OR16-13 SNC66 protein	IPI00383164,IPI00386879,IPI00423460,IPI00426060,IPI00430842,IPI 00449920,IPI00644497,IPI00719233,IPI00744561	53,069.40	295	309	DASGVFTFTWTPSSGK	R	S	1,540.73
4435	NCL Nucleolin	IPI00604620	76,597.90	295	318	KQKVEGTEPTTAFNLFVGNLN K	S	S	2,696.40
4436	VEZF1 zinc finger protein 161	IPI00028912,IPI00878017	56,912.00	295	306	LLSAAAYITSHLK FNK	K	T	1,316.76
4437	DNAJB1 DnaJ homolog subfamily B member 1	IPI00015947	38,027.60	295	306	RKVPGEGLPLPK	R	T	1,290.79
4438	IPO7 Importin-7	IPI00007402	119,501.50	295	306	AFAVGVQQVLLK	K	V	1,272.77
4439	PKM2 Isoform M1 of Pyruvate kinase isozymes M1/M2	IPI00220644,IPI00479186	58,044.60	295	305	GDLGIEIPA EK	R	V	1,141.61
4440	CTPS CTP synthase 1	IPI00290142	66,672.70	295	306	LLETCSIALVGK	R	Y	1,303.73
4441	ASCC1 Isoform 2 of Activating signal cointegrator 1 complex subunit 1	IPI00434390	41,210.40	295	303	YNLYTAEGK	R	Y	1,058.52
4442	FKBP4 FK506-binding protein 4	IPI00219005	51,787.90	296	313	IVSWLEYESSFSNEEAQK	K	A	2,146.00
4443	BZW1 Isoform 2 of Basic leucine zipper and W2 domain-containing protein 1	IPI00180128,IPI00785096,IPI00916112,IPI00916503,IPI00918019	40,522.00	296	302	IVVLFYK	K	A	881.5495
4444	EIF4A1 Eukaryotic initiation factor 4A-I	IPI00025491,IPI00871852	46,137.30	296	311	DFTVSAMHGDMQKER	R	D	1,898.80
4445	CCT6A T-complex protein 1 subunit zeta	IPI00027626,IPI00552590	58,007.30	296	307	GIDPFSLDALSK	K	E	1,262.66
4446	MCM6 DNA replication licensing factor MCM6	IPI00031517	92,872.60	296	309	LVFLACCVAPTNPR	R	F	1,617.82
4447	PM20D2 Peptidase M20 domain-containing protein 2	IPI00217852	47,758.70	296	308	AAALASGCTVEIK	R	G	1,290.67
4448	ATG3 Isoform 1 of Autophagy-related protein 3	IPI00022254	35,846.20	296	310	FVQAVIPTIEYDYTR	K	H	1,814.93

4449	SLC25A3 Isoform A of Phosphate carrier protein, mitochondrial	IPI00022202,IPI00215777,IPI00790115	40,077.90	296	305	GSSASLVLR	K	L	1,017.61
4450	UNG Isoform 2 of Uracil-DNA glycosylase	IPI00011069	34,627.40	296	302	TNELLQK	K	S	845.4728
4451	DNAJB1 DnaJ homolog subfamily B member 1	IPI00015947	38,027.60	296	306	KVPGEGLPLPK	R	T	1,134.69
4452	SNX6 sorting nexin 6 isoform b	IPI00298111	47,787.80	296	309	VSADEDLKLSDLLK	R	Y	1,545.84
4453	ILK Integrin-linked protein kinase	IPI00013219	51,401.70	297	303	FALDMAR	K	G	823.4131
4454	PDLIM1 PDZ and LIM domain protein 1	IPI00010414	36,053.30	297	309	GHFFVEDQIYCEK	K	H	1,671.75
4455	TARS Threonyl-tRNA synthetase, cytoplasmic	IPI00329633,IPI00908949	83,419.80	297	306	IYGISFPDPK	R	M	1,136.60
4456	FLOT1 Flotillin-1	IPI00027438	47,336.80	297	317	LAEAEKSQLIMQAEAEAASVR	R	M	2,261.14
4457	CORO1C Coronin-1C_i3 protein	IPI00867509	58,930.80	297	304	QLALWNP	R	N	969.5517
4458	RBBP4 Histone-binding protein RBBP4	IPI00328319,IPI00645329	47,637.80	297	304	TVALWDLR	K	N	973.5466
4459	PSMD3 26S proteasome non-ATPase regulatory subunit 3	IPI00011603	60,961.60	297	306	AIQLEYSEAR	K	R	1,179.60
4460	PDE12 Isoform 1 of 2',5'-phosphodiesterase 12	IPI00174390,IPI00886797	67,333.70	297	314	TVSYNILADTYAQTEFSR	R	T	2,079.00
4461	SLC30A7 Zinc transporter 7	IPI00302605,IPI00646270,IPI00843795	41,608.80	297	311	TPLLENSLPQCYQR	R	V	1,815.91
4462	LCP1 Plastin-2	IPI00010471	70,274.10	298	326	AYYHLLQVAPKGDDEGVPAV VIDMSGLR	K	E	3,172.60
4463	NOP5/NOP58 Nucleolar protein 5	IPI00006379	59,562.20	298	310	LIAHAGSLLNLAK	R	H	1,320.80
4464	NOP5/NOP58 Nucleolar protein 5	IPI00006379	59,562.20	298	310	LIAHAGSLLNLAK	R	H	1,320.80
4465	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	298	306	NMMAACDPR	K	H	1,081.42
4466	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	298	306	NMMAACDPR	K	H	1,065.43
4467	TUBB Tubulin beta chain	IPI00011654	49,652.60	298	306	NMMAACDPR	K	H	1,081.42
4468	TUBB Tubulin beta chain	IPI00011654	49,652.60	298	306	NMMAACDPR	K	H	1,065.43
4469	TUBB2A Tubulin beta-2A chain	IPI00013475,IPI00031370	49,889.10	298	306	NMMAACDPR	K	H	1,081.42
4470	TUBB2A Tubulin beta-2A chain	IPI00013475,IPI00031370	49,889.10	298	306	NMMAACDPR	K	H	1,065.43
4471	DRG2 Developmentally-regulated GTP-binding protein 2	IPI00022697,IPI00794194	40,729.80	298	310	GQRPDFDAILLR	R	K	1,501.81
4472	CLTC Isoform 1 of Clathrin heavy chain 1	IPI00024067,IPI00455383	191,600.90	298	320	ISGETIFVTAPHEATAGIIVNR	R	K	2,353.25
4473	TXLNA Alpha-taxilin	IPI00470779	61,873.20	298	308	LRQENMELAER	K	L	1,404.69
4474	ILF3 Isoform 1 of Interleukin enhancer-binding factor 3	IPI00298788	95,320.90	298	308	EATDAIGHLDR	K	Q	1,197.59
4475	PCBP1 Poly(rC)-binding protein 1	IPI00016610	37,480.20	298	306	QGANINEIR	R	Q	1,014.53
4476	GDI2 cDNA FLJ60299, highly similar to Rab GDP dissociation inhibitor beta	IPI00031461	51,138.50	298	303	VGQVIR	K	V	671.4199
4477	FASN Fatty acid synthase	IPI00026781	273,382.00	299	310	VGDPQELNGITR	K	A	1,298.67
4478	EIF3I Eukaryotic translation initiation factor 3 subunit I	IPI00012795	36,484.00	299	310	SYSSGGEDGYVR	K	I	1,276.54
4479	SFPQ Isoform Long of Splicing factor, proline- and glutamine-rich	IPI00010740	76,131.50	299	315	LFVGNLPADITEDEFKR	R	L	1,964.01
4480	TCP1 T-complex protein 1 subunit alpha	IPI00290566	60,327.20	299	309	YFVEAGAMAVR	K	R	1,213.60
4481	MARS Methionyl-tRNA synthetase, cytoplasmic	IPI00008240	101,099.50	300	321	LRQWNTLYLCGTDEYGTATE TK	R	A	2,620.24
4482	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	70,881.80	300	311	ARFEELNADLFR	R	G	1,480.75
4483	PLS1 Plastin-1	IPI00032304,IPI00789401	70,338.30	300	311	AYFHLLNQIAPK	R	G	1,414.78
4484	HNRNPA2B1 43 kDa protein	IPI00874030	43,234.30	300	327	GFGDGYNGYGGGPGGGNFG GSPGYGGGR	R	G	2,495.04
4485	PABPC1 Isoform 1 of Polyadenylate-binding protein 1	IPI00008524	70,653.30	300	311	NLDDGIDDERLR	K	K	1,430.69
4486	EEF2 Elongation factor 2	IPI00186290	95,322.10	300	308	VFDAIMNFK	K	K	1,084.55
4487	LDHB L-lactate dehydrogenase B chain	IPI00219217	36,620.60	300	308	GLTSVINQK	R	L	959.5521
4488	PABPC1 Isoform 1 of Polyadenylate-binding protein 1	IPI00008524	70,653.30	300	309	NLDDGIDDER	K	L	1,161.50
4489	SNRNP40 cDNA FLJ56825, highly similar to WD repeat protein 57	IPI00006723	44,498.40	300	317	IAAGSADRFBVYVWDTTSR	K	R	2,015.00
4490	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	300	311	ARFEELCSDLFR	R	S	1,542.74

4491	HNRNPF Heterogeneous nuclear ribonucleoprotein F	IPI00003881	45,653.80	300	316	ATENDIYNFFSPLNPVR	K	V	1,996.98
4492	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	300	316	ATENDIYNFFSPLNPVR	R	V	1,996.98
4493	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	300	316	ATENDIYNFFSPLNPVR	R	V	1,996.98
4494	SGTA Small glutamine-rich tetratricopeptide repeat-containing protein alpha	IPI00013949	34,045.90	301	313	SRTPSASNDDQQE	R	-	1,434.61
4495	SGTA Small glutamine-rich tetratricopeptide repeat-containing protein alpha	IPI00013949	34,045.90	301	313	SRTPSASNDDQQE	R	-	1,434.61
4496	KPNA2;LOC728860 Importin subunit alpha-2	IPI00002214,IPI00789457	57,844.50	301	315	LLGASELPIVTPALR	K	A	1,549.93
4497	PLS3 plastin 3	IPI00216694	70,795.90	301	312	AYFHLLNQIAPK	K	G	1,414.78
4498	P4HB Protein disulfide-isomerase	IPI00010796	57,100.10	301	308	ILEFFGLK	R	K	966.566
4499	GNL3L Guanine nucleotide-binding protein-like 3-like protein	IPI00005132,IPI00871959	65,555.30	301	320	LLDAPGIVPGPNSSEVGTILR	R	N	2,018.13
4500	AOF2 Isoform 2 of Lysine-specific histone demethylase 1	IPI00217540,IPI00456631	95,137.70	301	315	VIIIGSGVSGLAAAR	K	Q	1,383.83
4501	MCCC1 Methylcrotonoyl-CoA carboxylase subunit alpha, mitochondrial	IPI00024580,IPI00792499	80,455.60	302	308	LGEEAAVR	K	A	715.4097
4502	SERPINB1 Leukocyte elastase inhibitor	IPI00027444	42,725.80	302	311	ADLSGMSGAR	K	D	980.4467
4503	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	70,881.80	302	311	FEELNADLFR	R	G	1,253.62
4504	PFKP 6-phosphofructokinase type C	IPI00009790	85,579.40	302	310	VTILGHVQR	R	G	1,022.61
4505	CAMK2D Isoform Delta 6 of Calcium/calmodulin-dependent protein kinase type II delta chain	IPI00172636,IPI00430291,IPI00827573,IPI00827625,IPI00876923	54,111.10	302	312	GAILTTMLATR	K	N	1,147.65
4506	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	302	311	FEELCSDLFR	R	S	1,315.60
4507	PPCS Phosphopantothenate--cysteine ligase	IPI00023987	33,988.00	303	311	HTAFIGDRN	R	-	1,030.51
4508	SNX17 Sorting nexin-17	IPI00014219	52,883.60	303	309	LPGQQLR	R	E	811.4786
4509	PRPF6 Pre-mRNA-processing factor 6	IPI00305068	106,909.70	303	317	ETNPHPPAWIASAR	R	L	1,683.84
4510	BZW1 Isoform 2 of Basic leucine zipper and W2 domain-containing protein 1	IPI00180128,IPI00785096,IPI00916112,IPI00916503,IPI00918019	40,522.00	303	313	AEVLSEEPILK	K	W	1,227.68
4511	PSMD13 proteasome 26S non-ATPase subunit 13 isoform 2	IPI00375380,IPI00549672	42,924.90	304	315	ITVNEVELLMK	K	A	1,403.78
4512	UGP2 Isoform 1 of UTP--glucose-1-phosphate uridylyltransferase	IPI00329331,IPI00395676,IPI00873223	56,924.00	304	312	LVEIAQVPK	R	A	996.6089
4513	ILK Integrin-linked protein kinase	IPI00013219	51,401.70	304	317	GMAFLHTLEPLIPR	R	H	1,610.87
4514	LAP3 Isoform 1 of Cytosol aminopeptidase	IPI00419237,IPI00789806	56,149.70	304	321	ADMGGAATCSAIVSAK	R	L	1,709.82
4515	GDI2 cDNA FLJ60299, highly similar to Rab GDP dissociation inhibitor beta	IPI00031461	51,138.50	304	313	VICILSHPIK	R	N	1,179.69
4516	NCAPH Condensin complex subunit 2	IPI00299507	82,547.10	304	313	APLQQCAEDR	K	Q	1,187.55
4517	TMPO Isoform Beta of Lamina-associated polypeptide 2, isoforms beta/gamma	IPI00030131	50,653.40	304	319	HASPILPITEFSDIPR	K	R	1,792.96
4518	HSPA4L Heat shock 70 kDa protein 4L	IPI00295485,IPI00828021	94,470.40	304	316	AQFEQLCASLLAR	R	V	1,506.77
4519	ALDOA Fructose-bisphosphate aldolase A	IPI00465439	39,402.60	305	312	ALQASALK	R	A	801.4829
4520	NONO Non-POU domain-containing octamer-binding protein	IPI00304596	54,213.60	305	313	HEHQVMLMR	R	Q	1,196.57
4521	DDX17 DEAD box polypeptide 17 isoform 1	IPI00023785,IPI00651653	80,256.00	305	313	LIDFLESGK	R	T	1,021.56
4522	DDX17 DEAD box polypeptide 17 isoform 1	IPI00023785,IPI00651653	80,256.00	305	313	LIDFLESGK	R	T	1,021.56
4523	DDX17 DEAD box polypeptide 17 isoform 1	IPI00023785,IPI00651653	80,256.00	305	313	LIDFLESGK	R	T	1,021.56
4524	ABCF2 ATP-binding cassette sub-family F member 2	IPI00005045,IPI00068506	71,274.50	305	315	YYTGNVDQYVK	K	T	1,413.63
4525	GNB2 Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-2	IPI00003348	37,313.80	305	314	AGVLAGHDNR	R	V	1,009.52
4526	GNB1 Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1	IPI00026268	37,359.50	305	314	AGVLAGHDNR	R	V	1,009.52
4527	CSDE1 Isoform Long of Cold shock domain-containing protein E1	IPI00470891,IPI00844264,IPI00873244	88,867.00	306	317	SKVTLLEGDHVR	K	F	1,353.75
4528	HNRNPK Isoform 1 of Heterogeneous nuclear ribonucleoprotein K	IPI00216049,IPI00216746,IPI00807545,IPI00910458	50,960.50	306	316	NLPLPPPPPPR	R	G	1,194.70
4529	PPP4R2 55 kDa protein	IPI00022904,IPI00103654	54,507.00	306	323	NKHPDEDAVEAEGHEVKR	K	L	2,059.98

4530	PRKAR1A cAMP-dependent protein kinase type I-alpha regulatory subunit	IP100021831	42,964.40	306	317	RSENEEFVEVGR	R	L	1,450.69
4531	LDHA Isoform 1 of L-lactate dehydrogenase A chain	IP100217966	36,671.20	306	315	VTLTSEEEAR	K	L	1,134.56
4532	LDHA Isoform 1 of L-lactate dehydrogenase A chain	IP100217966	36,671.20	306	315	VTLTSEEEAR	K	L	1,134.56
4533	NSUN2 tRNA (cytosine-5-)-methyltransferase	IP100306369	86,454.80	306	315	GAEQLAEGGR	R	M	987.4855
4534	HSPA4 Heat shock 70 kDa protein 4	IP100002966	94,313.90	306	316	FLEMCNDLLAR	K	V	1,397.66
4535	STIP1 Stress-induced-phosphoprotein 1	IP100013894,IP100871856	62,624.10	306	315	IGNSYFKEEK	R	Y	1,214.61
4536	DDX20 Probable ATP-dependent RNA helicase DDX20	IP100005904	92,224.10	307	321	IPFNQALVFSNLHSR	R	A	1,742.93
4537	HSP90AB1 Heat shock protein HSP 90-beta	IP100414676	83,249.30	307	319	SLTNDWEDHLAVK	K	H	1,527.74
4538	ENO1 Isoform alpha-enolase of Alpha-enolase	IP100465248	47,152.20	307	327	FTASAGIQVVGDDLTVTNPKR	K	I	2,189.16
4539	HSDL2 Isoform 2 of Hydroxysteroid dehydrogenase-like protein 2	IP100031107,IP100414384	45,378.60	307	315	SGAVEETFR	R	I	995.4792
4540	PRKAR1A cAMP-dependent protein kinase type I-alpha regulatory subunit	IP100021831	42,964.40	307	317	SENEEFVEVGR	R	L	1,294.59
4541	PCBP2 poly(rC) binding protein 2 isoform b	IP100012066,IP100790627	38,204.50	307	311	INEIR	K	Q	644.3726
4542	ENO2 Gamma-enolase	IP100216171	47,251.70	307	326	FTANVGIIQVGGDDLTVTNPK	K	R	2,102.11
4543	ENO1 Isoform alpha-enolase of Alpha-enolase	IP100465248	47,152.20	307	326	FTASAGIQVVGDDLTVTNPK	K	R	2,033.06
4544	ENO1 Isoform alpha-enolase of Alpha-enolase	IP100465248	47,152.20	307	326	FTASAGIQVVGDDLTVTNPK	K	R	2,033.06
4545	STK3 cDNA FLJ16404 fis, clone UTERU2008019, highly similar to Serine/threonine-protein kinase 3	IP100411984	59,445.20	308	316	NAKPVSILR	K	D	997.6153
4546	G3BP1 Ras GTPase-activating protein-binding protein 1	IP100012442	52,144.80	308	314	INIPPQR	R	G	837.4942
4547	CKB Creatine kinase B-type	IP100022977	42,627.10	308	314	FSEVLKR	K	L	878.5094
4548	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IP100382470,IP100784295	98,147.10	308	323	VILHLKEDQTEYLEER	K	R	2,015.04
4549	IGF2BP2 insulin-like growth factor 2 mRNA binding protein 2 isoform a	IP100179713,IP100180983,IP100743914	66,104.40	308	323	ITISSLQDLSIYNPER	K	T	1,848.97
4550	SEC13 Protein SEC13 homolog	IP100375370,IP100479141,IP100789169,IP100789755,IP100853598	35,838.00	309	325	GQGSVSASVTEGQQNEQ	K	-	1,705.76
4551	ATP6V1A V-type proton ATPase catalytic subunit A	IP100007682	68,287.40	309	323	TALVANTSNPVVAAR	R	E	1,515.79
4552	TUBA1A Tubulin alpha-1A chain	IP100180675	50,117.70	309	320	HGKYMACECLLYR	R	G	1,587.72
4553	TUBA1C Tubulin alpha-1C chain	IP100218343	49,877.40	309	320	HGKYMACECLLYR	R	G	1,587.72
4554	TUBA1B Tubulin alpha-1B chain	IP100387144,IP100792677	50,133.70	309	320	HGKYMACECLLYR	R	G	1,587.72
4555	SERPINH1 Serpin H1	IP100032140	46,424.00	309	319	GVVEVTHDLQK	K	H	1,224.66
4556	CDC123 Cell division cycle protein 123 homolog	IP100005670	39,118.10	309	321	DFVDLSTGEDAHK	K	L	1,433.65
4557	ILF3 Isoform 1 of Interleukin enhancer-binding factor 3	IP100298788	95,320.90	309	323	QQREDITQSAQHALR	R	L	1,780.91
4558	HOXD13 homeobox D13	IP100793525,IP100871270	36,083.20	309	318	ISAATNLSEER	R	Q	1,061.56
4559	LDHB L-lactate dehydrogenase B chain	IP100219217	36,620.60	309	319	LKDDEVAQLKK	K	S	1,286.73
4560	- cDNA FLJ52712, highly similar to Tubulin beta-6 chain	IP100908469	46,683.90	309	322	NSSYFVEWIPNNVK	K	V	1,696.83
4561	CTPS CTP synthase 1	IP100290142	66,672.70	310	319	FDSYASVIK	K	A	1,116.56
4562	RBMX Heterogeneous nuclear ribonucleoprotein G	IP100304692	42,315.70	310	317	YDDYSSSR	R	D	992.3955
4563	TOMM40 Isoform 1 of Mitochondrial import receptor subunit TOM40 homolog	IP100014053	37,875.10	310	315	ANLLFK	K	G	705.4294
4564	SERBP1 Isoform 1 of Plasminogen activator inhibitor 1 RNA-binding protein	IP100410693,IP100412714,IP100470497,IP100470498	44,947.80	310	321	KPNEGADGQWKK	R	G	1,357.69
4565	TUBB2A Tubulin beta-2A chain	IP100013475,IP100031370	49,889.10	310	318	YLTVAEIFR	R	G	1,053.61
4566	TUBB2C Tubulin beta-2C chain	IP100007752	49,812.70	310	318	YLTVAAVFR	R	G	1,039.59
4567	TUBB2C Tubulin beta-2C chain	IP100007752	49,812.70	310	318	YLTVAAVFR	R	G	1,039.59
4568	TUBB2C Tubulin beta-2C chain	IP100007752	49,812.70	310	318	YLTVAAVFR	R	G	1,039.59
4569	TUBB Tubulin beta chain	IP100011654	49,652.60	310	318	YLTVAAVFR	R	G	1,039.59
4570	TUBB Tubulin beta chain	IP100011654	49,652.60	310	318	YLTVAAVFR	R	G	1,039.59
4571	TUBB Tubulin beta chain	IP100011654	49,652.60	310	318	YLTVAAVFR	R	G	1,039.59

4572	RARS Isoform Complexed of Arginyl-tRNA synthetase, cytoplasmic	IPI00004860	75,364.00	310	321	LICDVSRQELNK	K	I	1,474.77
4573	SERBP1 Isoform 1 of Plasminogen activator inhibitor 1 RNA-binding protein	IPI00410693,IPI00412714,IPI00470497,IPI00470498	44,947.80	310	320	KPNEGADGQWK	R	K	1,229.59
4574	TOR1AIP1 Putative uncharacterized protein TOR1AIP1	IPI00792065	66,301.60	310	322	SELGNQSPSTSSR	K	Q	1,349.63
4575	PLD3 Phospholipase D3	IPI00328243	54,688.00	310	319	ALLNVVDNAR	K	S	1,084.61
4576	IGF2BP1 Insulin-like growth factor 2 mRNA-binding protein 1	IPI00008557	63,438.30	310	325	ITISSLQDLTLYNPER	K	T	1,862.99
4577	TNPO3 Isoform 2 of Transportin-3	IPI00395694,IPI00455125,IPI00455127,IPI00872398	104,186.30	310	322	IVCTPGQGLGDLR	K	T	1,385.72
4578	GAPDH Glyceraldehyde-3-phosphate dehydrogenase	IPI00219018	36,035.30	310	323	LISWYDNEFGYSNR	K	V	1,763.80
4579	ATP5B ATP synthase subunit beta, mitochondrial	IPI00303476	56,542.50	311	324	FTQAGSEVSALLGR	R	I	1,435.75
4580	YARS Tyrosyl-tRNA synthetase, cytoplasmic	IPI00007074	59,127.10	311	319	NSVEVALNK	K	L	973.5312
4581	TKT cDNA FLJ54957, highly similar to Transketolase	IPI00643920	68,725.40	311	318	MPSLPSYK	R	V	938.4653
4582	PLS1 Plastin-1	IPI00032304,IPI00789401	70,338.30	312	334	GGEDGPAIAIDLSGINETNDLKR	K	A	2,355.18
4583	TUBA1A Tubulin alpha-1A chain	IPI00180675	50,117.70	312	320	YMACCLLYR	K	G	1,249.55
4584	TUBA1A Tubulin alpha-1A chain	IPI00180675	50,117.70	312	320	YMACCLLYR	K	G	1,249.55
4585	TUBA1C Tubulin alpha-1C chain	IPI00218343	49,877.40	312	320	YMACCLLYR	K	G	1,249.55
4586	TUBA1B Tubulin alpha-1B chain	IPI00387144,IPI00792677	50,133.70	312	320	YMACCLLYR	K	G	1,249.55
4587	G3BP2 Isoform A of Ras GTPase-activating protein-binding protein 2	IPI00009057,IPI00179890	54,102.30	312	323	GDMEQNDSNRR	R	I	1,436.58
4588	ATIC Bifunctional purine biosynthesis protein PURH	IPI00289499	64,598.50	312	331	MSSFGDFVALSDVCDVPTAK	R	I	2,161.98
4589	FAM54B cDNA FLJ55391	IPI00071826,IPI00645882	35,260.70	312	322	KFALKEEDISR	R	K	1,335.73
4590	ILF3 Isoform 1 of Interleukin enhancer-binding factor 3	IPI00298788	95,320.90	312	323	EDITQSAQHALR	R	L	1,368.69
4591	TRIM28 Isoform 1 of Transcription intermediary factor 1-beta	IPI00438229,IPI00438230	88,531.00	312	327	VLVNDAAQKVTEGQQR	R	L	1,813.94
4592	LARP5 La-related protein 5	IPI00827634,IPI00847241	80,535.10	312	321	AIAINTFLPK	K	N	1,087.65
4593	GNL3 Isoform 2 of Guanine nucleotide-binding protein-like 3	IPI00003886,IPI00306380	60,527.60	312	335	SPASIEVVKPMEAASAILSQADAR	R	Q	2,457.27
4594	RIC8A resistance to inhibitors of cholinesterase 8 homolog A	IPI00100106,IPI00746360,IPI00749304	60,354.80	312	319	ALLIFLEK	R	R	946.5973
4595	RPA1 Replication protein A 70 kDa DNA-binding subunit	IPI00020127	68,121.00	312	324	SKDSLVDIIGICK	K	S	1,447.78
4596	IMPDH2 Inosine-5'-monophosphate dehydrogenase 2	IPI00291510	55,788.40	312	322	NLIDAGVDALR	K	V	1,156.63
4597	PDLIM1 PDZ and LIM domain protein 1	IPI00010414	36,053.30	313	329	ERVTPPEGYEVTVFPK	R	-	1,947.02
4598	EIF3F HCG1784554, isoform CRA_a	IPI00654777	39,128.50	313	321	VSADNTVGR	K	F	918.4639
4599	FAM54B cDNA FLJ55391	IPI00071826,IPI00645882	35,260.70	313	322	FALKEEDISR	K	K	1,207.63
4600	CDC5L Cell division cycle 5-like protein	IPI00465294,IPI00909093	92,236.10	313	321	VGQASEIAR	K	Q	930.5003
4601	EIF2B3 Isoform 1 of Translation initiation factor eIF-2B subunit gamma	IPI00006504	50,223.30	313	324	VSTLGLYMEANR	R	Q	1,353.68
4602	PABPC4 Isoform 1 of Polyadenylate-binding protein 4	IPI00012726,IPI00555747,IPI00642904,IPI00642944	70,765.80	313	324	EFSFPGSITSAK	K	V	1,270.63
4603	MAT2B Isoform 1 of Methionine adenosyltransferase 2 subunit beta	IPI00002324	37,533.60	313	327	IGIKESLWPFLLIDKR	R	W	1,815.05
4604	TALDO1 Transaldolase	IPI00744692	37,523.70	314	324	KFAADAVKLER	R	M	1,247.71
4605	RBM4 Isoform 1 of RNA-binding protein 4	IPI00003704	40,296.20	314	341	ATAPVPTVGGEGYGYGHESEL	R	N	2,776.32
4606	RBM4 Isoform 1 of RNA-binding protein 4	IPI00003704	40,296.20	314	341	SQASAAAR ATAPVPTVGGEGYGYGHESEL	R	N	2,776.32
4607	RPA1 Replication protein A 70 kDa DNA-binding subunit	IPI00020127	68,121.00	314	324	SQASAAAR DSLVDIIGICK	K	S	1,232.66
4608	PDLIM1 PDZ and LIM domain protein 1	IPI00010414	36,053.30	315	329	VTPPEGYEVTVFPK	R	-	1,661.88
4609	PCCA propionyl-Coenzyme A carboxylase, alpha polypeptide isoform a precursor	IPI00744115,IPI00796978,IPI00895869	80,041.20	315	325	AMGEQAVALAR	R	A	1,116.58

4610	KPNA6 cDNA FLJ53229, highly similar to Importin alpha-7 subunit	IPI00747764	60,563.50	315	321	VASPALR	K	A	713.4304
4611	DDX47 Probable ATP-dependent RNA helicase DDX47	IPI00023972,IPI00397372	50,630.40	315	325	SILLATDVASR	R	G	1,145.65
4612	TALDO1 Transaldolase	IPI00744692	37,523.70	315	324	FAADAVKLER	K	M	1,119.62
4613	CCDC86 Coiled-coil domain-containing protein 86	IPI00012199	40,218.10	315	323	KADEVVQVIR	R	N	1,041.64
4614	PCBP1 Poly(rC)-binding protein 1	IPI00016610	37,480.20	315	325	IANPVEGSSGR	K	Q	1,086.55
4615	NUDC Nuclear migration protein nudC	IPI00550746	38,225.70	316	327	FMDQHPEMDFSK	K	A	1,543.62
4616	HSDL2 Isoform 2 of Hydroxysteroid dehydrogenase-like protein 2	IPI00031107,IPI00414384	45,378.60	316	327	IVKDSLSDDVVK	R	A	1,317.73
4617	PSMD13 proteasome 26S non-ATPase subunit 13 isoform 2	IPI00375380,IPI00549672	42,924.90	316	323	ALSVGLVK	K	G	786.5084
4618	TOMM40 Isoform 1 of Mitochondrial import receptor subunit TOM40 homolog	IPI00014053	37,875.10	316	330	GSVDSNWIVGATLEK	K	K	1,575.80
4619	DDX3X ATP-dependent RNA helicase DDX3X	IPI00215637	73,227.70	316	326	GCHLLVATPGR	R	L	1,180.63
4620	EIF2S2 Eukaryotic translation initiation factor 2 subunit 2	IPI00021728	38,371.70	316	324	TGFQAVTGK	K	R	908.4837
4621	STIP1 Stress-induced-phosphoprotein 1	IPI00013894,IPI00871856	62,624.10	316	325	YKDAIHFNK	K	S	1,298.65
4622	CUL4B Isoform 1 of Cullin-4B	IPI00179057,IPI00480142,IPI00643885	102,285.90	316	323	AHIISDQK	R	V	911.4946
4623	THOC6 Isoform 1 of THO complex subunit 6 homolog	IPI00328985,IPI00641826	37,517.00	316	325	VLTAAGNSCR	K	V	1,048.52
4624	XRCC5 ATP-dependent DNA helicase 2 subunit 2	IPI00220834,IPI00871391	82,689.10	316	325	YGSDIVPFSK	R	V	1,112.56
4625	XRCC5 ATP-dependent DNA helicase 2 subunit 2	IPI00220834,IPI00871391	82,689.10	316	332	YGSDIVPFSKVDDEEQMK	R	Y	1,987.93
4626	HNRNPK Isoform 1 of Heterogeneous nuclear ribonucleoprotein K	IPI00216049,IPI00216746,IPI00807545,IPI00910458	50,960.50	317	326	GGDLMAYDRR	R	G	1,169.54
4627	C12orf10 UPF0160 protein MYG1	IPI00029444,IPI00304163,IPI00796436,IPI00797519	42,428.00	317	324	LPLPEPWR	R	G	1,007.57
4628	CALD1 Isoform 5 of Caldesmon	IPI00333771	61,195.30	317	324	VLEEEQR	K	R	1,031.50
4629	CTTN Src substrate cortactin	IPI00029601	61,567.40	317	336	MDKNASTFEDVTQVSSAYQK	R	T	2,249.04
4630	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	317	326	VHIEIGPDGR	R	V	1,092.58
4631	HNRNPH2 Heterogeneous nuclear ribonucleoprotein H2	IPI00026230	49,246.10	317	326	VHIEIGPDGR	R	V	1,092.58
4632	TRAP1 Heat shock protein 75 kDa, mitochondrial	IPI00030275,IPI00646055	80,094.90	317	326	YVAQAHDKPR	R	Y	1,184.62
4633	RUVBL1 Isoform 1 of RuvB-like 1	IPI00021187	50,211.40	318	333	ALESSIAPVIFASNR	R	G	1,687.94
4634	SMU1 WD40 repeat-containing protein SMU1	IPI00305833	57,526.80	318	332	DSSQLSASFDTIR	K	I	1,667.82
4635	EIF2S3 Eukaryotic translation initiation factor 2 subunit 3	IPI00297982	51,092.20	318	342	IVSLFAEHNDLQYAAPGGLIGV	K	I	2,570.36
4636	PKD3 [Pyruvate dehydrogenase [lipoamide]] kinase isozyme 3, mitochondrial	IPI00014849,IPI00915357	46,922.70	318	332	AAPLAGFGYGLPISR	R	L	1,489.82
4637	SSB Lupus La protein	IPI00009032,IPI00916802	46,821.00	318	330	IIEDQQESLNKWK	K	S	1,630.84
4638	ALDOA Fructose-bisphosphate aldolase A	IPI00465439	39,402.60	319	331	ENLKAAQEEYVKR	K	A	1,577.83
4639	CSTF3 Cleavage stimulation factor 77 kDa subunit	IPI00015195	82,906.20	319	330	LFSDEAANIYER	K	A	1,427.68
4640	LDHA Isoform 1 of L-lactate dehydrogenase A chain	IPI00217966	36,671.20	319	328	SADTLWGIQK	K	E	1,118.58
4641	FKBP4 FK506-binding protein 4	IPI00219005	51,787.90	319	331	LASHLNLAMCHLK	R	L	1,507.79
4642	TCEAL4 Isoform 2 of Transcription elongation factor A protein-like 4	IPI00647163,IPI00657999,IPI00829838	40,560.50	319	327	LGAFLWMQR	K	N	1,137.59
4643	GARS Glycyl-tRNA synthetase	IPI00783097,IPI00915808	83,123.50	319	331	LPFAAAQIGNSFR	K	N	1,391.74
4644	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	320	330	HFSVEGQLEFR	K	A	1,348.66
4645	SERPINH1 Serpin H1	IPI00032140	46,424.00	320	334	HLAGLGLTEAIDKNK	K	A	1,579.88
4646	LDHB L-lactate dehydrogenase B chain	IPI00219217	36,620.60	320	329	SADTLWDIQK	K	D	1,176.59
4647	LMNA Isoform A of Lamin-A/C	IPI00021405	74,122.60	320	329	LRDLEDLAR	K	E	1,187.64
4648	USP14 Ubiquitin carboxyl-terminal hydrolase 14	IPI00219913,IPI00640357,IPI00871297,IPI00872664	56,052.30	320	330	LPAYLIQMVR	R	F	1,304.74
4649	PCBP2 poly(rC) binding protein 2 isoform b	IPI00012066,IPI00790627	38,204.50	320	330	IANPVEGSTDR	K	Q	1,158.58
4650	PCBP2 poly(rC) binding protein 2 isoform b	IPI00012066,IPI00790627	38,204.50	320	330	IANPVEGSTDR	K	Q	1,158.58
4651	PLS3 plastin 3	IPI00216694	70,795.90	321	336	IDINMSGFNETDDLKR	R	A	1,883.88

4652	NOP56 Nucleolar protein 5A	IPI00411937	66,034.00	321	333	YPASTVQILGAEK	K	A	1,376.74
4653	TUBA1A Tubulin alpha-1A chain	IPI00180675	50,117.70	321	326	GDVVVPK	R	D	614.3509
4654	TUBA1A Tubulin alpha-1A chain	IPI00180675	50,117.70	321	326	GDVVVPK	R	D	614.3509
4655	TUBA1C Tubulin alpha-1C chain	IPI00218343	49,877.40	321	326	GDVVVPK	R	D	614.3509
4656	TUBA1B Tubulin alpha-1B chain	IPI00387144,IPI00792677	50,133.70	321	326	GDVVVPK	R	D	614.3509
4657	TUBA1B Tubulin alpha-1B chain	IPI00387144,IPI00792677	50,133.70	321	326	GDVVVPK	R	D	614.3509
4658	LMNB1 Lamin-B1	IPI00217975	66,391.60	321	330	IQELEDLLAK	R	E	1,171.66
4659	KHSRP KH-type splicing regulatory protein	IPI00479786,IPI00855957	73,097.60	321	331	IGGGIDVPVPR	R	H	1,079.62
4660	CKB Creatine kinase B-type	IPI00022977	42,627.10	321	341	GTGGVDTAAVGGVFDVSNAD R	R	L	1,964.93
4661	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	321	336	MSMKEVDEQMLNVQNK	R	N	1,971.88
4662	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	321	336	MSMKEVDEQMLNVQNK	R	N	1,923.90
4663	TUBB Tubulin beta chain	IPI00011654	49,652.60	321	336	MSMKEVDEQMLNVQNK	R	N	1,971.88
4664	TUBB Tubulin beta chain	IPI00011654	49,652.60	321	336	MSMKEVDEQMLNVQNK	R	N	1,923.90
4665	TUBB2A Tubulin beta-2A chain	IPI00013475,IPI00031370	49,889.10	321	336	MSMKEVDEQMLNVQNK	R	N	1,971.88
4666	TUBB2A Tubulin beta-2A chain	IPI00013475,IPI00031370	49,889.10	321	336	MSMKEVDEQMLNVQNK	R	N	1,923.90
4667	G3BP1 Ras GTPase-activating protein-binding protein 1	IPI00012442	52,144.80	321	331	EAGEQGDIEPR	R	R	1,200.55
4668	G3BP1 Ras GTPase-activating protein-binding protein 1	IPI00012442	52,144.80	321	331	EAGEQGDIEPR	R	R	1,200.55
4669	TUBA1A Tubulin alpha-1A chain	IPI00180675	50,117.70	321	336	GDVVPKDVAIAIATIK	R	T	1,610.91
4670	TUBA1C Tubulin alpha-1C chain	IPI00218343	49,877.40	321	336	GDVVPKDVAIAIATIK	R	T	1,610.91
4671	TUBA1B Tubulin alpha-1B chain	IPI00387144,IPI00792677	50,133.70	321	336	GDVVPKDVAIAIATIK	R	T	1,610.91
4672	CCT7 T-complex protein 1 subunit eta	IPI00018465	59,349.80	322	344	TMMACGGSIQTSVNALSADV LGR	R	C	2,355.11
4673	SRP54 Signal recognition particle 54 kDa protein	IPI00009822	55,688.30	322	330	LKHGQFTLR	K	D	1,099.64
4674	RNH1 Ribonuclease inhibitor	IPI00550069	49,956.40	322	341	SCSFTAACCSHFSSVLAQNR	K	F	2,289.98
4675	RARS Isoform Complexed of Arginyl-tRNA synthetase, cytoplasmic	IPI00004860	75,364.00	322	333	IYDALDVSLIER	K	G	1,406.75
4676	CDC123 Cell division cycle protein 123 homolog	IPI00005670	39,118.10	322	327	LIDFLK	K	L	748.4605
4677	ALDOA Fructose-bisphosphate aldolase A	IPI00465439	39,402.60	323	331	AAQEEYVKR	K	A	1,093.56
4678	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	323	342	DAKLDKAKIHDLVLVGGSTR	R	I	2,136.18
4679	WDR26 Isoform 1 of WD repeat-containing protein 26	IPI00414197,IPI00645819	72,106.50	323	340	LDNNLDSVSLLDHVCSR	K	R	2,070.03
4680	GAPDH Glyceraldehyde-3-phosphate dehydrogenase	IPI00219018	36,035.30	324	334	VVDLMAHMASK	R	-	1,233.60
4681	GAPDH Glyceraldehyde-3-phosphate dehydrogenase	IPI00219018	36,035.30	324	335	VVDLMAHMASKE	R	-	1,330.65
4682	PGK1 Phosphoglycerate kinase 1	IPI00169383	44,597.30	324	330	YAEAVTR	K	A	809.4151
4683	AP2M1 Isoform 1 of AP-2 complex subunit mu-1	IPI00022256,IPI00619900,IPI00798379	49,637.70	324	339	IPTPLNTSGVQVICMK	R	G	1,773.92
4684	TLE3 Isoform 2 of Transducin-like enhancer protein 3	IPI00177938,IPI00182478,IPI00219368,IPI00221206,IPI00867718	82,204.70	324	338	NDAPTPTGTSTTPGLR	R	S	1,484.73
4685	ILF3 Isoform 1 of Interleukin enhancer-binding factor 3	IPI00298788	95,320.90	324	332	LAAFGQLHK	R	V	984.5626
4686	CPSF2 Cleavage and polyadenylation specificity factor subunit 2	IPI00419531,IPI00902580	88,471.50	325	339	VVLASQPDLCEGFSR	K	D	1,677.83
4687	HNRNPU heterogeneous nuclear ribonucleoprotein U isoform a	IPI00644079	90,567.20	325	331	ASYGVSK	R	G	711.3671
4688	EIF4A1 Eukaryotic initiation factor 4A-I	IPI00025491,IPI00871852	46,137.30	325	334	VLITTDLLAR	R	G	1,114.68
4689	RPA1 Replication protein A 70 kDa DNA-binding subunit	IPI00020127	68,121.00	325	331	SYEDATK	K	I	813.3625
4690	NCL Nucleolin	IPI00604620	76,597.90	325	342	TGISDVFAKNDLAVVDVR	K	I	1,919.02
4691	NONO Non-POU domain-containing octamer-binding protein	IPI00304596	54,213.60	325	337	RMEELHNQEVQKR	R	K	1,696.85
4692	LPCAT1 1-acylglycerophosphocholine O-acyltransferase 1	IPI00171626	59,134.80	325	336	LPADTCLLEFAR	R	L	1,405.71
4693	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	325	336	EVDEQMLNVQNK	K	N	1,462.68

4694	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	325	336	EVDEQMLNVQNK	K	N	1,462.68
4695	TUBB Tubulin beta chain	IPI00011654	49,652.60	325	336	EVDEQMLNVQNK	K	N	1,462.68
4696	TUBB Tubulin beta chain	IPI00011654	49,652.60	325	336	EVDEQMLNVQNK	K	N	1,462.68
4697	TUBB2A Tubulin beta-2A chain	IPI00013475,IPI00031370	49,889.10	325	336	EVDEQMLNVQNK	K	N	1,462.68
4698	TUBB2A Tubulin beta-2A chain	IPI00013475,IPI00031370	49,889.10	325	336	EVDEQMLNVQNK	K	N	1,462.68
4699	NONO Non-POU domain-containing octamer-binding protein	IPI00304596	54,213.60	325	336	RMEELHNQEVQK	R	R	1,540.75
4700	ACOT7 Isoform 1 of Cytosolic acyl coenzyme A thioester hydrolase	IPI00010415,IPI00219451,IPI00219452,IPI00395748	41,777.00	325	340	AASAFFTYVLSQEGR	R	S	1,733.85
4701	MCM5 DNA replication licensing factor MCM5	IPI00018350,IPI00877948,IPI00878310,IPI00878587	82,270.30	325	337	LAALPNVYEISK	R	S	1,416.81
4702	THOC6 Isoform 1 of THO complex subunit 6 homolog	IPI00328985,IPI00641826	37,517.00	326	335	VDVFTNLGYR	R	A	1,183.61
4703	EIF4A2 Isoform 1 of Eukaryotic initiation factor 4A-II	IPI00328328,IPI00409717	46,385.60	326	335	VLITDLLAR	R	G	1,114.68
4704	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	326	342	LDKAIQIHDVLVGGSTR	K	I	1,822.02
4705	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	326	342	LDKAIQIHDVLVGGSTR	K	I	1,822.02
4706	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	70,881.80	326	342	LDKSIQIHDIVLVGGSTR	K	I	1,838.01
4707	NONO Non-POU domain-containing octamer-binding protein	IPI00304596	54,213.60	326	336	MEELHNQEVQK	R	R	1,384.65
4708	GMPS GMP synthase [glutamine-hydrolyzing]	IPI00029079	76,698.70	326	336	TLNMTTSPEEK	K	R	1,266.59
4709	HSPA5 HSPA5 protein	IPI00003362	72,405.60	326	337	AKFEELNMDLFR	R	S	1,512.75
4710	PTBP1 Isoform 1 of Polypyrimidine tract-binding protein 1	IPI00179964,IPI00183626,IPI00334175	57,204.50	326	348	IAIPGLAGAGNSVLLVSNLNPE	R	V	2,275.28
4711	PSMD11 Proteasome 26S non-ATPase subunit 11 variant (Fragment)	IPI00105598	47,519.40	326	337	LYDNLLEQLIR	K	V	1,503.82
4712	HNRNPH2 Heterogeneous nuclear ribonucleoprotein H2	IPI00026230	49,246.10	327	347	VTGEADVFEFATHEDAVAAMA	R	D	2,178.00
4713	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	327	347	VTGEADVFEFATHEDAVAAMS	R	D	2,178.00
4714	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	327	347	VTGEADVFEFATHEDAVAAMS	R	D	2,194.00
4715	HNRNPF Heterogeneous nuclear ribonucleoprotein F	IPI00003881	45,653.80	327	347	VTGEADVFEFATHEEAVAAMSK	R	D	2,192.02
4716	TKT cDNA FLJ54957, highly similar to Transketolase	IPI00643920	68,725.40	327	335	KAYGQALAK	R	L	949.5466
4717	NUSAP1 Isoform 2 of Nucleolar and spindle-associated protein 1	IPI00020484	49,306.70	327	340	TITGNSAAVITPFK	K	L	1,419.78
4718	TUBA1A Tubulin alpha-1A chain	IPI00180675	50,117.70	327	336	DVNAAIATIK	K	T	1,015.58
4719	TUBA1A Tubulin alpha-1A chain	IPI00180675	50,117.70	327	336	DVNAAIATIK	K	T	1,015.58
4720	TUBA1A Tubulin alpha-1A chain	IPI00180675	50,117.70	327	336	DVNAAIATIK	K	T	1,015.58
4721	TUBA1A Tubulin alpha-1A chain	IPI00180675	50,117.70	327	336	DVNAAIATIK	K	T	1,015.58
4722	TUBA1C Tubulin alpha-1C chain	IPI00218343	49,877.40	327	336	DVNAAIATIK	K	T	1,015.58
4723	TUBA1B Tubulin alpha-1B chain	IPI00387144,IPI00792677	50,133.70	327	336	DVNAAIATIK	K	T	1,015.58
4724	TUBA1B Tubulin alpha-1B chain	IPI00387144,IPI00792677	50,133.70	327	336	DVNAAIATIK	K	T	1,015.58
4725	GNL3L Guanine nucleotide-binding protein-like 3-like protein	IPI00005132,IPI00871959	65,555.30	328	341	LADPVPVETILQR	K	C	1,551.87
4726	- cDNA FLJ54554, highly similar to Pyruvate kinase isozymes M1/M2	IPI00910979	56,255.30	328	361	AEGSDVANAVLDGADCIMLS	R	M	3,510.64
4727	PSMC3 26S protease regulatory subunit 6A	IPI00018398	49,187.00	328	344	GETAKGDYPLEAVR	K	S	1,850.09
4728	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	329	342	AQIHDVLVGGSTR	K	I	1,465.81
4729	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	329	342	AQIHDVLVGGSTR	K	I	1,465.81
4730	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	70,881.80	329	342	SQIHDIVLVGGSTR	K	I	1,481.81
4731	CAMK2D Isoform Delta 6 of Calcium/calmodulin-dependent protein kinase type II delta chain	IPI00172636,IPI00430291,IPI00827573,IPI00827625,IPI00876923	54,111.10	329	346	ESTESSNTTIEDEDVKAR	K	K	2,010.91
4732	TXLNA Alpha-taxilin	IPI00470779	61,873.20	329	340	HKDLQQQLVDAK	K	L	1,422.77
4733	EIF4A3 Eukaryotic initiation factor 4A-III	IPI00009328	46,854.40	330	339	VLISTDVWAR	R	G	1,159.65

4734	EHD1 EH domain-containing protein 1	IPI00017184	60,611.10	330	341	ELVNNLGEIYQK	K	I	1,419.75
4735	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IPI00290770,IPI00553185	60,446.30	330	353	IVSRPEELREDDVGTGAGLLE	R	I	2,624.43
4736	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IPI00290770,IPI00553185	60,446.30	330	353	IVSRPEELREDDVGTGAGLLE	R	I	2,624.43
4737	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IPI00290770,IPI00553185	60,446.30	330	352	IVSRPEELREDDVGTGAGLLE	R	K	2,496.33
4738	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IPI00290770,IPI00553185	60,446.30	330	352	IVSRPEELREDDVGTGAGLLE	R	K	2,496.33
4739	DDX17 DEAD box polypeptide 17 isoform 1	IPI00023785,IPI00651653	80,256.00	330	340	MLDMGFPEQIR	R	K	1,352.63
4740	RBM39 Isoform 1 of RNA-binding protein 39	IPI00163505,IPI00215801	59,363.40	330	346	TDASSASSFLDSDELER	R	T	1,829.80
4741	IGF2BP1 Insulin-like growth factor 2 mRNA-binding protein 1	IPI00008557	63,438.30	331	338	GAIENCCR	K	A	979.4085
4742	FSCN1 Fascin	IPI00163187,IPI00747810	54,512.30	331	341	NASCYFDIEWR	K	D	1,460.63
4743	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	331	337	ALLFIPR	R	R	829.5295
4744	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	331	337	ALLFIPR	R	R	829.5295
4745	ALDOA Fructose-bisphosphate aldolase A	IPI00465439	39,402.60	331	342	RALANSLACQGK	K	Y	1,288.68
4746	ADD1 Isoform 1 of Alpha-adducin	IPI00019901,IPI00220158,IPI000376220	80,937.90	331	348	TLASAGGPDNLVLLNPEK	R	Y	1,808.98
4747	FKBP4 FK506-binding protein 4	IPI00219005	51,787.90	332	344	LQAFSAAIESCNK	K	A	1,438.70
4748	PABPC1 Isoform 1 of Polyadenylate-binding protein 1	IPI00008524	70,653.30	332	348	SKGFGFVCFSSPEEATK	R	A	1,877.87
4749	PABPC4 Isoform 1 of Polyadenylate-binding protein 4	IPI00012726,IPI00555747,IPI00642904,IPI00642944	70,765.80	332	348	SKGFGFVCFSSPEEATK	R	A	1,877.87
4750	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	332	348	HSQFIGYPITLFVEKER	K	D	2,064.09
4751	PELO Protein pelota homolog	IPI00106698	43,358.40	332	344	LVDSVKENAGTVR	R	I	1,387.75
4752	PGD 6-phosphogluconate dehydrogenase, decarboxylating	IPI00219525,IPI00747533	53,123.90	332	343	IISYAQGFMLLR	K	Q	1,427.77
4753	DDX5 Probable ATP-dependent RNA helicase DDX5	IPI00017617	69,131.70	332	343	LMEEIMSEKENK	R	T	1,512.69
4754	HNRNPU heterogeneous nuclear ribonucleoprotein U isoform a	IPI00644079	90,567.20	332	339	GKVCFEMK	K	V	998.4799
4755	CSE1L Isoform 1 of Exportin-2	IPI00022744,IPI00219994	110,403.90	332	346	NLFEDQNTLTSICEK	K	V	1,811.85
4756	ALDOA Fructose-bisphosphate aldolase A	IPI00465439	39,402.60	332	342	ALANSLACQGK	R	Y	1,132.58
4757	EIF3CL;EIF3C Eukaryotic translation initiation factor 3 subunit C	IPI00016910,IPI00646839,IPI00873286,IPI00910003	105,329.20	333	340	LNEILQAR	K	G	956.5524
4758	ILF3 Isoform 1 of Interleukin enhancer-binding factor 3	IPI00298788	95,320.90	333	342	VLGMDPLPSK	K	M	1,056.58
4759	SERPINB6 Putative uncharacterized protein DKFZp686I04222	IPI00413451,IPI00749398	46,353.40	333	347	ADFSGMSQTDLSLSK	K	V	1,602.73
4760	GDI2 cDNA FLJ60299, highly similar to Rab GDP dissociation inhibitor beta	IPI00031461	51,138.50	333	352	KSDIYVCMISFAHNVAAGQK	R	Y	2,239.10
4761	GDI2 cDNA FLJ60299, highly similar to Rab GDP dissociation inhibitor beta	IPI00031461	51,138.50	333	352	KSDIYVCMISFAHNVAAGQK	R	Y	2,239.10
4762	PABPC1 Isoform 1 of Polyadenylate-binding protein 1	IPI00008524	70,653.30	334	348	GFGFVCFSSPEEATK	K	A	1,662.75
4763	PABPC4 Isoform 1 of Polyadenylate-binding protein 4	IPI00012726,IPI00555747,IPI00642904,IPI00642944	70,765.80	334	348	GFGFVCFSSPEEATK	K	A	1,662.75
4764	NCL Nucleolin	IPI00604620	76,597.90	334	342	NDLAVVDVR	K	I	1,000.54
4765	LCP1 Plastin-2	IPI00010471	70,274.10	334	343	AECMLQQAER	R	L	1,251.55
4766	RCC2 Protein RCC2	IPI00465044	56,066.80	334	350	DVACGANHTLVLDSQKR	R	V	1,883.94
4767	DDX3X ATP-dependent RNA helicase DDX3X	IPI00215637	73,227.70	334	342	GKIGLDFCK	R	Y	1,037.55
4768	C1orf58 BRO1 domain-containing protein BROX	IPI00065500	46,459.90	335	345	IPTEAPQLELK	K	A	1,238.70
4769	EEF1G cDNA FLJ56389, highly similar to Elongation factor 1-gamma	IPI00000875,IPI00747497	56,132.90	336	345	STFVLDEFKR	K	K	1,241.65
4770	AHCY Adenosylhomocysteinase	IPI00012007	47,699.10	336	343	IILLAAGR	R	L	884.5565
4771	DDX3X ATP-dependent RNA helicase DDX3X	IPI00215637	73,227.70	336	342	IGLDFCK	K	Y	852.4286
4772	CTPS CTP synthase 1	IPI00290142	66,672.70	336	353	YIDSADLEPITSQEEPVR	K	Y	2,062.00

4773	MTHFD1 C-1-tetrahydrofolate synthase, cytoplasmic	IPI00218342,IPI00794900	101,543.50	337	352	EIGLLSEEVERYGETK	R	A	1,808.92
4774	CNP Isoform CNPI of 2',3'-cyclic-nucleotide 3'-phosphodiesterase	IPI00220993,IPI00306667	45,082.30	337	349	GGSRGEEVGLSR	K	G	1,332.65
4775	JUP Junction plakoglobin	IPI00554711	81,727.90	337	359	VLSVCP SNKPAIVEAGGMQAL GK	K	H	2,326.23
4776	PLS3 plastin 3	IPI00216694	70,795.90	337	346	AESMLQQADK	R	L	1,136.53
4777	HNRNPA1 Isoform A1-B of Heterogeneous nuclear ribonucleoprotein A1	IPI00215965,IPI00465365	38,828.10	337	352	SSGPYGGGGQYFAKPR	R	N	1,628.78
4778	HAT1 Histone acetyltransferase type B catalytic subunit	IPI00024719	49,496.20	337	349	LLVTDMSDAEQYR	R	S	1,556.73
4779	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	337	350	NSSYFVEWIPNNVK	K	T	1,696.83
4780	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	337	350	NSSYFVEWIPNNVK	K	T	1,696.83
4781	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	337	350	NSSYFVEWIPNNVK	K	T	1,696.83
4782	TUBB Tubulin beta chain	IPI00011654	49,652.60	337	350	NSSYFVEWIPNNVK	K	T	1,696.83
4783	TUBB Tubulin beta chain	IPI00011654	49,652.60	337	350	NSSYFVEWIPNNVK	K	T	1,696.83
4784	TUBB Tubulin beta chain	IPI00011654	49,652.60	337	350	NSSYFVEWIPNNVK	K	T	1,696.83
4785	TUBB2A Tubulin beta-2A chain	IPI00013475,IPI00031370	49,889.10	337	350	NSSYFVEWIPNNVK	K	T	1,696.83
4786	TUBB2A Tubulin beta-2A chain	IPI00013475,IPI00031370	49,889.10	337	350	NSSYFVEWIPNNVK	K	T	1,696.83
4787	GNB2L1 38 kDa protein	IPI00641950,IPI00848226	37,740.10	338	346	VWQVTIGTR	R	-	1,059.59
4788	EHD4 EH domain-containing protein 4	IPI00005578	61,159.60	338	347	LPEIYQLQR	R	E	1,272.73
4789	NOP5/NOP58 Nucleolar protein 5	IPI00006379	59,562.20	338	353	YGLIYHASLVGQTSPK	K	H	1,733.92
4790	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	338	348	RAPFDLFENKK	R	K	1,364.73
4791	PAF1 Isoform 1 of RNA polymerase II-associated factor 1 homolog	IPI00300333	59,958.00	339	352	AGVQSGTNALLVVK	K	H	1,356.78
4792	DARS Aspartyl-tRNA synthetase, cytoplasmic	IPI00216951	57,118.70	339	345	FLEPTLR	K	L	875.4986
4793	XRCC5 ATP-dependent DNA helicase 2 subunit 2	IPI00220834,IPI00871391	82,689.10	339	347	CFSVLGFCK	K	S	1,117.52
4794	COPG2 Coatomer subunit gamma-2	IPI00002557	97,606.50	339	350	SIATLAITTLK	R	T	1,244.78
4795	COPG Coatomer subunit gamma	IPI00783982	97,701.40	339	350	SIATLAITTLK	R	T	1,244.78
4796	TUBA1A Tubulin alpha-1A chain	IPI00180675	50,117.70	339	352	RTIQFVDWCPTGFK	K	V	1,754.87
4797	TUBA1C Tubulin alpha-1C chain	IPI00218343	49,877.40	339	352	RTIQFVDWCPTGFK	K	V	1,754.87
4798	HNRNPU heterogeneous nuclear ribonucleoprotein U isoform a	IPI00644079	90,567.20	340	347	VTEKIPVR	K	H	941.5779
4799	HNRNPU heterogeneous nuclear ribonucleoprotein U isoform a	IPI00644079	90,567.20	340	347	VTEKIPVR	K	H	941.5779
4800	MCCC1 Methylcrotonoyl-CoA carboxylase subunit alpha, mitochondrial	IPI00024580,IPI00792499	80,455.60	340	361	LQVEHPVTEMITGTDLVEWQL R	R	I	2,610.32
4801	COPB1 Coatomer subunit beta	IPI00295851	107,128.00	340	351	TLQLALDLVSSR	K	N	1,315.76
4802	APEH Acylamino-acid-releasing enzyme	IPI00337741	81,206.00	340	350	VTSVVVDVPR	K	Q	1,169.69
4803	LTA4H Isoform 1 of Leukotriene A-4 hydrolase	IPI00219077	69,269.10	340	355	HFNALGGWGELQNSVK	R	T	1,756.88
4804	RUVBL1 Isoform 1 of RuvB-like 1	IPI00021187	50,211.40	340	357	GTEDITSPHGIPLDLLDR	R	V	1,949.00
4805	TUBA1B Tubulin alpha-1B chain	IPI00387144,IPI00792677	50,133.70	340	352	SIQFVDWCPTGFK	R	V	1,584.75
4806	TUBA1B Tubulin alpha-1B chain	IPI00387144,IPI00792677	50,133.70	340	352	SIQFVDWCPTGFK	R	V	1,584.75
4807	TUBA1A Tubulin alpha-1A chain	IPI00180675	50,117.70	340	352	TIQFVDWCPTGFK	R	V	1,598.77
4808	TUBA1A Tubulin alpha-1A chain	IPI00180675	50,117.70	340	352	TIQFVDWCPTGFK	R	V	1,598.77
4809	TUBA1C Tubulin alpha-1C chain	IPI00218343	49,877.40	340	352	TIQFVDWCPTGFK	R	V	1,598.77
4810	DNM1L Isoform 5 of Dynamin-1-like protein	IPI00037283,IPI00146935,IPI00235412,IPI00473085,IPI00555883,IPI00871742	79,093.20	340	353	FATEYCNTIEGTAK	K	Y	1,604.73
4811	DNM1L Isoform 5 of Dynamin-1-like protein	IPI00037283,IPI00146935,IPI00235412,IPI00473085,IPI00555883,IPI00871742	79,093.20	340	353	FATEYCNTIEGTAK	K	Y	1,604.73
4812	ZC3H15 Similar to DRG family regulatory protein 1	IPI00000279	49,126.30	341	354	DVDETGITVASLER	R	F	1,504.75
4813	POLD2 DNA polymerase delta subunit 2	IPI00025616,IPI00909525	51,272.00	341	354	FLGTSGQNVSDIFR	R	Y	1,540.78
4814	RARS Isoform Complexed of Arginyl-tRNA synthetase, cytoplasmic	IPI00004860	75,364.00	342	352	MNDIVKEFEDR	R	G	1,411.65
4815	PSMD13 proteasome 26S non-ATPase subunit 13 isoform 2	IPI00375380,IPI00549672	42,924.90	342	349	VLDLQGIK	R	G	956.5777
4816	PRPF6 Pre-mRNA-processing factor 6	IPI00305068	106,909.70	342	351	SEDVWLEAAR	K	L	1,175.57

4817	ILK Integrin-linked protein kinase	IPI00013219	51,401.70	342	349	FSFQCPCR	K	M	998.4513
4818	IGHA1;IGHV3OR16-13 SNC66 protein	IPI00383164,IPI00386879,IPI00423460,IPI00426060,IPI00430842,IPI00449920,IPI00644497,IPI00719233,IPI00744561	53,069.40	342	353	TFTCTAAYPESK	K	T	1,375.62
4819	RBM4 Isoform 1 of RNA-binding protein 4	IPI00003704	40,296.20	342	349	NSLYDMAR	R	Y	985.4408
4820	RBM4 Isoform 1 of RNA-binding protein 4	IPI00003704	40,296.20	342	349	NSLYDMAR	R	Y	985.4408
4821	ALDOA Fructose-bisphosphate aldolase A	IPI00465439	39,402.60	343	364	YTPSGQAGAAASESLFVSNH AY	K	-	2,228.03
4822	LAP3 Isoform 1 of Cytosol aminopeptidase	IPI00419237,IPI00789806	56,149.70	343	351	ANKPGDVVR	K	A	955.532
4823	SFPQ Isoform Long of Splicing factor, proline- and glutamine-rich	IPI00010740	76,131.50	343	358	ALAEIAKAELDDTPMR	R	G	1,743.89
4824	PKM2 Isoform M1 of Pyruvate kinase isozymes M1/M2	IPI00220644,IPI00479186	58,044.60	343	376	AEGSDVANAVLDGADCIMLS GETAKGDYPLEAVR	R	M	3,510.64
4825	DDX3X ATP-dependent RNA helicase DDX3X	IPI00215637	73,227.70	343	351	YLVLDEADR	K	M	1,093.55
4826	TKT cDNA FLJ54957, highly similar to Transketolase	IPI00643920	68,725.40	343	351	IIALDGDTK	R	N	945.5254
4827	ENO2 Gamma-enolase	IPI00216171	47,251.70	344	358	VNQIGSVTEAIQACK	K	L	1,617.83
4828	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	344	358	VNQIGSVTESLQACK	K	L	1,633.82
4829	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	344	358	VNQIGSVTESLQACK	K	L	1,633.82
4830	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	344	358	VNQIGSVTESLQACK	K	L	1,633.82
4831	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	344	358	VNQIGSVTESLQACK	K	L	1,633.82
4832	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	344	358	VNQIGSVTESLQACK	K	L	1,633.82
4833	TTC4 Tetratricopeptide repeat protein 4	IPI00000606,IPI00514593	44,662.10	344	354	STLLQLVLQHQR	K	Y	1,322.75
4834	CORO1C Coronin-1C_i3 protein	IPI00867509	58,930.80	345	364	YFEITDESPYVHYLNTFSSK	R	E	2,440.13
4835	FKBP4 FK506-binding protein 4	IPI00219005	51,787.90	345	354	ALELDSNNEK	K	G	1,132.55
4836	HNRNPR heterogeneous nuclear ribonucleoprotein R isoform 1	IPI00644055	71,197.20	345	349	VLVFR	K	N	633.4082
4837	HNRNPL Heterogeneous nuclear ribonucleoprotein L	IPI00027834	64,114.80	345	353	MGPPVGGHR	R	R	923.4518
4838	CCT7 T-complex protein 1 subunit eta	IPI00018465	59,349.80	345	357	CQVFEETQIGGER	R	Y	1,552.71
4839	TTL12 Tubulin--tyrosine ligase-like protein 12	IPI00029048,IPI00879002	74,385.70	347	368	LSQERPGVLLNQFPCENLLTV K	K	D	2,555.37
4840	EDC3 Enhancer of mRNA-decapping protein 3	IPI00018009	56,059.40	347	355	GAQGISCGR	K	H	905.4259
4841	EHD4 EH domain-containing protein 4	IPI00005578	61,159.60	348	360	EYQISAGDFPEVK	R	A	1,482.71
4842	NCL Nucleolin	IPI00604620	76,597.90	348	362	KFGYVDFESAEDLEK	R	A	1,776.83
4843	TRIM28 Isoform 1 of Transcription intermediary factor 1-beta	IPI00438229,IPI00438230	88,531.00	348	365	FASWALESNDNTALLLSK	R	K	1,980.01
4844	GNL3 Isoform 2 of Guanine nucleotide-binding protein-like 3	IPI00003886,IPI00306380	60,527.60	348	359	NSLEFFTMLAQR	R	R	1,472.72
4845	NCL Nucleolin	IPI00604620	76,597.90	349	362	FGYVDFESAEDLEK	K	A	1,648.74
4846	NUP107 Nuclear pore complex protein Nup107	IPI00028005	106,358.70	349	355	YLFTLIR	K	A	925.5506
4847	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	349	357	LLQDFFNGR	K	D	1,109.57
4848	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	349	357	LLQDFFNGR	K	D	1,109.57
4849	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	349	357	LLQDFFNGR	K	D	1,109.57
4850	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	70,881.80	349	357	LLQDFFN GK	K	E	1,081.57
4851	ACSL3 Long-chain-fatty-acid--CoA ligase 3	IPI00031397	80,405.10	349	363	IGYSSPQTLADQSSK	R	I	1,581.78
4852	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	349	361	LLQDFFNGRDLNK	K	S	1,579.82
4853	TOP1 DNA topoisomerase 1	IPI00413611	90,711.70	350	362	IANFKIEPPGLFR	R	G	1,501.85
4854	RDBP cDNA FLJ56180, highly similar to Negative elongation factor E	IPI00000858	43,907.90	350	362	SVWGSGLAVQNSPK	K	G	1,372.72
4855	ILK Integrin-linked protein kinase	IPI00013219	51,401.70	350	363	MYAPAWVAPEALQK	R	K	1,574.80
4856	DNAJB12 DnaJ (Hsp40) homolog, subfamily B, member 12	IPI00014400	45,472.60	350	360	NVEDDYIANLR	R	N	1,321.64
4857	WARS Tryptophanyl-tRNA synthetase, cytoplasmic	IPI00295400	53,149.60	350	366	MSASDPNSSIFLTD TAK	K	Q	1,800.83
4858	ZNHIT6 Zinc finger HIT domain-containing protein 6	IPI00100468,IPI00909739	53,900.40	350	362	LQFPQSQA EYIEK	K	R	1,580.80
4859	HNRNPR heterogeneous nuclear ribonucleoprotein R isoform 1	IPI00644055	71,197.20	350	362	NLATTVTEIELEK	R	S	1,460.78

4860	HNRNPR heterogeneous nuclear ribonucleoprotein R isoform 1	IP100644055	71,197.20	350	362	NLATTVTEEILEK	R	S	1,460.78
4861	TUBB2C Tubulin beta-2C chain	IP100007752	49,812.70	351	359	TAVCDIPPR	K	G	1,028.52
4862	TUBB2C Tubulin beta-2C chain	IP100007752	49,812.70	351	359	TAVCDIPPR	K	G	1,028.52
4863	TUBB2C Tubulin beta-2C chain	IP100007752	49,812.70	351	359	TAVCDIPPR	K	G	1,028.52
4864	TUBB Tubulin beta chain	IP100011654	49,652.60	351	359	TAVCDIPPR	K	G	1,028.52
4865	TUBB Tubulin beta chain	IP100011654	49,652.60	351	359	TAVCDIPPR	K	G	1,028.52
4866	TUBB Tubulin beta chain	IP100011654	49,652.60	351	359	TAVCDIPPR	K	G	1,028.52
4867	TUBB2A Tubulin beta-2A chain	IP100013475,IP100031370	49,889.10	351	359	TAVCDIPPR	K	G	1,028.52
4868	TUBB2A Tubulin beta-2A chain	IP100013475,IP100031370	49,889.10	351	359	TAVCDIPPR	K	G	1,028.52
4869	COPG Coatomer subunit gamma	IP100783982	97,701.40	351	359	TGSESSIDR	K	L	951.4378
4870	COPB1 Coatomer subunit beta	IP100295851	107,128.00	352	362	NVEELVIVLKK	R	E	1,283.79
4871	PSAT1 cDNA FLJ56437, highly similar to Phosphoserine aminotransferase	IP100001734	45,338.10	352	364	IGNAKGDDALEKR	R	F	1,386.73
4872	MCM5 DNA replication licensing factor MCM5	IP100018350,IP100877948,IP100878310,IP100878587	82,270.30	352	362	AIACLLFGGSR	K	K	1,164.62
4873	LMNA Isoform A of Lamin-A/C	IP100021405	74,122.60	352	366	MQQQLDHEYQELLDIK	R	L	1,909.92
4874	PHGDH D-3-phosphoglycerate dehydrogenase	IP100011200	56,632.60	352	364	GTIQVITQGTSLK	K	N	1,345.77
4875	STIP1 Stress-induced-phosphoprotein 1	IP100013894,IP100871856	62,624.10	352	364	LAYINPDLALEEK	R	N	1,488.79
4876	DDX3X ATP-dependent RNA helicase DDX3X	IP100215637	73,227.70	352	362	MLDMGFEPQIR	R	R	1,352.63
4877	JUP cDNA FLJ60424, highly similar to Junction plakoglobin	IP100789324	62,599.00	352	360	VLDLTLAR	R	T	1,029.59
4878	HNRNPU heterogeneous nuclear ribonucleoprotein U isoform a	IP100644079	90,567.20	353	360	DIDIHEVR	K	I	996.511
4879	CAMK2D Isoform Delta 6 of Calcium/calmodulin-dependent protein kinase type II delta chain	IP100172636,IP100430291,IP100827573,IP100827625,IP100876923	54,111.10	353	371	VTEQLIEAINNGDFEAYTK	K	I	2,155.06
4880	HNRNPA1 Isoform A1-B of Heterogeneous nuclear ribonucleoprotein A1	IP100215965,IP100465365	38,828.10	353	370	NQGGYGGSSSSSSSYGSGR	R	R	1,694.70
4881	TUBA1A Tubulin alpha-1A chain	IP100180675	50,117.70	353	370	VGINYQPPTVPPGGDLAK	K	V	1,824.99
4882	TUBA1A Tubulin alpha-1A chain	IP100180675	50,117.70	353	370	VGINYQPPTVPPGGDLAK	K	V	1,824.99
4883	TUBA1A Tubulin alpha-1A chain	IP100180675	50,117.70	353	370	VGINYQPPTVPPGGDLAK	K	V	1,824.99
4884	TUBA1A Tubulin alpha-1A chain	IP100180675	50,117.70	353	370	VGINYQPPTVPPGGDLAK	K	V	1,824.99
4885	TUBA1C Tubulin alpha-1C chain	IP100218343	49,877.40	353	370	VGINYQPPTVPPGGDLAK	K	V	1,824.99
4886	TUBA1B Tubulin alpha-1B chain	IP100387144,IP100792677	50,133.70	353	370	VGINYQPPTVPPGGDLAK	K	V	1,824.99
4887	TUBA1B Tubulin alpha-1B chain	IP100387144,IP100792677	50,133.70	353	370	VGINYQPPTVPPGGDLAK	K	V	1,824.99
4888	SH3GLB1 Isoform 1 of Endophilin-B1	IP100006558	40,780.00	354	365	GKVPITYLELLN	K	-	1,359.79
4889	PSMD4 Isoform Rpn10A of 26S proteasome non-ATPase regulatory subunit 4	IP100022694	40,719.20	354	365	NAMGSLASQATK	R	D	1,194.58
4890	DDX39 cDNA FLJ55484, highly similar to ATP-dependent RNA helicase DDX39	IP100641829,IP100644431,IP100848161	50,662.10	354	364	RILVATNLFGR	R	G	1,259.76
4891	DNM1L Isoform 5 of Dynamin-1-like protein	IP100037283,IP100146935,IP100235412,IP100473085,IP100555883,IP100871742	79,093.20	354	365	YIETSELGGAR	K	I	1,355.63
4892	DNM1L Isoform 5 of Dynamin-1-like protein	IP100037283,IP100146935,IP100235412,IP100473085,IP100555883,IP100871742	79,093.20	354	365	YIETSELGGAR	K	I	1,355.63
4893	ST13 Hsc70-interacting protein	IP100032826	41,314.40	354	360	VMNLISK	K	L	804.4648
4894	PFKP 6-phosphofructokinase type C	IP100009790	85,579.40	355	369	LPLMECVQMTQDVQK	R	A	1,819.88
4895	DDX39 cDNA FLJ55484, highly similar to ATP-dependent RNA helicase DDX39	IP100641829,IP100644431,IP100848161	50,662.10	355	364	ILVATNLFGR	R	G	1,103.66
4896	HNRNPA3 Isoform 1 of Heterogeneous nuclear ribonucleoprotein A3	IP100419373	39,577.10	355	376	SSGSPYGGGYGSGGGSGGY	R	R	1,910.79
4897	HNRNPA3 Isoform 1 of Heterogeneous nuclear ribonucleoprotein A3	IP100419373	39,577.10	355	376	GSR SSGSPYGGGYGSGGGSGGY	R	R	1,910.79
4898	KEAP1 Kelch-like ECH-associated protein 1	IP100106502,IP100642319	69,646.70	355	362	LADLQVPR	R	S	911.531
4899	CSE1L Isoform 1 of Exportin-2	IP100022744,IP100219994	110,403.90	356	372	AADEEAFEDNSEEYIRR	R	D	2,043.89
4900	IRGQ Immunity-related GTPase family Q protein	IP100103925	62,700.50	356	368	NAGGGGLENALSK	K	G	1,187.60
4901	AP3M1 AP-3 complex subunit mu-1	IP100032459	46,922.00	356	378	GLVNLQSGAPKPEENPSLNIQ	K	I	2,480.31
4902	PA2G4 Proliferation-associated protein 2G4	IP100299000,IP100794875	43,768.70	356	364	FK ALLQSSASR	K	K	932.5159

4903	HNRNPH1 Heterogeneous nuclear ribonucleoprotein H	IPI00013881,IPI00479191	49,211.80	356	375	YVELFLNSTAGASGGAYEHR	R	Y	2,142.03
4904	KPNA1 Importin subunit alpha-1	IPI00303292	60,232.00	357	370	EACWTISNITAGNR	K	A	1,592.75
4905	PABPC1 Isoform 1 of Polyadenylate-binding protein 1	IPI00008524	70,653.30	357	370	IVATKPLYVALAQR	R	K	1,542.94
4906	PABPC1 Isoform 1 of Polyadenylate-binding protein 1	IPI00008524	70,653.30	357	370	IVATKPLYVALAQR	R	K	1,542.94
4907	PABPC4 Isoform 1 of Polyadenylate-binding protein 4	IPI00012726,IPI00555747,IPI00642904,IPI00642944	70,765.80	357	370	IVGSKPLYVALAQR	R	K	1,514.91
4908	PDXDC1 Isoform 1 of Pyridoxal-dependent decarboxylase domain-containing protein 1	IPI00384689,IPI00645809	86,690.10	357	366	IKHACQLSQR	R	L	1,240.66
4909	LAP3 Isoform 1 of Cytosol aminopeptidase	IPI00419237,IPI00789806	56,149.70	357	368	TIQVDNTDAEGR	K	L	1,318.62
4910	RCC1 regulator of chromosome condensation 1 isoform a	IPI00001661,IPI00747309,IPI00787306	48,126.30	357	366	LGLGEGAE EK	R	S	1,002.51
4911	GLUL Glutamine synthetase	IPI00010130	42,046.90	358	373	TCLLNETGDEPFQYKN	R	-	1,928.87
4912	CCT7 T-complex protein 1 subunit eta	IPI00018465	59,349.80	358	366	YNFFTGPCPK	R	A	1,133.51
4913	PSMD2 26S proteasome non-ATPase regulatory subunit 2	IPI00012268	100,184.20	358	369	FGGSGSQVDSAR	R	M	1,167.54
4914	SEN3 Sentrin-specific protease 3	IPI00171525	64,992.70	358	369	GLVLQLIQSYQR	K	M	1,417.82
4915	ZC3H14 Isoform 1 of Zinc finger CCCH domain-containing protein 14	IPI00397376,IPI00426049,IPI00890689,IPI00890821,IPI00903256	82,858.10	358	368	AISEAQESVTK	K	T	1,162.60
4916	ABCF1 Isoform 2 of ATP-binding cassette sub-family F member 1	IPI00013495,IPI00873899	91,664.60	358	376	RLQGQLEQGDDTAAERLEK	R	V	2,157.09
4917	CKB Creatine kinase B-type	IPI00022977	42,627.10	359	381	LLIEMEQRLEQQAIDDLMPA QK	K	-	2,701.35
4918	FKBP4 FK506-binding protein 4	IPI00219005	51,787.90	359	373	RGEAHLAVNDFELAR	R	A	1,697.87
4919	PES1 Isoform 1 of Pescadillo homolog 1	IPI00003768,IPI00554461,IPI00878536	67,986.90	359	372	SLCIGATYDVTD SR	K	I	1,557.72
4920	RRM2 Ribonucleoside-diphosphate reductase M2 subunit	IPI00011118	51,076.50	359	371	IEQEFLTEALPVK	R	L	1,516.83
4921	HNRNPL Heterogeneous nuclear ribonucleoprotein L	IPI00027834	64,114.80	359	393	YGPQYGHPPPPPPPEYGP H ADSPVLMVYGLDQSK	R	M	3,784.81
4922	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	359	372	LAQANGWGVMSHR	K	S	1,525.77
4923	KPNA6 cDNA FLJ53229, highly similar to Importin alpha-7 subunit	IPI00747764	60,563.50	360	373	EACWTISNITAGNR	K	A	1,592.75
4924	PRPF6 Pre-mRNA-processing factor 6	IPI00305068	106,909.70	360	367	AVVAQAVR	K	H	813.494
4925	SAAL1 Similar to Protein SAAL1. Isoform 2	IPI00304935	53,637.60	360	369	VLQNMEQCQK	R	K	1,277.60
4926	ATP1A1 Isoform Long of Sodium/potassium-transporting ATPase subunit alpha-1	IPI00006482,IPI00646182	112,881.50	360	385	NLEAVETLSTSTICS DKTGTL TQNR	K	M	2,796.37
4927	NUP43 cDNA FLJ38675 fis, clone IMR322000243, highly similar to Nucleoporin Nup43	IPI00171664,IPI00742943	48,466.40	360	368	SSLFHQGG R	K	S	988.4959
4928	HSPH1 Isoform Beta of Heat shock protein 105 kDa	IPI00218993,IPI00513743	92,099.00	361	374	DISTTLNADEAVAR	K	G	1,475.73
4929	HSPA4L Heat shock 70 kDa protein 4L	IPI00295485,IPI00828021	94,470.40	361	374	DISTTLNADEAVAR	K	G	1,475.73
4930	HSPA4 Heat shock 70 kDa protein 4	IPI00002966	94,313.90	361	374	ELSTTLNADEAVTR	K	G	1,519.76
4931	CTPS CTP synthase 1	IPI00290142	66,672.70	361	376	LCSAHGVLPGGFGVR	K	G	1,625.86
4932	TOP2A Isoform 3 of DNA topoisomerase 2-alpha	IPI00218753,IPI00414101,IPI00478232,IPI00879004	178,700.70	361	372	HVDYVADQIVTK	R	L	1,387.72
4933	MSN Moesin	IPI00219365,IPI00872814	67,803.80	361	370	AQQELEEQTR	K	R	1,231.59
4934	MCCC1 Methylcrotonoyl-CoA carboxylase subunit alpha, mitochondrial	IPI00024580,IPI00792499	80,455.60	362	385	IAAGEKIPLSQEITLQGHAF E AR	R	I	2,608.37
4935	ACAT2 Acetyl-CoA acetyltransferase, cytosolic	IPI00291419	41,332.40	362	372	ILVTL LHTLER	R	M	1,307.80
4936	ACAT2 Acetyl-CoA acetyltransferase, cytosolic	IPI00291419	41,332.40	362	372	ILVTL LHTLER	R	M	1,307.80
4937	ACTR1A Alpha-centractin	IPI00029468,IPI00908883	42,597.20	362	369	EYEEDGAR	K	S	968.3956
4938	KIAA1279 KIF1-binding protein	IPI00477355	71,797.70	362	380	AVQFGT GELCDAISAVEEK	K	V	2,023.96
4939	BZW2 Basic leucine zipper and W2 domain-containing protein 2	IPI00022305,IPI00894416	48,146.00	363	369	IVVLFYK	K	A	881.5495
4940	SRP54 Signal recognition particle 54 kDa protein	IPI00009822	55,688.30	363	371	GNEQESMAR	K	L	1,021.44
4941	RUVBL1 Isoform 1 of RuvB-like 1	IPI00021187	50,211.40	363	372	TMLYTPQEMK	R	Q	1,273.58
4942	ZNF207 Isoform 1 of Zinc finger protein 207	IPI00013457,IPI00219759,IPI00219760,IPI00788670,IPI00792837	50,733.10	363	375	LIHPDEDISLEER	K	R	1,565.78

4943	- cDNA FLJ55764, highly similar to Apolipoprotein-L2	IP100220007,IP100877964	49,748.50	363	373	ISAEGGEQVER	R	V	1,174.57
4944	PFKM cDNA FLJ44241 fis, clone THYMU3008436, highly similar to 6-phosphofructokinase, muscle type	IP100465179,IP100743142	93,203.30	364	372	VTVLGHVQR	R	G	1,008.59
4945	PRC1 Isoform 1 of Protein regulator of cytokinesis 1	IP100022629,IP100399304,IP100748507,IP100871281,IP100915034	71,589.90	364	370	LFLEFER	R	K	953.5091
4946	NONO Non-POU domain-containing octamer-binding protein	IP100304596	54,213.60	365	378	RQQEGFKGTFPDAR	R	E	1,636.82
4947	ANAPC7 anaphase-promoting complex subunit 7	IP100008248,IP100915282	66,839.70	365	379	AIQLNSNSVQALLLK	K	G	1,611.94
4948	ANAPC7 anaphase-promoting complex subunit 7	IP100008248,IP100915282	66,839.70	365	379	AIQLNSNSVQALLLK	K	G	1,611.94
4949	STIP1 Stress-induced-phosphoprotein 1	IP100013894,IP100871856	62,624.10	365	381	NKGNECFQKGDYPQAMK	K	H	2,014.91
4950	ATP6V1A V-type proton ATPase catalytic subunit A	IP100007682	68,287.40	365	381	LAEMPADSGYPAYLGAR	R	L	1,781.85
4951	PREPL Isoform 1 of Prolyl endopeptidase-like	IP100442171,IP100880064	83,911.80	365	382	HSNLLYVNVIGLADDSVR	K	S	1,985.05
4952	TRIM28 Isoform 1 of Transcription intermediary factor 1-beta	IP100438229,IP100438230	88,531.00	366	374	KLIYFQLHR	K	A	1,217.72
4953	G3BP2 Isoform A of Ras GTPase-activating protein-binding protein 2	IP100009057,IP100179890	54,102.30	366	387	GVGGKLPNFGFVFFDDSEPV	K	I	2,364.20
4954	CCDC99 Isoform 1 of Coiled-coil domain-containing protein 99	IP100030845,IP100061356	58,945.50	366	380	DACVNNSALGGEVYR	K	L	1,624.74
4955	SFPQ Isoform Long of Splicing factor, proline- and glutamine-rich	IP100010740	76,131.50	366	376	FATHAAALSVR	R	N	1,143.63
4956	DDX52 Probable ATP-dependent RNA helicase	IP100032423	67,450.30	366	379	LNLDNVISVIGAR	K	N	1,470.83
4957	ABCF2 ATP-binding cassette sub-family F member 2	IP100005045,IP100068506	71,274.50	366	374	MMASGLTER	K	V	1,027.45
4958	PGK1 Phosphoglycerate kinase 1	IP100169383	44,597.30	366	382	GCITIIGGGDTATCCAK	R	W	1,754.79
4959	CKB Creatine kinase B-type	IP100022977	42,627.10	367	381	LEQQQAIDDLMPAQK	R	-	1,672.82
4960	PSMC2 26S protease regulatory subunit 7	IP100021435	48,617.60	367	375	DIRFELLAR	R	L	1,132.65
4961	COPB1 Coatomer subunit beta	IP100295851	107,128.00	367	380	TNNVSEHEDTDKYR	K	Q	1,707.76
4962	EEF2 Elongation factor 2	IP100186290	95,322.10	367	386	YRCELLYEGPPDDEAAMGIK	K	S	2,343.06
4963	TARS Threonyl-tRNA synthetase, cytoplasmic	IP100329633,IP100908949	83,419.80	368	381	GFQEVVTPNIFNSR	R	L	1,607.82
4964	OSBPL11 Oxysterol-binding protein-related protein 11	IP100032970,IP100789006	83,625.30	368	378	SVILHLLSQLK	R	L	1,250.78
4965	DIS3 Isoform 2 of Exosome complex exonuclease RRP44	IP100183462,IP100746351	105,025.50	368	377	IIVADGWPR	R	N	1,139.66
4966	JUP Junction plakoglobin	IP100554711	81,727.90	368	377	LVQNCLWTLR	R	N	1,302.70
4967	- cDNA FLJ54408, highly similar to Heat shock 70 kDa protein 1	IP100911039	63,907.90	369	392	QTQIFTTYSDNQPGVLIQVYE	K	A	2,786.36
4968	PSAT1 cDNA FLJ56437, highly similar to Phosphoserine aminotransferase	IP100001734	45,338.10	369	378	ALELNMLSLK	K	G	1,147.64
4969	CCT7 T-complex protein 1 subunit eta	IP100018465	59,349.80	369	375	TCTFILR	K	G	910.4816
4970	UBA1 Ubiquitin-like modifier-activating enzyme 1	IP100645078	117,832.30	369	384	ALPAVQQNNLDEDLIR	R	K	1,808.95
4971	TRIP13 Isoform 1 of Thyroid receptor-interacting protein 13	IP100003505	48,534.10	369	378	LSLLLNDISR	K	K	1,143.67
4972	- cDNA FLJ54554, highly similar to Pyruvate kinase isozymes M1/M2	IP100910979	56,255.30	369	385	EAEAAIYHLQLFEELRR	R	L	2,088.09
4973	EEF2 Elongation factor 2	IP100186290	95,322.10	369	386	CELLYEGPPDDEAAMGIK	R	S	2,023.90
4974	GHDC Isoform 1 of GH3 domain-containing protein	IP100427501,IP100427502,IP100909449	57,505.60	370	381	VVGAYNQCPVVR	R	F	1,361.70
4975	EIF4A2 Isoform 1 of Eukaryotic initiation factor 4A-II	IP100328328,IP100409717	46,385.60	370	383	KGVAINFVTEEDKR	R	I	1,605.86
4976	SAAL1 Similar to Protein SAAL1. Isoform 2	IP100304935	53,637.60	370	384	KPENSAESNTEETKR	K	T	1,719.81
4977	BZW2 Basic leucine zipper and W2 domain-containing protein 2	IP100022305,IP100894416	48,146.00	370	380	ADVLSEEAILK	K	W	1,187.65
4978	LRRC47 Leucine-rich repeat-containing protein 47	IP100170935	63,456.70	371	381	TAATLATHLR	R	A	1,183.64
4979	SSRP1 FACT complex subunit SSRP1	IP100005154	81,059.60	371	381	FDEISFVNFR	R	G	1,344.66
4980	NCL Nucleolin	IP100604620	76,597.90	371	382	VFGNEIKLEKPK	K	G	1,401.81
4981	MTHFD1 C-1-tetrahydrofolate synthase, cytoplasmic	IP100218342,IP100794900	101,543.50	371	386	YVVVTGITPTPLGEGK	K	S	1,630.91

4982	IMMT Isoform 1 of Mitochondrial inner membrane protein	IPI00009960,IPI00470829,IPI00554469	83,661.00	372	385	ELDSITPEVLPGWK	R	G	1,583.83
4983	DHX15 Putative pre-mRNA-splicing factor ATP-dependent RNA helicase DHX15	IPI00396435	90,917.20	372	384	EVDDLGPVEVDIK	R	I	1,385.68
4984	ILF3 Isoform 1 of Interleukin enhancer-binding factor 3	IPI00298788	95,320.90	372	385	RPMEEDGEEKSPSK	K	K	1,618.74
4985	DDX42 Isoform 1 of ATP-dependent RNA helicase DDX42	IPI00409671,IPI00829889	102,958.90	372	386	ALQEGAEIVVCTPGR	K	L	1,599.82
4986	HNRNPM Isoform 1 of Heterogeneous nuclear ribonucleoprotein M	IPI00171903,IPI00383296	77,499.30	372	381	INEILSNALK	R	R	1,114.65
4987	PSMD6 26S proteasome non-ATPase regulatory subunit 6	IPI00014151	45,515.40	372	379	KGDLLLR	K	V	928.5576
4988	DPYSL5 Dihydropyrimidinase-related protein 5	IPI00335509	61,402.90	373	383	FVAVTSSNAAK	R	L	1,094.58
4989	CSE1L Isoform 1 of Exportin-2	IPI00022744,IPI00219994	110,403.90	373	382	DLEGSIDIOTR	R	R	1,120.51
4990	CTNBL1 Isoform 1 of Beta-catenin-like protein 1	IPI00844214	65,157.20	373	380	FVDILGLR	K	T	932.5565
4991	EIF2B3 Isoform 1 of Translation initiation factor eIF-2B subunit gamma	IPI00006504	50,223.30	373	384	SVIGSSCLIKDR	R	V	1,334.71
4992	OLA1 Isoform 1 of Obg-like ATPase 1	IPI00290416,IPI00916847	44,727.40	374	386	NYIVEDGDIIFFK	R	F	1,572.79
4993	FASN Fatty acid synthase	IPI00026781	273,382.00	374	384	LQVVDQPLPVR	R	G	1,263.74
4994	FASN Fatty acid synthase	IPI00026781	273,382.00	374	384	LQVVDQPLPVR	R	G	1,263.74
4995	MYH9 Isoform 1 of Myosin-9	IPI00019502,IPI00395772	226,519.50	374	387	VSHLLGINVTDFTFR	K	G	1,571.85
4996	- cDNA FLJ55764, highly similar to Apolipoprotein-L2	IPI00220007,IPI00877964	49,748.50	374	384	VVEGPAQAMSR	R	G	1,144.58
4997	PREP Prolyl endopeptidase	IPI00008164	80,683.50	374	389	TFPLDVGSIYGSGQK	K	K	1,667.86
4998	TUBA1A Tubulin alpha-1A chain	IPI00180675	50,117.70	374	390	AVCMLSNTTAIAEAWAR	R	L	1,864.90
4999	TUBA1B Tubulin alpha-1B chain	IPI00387144,IPI00792677	50,133.70	374	390	AVCMLSNTTAIAEAWAR	R	L	1,864.90
5000	TUBA1C Tubulin alpha-1C chain	IPI00218343	49,877.40	374	390	AVCMLSNTTAVAEAWAR	R	L	1,866.88
5001	UGDH UDP-glucose 6-dehydrogenase	IPI000031420	55,007.30	374	393	EQIVVDLSHPGVSEDDQVSR	R	L	2,209.07
5002	SRPR Signal recognition particle receptor subunit alpha	IPI00385267	69,794.80	374	386	VMGTFTVTSTVK	K	Q	1,373.70
5003	RCC1 regulator of chromosome condensation 1 isoform a	IPI00001661,IPI00747309,IPI00787306	48,126.30	375	393	LPAVSSVACGASVGYAVTK	R	D	1,836.95
5004	GATA6 Isoform 1 of Transcription factor GATA-6	IPI00024236,IPI00915001	60,015.00	375	388	GPSADLLEDLSESR	R	E	1,488.72
5005	PSMD3 26S proteasome non-ATPase regulatory subunit 3	IPI00011603	60,961.60	375	385	FNQVLDQFGEK	K	F	1,324.65
5006	DNAJA1 DnaJ homolog subfamily A member 1	IPI00012535	44,850.60	375	389	HYNGEAYEDDEHPR	R	G	1,868.76
5007	TFRC Transferrin receptor protein 1	IPI00022462	84,855.60	375	385	LTVSNVLKEIK	K	I	1,243.76
5008	PABPC1 Isoform 1 of Polyadenylate-binding protein 1	IPI00008524	70,653.30	375	385	QAHLTNQYMQR	R	M	1,405.66
5009	HSPA4 Heat shock 70 kDa protein 4	IPI00002966	94,313.90	375	388	GCALQCAILSPAFAK	R	V	1,535.77
5010	HSPH1 Isoform Beta of Heat shock protein 105 kDa	IPI00218993,IPI00513743	92,099.00	375	388	GCALQCAILSPAFAK	R	V	1,535.77
5011	HSPA4L Heat shock 70 kDa protein 4L	IPI00295485,IPI00828021	94,470.40	375	388	GCALQCAILSPAFAK	R	V	1,535.77
5012	GNL3L Guanine nucleotide-binding protein-like 3-like protein	IPI00005132,IPI00871959	65,555.30	376	386	GGLYSQEQAQK	K	A	1,151.57
5013	CORO1C Coronin-1C_i3 protein	IPI00867509	58,930.80	376	387	RGLDVNKCEIAR	K	F	1,430.75
5014	HNRNPR heterogeneous nuclear ribonucleoprotein R isoform 1	IPI00644055	71,197.20	376	387	LKDYAFVHFEDR	K	G	1,539.76
5015	CCT7 T-complex protein 1 subunit eta	IPI00018465	59,349.80	376	387	GGAEQFMEETER	R	S	1,383.58
5016	CCT7 T-complex protein 1 subunit eta	IPI00018465	59,349.80	376	387	GGAEQFMEETER	R	S	1,399.58
5017	PA2G4 Proliferation-associated protein 2G4	IPI00299000,IPI00794875	43,768.70	377	394	TAENATSGETLEENEAGD	K	-	1,837.76
5018	MARS Methionyl-tRNA synthetase, cytoplasmic	IPI00008240	101,099.50	377	388	GFVLQDQVQLR	R	C	1,404.75
5019	PLS3 plastin 3	IPI00216694	70,795.90	377	398	YPALTKPENQDIDWTLLEGET R	K	E	2,589.28
5020	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IPI00290770,IPI00553185	60,446.30	377	388	GASKEILSEVER	R	N	1,317.70
5021	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IPI00290770,IPI00553185	60,446.30	377	388	GASKEILSEVER	R	N	1,317.70

5022	RUVBL1 Isoform 1 of RuvB-like 1	IPI00021187	50,211.40	377	400	IRAQTEGINISEEALNHLGEIG TK	K	T	2,593.36
5023	PLS3 plastin 3	IPI00216694	70,795.90	377	401	YPALTKPENQDIDWTLLEGET REER	K	T	3,003.47
5024	HNRNPK Isoform 1 of Heterogeneous nuclear ribonucleoprotein K	IPI00216049,IPI00216746,IPI00807545,IPI00910458	50,960.50	378	396	GSYGDLLGGPIITQVTIPK	R	D	1,917.03
5025	RCC2 Protein RCC2	IPI00465044	56,066.80	378	384	LFDFPGR	K	G	851.4411
5026	DGCR14 Protein DGCR14	IPI00165171	52,550.80	378	388	VTENLASLTPK	R	G	1,172.65
5027	ILKAP Integrin-linked kinase-associated serine/threonine phosphatase 2C	IPI00006164	42,889.20	378	389	GSADNVTVMVVR	R	I	1,263.64
5028	EHD1 EH domain-containing protein 1	IPI00017184	60,611.10	378	392	LLDVTDDMLANDIAR	K	L	1,674.84
5029	UHRF1 ubiquitin-like with PHD and ring finger domains 1 isoform 2	IPI00797279,IPI00797945	91,082.30	378	389	NDASEVVLAGER	R	L	1,259.62
5030	RARS Isoform Complexed of Arginyl-tRNA synthetase. cytoplasmic	IPI00004860	75,364.00	378	393	SDGGYTYDTSDLAAIK	K	Q	1,676.77
5031	PRPF6 Pre-mRNA-processing factor 6	IPI00305068	106,909.70	379	387	AAELETDIR	R	A	1,017.52
5032	FKBP4 FK506-binding protein 4	IPI00219005	51,787.90	379	387	VLQLYPNNK	K	A	1,088.61
5033	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	379	392	GVVDEDLPLNISR	R	E	1,513.79
5034	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	379	392	GVVDEDLPLNISR	R	E	1,513.79
5035	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	379	392	GVVDEDLPLNISR	R	E	1,513.79
5036	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	379	392	GVVDEDLPLNISR	R	E	1,513.79
5037	SRPK1 Isoform 2 of Serine/threonine-protein kinase SRPK1	IPI00412344	92,430.40	379	399	IIHTDIKPENILLSVNEQYIR	R	R	2,508.38
5038	TCP1 T-complex protein 1 subunit alpha	IPI00290566	60,327.20	379	390	GANDFMCDEMER	R	S	1,506.53
5039	RUVBL1 Isoform 1 of RuvB-like 1	IPI00021187	50,211.40	379	400	AQTEGINISEEALNHLGEIGTK	R	T	2,324.17
5040	AP3M1 AP-3 complex subunit mu-1	IPI00032459	46,922.00	379	388	IQQLAISGLK	K	V	1,070.66
5041	FSCN1 Fascin	IPI00163187,IPI00747810	54,512.30	380	389	LINRPIIVFR	K	G	1,240.79
5042	GMPPA Isoform 1 of Mannose-1-phosphate quanyltransferase alpha	IPI00101782,IPI00657888	46,273.80	380	390	LLPAITILGCR	K	V	1,226.73
5043	EHD4 EH domain-containing protein 4	IPI00005578	61,159.60	381	392	LIEAVDNMLSNK	K	I	1,362.69
5044	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IPI00290770,IPI00553185	60,446.30	381	388	EILSEVER	K	N	974.5153
5045	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IPI00290770,IPI00553185	60,446.30	381	388	EILSEVER	K	N	974.5153
5046	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	381	390	ISEQFTAMFR	R	R	1,245.59
5047	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	381	390	ISEQFTAMFR	R	R	1,245.59
5048	TUBB2C Tubulin beta-2C chain	IPI00007752	49,812.70	381	390	ISEQFTAMFR	R	R	1,229.60
5049	TUBB Tubulin beta chain	IPI00011654	49,652.60	381	390	ISEQFTAMFR	R	R	1,245.59
5050	TUBB Tubulin beta chain	IPI00011654	49,652.60	381	390	ISEQFTAMFR	R	R	1,245.59
5051	TUBB Tubulin beta chain	IPI00011654	49,652.60	381	390	ISEQFTAMFR	R	R	1,229.60
5052	TUBB2A Tubulin beta-2A chain	IPI00013475,IPI00031370	49,889.10	381	390	ISEQFTAMFR	R	R	1,245.59
5053	TUBB2A Tubulin beta-2A chain	IPI00013475,IPI00031370	49,889.10	381	390	ISEQFTAMFR	R	R	1,229.60
5054	ATP6V1A V-type proton ATPase catalytic subunit A	IPI00007682	68,287.40	382	388	LASFYER	R	A	885.4464
5055	CCT5 T-complex protein 1 subunit epsilon	IPI00010720,IPI00910316	59,654.30	382	388	AVTIFIR	R	G	819.5087
5056	HK2 Hexokinase-2	IPI00102864,IPI00917193	102,363.30	382	396	SASLCAATLAAVLQR	R	I	1,531.83
5057	NOP56 Nucleolar protein 5A	IPI00411937	66,034.00	382	396	IDCFSEVPTSVFGEK	R	L	1,714.80
5058	STIP1 Stress-induced-phosphoprotein 1	IPI00013894,IPI00871856	62,624.10	382	389	HYTEAIKR	K	N	1,017.55
5059	CTPS CTP synthase 1	IPI00290142	66,672.70	382	389	IQAIAWAR	K	N	928.5363
5060	HNRNPM Isoform 1 of Heterogeneous nuclear ribonucleoprotein M	IPI00171903,IPI00383296	77,499.30	382	388	RGEIIAK	K	Q	786.4833
5061	CTPS2 CTP synthase 2	IPI00645702	65,661.40	382	389	LQAISWAR	K	T	944.5312
5062	CSNK1E Casein kinase I isoform epsilon	IPI00027729	47,299.00	383	396	GAPANVSSSDLTGR	R	Q	1,331.66
5063	API5 Isoform 2 of Apoptosis inhibitor 5	IPI00554742,IPI00555572,IPI00855856	56,754.30	383	389	GLQVYIR	R	Q	848.4989
5064	SH3GLB2 Isoform 1 of Endophilin-B2	IPI00024540,IPI00398828	43,957.20	384	395	GKVPVTYLELLS	K	-	1,318.76

5065	CMAS Isoform 1 of N-acylneuraminat cytidyltransferase	IPI00303158	48,361.60	384	399	VGLSGAPADACSTAQK	R	A	1,532.74
5066	GDI2 cDNA FLJ60299, highly similar to Rab GDP dissociation inhibitor beta	IPI00031461	51,138.50	384	394	FVSISDLLVPK	K	D	1,217.71
5067	GDI2 cDNA FLJ60299, highly similar to Rab GDP dissociation inhibitor beta	IPI00031461	51,138.50	384	394	FVSISDLLVPK	K	D	1,217.71
5068	NONO Non-POU domain-containing octamer- binding protein	IPI00304596	54,213.60	384	398	MGQMAMGGAMGINNR	R	G	1,570.66
5069	FARSB Phenylalanyl-tRNA synthetase beta chain	IPI00300074	66,114.60	384	395	TYTIANQFPLNK	K	L	1,409.74
5070	RP6-213H19.1 Serine/threonine-protein kinase MST4	IPI00292827,IPI00760722,IPI00844141,IPI00872588,IPI00911046	46,512.40	384	398	SIAVAEAACPGITDK	K	M	1,502.75
5071	ETF1 Eukaryotic peptide chain release factor subunit 1	IPI00429191	49,014.60	385	404	FGATLEIVTDKLSQEGSQFVK	K	G	2,184.12
5072	PPAT Amidophosphoribosyltransferase	IPI00029534	57,381.30	385	394	IVLVDDSVIR	R	G	1,128.66
5073	HSP90B1 Endoplasmic	IPI00027230	92,453.70	385	395	SILFVPTSAPR	K	G	1,187.68
5074	KHSRP KH-type splicing regulatory protein	IPI00479786,IPI00855957	73,097.60	385	394	IINDLLQSLR	R	S	1,184.70
5075	- cDNA FLJ54554, highly similar to Pyruvate kinase isozymes M1/M2	IPI00910979	56,255.30	386	407	LAPITSDPTEATAVGAVEASFK	R	C	2,175.12
5076	DDX24 ATP-dependent RNA helicase DDX24	IPI00006987	96,316.70	386	397	RPLLGLVLTPTTR	K	E	1,335.85
5077	COPB1 Coatomer subunit beta	IPI00295851	107,128.00	386	393	TLHSCSVR	R	F	959.4727
5078	TFRC Transferrin receptor protein 1	IPI00022462	84,855.60	386	394	ILNIFGVK	K	G	1,016.65
5079	PSMD3 26S proteasome non-ATPase regulatory subunit 3	IPI00011603	60,961.60	386	397	FQADGTYTLIIR	K	L	1,397.74
5080	PFKP 6-phosphofructokinase type C	IPI00009790	85,579.40	386	395	SFAGNLNTYK	R	R	1,114.55
5081	OSBPL11 Oxysterol-binding protein-related protein 11	IPI00032970,IPI00789006	83,625.30	386	396	VVLPTFILEKR	R	S	1,314.81
5082	HNRNPA2B1 43 kDa protein	IPI00874030	43,234.30	387	411	NMGGPYGGGNYGPGGSGG SGGYGGR	R	S	2,189.91
5083	DDX41 Probable ATP-dependent RNA helicase DDX41	IPI00007208	69,821.60	388	400	SALVKPVTINVGR	K	A	1,353.82
5084	CCT7 T-complex protein 1 subunit eta	IPI00018465	59,349.80	388	398	SLHDAIMIVRR	R	A	1,326.73
5085	G3BP2 Isoform A of Ras GTPase-activating protein- binding protein 2	IPI00009057,IPI00179890	54,102.30	388	397	ILIAKPIMFR	R	G	1,201.75
5086	PSAT1 cDNA FLJ56437, highly similar to Phosphoserine aminotransferase	IPI00001734	45,338.10	388	401	ASLYNAVTIEDVQK	R	L	1,550.81
5087	PSAT1 cDNA FLJ56437, highly similar to Phosphoserine aminotransferase	IPI00001734	45,338.10	388	401	ASLYNAVTIEDVQK	R	L	1,550.81
5088	GOT1 Aspartate aminotransferase, cytoplasmic	IPI00219029	46,230.10	388	396	INVSGLTTK	R	N	932.5412
5089	CCT7 T-complex protein 1 subunit eta	IPI00018465	59,349.80	388	397	SLHDAIMIVR	R	R	1,154.64
5090	TRAP1 Heat shock protein 75 kDa, mitochondrial	IPI00030275,IPI00646055	80,094.90	389	402	GVVSEDIPLNLSR	R	E	1,513.79
5091	DDX5 Probable ATP-dependent RNA helicase DDX5	IPI00017617	69,131.70	389	403	HGKAPILIATDVASR	K	G	1,548.89
5092	HARS Histidyl-tRNA synthetase, cytoplasmic	IPI00021808	57,394.40	389	396	IFSIVEQR	R	L	991.5571
5093	AHCY Adenosylhomocysteinase	IPI00012007	47,699.10	389	401	KLDEAVAEAHLGK	K	L	1,380.75
5094	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IPI00290770,IPI00553185	60,446.30	389	398	NLQDAMQVCR	R	N	1,250.56
5095	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IPI00290770,IPI00553185	60,446.30	389	398	NLQDAMQVCR	R	N	1,234.57
5096	SMU1 WD40 repeat-containing protein SMU1	IPI00305833	57,526.80	389	408	SLGSTAGTDITVNSVILLPK	K	N	1,986.11
5097	RPA1 Replication protein A 70 kDa DNA-binding subunit	IPI00020127	68,121.00	390	412	SLSVLSSTIIANPDPEAYKLR	R	G	2,474.35
5098	ZNF148 Zinc finger protein 148	IPI00010833	88,958.40	390	394	LVLKK	K	I	600.4444
5099	CSK Tyrosine-protein kinase CSK	IPI00013212,IPI00910540	50,686.90	390	398	IPLKDVVPR	R	V	1,036.65
5100	TUBA1A Tubulin alpha-1A chain	IPI00180675	50,117.70	391	402	LDHKFDLMYAKR	R	A	1,536.80
5101	TUBA1C Tubulin alpha-1C chain	IPI00218343	49,877.40	391	402	LDHKFDLMYAKR	R	A	1,536.80
5102	TUBA1B Tubulin alpha-1B chain	IPI00387144,IPI00792677	50,133.70	391	402	LDHKFDLMYAKR	R	A	1,536.80
5103	FKBP4 FK506-binding protein 4	IPI00219005	51,787.90	391	399	TQLAVCQQR	K	I	1,103.56
5104	SARS Seryl-tRNA synthetase, cytoplasmic	IPI00220637,IPI00514587	58,760.60	391	404	ELVSCSNCTDYQAR	R	R	1,702.72

5105	TUBA1A Tubulin alpha-1A chain	IPI00180675	50,117.70	391	401	LDHKFDLMYAK	R	R	1,380.70
5106	TUBA1C Tubulin alpha-1C chain	IPI00218343	49,877.40	391	401	LDHKFDLMYAK	R	R	1,380.70
5107	TUBA1B Tubulin alpha-1B chain	IPI00387144,IPI00792677	50,133.70	391	401	LDHKFDLMYAK	R	R	1,380.70
5108	TCP1 T-complex protein 1 subunit alpha	IPI00290566	60,327.20	391	401	SLHDALCVVKR	R	V	1,297.70
5109	PAFAH1B1 Isoform 1 of Platelet-activating factor acetvlhydrolase IB subunit alpha	IPI00218728	46,619.40	391	405	TAPYVVVTGSVDQTVK	K	V	1,564.82
5110	ABCF2 ATP-binding cassette sub-family F member 2	IPI00005045,IPI00068506	71,274.50	391	404	IPPPVIMVQNVFSK	K	Y	1,568.89
5111	MSN Moesin	IPI00219365,IPI00872814	67,803.80	392	408	ERQEAEAKEALLQASR	K	D	1,957.99
5112	DDX5 Probable ATP-dependent RNA helicase DDX5	IPI00017617	69,131.70	392	403	APILIATDVASR	K	G	1,226.71
5113	DDX5 Probable ATP-dependent RNA helicase DDX5	IPI00017617	69,131.70	392	403	APILIATDVASR	K	G	1,226.71
5114	PDIA4 Protein disulfide-isomerase A4	IPI00009904	72,916.00	392	400	YALPLVGHR	K	K	1,025.59
5115	EEF2 Elongation factor 2	IPI00186290	95,322.10	392	400	GPLMMYISK	K	M	1,055.53
5116	YARS Tyrosyl-tRNA synthetase, cytoplasmic	IPI00007074	59,127.10	392	400	IDVGEAEPR	K	T	985.495
5117	- cDNA FLJ54408, highly similar to Heat shock 70 kDa protein 1	IPI00911039	63,907.90	393	403	AMTKDNNLLGR	R	F	1,248.64
5118	FLOT1 Flotillin-1	IPI00027438	47,336.80	393	403	VTGEVLDILTR	K	L	1,215.69
5119	CCT5 T-complex protein 1 subunit epsilon	IPI00010720,IPI00910316	59,654.30	393	400	MIIEEAKR	K	S	989.5449
5120	RUVBL2 RuvB-like 2	IPI00009104	51,140.10	393	400	IGLETSLR	R	Y	888.515
5121	PIP4K2C Phosphatidylinositol-5-phosphate 4-kinase type-2 gamma	IPI00152303,IPI00896381	47,268.90	394	410	HGAGAEISTVHPEQYAK	K	R	1,794.88
5122	DPYSL5 Dihydropyrimidinase-related protein 5	IPI00335509	61,402.90	394	411	IIPGADADVVDPEATK	R	T	1,895.98
5123	NOC3L Nucleolar complex protein 3 homolog	IPI00102815,IPI00843861	92,534.20	394	403	LGQASLGVK	K	V	985.6042
5124	HSPA9 Stress-70 protein, mitochondrial	IPI00007765	73,663.30	395	405	VQQTQVDLFGFR	K	A	1,290.68
5125	XRCC5 ATP-dependent DNA helicase 2 subunit 2	IPI00220834,IPI00871391	82,689.10	395	400	YAYDKR	R	A	815.4046
5126	TFRC Transferrin receptor protein 1	IPI00022462	84,855.60	395	409	GFVEPDHYVVGAQR	K	D	1,672.84
5127	TUBA1A Tubulin alpha-1A chain	IPI00180675	50,117.70	395	401	FDLMYAK	K	R	887.4332
5128	TUBA1C Tubulin alpha-1C chain	IPI00218343	49,877.40	395	401	FDLMYAK	K	R	887.4332
5129	TUBA1B Tubulin alpha-1B chain	IPI00387144,IPI00792677	50,133.70	395	401	FDLMYAK	K	R	887.4332
5130	GDI2 cDNA FLJ60299, highly similar to Rab GDP dissociation inhibitor beta	IPI00031461	51,138.50	395	406	DLGTESQIFISR	K	T	1,365.70
5131	GDI2 cDNA FLJ60299, highly similar to Rab GDP dissociation inhibitor beta	IPI00031461	51,138.50	395	406	DLGTESQIFISR	K	T	1,365.70
5132	EEF1A1 Elongation factor 1-alpha 1	IPI00396485	50,123.20	396	423	SGDAAIVDMVPGKPMCVESF	K	F	3,027.39
5133	EEF1A1 Elongation factor 1-alpha 1	IPI00396485	50,123.20	396	423	SDYPPPLGR SGDAAIVDMVPGKPMCVESF	K	F	3,011.40
5134	EEF1A1 Elongation factor 1-alpha 1	IPI00396485	50,123.20	396	423	SDYPPPLGR SGDAAIVDMVPGKPMCVESF	K	F	3,027.39
5135	EEF1A2 Elongation factor 1-alpha 2	IPI00014424	50,452.60	396	423	SDYPPPLGR SGDAAIVEMVPGKPMCVESF	K	F	3,054.44
5136	CCT4 T-complex protein 1 subunit delta	IPI00302927,IPI00873222	57,907.90	396	403	SQYPPPLGR LVIEEAER	K	S	958.5204
5137	PSMC1 26S protease regulatory subunit 4	IPI00011126	49,168.40	397	408	AICTEAGLMALR	K	E	1,305.67
5138	- cDNA FLJ54408, highly similar to Heat shock 70 kDa protein 1	IPI00911039	63,907.90	397	403	DNNLLGR	K	F	801.4214
5139	GOT1 Aspartate aminotransferase, cytoplasmic	IPI00219029	46,230.10	397	411	NLDYVATSIHEAVTK	K	I	1,660.85
5140	SF3A1 Splicing factor 3 subunit 1	IPI00017451	88,868.10	397	424	ASKPLPPAPAPDEYLVSPITGE KIPASK	K	M	2,873.57
5141	FARSA Phenylalanyl-tRNA synthetase alpha chain	IPI00031820,IPI00909657	57,546.50	398	404	LGITQLR	K	F	800.499
5142	ACSL3 Long-chain-fatty-acid--CoA ligase 3	IPI00031397	80,405.10	398	406	VSEMSSFQR	K	N	1,086.49
5143	CCT7 T-complex protein 1 subunit eta	IPI00018465	59,349.80	398	418	RAIKNDSVVAGGGAIEMELSK	R	Y	2,161.13
5144	HNRNPL Heterogeneous nuclear ribonucleoprotein L	IPI00027834	64,114.80	399	411	VFNVFCLYGNVEK	R	V	1,588.78
5145	DNAJB12 DnaJ (Hsp40) homolog, subfamily B, member 12	IPI00014400	45,472.60	400	409	LSEVQASLHG	R	-	1,040.54

5146	SFPQ Isoform Long of Splicing factor, proline- and glutamine-rich	IPI00010740	76,131.50	400	407	AVVIVDDR	R	G	886.4993
5147	XRCC5 ATP-dependent DNA helicase 2 subunit 2	IPI00220834,IPI00871391	82,689.10	400	413	RANPQVGVAFPHIK	K	H	1,533.86
5148	DDX39 cDNA FLJ55484, highly similar to ATP-dependent RNA helicase DDX39	IPI00641829,IPI00644431,IPI00848161	50,662.10	400	413	GLAITFVSDENDAK	K	I	1,479.73
5149	PPP5C Serine/threonine-protein phosphatase 5	IPI00019812,IPI00793942	56,862.20	401	412	GVSCQFGPDVTK	R	A	1,294.61
5150	DDX41 Probable ATP-dependent RNA helicase DDX41	IPI00007208	69,821.60	401	420	AGAASLDVIQEVEYVKEEAK	R	M	2,149.10
5151	CCT5 T-complex protein 1 subunit epsilon	IPI00010720,IPI00910316	59,654.30	401	410	SLHDALCVIR	R	N	1,183.63
5152	G3BP2 Isoform A of Ras GTPase-activating protein-binding protein 2	IPI00009057,IPI00179890	54,102.30	402	407	LNVEEK	R	K	731.3934
5153	UTP18 U3 small nucleolar RNA-associated protein 18 homolog	IPI00000733	64,046.80	402	412	VAASTFSSDSK	R	K	1,099.53
5154	UTP18 U3 small nucleolar RNA-associated protein 18 homolog	IPI00000733	64,046.80	402	413	VAASTFSSDSKK	R	V	1,227.62
5155	KPNA6 cDNA FLJ53229, highly similar to Importin alpha-7 subunit	IPI00747764	60,563.50	402	420	EAAWAITNATSGGTPEQIR	K	Y	1,972.97
5156	TUBA1A Tubulin alpha-1A chain	IPI00180675	50,117.70	403	422	AFVHWYVGGEMEEGEFSEA	R	E	2,346.01
5157	TUBA1C Tubulin alpha-1C chain	IPI00218343	49,877.40	403	422	AFVHWYVGGEMEEGEFSEA	R	E	2,346.01
5158	TUBA1B Tubulin alpha-1B chain	IPI00387144,IPI00792677	50,133.70	403	422	AFVHWYVGGEMEEGEFSEA	R	E	2,346.01
5159	RRM2 Ribonucleoside-diphosphate reductase M2 subunit	IPI00011118	51,076.50	403	418	VENPFDPMENISLEGK	R	T	1,884.87
5160	RRP1 Ribosomal RNA processing protein 1 homolog A	IPI00550766	52,822.60	404	415	AEAGEQPFTAER	R	A	1,215.56
5161	CCT4 T-complex protein 1 subunit delta	IPI00302927,IPI00873222	57,907.90	404	413	SIHDALCVIR	R	C	1,183.63
5162	PTOV1 Isoform 1 of Prostate tumor overexpressed gene 1 protein	IPI00010118	46,851.30	404	412	NLEQEQQQR	R	G	1,172.57
5163	NCL Nucleolin	IPI00604620	76,597.90	404	420	VTQDELKEVFEDAAEIR	K	L	1,991.99
5164	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	404	414	EKYIDQEELNK	K	T	1,408.70
5165	RUVBL1 Isoform 1 of RuvB-like 1	IPI00021187	50,211.40	405	418	YSVQLTPANLLAK	R	I	1,530.89
5166	NOP56 Nucleolar protein 5A	IPI00411937	66,034.00	405	415	LSFYETGEIPR	R	K	1,311.66
5167	ETF1 Eukaryotic peptide chain release factor subunit 1	IPI00429191	49,014.60	405	414	GFGGIGGILR	K	Y	946.5471
5168	TOR1AIP1 Putative uncharacterized protein TOR1AIP1	IPI00792065	66,301.60	406	417	SQPAILLTAAR	R	D	1,253.76
5169	HSPD1 60 kDa heat shock protein, mitochondrial	IPI00784154	61,037.70	406	417	VGGTSDVEVNEK	K	K	1,233.60
5170	HARS Histidyl-tRNA synthetase, cytoplasmic	IPI00021808	57,394.40	406	419	TTETQVLVASAQQK	R	L	1,503.84
5171	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	406	414	YIDQEELNK	K	T	1,151.56
5172	PGK1 Phosphoglycerate kinase 1	IPI00169383	44,597.30	407	417	VLPGVDAISNI	K	-	1,097.62
5173	ARMC6 Armadillo repeat-containing protein 6	IPI00020196,IPI00871811	54,123.50	407	422	IIVEGGGAVAALQAMK	R	A	1,543.85
5174	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	407	420	YNQLLRIEEEELGSK	K	A	1,691.90
5175	STIP1 Stress-induced-phosphoprotein 1	IPI00013894,IPI00871856	62,624.10	407	415	LLEFQLALK	K	D	1,074.66
5176	GDI2 cDNA FLJ60299, highly similar to Rab GDP dissociation inhibitor beta	IPI00031461	51,138.50	407	427	TYDATTHFETTCDDIKNIYKR	R	M	2,592.20
5177	TRIM28 Isoform 1 of Transcription intermediary factor 1-beta	IPI00438229,IPI00438230	88,531.00	408	427	IVAERPGTNSTGPAPMAPPR	K	A	2,035.04
5178	G3BP1 Ras GTPase-activating protein-binding protein 1	IPI00012442	52,144.80	408	413	LNVEEK	R	K	731.3934
5179	DDX3X ATP-dependent RNA helicase DDX3X	IPI00215637	73,227.70	408	418	VGSTSENITQK	R	V	1,163.59
5180	PRPF6 Pre-mRNA-processing factor 6	IPI00305068	106,909.70	409	420	AAVELEEPEDAR	K	I	1,328.63
5181	SMU1 WD40 repeat-containing protein SMU1	IPI00305833	57,526.80	409	418	NPEHFVVCNR	K	S	1,271.59
5182	PFKP 6-phosphofructokinase type C	IPI00009790	85,579.40	409	430	TNCNVAVINVGAPAAGMNAAV	K	S	2,170.09
5183	FKBP4 FK506-binding protein 4	IPI00219005	51,787.90	410	417	LYANMFER	K	L	1,043.50

5184	PTBP1 Isoform 1 of Polypyrimidine tract-binding protein 1	IPI00179964,IPI00183626,IPI00334175	57,204.50	411	418	HQNVQLPR	K	E	991.5432
5185	TRMT1 Isoform 1 of N(2),N(2)-dimethylguanosine tRNA methyltransferase	IPI00020508,IPI00178861	72,215.30	411	421	VLEAVSANPGR	R	F	1,112.61
5186	NCL Nucleolin	IPI00604620	76,597.90	411	420	EVFEDAAEIR	K	L	1,178.57
5187	FLOT1 Flotillin-1	IPI00027438	47,336.80	411	425	LTGVVISQVNHKPLR	R	T	1,648.95
5188	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	412	428	CLELFSELAEDKENYKK	K	F	2,116.03
5189	EZR Ezrin	IPI00746388,IPI00843975,IPI00872684	69,265.40	412	426	SQEQLAAELAETYAK	K	I	1,651.82
5190	UBA3 NEDD8-activating enzyme E1 catalytic subunit	IPI00328154,IPI00375533	51,835.40	412	424	TLYLQSVTSIEER	R	T	1,538.81
5191	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	413	420	IEEELGSK	R	A	904.4623
5192	ENO2 Gamma-enolase	IPI00216171	47,251.70	413	422	IEEELGDEAR	R	F	1,160.54
5193	PPP5C Serine/threonine-protein phosphatase 5	IPI00019812,IPI00793942	56,862.20	413	425	AFLEENLDYIIR	K	S	1,609.82
5194	UHRF1 ubiquitin-like with PHD and ring finger domains 1 isoform 2	IPI00797279,IPI00797945	91,082.30	413	419	GMACVGR	K	T	750.3386
5195	ATP1A1 Isoform Long of Sodium/potassium-transporting ATPase subunit alpha-1	IPI00006482,IPI00646182	112,881.50	414	423	TSATWLALSR	K	I	1,105.60
5196	SFPQ Isoform Long of Splicing factor, proline- and glutamine-rich	IPI00010740	76,131.50	414	425	GIVEFASKPAAR	K	K	1,245.70
5197	GORASP2 cDNA FLJ59712, highly similar to Golgi reassembly-stacking protein 2	IPI00743931,IPI00916299	48,657.10	416	432	ADAASSLTVDPPTAK	K	A	1,643.85
5198	GOLIM4 Golgi integral membrane protein 4	IPI00004962	81,859.50	416	428	LAVQQVEEAQQLR	R	E	1,511.82
5199	IDE Insulin-degrading enzyme	IPI00220373	117,956.00	416	423	DLNAVAFR	K	F	905.4839
5200	SRP54 Signal recognition particle 54 kDa protein	IPI00009822	55,688.30	416	426	DVQELLTQYTK	R	F	1,337.69
5201	STIP1 Stress-induced-phosphoprotein 1	IPI00013894,IPI00871856	62,624.10	416	429	DCEECIQLEPTFIK	K	G	1,781.81
5202	RIC8A resistance to inhibitors of cholinesterase 8 homolog A	IPI00100106,IPI00746360,IPI00749304	60,354.80	416	429	YTYGYNAAGLLAAR	K	G	1,397.72
5203	EEF2 Elongation factor 2	IPI00186290	95,322.10	416	426	VFSGLVSTGLK	R	V	1,107.64
5204	EEF2 Elongation factor 2	IPI00186290	95,322.10	416	426	VFSGLVSTGLK	R	V	1,107.64
5205	EEF2 Elongation factor 2	IPI00186290	95,322.10	416	426	VFSGLVSTGLK	R	V	1,107.64
5206	EEF2 Elongation factor 2	IPI00186290	95,322.10	416	426	VFSGLVSTGLK	R	V	1,107.64
5207	PFKM cDNA FLJ44241 fis, clone THYMU3008436, highly similar to 6-phosphofructokinase, muscle type	IPI00465179,IPI00743142	93,203.30	417	427	LPLMECVQVTK	R	D	1,333.69
5208	OXR1 Serine/threonine-protein kinase OSR1	IPI00010080	58,005.40	417	431	TAQALSSGSGSQETK	K	I	1,451.70
5209	LMNB2 Lamin-B2	IPI00009771,IPI00879819	69,931.40	417	430	ATSSSSGSLSATGR	R	L	1,268.61
5210	LPCAT1 1-acylglycerophosphocholine O-acyltransferase 1	IPI00171626	59,134.80	417	426	TLDTIQLAFK	R	M	1,149.65
5211	ATIC Bifunctional purine biosynthesis protein PURH	IPI00289499	64,598.50	417	426	DLIVATIAVK	R	Y	1,042.65
5212	CCNA2 Cyclin-A2	IPI00022865	48,519.60	418	432	YHGVSLNPPETLNL	K	-	1,666.88
5213	DDX24 ATP-dependent RNA helicase DDX24	IPI00006987	96,316.70	418	429	TAILVGGMSTQK	K	Q	1,221.65
5214	CALD1 Isoform 5 of Caldesmon	IPI00333771	61,195.30	418	429	LEQYTSAIEGTK	R	S	1,339.67
5215	EIF4B cDNA FLJ54492, highly similar to Eukaryotic translation initiation factor 4B	IPI00012079,IPI00908588	69,710.40	418	435	SRTGSESSQTGTSTTSSR	R	S	1,816.83
5216	RPN1 Dolichyl-diphosphooligosaccharide--protein glycosyltransferase 67 kDa subunit precursor	IPI00025874	72,762.00	419	430	NIEIDSPYEISR	K	A	1,435.71
5217	YARS Tyrosyl-tRNA synthetase, cytoplasmic	IPI00007074	59,127.10	419	430	LVVVLCNLKPQK	R	M	1,410.85
5218	CCT7 T-complex protein 1 subunit eta	IPI00018465	59,349.80	419	425	YLRDYSR	K	T	972.4897
5219	GARS Glycyl-tRNA synthetase	IPI00783097,IPI00915808	83,123.50	420	428	VGISPDKLR	K	F	984.5838
5220	CCT4 T-complex protein 1 subunit delta	IPI00302927,IPI00873222	57,907.90	420	435	ALIAGGGAPEIELALR	R	L	1,550.89
5221	FAR1 Fatty acyl-CoA reductase 1	IPI00478838	59,340.20	420	426	TFNIDVR	K	Q	864.4574
5222	HSPD1 60 kDa heat shock protein, mitochondrial	IPI00784154	61,037.70	421	429	VTDALNATR	R	A	960.5109
5223	HSPD1 60 kDa heat shock protein, mitochondrial	IPI00784154	61,037.70	421	429	VTDALNATR	R	A	960.5109
5224	HSP90AA1 heat shock protein 90kDa alpha (cytosolic). class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	422	436	NPDDITNEEYGEFYK	R	S	1,833.78

5225	TUBA1A Tubulin alpha-1A chain	IPI00180675	50,117.70	423	451	EDMAALEKDYEEVGVDSVEG R	-	3,236.31	
5226	TUBA1B Tubulin alpha-1B chain	IPI00387144,IPI00792677	50,133.70	423	451	EGEEEEGEY EDMAALEKDYEEVGVDSVEG R	-	3,236.31	
5227	RCC2 Protein RCC2	IPI00465044	56,066.80	423	431	AVQDLCGWR	K	I	1,104.53
5228	DDX27 Probable ATP-dependent RNA helicase DDX27	IPI00293078	89,820.10	423	436	IFVNSNTDVAPFLR	R	Q	1,592.84
5229	PSIP1 Isoform 1 of PC4 and SFRS1-interacting protein	IPI00028122	60,085.90	423	442	FKNMFLVGEQDSVITQVLNK	K	S	2,255.17
5230	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	424	447	QTQIFTTYSDNQPGVLIQVYE	K	A	2,786.36
5231	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	70,881.80	424	447	GER QTQIFTTYSDNQPGVLIQVYE	K	A	2,774.33
5232	HNRNPU heterogeneous nuclear ribonucleoprotein U isoform a	IPI00644079	90,567.20	424	433	GER NGQDLGVAFK	K	I	1,048.54
5233	CHAF1B Chromatin assembly factor 1 subunit B	IPI00011857	61,474.80	424	438	TQDPSSPGTTTPQAR	R	Q	1,539.74
5234	DDX21 Isoform 1 of Nucleolar RNA helicase 2	IPI00015953	87,328.00	424	432	AAVIGDVIR	R	V	913.5466
5235	EIF2A Isoform 1 of Eukaryotic translation initiation factor 2A	IPI00902564	64,973.20	425	441	TITYQAVPSEVPNEEPK	K	V	1,901.95
5236	CSE1L Isoform 1 of Exportin-2	IPI00022744,IPI00219994	110,403.90	426	440	HKDAAIYLVTSLASK	K	A	1,616.90
5237	PSMD3 26S proteasome non-ATPase regulatory subunit 3	IPI00011603	60,961.60	426	440	LQLDSPEDAEIFIVAK	K	A	1,674.86
5238	CCT7 T-complex protein 1 subunit eta	IPI00018465	59,349.80	426	440	TIPGKQQLLIGAYAK	R	A	1,600.94
5239	NARS Asparaginyl-tRNA synthetase, cytoplasmic	IPI00306960	62,926.20	426	439	LMTDTINEPILLCR	R	F	1,704.87
5240	TOP1 DNA topoisomerase 1	IPI00413611	90,711.70	426	434	YIMLNPPSSR	K	I	1,096.55
5241	RRM2 Ribonucleoside-diphosphate reductase M2 subunit	IPI00011118	51,076.50	426	431	VGEYQR	R	M	751.3733
5242	SFRS4 Splicing factor, arginine/serine-rich 4	IPI00000015	56,662.00	426	441	EGRGESENAGTNQETR	R	S	1,734.76
5243	ENO1 Isoform alpha-enolase of Alpha-enolase	IPI00465248	47,152.20	427	434	NFRNPLAK	R	-	959.5421
5244	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IPI00290770,IPI00553185	60,446.30	427	437	AMTGVQWQPYR	K	A	1,353.63
5245	EIF2S3 Eukaryotic translation initiation factor 2 subunit 3	IPI00297982	51,092.20	427	440	IVLTPVCTEVEGK	K	I	1,558.81
5246	NOP5/NOP58 Nucleolar protein 5	IPI00006379	59,562.20	427	441	TYDPSGDSTLPTCSK	K	K	1,628.71
5247	NOP5/NOP58 Nucleolar protein 5	IPI00006379	59,562.20	427	441	TYDPSGDSTLPTCSK	K	K	1,628.71
5248	ATIC Bifunctional purine biosynthesis protein PURH	IPI00289499	64,598.50	427	437	YTQNSVVCYAK	K	N	1,320.59
5249	EZR Ezrin	IPI00746388,IPI00843975,IPI00872684	69,265.40	427	434	IALLEEAR	K	R	914.5306
5250	FKBP4 FK506-binding protein 4	IPI00219005	51,787.90	427	445	AEASSGDHPTDTEMKEEQK	K	S	2,105.89
5251	ADAR Isoform 2 of Double-stranded RNA-specific adenosine deaminase	IPI00025057,IPI00025058,IPI00394665,IPI00394668,IPI00760588	103,627.20	427	441	YLNTNPVGGLLLEYAR	R	S	1,679.88
5252	PDCD6IP PDCD6IP protein	IPI00246058	96,802.50	428	443	SVIEQGGIQTVDQLIK	R	E	1,727.95
5253	RDX Radixin, isoform CRA_a	IPI00017367,IPI00903145	71,032.60	428	436	IALLEEAKK	K	K	1,014.62
5254	ZMPSTE24 CAAX prenyl protease 1 homolog	IPI00027180	54,798.00	428	437	AKDLYSALIK	K	L	1,121.66
5255	RACGAP1 Rac GTPase-activating protein 1	IPI00152946	71,009.80	428	437	NLKEPLTFR	R	L	1,230.72
5256	MSN Moesin	IPI00219365,IPI00872814	67,803.80	428	435	ISQLEMAR	R	Q	947.4979
5257	TBL2 Transducin beta-like 2 protein	IPI00000948	49,780.50	428	440	LQQQLTQAQETLK	R	S	1,528.83
5258	TFRC Transferrin receptor protein 1	IPI00022462	84,855.60	429	439	LAQMFSDMVLK	K	D	1,314.64
5259	EEF2 Elongation factor 2	IPI00186290	95,322.10	429	439	IMGPNYTPGKK	R	E	1,205.63
5260	RUVBL2 RuvB-like 2	IPI00009104	51,140.10	429	438	VYSLFLDESR	R	S	1,228.62
5261	EEF2 Elongation factor 2	IPI00186290	95,322.10	429	449	IMGPNYTPGKKEDLYLKPIQR	R	T	2,477.32
5262	HSPD1 60 kDa heat shock protein, mitochondrial	IPI00784154	61,037.70	430	446	AAVEEGIVLGGGCALLR	R	C	1,684.91
5263	TOMM70A Mitochondrial import receptor subunit TOM70	IPI00015602	67,439.20	430	441	LRPESALAAQAK	R	C	1,311.74
5264	RHOT2 Isoform 1 of Mitochondrial Rho GTPase 2	IPI00465059	68,099.60	430	439	SAFLQAFLGR	K	G	1,109.61
5265	HNRNPM Isoform 1 of Heterogeneous nuclear ribonucleoprotein M	IPI00171903,IPI00383296	77,499.30	430	436	VGSEIER	R	M	789.4101

5266	EIF2AK2 Interferon-induced, double-stranded RNA-activated protein kinase	IPI00019463,IPI00385404	62,079.10	430	440	IGDFGLVTSLK	K	N	1,149.65
5267	CALD1 Isoform 5 of Caldesmon	IPI00333771	61,195.30	430	449	SAKPTKPAASDLPVPAEGVR	K	N	1,991.09
5268	GNL3 Isoform 2 of Guanine nucleotide-binding protein-like 3	IPI00003886,IPI00306380	60,527.60	430	463	AIKGPLANSILFQSSGLTNGII	R	R	3,698.98
5269	NCL Nucleolin	IPI00604620	76,597.90	430	437	EEKDIHEELPK GIAYIEFK	K	T	940.5139
5270	EEF1A1 Elongation factor 1-alpha 1	IPI00396485	50,123.20	431	439	QTVAVGVK	R	A	914.567
5271	RCC1 regulator of chromosome condensation 1 isoform a	IPI00001661,IPI00747309,IPI00787306	48,126.30	431	447	VVLSVSSGGQHTVLLVK	R	D	1,723.01
5272	EEF1A2 Elongation factor 1-alpha 2	IPI00014424	50,452.60	431	439	QTVAVGVK	R	N	914.567
5273	HSPH1 Isoform Beta of Heat shock protein 105 kDa	IPI00218993,IPI00513743	92,099.00	431	436	VLTFLLR	K	R	748.4716
5274	ATAD3A Isoform 2 of ATPase family AAA domain-containing protein 3A	IPI00295992,IPI00643435,IPI00646144	66,201.40	431	439	ATLNAFLYR	R	T	1,068.58
5275	MPP6 MAGUK p55 subfamily member 6	IPI00303280,IPI00916455,IPI00917964	61,100.80	431	442	TCILDVNPQALK	R	V	1,371.73
5276	CUGBP1 Isoform 1 of CUG-BP- and ETR-3-like factor 1	IPI00034015,IPI00218388,IPI00218389,IPI00853009	52,046.00	432	442	VFDIKQTNLSK	K	C	1,292.72
5277	PDE12 Isoform 1 of 2',5'-phosphodiesterase 12	IPI00174390,IPI00886797	67,333.70	432	444	SSVLQVSVLQSTK	R	D	1,375.78
5278	RHOT1 Isoform 3 of Mitochondrial Rho GTPase 1	IPI00217536,IPI00432452,IPI00651681,IPI00759714,IPI00759775	79,531.40	432	441	SGVLQALLGR	K	N	1,013.61
5279	STIP1 Stress-induced-phosphoprotein 1	IPI00013894,IPI00871856	62,624.10	434	446	KAAALEAMKDYTK	R	A	1,439.76
5280	TARS Threonyl-tRNA synthetase, cytoplasmic	IPI00329633,IPI00908949	83,419.80	434	442	LADFGVLHR	R	N	1,027.57
5281	TCP1 T-complex protein 1 subunit alpha	IPI00290566	60,327.20	434	443	EQLAIAEFAR	R	S	1,147.61
5282	CAMK2D Isoform Delta 6 of Calcium/calmodulin-dependent protein kinase type II delta chain	IPI00172636,IPI00430291,IPI00827573,IPI00827625,IPI00876923	54,111.10	434	445	LTQYMDGSGMPK	R	T	1,359.59
5283	TARS Threonyl-tRNA synthetase, cytoplasmic	IPI00329633,IPI00908949	83,419.80	434	454	LADFGVLHRNELSGALTGLTR	R	V	2,240.21
5284	STIP1 Stress-induced-phosphoprotein 1	IPI00013894,IPI00871856	62,624.10	435	446	AAALEAMKDYTK	K	A	1,327.66
5285	NONO Non-POU domain-containing octamer-binding protein	IPI00304596	54,213.60	435	456	FGQAATMEGIGAIGGTPPAFN	R	A	2,179.06
5286	HSP90B1 Endoplasmic	IPI00027230	92,453.70	435	448	GVVSDDDLPLNVSR	K	E	1,485.75
5287	CORO1C Coronin-1C_i3 protein	IPI00867509	58,930.80	435	444	NADPILISLK	K	H	1,083.64
5288	PFKP 6-phosphofructokinase type C	IPI00009790	85,579.40	435	442	VGIADGHR	R	M	824.4374
5289	DHX9 ATP-dependent RNA helicase A	IPI00844578	140,943.50	435	446	AAECNIVVTQPR	R	R	1,357.69
5290	DHX9 ATP-dependent RNA helicase A	IPI00844578	140,943.50	435	446	AAECNIVVTQPR	R	R	1,357.69
5291	RARS Isoform Complexed of Arginyl-tRNA synthetase, cytoplasmic	IPI00004860	75,364.00	436	451	VFHAGFGVVLGEDKKK	R	F	1,730.96
5292	SARS Seryl-tRNA synthetase, cytoplasmic	IPI00220637,IPI00514587	58,760.60	436	448	TICAILENYQTEK	R	G	1,582.78
5293	GMPS GMP synthase [glutamine-hydrolyzing]	IPI00029079	76,698.70	436	446	HPFPGPLAIR	R	V	1,161.65
5294	GDI1 Rab GDP dissociation inhibitor alpha	IPI00010154,IPI00910113	50,566.10	437	447	KQNDVFGAEAQ	R	-	1,264.58
5295	PFKM cDNA FLJ44241 fis, clone THYMU3008436, highly similar to 6-phosphofructokinase, muscle type	IPI00465179,IPI00743142	93,203.30	437	445	KFDEALKLR	K	G	1,119.65
5296	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	437	449	SLTNDWEDHLAVK	K	H	1,527.74
5297	ATP2A2 Isoform SERCA2A of Sarcoplasmic/endoplasmic reticulum calcium ATPase 2	IPI00177817,IPI00219078,IPI00747443	109,674.90	437	451	VGEATETALTCLVEK	K	M	1,620.82
5298	UTP18 U3 small nucleolar RNA-associated protein 18 homolog	IPI00000733	64,046.80	437	452	FVDEGSLYGLSIATSR	R	N	1,714.86
5299	MCCC1 Methylcrotonoyl-CoA carboxylase subunit alpha, mitochondrial	IPI00024580,IPI00792499	80,455.60	437	444	LVVWAADR	K	Q	929.5203
5300	ACTN4 Alpha-actinin-4	IPI00013808	104,839.20	438	450	HRDYETATLSDIK	K	A	1,548.77
5301	ATIC Bifunctional purine biosynthesis protein PURH	IPI00289499	64,598.50	438	451	NGQVIGIGAGQQSR	K	I	1,384.73
5302	NCL Nucleolin	IPI00604620	76,597.90	438	449	TEADAEKTFEEK	K	Q	1,397.64
5303	DDX5 Probable ATP-dependent RNA helicase DDX5	IPI00017617	69,131.70	438	451	TGTAYTFFTPNNIK	K	Q	1,574.79
5304	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IPI00290770,IPI00553185	60,446.30	438	448	AVAQALEVIPR	R	T	1,166.69

5305	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IPI00290770,IPI00553185	60,446.30	438	448	AVAQALEVIPR	R	T	1,166.69
5306	KPNA1 Importin subunit alpha-1	IPI00303292	60,232.00	439	452	IVQVALNGLLENILR	K	L	1,551.92
5307	EEF2 Elongation factor 2	IPI00186290	95,322.10	439	449	KEDLYLKPIQR	K	T	1,402.81
5308	- cDNA FLJ53381, highly similar to Monocarboxylate transporter 1	IPI00910164	51,820.20	440	459	ESKEEETSIDVAGKPNEVTK	K	A	2,190.08
5309	- cDNA FLJ53381, highly similar to Monocarboxylate transporter 1	IPI00910164	51,820.20	440	459	ESKEEETSIDVAGKPNEVTK	K	A	2,190.08
5310	CCT8 T-complex protein 1 subunit theta	IPI00784090	59,603.00	440	450	KFAEAFEAIPIR	K	A	1,278.68
5311	CCT8 T-complex protein 1 subunit theta	IPI00784090	59,603.00	441	450	FAEAFEAIPIR	K	A	1,150.59
5312	SMU1 WD40 repeat-containing protein SMU1	IPI00305833	57,526.80	441	453	EGGDFVCCALSPR	R	G	1,467.64
5313	CCT7 T-complex protein 1 subunit eta	IPI00018465	59,349.80	441	447	ALEIIPR	K	Q	811.5037
5314	BRD2 Isoform 1 of Bromodomain-containing protein 2	IPI00014414,IPI00797929,IPI00893088,IPI00893622	88,045.30	441	449	KLQDVFEFR	R	Y	1,181.63
5315	CCT4 T-complex protein 1 subunit delta	IPI00302927,IPI00873222	57,907.90	442	452	TLSGMESYCVR	R	A	1,302.58
5316	KPNA6 cDNA FLJ53229, highly similar to Importin alpha-7 subunit	IPI00747764	60,563.50	442	455	IVQVALNGLLENILR	K	L	1,551.92
5317	SRP72 Signal recognition particle 72 kDa protein	IPI00215888	74,590.30	443	451	SPAHLSLIR	K	E	993.584
5318	PFKP 6-phosphofructokinase type C	IPI00009790	85,579.40	443	455	MLAIYDGFDFGFAK	R	G	1,447.69
5319	TARS Threonyl-tRNA synthetase, cytoplasmic	IPI00329633,IPI00908949	83,419.80	443	454	NELSGALTGLTR	R	V	1,231.66
5320	ATP6V1A V-type proton ATPase catalytic subunit A	IPI00007682	68,287.40	443	456	KHFPSVNWLISYSK	R	Y	1,705.91
5321	TCP1 T-complex protein 1 subunit alpha	IPI00290566	60,327.20	444	466	LLLVIPNTLAVNAAQDSTDLVA	R	L	2,353.30
5322	PTBP1 Isoform 1 of Polypyrimidine tract-binding protein 1	IPI00179964,IPI00183626,IPI00334175	57,204.50	445	471	NFQNIFFPSATLHLSNIPPSVS EEDLK	K	V	2,994.52
5323	RUVBL1 Isoform 1 of RuvB-like 1	IPI00021187	50,211.40	446	456	ILADQQDKYMK	K	-	1,368.68
5324	FKBP4 FK506-binding protein 4	IPI00219005	51,787.90	446	459	SNTAGSQSQVETEA	K	-	1,408.62
5325	ATP1A1 Isoform Long of Sodium/potassium-transporting ATPase subunit alpha-1	IPI00006482,IPI00646182	112,881.50	446	458	AVAGDASESALLK	R	C	1,231.65
5326	GEMIN4 Component of gems 4	IPI00027717	119,975.10	446	456	ALFREPDVLVLR	R	L	1,328.77
5327	- cDNA FLJ54408, highly similar to Heat shock 70 kDa protein 1	IPI00911039	63,907.90	446	454	ITITNDKGR	K	L	1,017.57
5328	SEPT9 septin 9 isoform a	IPI00784614,IPI00784808,IPI00784936	65,384.30	446	454	ADTLTLEER	K	V	1,047.53
5329	STIP1 Stress-induced-phosphoprotein 1	IPI00013894,IPI00871856	62,624.10	447	453	AMDVYQK	K	A	870.4027
5330	TKT cDNA FLJ54957, highly similar to Transketolase	IPI00643920	68,725.40	447	464	SVPTSTVFYPSDGVATEK	R	A	1,884.92
5331	ACSL3 Long-chain-fatty-acid--CoA ligase 3	IPI00031397	80,405.10	447	461	LLLCGGAPLSATTQR	R	F	1,557.84
5332	GMPS GMP synthase [glutamine-hydrolyzing]	IPI00029079	76,698.70	447	467	VICAEPEYICKDFPETNNILK	R	I	2,553.24
5333	XRN2 Isoform 1 of 5'-3' exoribonuclease 2	IPI00100151,IPI00788157	108,567.60	447	458	NSPGSQVASNPR	R	Q	1,213.59
5334	DDX27 Probable ATP-dependent RNA helicase DDX27	IPI00293078	89,820.10	447	460	EGDREAIVAALLTR	R	T	1,513.83
5335	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	448	458	AMTKDNLLGR	R	F	1,248.64
5336	CCT7 T-complex protein 1 subunit eta	IPI00018465	59,349.80	448	463	QLCDNAGFDATNILNK	R	L	1,793.85
5337	EZR Ezrin	IPI00746388,IPI00843975,IPI00872684	69,265.40	448	457	AKEAQDDLK	R	T	1,116.59
5338	API5 Isoform 2 of Apoptosis inhibitor 5	IPI00554742,IPI00555572,IPI00855856	56,754.30	449	455	VEIQKQR	K	A	829.4891
5339	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IPI00290770,IPI00553185	60,446.30	449	460	TLIQNCGASTIR	R	L	1,333.69
5340	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IPI00290770,IPI00553185	60,446.30	449	460	TLIQNCGASTIR	R	L	1,333.69
5341	KHSRP KH-type splicing regulatory protein	IPI00479786,IPI00855957	73,097.60	449	462	AINQQTGAFVEISR	K	Q	1,533.80
5342	HNRNPL Heterogeneous nuclear ribonucleoprotein L	IPI00027834	64,114.80	449	455	LNVCVSK	K	Q	819.4393
5343	MSN Moesin	IPI00219365,IPI00872814	67,803.80	449	458	AQMVQEDLEK	K	T	1,206.57
5344	HSPA5 HSPA5 protein	IPI00003362	72,405.60	449	465	SQIFSTASDNQPTVTIK	K	V	1,836.93
5345	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	450	460	HFSVEGQLEFR	K	A	1,348.66
5346	CCT6A T-complex protein 1 subunit zeta	IPI00027626,IPI00552590	58,007.30	450	465	VLAQNSGFDLQETLVK	K	I	1,761.94

5347	HNRNPUL1 Isoform 1 of Heterogeneous nuclear ribonucleoprotein U-like protein 1	IPI00013070,IPI00167147	95,721.70	450	461	YNILGTNAIMDK	K	M	1,368.68
5348	DHX15 Putative pre-mRNA-splicing factor ATP-dependent RNA helicase DHX15	IPI00396435	90,917.20	451	463	IRVESLLVTAISK	R	A	1,428.88
5349	EEF1G cDNA FLJ56389, highly similar to Elongation factor 1-gamma	IPI00000875,IPI00747497	56,132.90	451	464	KLDPGSEETQTLVR	R	E	1,572.82
5350	UBA1 Ubiquitin-like modifier-activating enzyme 1	IPI00645078	117,832.30	451	465	YDQQVAVFGSDLQEK	R	L	1,655.79
5351	DDX42 Isoform 1 of ATP-dependent RNA helicase DDX42	IPI00409671,IPI00829889	102,958.90	451	458	DILIDPIR	R	V	954.5621
5352	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	451	456	LSELLR	R	Y	730.4458
5353	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	451	456	LSELLR	R	Y	730.4458
5354	EEF1G cDNA FLJ56389, highly similar to Elongation factor 1-gamma	IPI00000875,IPI00747497	56,132.90	452	464	LDPGSEETQTLVR	K	E	1,444.73
5355	TTL12 Tubulin-tyrosine ligase-like protein 12	IPI00029048,IPI00879002	74,385.70	452	461	YIESPVLFLR	K	E	1,236.70
5356	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	452	458	DNNLLGR	K	F	801.4214
5357	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	452	458	DNNLLGR	K	F	801.4214
5358	DDX3X ATP-dependent RNA helicase DDX3X	IPI00215637	73,227.70	452	475	KGADSLEDFLYHEGYACTSIH GDR	K	S	2,741.23
5359	IGF2BP1 Insulin-like growth factor 2 mRNA-binding protein 1	IPI00008557	63,438.30	453	465	MVIITGPPEAQFK	R	A	1,446.77
5360	IGF2BP3 Isoform 1 of Insulin-like growth factor 2 mRNA-binding protein 3	IPI00658000	63,702.90	453	465	MVIITGPPEAQFK	R	A	1,446.77
5361	PARP1 Poly [ADP-ribose] polymerase 1	IPI00449049	113,069.80	453	467	VVSEDFLQDVSASTK	R	S	1,624.81
5362	PARP1 Poly [ADP-ribose] polymerase 1	IPI00449049	113,069.80	453	467	VVSEDFLQDVSASTK	R	S	1,624.81
5363	STIP1 Stress-induced-phosphoprotein 1	IPI00013894,IPI00871856	62,624.10	454	470	ALDLSSCKEADGYQR	K	C	1,898.86
5364	STIP1 Stress-induced-phosphoprotein 1	IPI00013894,IPI00871856	62,624.10	454	462	ALDLSSCK	K	E	1,008.47
5365	LOC442497;SLC3A2 4F2 cell-surface antigen heavy chain	IPI00027493,IPI00554481,IPI00554611,IPI00554702,IPI00554722,IPI00604710	57,929.40	455	461	HWDQNER	R	F	984.4282
5366	- cDNA FLJ54408, highly similar to Heat shock 70 kDa protein 1	IPI00911039	63,907.90	455	462	LSKEEIER	R	M	1,003.54
5367	COPG Coatamer subunit gamma	IPI00783982	97,701.40	455	465	ILHLLGQEGPK	R	T	1,204.71
5368	LCP1 Plastin-2	IPI00010471	70,274.10	456	468	KLENCNYAVELGK	K	N	1,537.77
5369	PFKP 6-phosphofructokinase type C	IPI00009790	85,579.40	456	480	GQIKEIGWTDVGGWTGQGG SILGTK	K	R	2,545.31
5370	HNRNPM Isoform 1 of Heterogeneous nuclear ribonucleoprotein M	IPI00171903,IPI00383296	77,499.30	457	471	MGPLGLDHMASSIER	R	M	1,645.77
5371	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	457	475	YHTSQSGDEMTSLSEYVSR	R	M	2,192.94
5372	PLS1 Plastin-1	IPI00032304,IPI00789401	70,338.30	457	469	KIENCNYAVELGK	K	N	1,537.77
5373	LCP1 Plastin-2	IPI00010471	70,274.10	457	468	LENCNYAVELGK	K	N	1,409.67
5374	NONO Non-POU domain-containing octamer-binding protein	IPI00304596	54,213.60	457	468	AAPGAEFAPNKR	R	R	1,228.64
5375	KIF2C Isoform 1 of Kinesin-like protein KIF2C	IPI00290435,IPI00645758	81,296.50	457	469	TSGQTFANSNSSR	R	S	1,356.61
5376	ANXA6 annexin VI isoform 2	IPI00002459,IPI00221226	75,262.70	457	465	ALIEILATR	K	T	999.6198
5377	EEF2 Elongation factor 2	IPI00186290	95,322.10	457	481	YVEPIEDVPCGNIVGLVGDQ FLVK	R	T	2,759.43
5378	RIC8A resistance to inhibitors of cholinesterase 8 homolog A	IPI00100106,IPI00746360,IPI00749304	60,354.80	457	465	ASINPVTGR	K	V	914.5054
5379	PLS1 Plastin-1	IPI00032304,IPI00789401	70,338.30	458	469	IENCNYAVELGK	K	N	1,409.67
5380	PLS3 plastin 3	IPI00216694	70,795.90	459	471	KLENCNYAVELGK	K	H	1,537.77
5381	SLC2A1 Solute carrier family 2, facilitated glucose transporter member 1	IPI00220194,IPI00872375,IPI00909237	54,067.30	459	468	TFDEIASGFR	R	Q	1,142.55
5382	PLS3 plastin 3	IPI00216694	70,795.90	460	471	LENCNYAVELGK	K	H	1,409.67
5383	CCT8 T-complex protein 1 subunit theta	IPI00784090	59,603.00	460	466	ANEVISK	K	L	760.4199
5384	PFKP 6-phosphofructokinase type C	IPI00009790	85,579.40	460	480	EIGWTDVGGWTGQGG SILGT K	K	R	2,119.05
5385	ATP6V1A V-type proton ATPase catalytic subunit A	IPI00007682	68,287.40	460	476	ALDEYYDKHFTEFVPLR	R	T	2,143.05
5386	ILF3 Isoform 1 of Interleukin enhancer-binding factor 3	IPI00298788	95,320.90	461	474	VLQDMGLPTGAEGR	K	D	1,443.73

5387	EIF2S3 Eukaryotic translation initiation factor 2 subunit 3	IP100297982	51,092.20	462	472	GVTIKPTVDDD	R	-	1,159.58
5388	HSPH1 Isoform Beta of Heat shock protein 105 kDa	IP100218993,IP100513743	92,099.00	462	471	FVVQNVSAQK	R	D	1,119.62
5389	ATIC Bifunctional purine biosynthesis protein PURH	IP100289499	64,598.50	462	468	ANYWWLR	K	H	1,008.50
5390	TOM1 cDNA FLJ54710, highly similar to Target of Myb protein 1	IP100023191,IP100879680,IP100913835,IP100913911	54,814.10	462	487	AADRLPNLSSPSAEGPPGPP SGPAPR	K	K	2,495.26
5391	PHGDH D-3-phosphoglycerate dehydrogenase	IP100011200	56,632.60	462	469	DLPLLLFR	R	T	986.6035
5392	- cDNA FLJ54408, highly similar to Heat shock 70 kDa protein 1	IP100911039	63,907.90	463	471	MVQEAEKYK	R	A	1,141.56
5393	STIP1 Stress-induced-phosphoprotein 1	IP100013894,IP100871856	62,624.10	463	470	EAADGYQR	K	C	909.4061
5394	- cDNA FLJ54408, highly similar to Heat shock 70 kDa protein 1	IP100911039	63,907.90	463	478	MVQEAEKYKAEDEVQR	R	E	1,952.94
5395	IGF2BP2 insulin-like growth factor 2 mRNA binding protein 2 isoform a	IP100179713,IP100180983,IP100743914	66,104.40	463	474	IAPAEGPDVSER	K	M	1,240.62
5396	TMPO Lamina-associated polypeptide 2, isoform alpha	IP100216230	75,475.80	463	478	TVVSHSLTTLGLEVAK	K	Q	1,654.94
5397	HSPD1 60 kDa heat shock protein, mitochondrial	IP100784154	61,037.70	463	470	IGIEIKR	K	T	941.6144
5398	HSPD1 60 kDa heat shock protein, mitochondrial	IP100784154	61,037.70	463	470	IGIEIKR	K	T	941.6144
5399	HNRNPU heterogeneous nuclear ribonucleoprotein U isoform a	IP100644079	90,567.20	463	484	EKPYFPIPEEYTFIQNVPLEDR	K	V	2,724.36
5400	WARS Tryptophanyl-tRNA synthetase, cytoplasmic	IP100295400	53,149.60	465	471	KLSFDFQ	R	-	884.4513
5401	GARS Glycyl-tRNA synthetase	IP100783097,IP100915808	83,123.50	465	474	SCYDLSCHAR	R	A	1,268.51
5402	TKT cDNA FLJ54957, highly similar to Transketolase	IP100643920	68,725.40	465	473	AVELAANTK	K	G	916.5098
5403	GATAD2A Isoform 1 of Transcriptional repressor p66-alpha	IP100410330,IP100444526,IP100478128	68,044.80	465	475	ALQQEQEIEQR	K	L	1,371.69
5404	UHRF1 ubiquitin-like with PHD and ring finger domains 1 isoform 2	IP100797279,IP100797945	91,082.30	466	497	SNDGAYSLVLAGGYEDDVDH GNFFTYTGSGGR	R	D	3,341.46
5405	HSPA5 HSPA5 protein	IP100003362	72,405.60	466	475	VYEGERPLTK	K	D	1,191.64
5406	DDX17 DEAD box polypeptide 17 isoform 1	IP100023785,IP100651653	80,256.00	466	480	SGKAPILIATDVASR	R	G	1,498.86
5407	XRCC5 ATP-dependent DNA helicase 2 subunit 2	IP100220834,IP100871391	82,689.10	466	481	KDEKTDLTLEDLFPPTK	K	I	1,880.95
5408	JUP Junction plakoglobin	IP100554711	81,727.90	466	477	HPEAEMAQNSVR	R	L	1,384.63
5409	CTPS CTP synthase 1	IP100290142	66,672.70	467	477	LYGDADYLEER	K	H	1,343.61
5410	GPI Glucose-6-phosphate isomerase	IP100027497	63,130.40	467	481	VFEGNRPTNSIVFTK	K	L	1,708.90
5411	CCT8 T-complex protein 1 subunit theta	IP100784090	59,603.00	467	476	LYAVHQEGNK	K	N	1,158.59
5412	PDE12 Isoform 1 of 2',5'-phosphodiesterase 12	IP100174390,IP100886797	67,333.70	468	479	LIQMAVALAHIR	R	H	1,335.79
5413	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IP100382470,IP100784295	98,147.10	468	477	RAPFDLFENR	R	K	1,264.64
5414	GATAD2B Transcriptional repressor p66-beta	IP100103554	65,243.70	468	478	ALQQEQEIEQR	K	L	1,371.69
5415	ATP2A2 Isoform SERCA2A of Sarcoplasmic/endoplasmic reticulum calcium ATPase 2	IP100177817,IP100219078,IP100747443	109,674.90	468	476	ANACNSVIK	R	Q	976.488
5416	MARS Methionyl-tRNA synthetase, cytoplasmic	IP100008240	101,099.50	468	483	TLPGSDWTPNAQFTR	R	S	1,803.90
5417	DDX17 DEAD box polypeptide 17 isoform 1	IP100023785,IP100651653	80,256.00	469	480	APILIATDVASR	K	G	1,226.71
5418	DDX17 DEAD box polypeptide 17 isoform 1	IP100023785,IP100651653	80,256.00	469	480	APILIATDVASR	K	G	1,226.71
5419	FASN Fatty acid synthase	IP100026781	273,382.00	469	477	GYAVLGGER	R	G	921.4789
5420	TCP1 T-complex protein 1 subunit alpha	IP100290566	60,327.20	469	480	AFHNEAQVNPER	R	K	1,411.67
5421	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IP100382470,IP100784295	98,147.10	469	477	APFDLFENR	R	K	1,108.54
5422	TCP1 T-complex protein 1 subunit alpha	IP100290566	60,327.20	469	481	AFHNEAQVNPERK	R	N	1,539.77
5423	HSPA9 Stress-70 protein, mitochondrial	IP100007765	73,663.30	469	485	SQVFSTAADGQTQVEIK	K	V	1,808.90
5424	SRP54 Signal recognition particle 54 kDa protein	IP100009822	55,688.30	470	485	VLHHMGGMAGLQSMRR	R	Q	1,819.81
5425	DDX5 Probable ATP-dependent RNA helicase DDX5	IP100017617	69,131.70	471	478	LLQLVEDR	K	G	985.5678
5426	DDX5 Probable ATP-dependent RNA helicase DDX5	IP100017617	69,131.70	471	478	LLQLVEDR	K	G	985.5678

5427	HSPD1 60 kDa heat shock protein, mitochondrial	IPI00784154	61,037.70	471	481	TLKIPAMTIK	R	N	1,186.72
5428	TRIM28 Isoform 1 of Transcription intermediary factor 1-beta	IPI00438229,IPI00438230	88,531.00	473	483	SGEGEVSGLMR	R	K	1,137.52
5429	TTL12 Tubulin--tyrosine ligase-like protein 12	IPI00029048,IPI00879002	74,385.70	473	478	YIVLLR	R	S	776.5029
5430	LCP1 Plastin-2	IPI00010471	70,274.10	473	488	FSLVGIGGQDLNEG NR	K	T	1,675.84
5431	LRRC40 Leucine-rich repeat-containing protein 40	IPI00152998	68,236.30	474	480	LTFDLR	K	N	877.5143
5432	CKAP4 Isoform 1 of Cytoskeleton-associated protein 4	IPI00141318,IPI00604713	66,004.20	474	491	SLGETQLVLYGDVEELKR	R	S	2,049.09
5433	RPA1 Replication protein A 70 kDa DNA-binding subunit	IPI00020127	68,121.00	474	489	ENCMYQACPTQDCNKK	K	V	2,046.81
5434	IGF2BP2 insulin-like growth factor 2 mRNA binding protein 2 isoform a	IPI00179713,IPI00180983,IPI00743914	66,104.40	475	487	MVIITGPPEAQFK	R	A	1,446.77
5435	- cDNA FLJ54554, highly similar to Pyruvate kinase isozymes M1/M2	IPI00910979	56,255.30	475	483	VNFAMNVGK	R	A	995.4979
5436	ILF3 Isoform 1 of Interleukin enhancer-binding factor 3	IPI00298788	95,320.90	475	523	DSSKGEDSAEETEAKPAVVAP APVVEAVSTPSAAFPDATAE QGPILTK GQLESIVENIR	R R K	H H I	4,852.39 4,852.39 1,257.68
5437	PFKL Isoform 1 of 6-phosphofructokinase, liver type	IPI00332371,IPI00902982	85,001.20	475	485	GQLESIVENIR	K	I	1,257.68
5438	XRCC6 ATP-dependent DNA helicase 2 subunit 1	IPI00644712	69,828.40	475	488	SDSFENPVLQQHFR	R	N	1,703.81
5439	GARS Glycyl-tRNA synthetase	IPI00783097,IPI00915808	83,123.50	475	490	ATKVPLVAEKPLKEPK	R	T	1,748.07
5440	GARS Glycyl-tRNA synthetase	IPI00783097,IPI00915808	83,123.50	475	490	ATKVPLVAEKPLKEPK	R	T	1,748.07
5441	GATAD2A Isoform 1 of Transcriptional repressor p66-alpha	IPI00410330,IPI00444526,IPI00478128	68,044.80	476	487	LLQQGTAPAQAK	R	A	1,225.69
5442	TOP2A Isoform 3 of DNA topoisomerase 2-alpha	IPI00218753,IPI00414101,IPI00478232,IPI00879004	178,700.70	477	486	LDDANDAGGR	K	N	1,003.44
5443	AARS Alanyl-tRNA synthetase, cytoplasmic	IPI00027442,IPI00910701	106,795.20	477	486	GLEVTDDSPK	R	Y	1,060.52
5444	CDC5L Cell division cycle 5-like protein	IPI00465294,IPI00909093	92,236.10	478	487	LGLLGLPAPK	R	N	978.6349
5445	NAMPT Isoform 1 of Nicotinamide phosphoribosyltransferase	IPI00018873	55,504.50	479	491	NAQLNIELEAAHH	K	-	1,459.73
5446	HNRNPM Isoform 1 of Heterogeneous nuclear ribonucleoprotein M	IPI00171903,IPI00383296	77,499.30	479	485	IGSGVER	R	M	717.389
5447	GATAD2B Transcriptional repressor p66-beta	IPI00103554	65,243.70	479	498	LQQQAALSPTTAPAVSSVSK	R	Q	1,984.07
5448	COPG Coatomer subunit gamma	IPI00783982	97,701.40	480	488	VVLEHEEVR	R	A	1,109.59
5449	COPG2 Coatomer subunit gamma-2	IPI00002557	97,606.50	480	488	VVLENEAVR	R	A	1,028.57
5450	ADD1 Isoform 1 of Alpha-adducin	IPI00019901,IPI00220158,IPI00376220	80,937.90	480	497	TSTSAVPNLFVPLNTNPK	R	E	1,900.02
5451	DDX52 Probable ATP-dependent RNA helicase DDX52	IPI00032423	67,450.30	480	499	GVNLVINYDFPTSSVEYIHR	K	I	2,323.17
5452	HSD17B4 Peroxisomal multifunctional enzyme type 2	IPI00019912	79,670.40	480	506	VAVAIIPNRPPDAVLTDTTSLNQ AALYR	K R	L V	2,866.54 2,508.21
5453	TKT cDNA FLJ54957, highly similar to Transketolase	IPI00643920	68,725.40	480	501	TSRPENAIYNNNEDFQVGQA K	R K	V W	2,508.21 1,762.78
5454	SFPQ Isoform Long of Splicing factor, proline- and glutamine-rich	IPI00010740	76,131.50	480	493	FAQHGTFEYEYSQR	R	W	1,762.78
5455	HSPD1 60 kDa heat shock protein, mitochondrial	IPI00784154	61,037.70	482	493	NAGVEGSLIVEK	K	I	1,215.66
5456	GTF3C3 Isoform 1 of General transcription factor 3C polypeptide 3	IPI00015806	101,258.20	482	493	VVDLAPLHLDAR	K	I	1,318.75
5457	PABPC1 Isoform 1 of Polyadenylate-binding protein 1	IPI00008524	70,653.30	482	506	VANTSTQTMGPRPAAAAAAA TPAVR	R K	T V	2,397.23 2,391.18
5458	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	482	502	SIYYITGESKEQVANSFVER	K	V	2,391.18
5459	EEF2 Elongation factor 2	IPI00186290	95,322.10	482	495	TGTITTFEHAHNMR	K	V	1,615.76
5460	GNL3L Guanine nucleotide-binding protein-like 3-like protein	IPI00005132,IPI00871959	65,555.30	483	495	IGDLTGYCTNPNR	K	H	1,480.69
5461	RARS Isoform Complexed of Arginyl-tRNA synthetase, cytoplasmic	IPI00004860	75,364.00	483	504	DKVLTAEELNAAQTSVAYGCI K	R K	Y V	2,381.20 1,253.68
5462	USP14 Ubiquitin carboxyl-terminal hydrolase 14	IPI00219913,IPI00640357,IPI00871297,IPI00872664	56,052.30	484	494	RVEIMEESEQ	R	-	1,394.61
5463	IGF2BP1 Insulin-like growth factor 2 mRNA-binding protein 1	IPI00008557	63,438.30	484	493	EEVKLETHIR	K	V	1,253.68
5464	MAGED2 Isoform 1 of Melanoma-associated antigen D2	IPI00009542,IPI00337823,IPI00477809	64,938.00	485	494	AAEAEEAEAK	K	A	902.4577

5465	- cDNA FLJ54408, highly similar to Heat shock 70 kDa protein 1	IPI00911039	63,907.90	485	495	NALESYAFNMK	K	S	1,287.60
5466	RARS Isoform Complexed of Arginyl-tRNA synthetase, cytoplasmic	IPI00004860	75,364.00	485	504	VLTAEEELNAAQTSVAYGCIK	K	Y	2,138.08
5467	HNRNPM Isoform 1 of Heterogeneous nuclear ribonucleoprotein M	IPI00171903,IPI00383296	77,499.30	486	496	MGAGMGFGLER	R	M	1,157.51
5468	CPNE8 cDNA FLJ25727 fis, clone TST05479	IPI00334276,IPI00384746	62,217.10	487	495	DIVQFVPPFR	R	D	1,120.62
5469	PFKP 6-phosphofructokinase type C	IPI00009790	85,579.40	487	496	YLEEIATQMR	K	T	1,253.62
5470	EHD1 EH domain-containing protein 1	IPI00017184	60,611.10	487	509	LADVDDKDGLLDDEEFALANHL IK	K	V	2,554.30
5471	KPNA2;LOC728860 Importin subunit alpha-2	IPI00002214,IPI00789457	57,844.50	487	494	ASLSLIEK	K	Y	860.5088
5472	KIF2C Isoform 1 of Kinesin-like protein KIF2C	IPI00290435,IPI00645758	81,296.50	488	498	FSLVDLAGNER	K	G	1,220.63
5473	TRIM28 Isoform 1 of Transcription intermediary factor 1-beta	IPI00438229,IPI00438230	88,531.00	488	507	VSLERLDDLTLADSQPPVFK	R	V	2,243.19
5474	COPG2 Coatomer subunit gamma-2	IPI00002557	97,606.50	489	497	AAAVSALAK	R	F	801.4828
5475	DDX3X ATP-dependent RNA helicase DDX3X	IPI00215637	73,227.70	489	503	SGKSPILVATAVAAR	R	G	1,440.85
5476	STIP1 Stress-induced-phosphoprotein 1	IPI00013894,IPI00871856	62,624.10	489	505	AMADPEVQQIMSDPAMR	R	L	1,889.86
5477	MTHFD1 C-1-tetrahydrofolate synthase, cytoplasmic	IPI00218342,IPI00794900	101,543.50	489	495	FSDIQIR	R	R	878.4731
5478	OXSRI Serine/threonine-protein kinase OSR1	IPI00010080	58,005.40	489	497	IVEEPQSNR	K	S	1,071.54
5479	EIF3L Eukaryotic translation initiation factor 3, subunit E interacting protein	IPI00465233,IPI00745266	70,886.50	489	504	VFSDEVQQQAQLSTIR	K	S	1,848.95
5480	TOP1 DNA topoisomerase 1	IPI00413611	90,711.70	489	508	AGNEKEEGETADTVGCCSLR	R	V	2,182.93
5481	XRCC5 ATP-dependent DNA helicase 2 subunit 2	IPI00220834,IPI00871391	82,689.10	490	497	LFQCLLHR	R	A	1,086.59
5482	PKM2 Isoform M1 of Pyruvate kinase isozymes M1/M2	IPI00220644,IPI00479186	58,044.60	490	498	VNFAMNVGK	R	A	995.4979
5483	RPA1 Replication protein A 70 kDa DNA-binding subunit	IPI00020127	68,121.00	490	499	VIDQQNGLYR	K	C	1,205.63
5484	CCT4 T-complex protein 1 subunit delta	IPI00302927,IPI00873222	57,907.90	490	496	TAGINVR	K	K	730.4206
5485	QRICH1 Glutamine-rich protein 1	IPI00328200	86,415.20	490	500	NAELEKDAQNR	K	L	1,287.63
5486	KIFC1 Kinesin-like protein KIFC1	IPI00306400	73,730.10	490	503	AGPGSEELVTNAR	R	Y	1,401.70
5487	LMNA Isoform A of Lamin-A/C	IPI00021405	74,122.60	491	515	AGQVVTIWAAGAGATHSPPT DLVWK	K	A	2,533.32
5488	GARS Glycyl-tRNA synthetase	IPI00783097,IPI00915808	83,123.50	491	501	TVNVVQFEPESK	K	G	1,247.66
5489	DDX3X ATP-dependent RNA helicase DDX3X	IPI00215637	73,227.70	492	503	SPILVATAVAAR	K	G	1,168.70
5490	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	492	502	EQVANSAFVER	K	V	1,249.62
5491	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	492	502	EQVANSAFVER	K	V	1,249.62
5492	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	492	502	EQVANSAFVER	K	V	1,249.62
5493	TRIM28 Isoform 1 of Transcription intermediary factor 1-beta	IPI00438229,IPI00438230	88,531.00	493	507	LDLTLADSQPPVFK	R	V	1,658.86
5494	MCM2 DNA replication licensing factor MCM2	IPI00184330	101,880.10	494	505	GLALALFGGEPK	R	N	1,172.67
5495	IGF2BP3 Isoform 1 of Insulin-like growth factor 2 mRNA-binding protein 3	IPI00658000	63,702.90	494	501	VPSFAAGR	R	V	804.4362
5496	SFPQ Isoform Long of Splicing factor, proline- and glutamine-rich	IPI00010740	76,131.50	496	505	SLDEMEKQQR	K	E	1,279.59
5497	- cDNA FLJ54408, highly similar to Heat shock 70 kDa protein 1	IPI00911039	63,907.90	496	504	SAVEDEGLK	K	G	947.4681
5498	- cDNA FLJ54408, highly similar to Heat shock 70 kDa protein 1	IPI00911039	63,907.90	496	506	SAVEDEGLKGGK	K	I	1,132.58
5499	PFKM cDNA FLJ44241 fis, clone THYMU3008436, highly similar to 6-phosphofructokinase, muscle type	IPI00465179,IPI00743142	93,203.30	496	503	IGLIQGNR	R	V	870.5157
5500	MATR3 Matrin-3	IPI00017297,IPI00789551	94,608.70	497	515	VIHLSNLPHSGYSDSAVLK	R	L	2,037.08
5501	TCP1 T-complex protein 1 subunit alpha	IPI00290566	60,327.20	497	510	DNKQAGVFPEPTIVK	R	V	1,545.83
5502	HNRNPM Isoform 1 of Heterogeneous nuclear ribonucleoprotein M	IPI00171903,IPI00383296	77,499.30	497	503	MAAPIDR	R	V	773.3975
5503	ACTN4 Alpha-actinin-4	IPI00013808	104,839.20	498	512	ICDQWDALGSLTHSR	K	R	1,758.82

5504	RRM1 Ribonucleoside-diphosphate reductase large subunit	IPI00013871	90,055.50	498	516	HRPIGIGVQGLADAFILMR	R	Y	2,080.15
5505	ATP6V1A V-type proton ATPase catalytic subunit A	IPI00007682	68,287.40	499	513	ASLAETDKITLEVAK	K	L	1,588.88
5506	PSMD3 26S proteasome non-ATPase regulatory subunit 3	IPI00011603	60,961.60	500	511	SYNKDLESAEER	K	R	1,440.66
5507	CCT7 T-complex protein 1 subunit eta	IPI00018465	59,349.80	500	524	INALTAASEAACLIVSVDETIKN PR	R	S	2,656.40
5508	RANGAP1 Ran GTPase-activating protein 1	IPI00294879	63,525.30	501	515	AFNSSSFNSNTFLTR	K	L	1,692.80
5509	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	70,881.80	501	509	ITITNDKGR	K	L	1,017.57
5510	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	501	509	ITITNDKGR	K	L	1,017.57
5511	TMPO Lamina-associated polypeptide 2, isoform alpha	IPI00216230	75,475.80	501	511	VIEEWWQQVDR	K	Q	1,430.69
5512	HNRNPUL1 Isoform 1 of Heterogeneous nuclear ribonucleoprotein U-like protein 1	IPI00013070,IPI00167147	95,721.70	501	515	NYILDQTNVYGSAQR	R	R	1,741.85
5513	LCP1 Plastin-2	IPI00010471	70,274.10	502	515	YTLNILEEIGGGQK	R	V	1,534.81
5514	TOP2A Isoform 3 of DNA topoisomerase 2-alpha	IPI00218753,IPI00414101,IPI00478232,IPI00879004	178,700.70	503	514	TLAVSGLGVVGR	K	D	1,128.67
5515	TOP2A Isoform 3 of DNA topoisomerase 2-alpha	IPI00218753,IPI00414101,IPI00478232,IPI00879004	178,700.70	503	514	TLAVSGLGVVGR	K	D	1,128.67
5516	CORO1C Coronin-1C_i3 protein	IPI00867509	58,930.80	503	514	SIKDTICNQDER	K	I	1,478.69
5517	CORO1C Coronin-1C_i3 protein	IPI00867509	58,930.80	503	514	SIKDTICNQDER	K	I	1,478.69
5518	PFKM cDNA FLJ44241 fis, clone THYMU3008436, highly similar to 6-phosphofructokinase, muscle type	IPI00465179,IPI00743142	93,203.30	504	516	VLVVDHGFEGFLAK	R	G	1,383.76
5519	HNRNPM Isoform 1 of Heterogeneous nuclear ribonucleoprotein M	IPI00171903,IPI00383296	77,499.30	504	510	VGQTIER	R	M	802.4418
5520	PLS3 plastin 3	IPI00216694	70,795.90	505	518	YTLNVLEDLGDGQK	R	A	1,564.79
5521	EIF4G2 cDNA FLJ59571, highly similar to Eukaryotic translation initiation factor 4gamma 2	IPI00015952	110,247.70	505	528	SQGLSQLYHNQSQGLLSQLQ	K	D	2,629.33
5522	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	505	526	GQSK KRGFEVVMTEPIDEYCVQQ	R	E	2,732.34
5523	MTHFD1 C-1-tetrahydrofolate synthase, cytoplasmic	IPI00218342,IPI00794900	101,543.50	505	517	LK TDPPTLTDEEINR	K	F	1,504.71
5524	RARS Isoform Complexed of Arginyl-tRNA synthetase, cytoplasmic	IPI00004860	75,364.00	505	512	YADLSHNR	K	L	975.4642
5525	TARS Threonyl-tRNA synthetase, cytoplasmic	IPI00329633,IPI00908949	83,419.80	505	517	FLGDIEVWDQAEK	K	Q	1,549.75
5526	TKT cDNA FLJ54957, highly similar to Transketolase	IPI00643920	68,725.40	506	532	SKDDQVTVIGAGVTLHEALAA	K	E	2,777.54
5527	LAP3 Isoform 1 of Cytosol aminopeptidase	IPI00419237,IPI00789806	56,149.70	506	513	AELLKK TLIEFLLR	R	F	1,004.61
5528	CKAP4 Isoform 1 of Cytoskeleton-associated protein 4	IPI00141318,IPI00604713	66,004.20	506	523	VQEQVHTLLSQDQAQAAR	K	L	2,022.04
5529	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	507	526	GFEVVMTEPIDEYCVQQLK	R	E	2,464.14
5530	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IPI00290770,IPI00553185	60,446.30	507	517	TAVETAVLLLR	K	I	1,185.72
5531	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IPI00290770,IPI00553185	60,446.30	507	517	TAVETAVLLLR	K	I	1,185.72
5532	JUP Junction plakoglobin	IPI00554711	81,727.90	507	526	NLALCPANHAPLQEAIVPR	R	L	2,155.14
5533	EEF2 Elongation factor 2	IPI00186290	95,322.10	507	519	VAVEAKNPADLPK	R	L	1,351.76
5534	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	507	531	GFEVVMTEPIDEYCVQQLK EFDGK	R	S	3,040.40
5535	NARS Asparaginyl-tRNA synthetase, cytoplasmic	IPI00306960	62,926.20	508	522	YGTCPHGGYGLGLER	K	F	1,636.75
5536	TRIM28 Isoform 1 of Transcription intermediary factor 1-beta	IPI00438229,IPI00438230	88,531.00	508	524	VFPGSTTEDYNLIVIER	K	G	1,953.00
5537	IGF2BP3 Isoform 1 of Insulin-like growth factor 2 mRNA-binding protein 3	IPI00658000	63,702.90	509	525	TVNELQNLSSAEVVVPR	K	D	1,854.99
5538	IGF2BP1 Insulin-like growth factor 2 mRNA-binding protein 1	IPI00008557	63,438.30	509	525	TVNELQNLTAEEVVVPR	K	D	1,853.01
5539	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	509	522	GVVDSDELPLNISR	R	E	1,513.79
5540	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	509	522	GVVDSDELPLNISR	R	E	1,513.79

5541	HNRNPUL2 Heterogeneous nuclear ribonucleoprotein U-like protein 2	IP100456887	85,087.20	509	521	DLLVQQASQCLSK	R	L	1,489.77
5542	CXorf15 Gamma-taxilin	IP100019994	60,568.50	510	528	SAVQKPPSTGSAPAIESVD	R	-	1,840.93
5543	ZGPAT Isoform 1 of Zinc finger CCCH-type with G patch domain-containing protein	IP100553175,IP100641397,IP100719070	57,340.70	510	520	AQEAGLQQEQR	R	K	1,257.62
5544	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IP100003865	70,881.80	510	517	LSKEDIER	R	M	989.5263
5545	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IP100304925	70,036.00	510	517	LSKEEIER	R	M	1,003.54
5546	ACACA Isoform 1 of Acetyl-CoA carboxylase 1	IP100011569,IP100396015,IP100396018,IP100793409,IP100847501	265,538.40	510	532	ITSENPDGEGFKPSSGTVQELN	R	S	2,552.23
5547	CCT8 T-complex protein 1 subunit theta	IP100784090	59,603.00	510	520	LATNAAVTVLR	K	V	1,128.67
5548	RDX Radixin, isoform CRA_a	IP100017367,IP100903145	71,032.60	510	523	SEEEVRTETQKNER	R	V	1,734.83
5549	DDX3X ATP-dependent RNA helicase DDX3X	IP100215637	73,227.70	512	528	HVINFDLPSDIEEYVHR	K	I	2,083.02
5550	HSP90B1 Endoplasmic	IP100027230	92,453.70	512	530	FQSSHPTDITSLDQYVER	R	M	2,260.06
5551	DDX52 Probable ATP-dependent RNA helicase DDX52	IP100032423	67,450.30	512	525	AITFFTEDDKPLLR	K	S	1,665.88
5552	XPNPEP1 Isoform 2 of Xaa-Pro aminopeptidase 1	IP100607814,IP100645898,IP100793375	67,210.10	512	522	IENVVLVVPVK	R	T	1,208.76
5553	TCP1 T-complex protein 1 subunit alpha	IP100290566	60,327.20	513	526	SLKFATEAAITILR	K	I	1,533.90
5554	EEF2 Elongation factor 2	IP100186290	95,322.10	513	519	NPADLPK	K	L	754.4095
5555	RARS Isoform Complexed of Arginyl-tRNA synthetase, cytoplasmic	IP100004860	75,364.00	513	522	LNDYIFSFDK	R	M	1,261.61
5556	TCP1 T-complex protein 1 subunit alpha	IP100290566	60,327.20	516	526	FATEAAITILR	K	I	1,205.69
5557	LMNA Isoform A of Lamin-A/C	IP100021405	74,122.60	516	527	AQNTWGCNLSLR	K	T	1,363.62
5558	DDX5 Probable ATP-dependent RNA helicase DDX5	IP100017617	69,131.70	517	524	GYSSLLKR	R	D	923.5309
5559	HNRNPU heterogeneous nuclear ribonucleoprotein U isoform a	IP100644079	90,567.20	517	536	HAAENPGKYNILGTNTIMDK	K	M	2,187.09
5560	RRM1 Ribonucleoside-diphosphate reductase large subunit	IP100013871	90,055.50	517	529	YPFESAEQLLNK	R	Q	1,509.76
5561	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IP100003865	70,881.80	518	526	MVQEAKEYK	R	A	1,141.56
5562	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IP100304925	70,036.00	518	526	MVQEAKEYK	R	A	1,141.56
5563	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IP100304925	70,036.00	518	533	MVQEAKEYKAEDEVQR	R	E	1,952.94
5564	RBM14;RBM4 Isoform 1 of RNA-binding protein 14	IP100013174	69,474.30	518	541	TQSSASLAASYAAQQHPQAA	R	G	2,465.18
5565	CCT3 chaperonin containing TCP1, subunit 3 isoform b	IP100290770,IP100553185	60,446.30	518	526	IDDIVSGHK	R	K	983.5158
5566	HNRNPUL1 Isoform 1 of Heterogeneous nuclear ribonucleoprotein U-like protein 1	IP100013070,IP100167147	95,721.70	518	526	MRPFEGFQR	K	K	1,183.57
5567	AIFM1 Isoform 1 of Apoptosis-inducing factor 1, mitochondrial	IP100000690,IP100157908	66,883.50	519	529	SATEQSGTGIR	K	S	1,106.54
5568	PLS3 plastin 3	IP100216694	70,795.90	519	530	ANDDIIVNVVNR	K	T	1,428.72
5569	BRD2 Isoform 1 of Bromodomain-containing protein 2	IP100014414,IP100797929,IP100893088,IP100893622	88,045.30	520	528	LAELQEQLR	R	A	1,099.61
5570	UHRF1 ubiquitin-like with PHD and ring finger domains 1 isoform 2	IP100797279,IP100797945	91,082.30	520	538	ALALNCFAPINDQEGAEAK	R	D	2,031.98
5571	UHRF1 ubiquitin-like with PHD and ring finger domains 1 isoform 2	IP100797279,IP100797945	91,082.30	520	541	ALALNCFAPINDQEGAEAKD	R	S	2,489.19
5572	MTHFD1 C-1-tetrahydrofolate synthase, cytoplasmic	IP100218342,IP100794900	101,543.50	521	532	LDIDPETITWQR	R	V	1,486.75
5573	NCL Nucleolin	IP100604620	76,597.90	522	537	SKGYAFIEFASFEDAK	K	E	1,809.87
5574	PGM1 Isoform 2 of Phosphoglucomutase-1	IP100217872,IP100219526,IP100844159	63,775.10	522	533	LSGTGSAGATIR	R	L	1,090.59
5575	SLC1A5 Neutral amino acid transporter B(0)	IP100019472	56,581.80	523	541	HYRGPAGDATVASEKESVM	K	-	2,020.94
5576	CDC2L2 Isoform SV7 of PITSLRE serine/threonine-protein kinase CDC2L2	IP100024414,IP100070809,IP100071185,IP100071188,IP100071189,IP10099746,IP100215999,IP100219508,IP100334381,IP100337617,IP100376979,IP100376980,IP100376983,IP100395687,IP100641338,IP100642438,IP100736011,IP100759690,IP100816795,IP100829719,IP100847441,IP100871359	90,614.30	523	530	TLMIQLLR	K	G	987.6021
5577	XRN2 Isoform 1 of 5'-3' exoribonuclease 2	IP100100151,IP100788157	108,567.60	523	535	NKFDVDAADEKFR	K	R	1,554.75
5578	ILF3 Isoform 1 of Interleukin enhancer-binding factor 3	IP100298788	95,320.90	524	535	HGKNPVMELNEK	K	R	1,395.71

5579	DDX18 ATP-dependent RNA helicase DDX18	IPI00301323	75,391.70	524	539	GHALLILRPEELGFLR	R	Y	1,834.07
5580	PSMD1 Isoform 1 of 26S proteasome non-ATPase regulatory subunit 1	IPI00299608,IPI00456695	105,821.20	525	543	NAQAIEDMVGYAQETQHEK	K	I	2,161.98
5581	HNRNPM Isoform 1 of Heterogeneous nuclear ribonucleoprotein M	IPI00171903,IPI00383296	77,499.30	525	531	MGLSMER	R	M	855.37
5582	HNRNPU heterogeneous nuclear ribonucleoprotein U isoform a	IPI00644079	90,567.20	525	536	YNILGTNTIMDK	K	M	1,398.69
5583	SLC1A5 Neutral amino acid transporter B(0)	IPI00019472	56,581.80	526	541	GPAGDATVASEKESVM	R	-	1,564.72
5584	DDX52 Probable ATP-dependent RNA helicase DDX52	IPI00032423	67,450.30	526	543	SVANVIQQAGCPVPEYIK	R	G	1,973.02
5585	IGF2BP1 Insulin-like growth factor 2 mRNA-binding protein 1	IPI00008557	63,438.30	526	538	DQTPDENDQVIVK	R	I	1,500.72
5586	IGF2BP3 Isoform 1 of Insulin-like growth factor 2 mRNA-binding protein 3	IPI00658000	63,702.90	526	538	DQTPDENDQVVVK	R	I	1,486.70
5587	KPNB1 Importin subunit beta-1	IPI00001639	97,153.30	526	537	SSAYESLMEIVK	R	N	1,356.67
5588	JUP Junction plakoglobin	IPI00554711	81,727.90	527	533	LVQLLVK	R	A	812.5605
5589	ARCN1 Putative uncharacterized protein DKFZp686M09245	IPI00298520,IPI00514053	61,581.40	527	537	VTQVDGNSPVR	K	F	1,171.61
5590	SND1 Staphylococcal nuclease domain-containing protein 1	IPI00140420,IPI00910438	101,980.50	527	539	SEAVVEYVFSGSR	R	L	1,429.70
5591	SRP68 Isoform 2 of Signal recognition particle 68 kDa protein	IPI00102936,IPI00168388	67,287.70	527	539	FETFCLDPSLVTK	R	Q	1,556.77
5592	UBA1 Ubiquitin-like modifier-activating enzyme 1	IPI00645078	117,832.30	527	537	LKSDTAAAVR	K	Q	1,102.62
5593	HNRNPUL1 Isoform 1 of Heterogeneous nuclear ribonucleoprotein U-like protein 1	IPI00013070,IPI00167147	95,721.70	527	541	KAIVICPTDEDLKDR	R	T	1,772.92
5594	CCT4 T-complex protein 1 subunit delta	IPI00302927,IPI00873222	57,907.90	528	539	SILKIDDVVNTR	R	-	1,372.78
5595	LMNA Isoform A of Lamin-A/C	IPI00021405	74,122.60	528	541	TALINSTGEEVAMR	R	K	1,491.75
5596	COPG Coatamer subunit gamma	IPI00783982	97,701.40	528	538	ATFYLNVLQEK	R	Q	1,325.71
5597	COPG2 Coatamer subunit gamma-2	IPI00002557	97,606.50	528	538	ATFYLNVLQQR	R	Q	1,352.73
5598	GNL3L Guanine nucleotide-binding protein-like 3-like protein	IPI00005132,IPI00871959	65,555.30	529	546	IMETDPLQQGQALASALK	R	N	1,930.00
5599	BRD2 Isoform 1 of Bromodomain-containing protein 2	IPI00014414,IPI00797929,IPI00893088,IPI00893622	88,045.30	529	546	AVHEQLAALSQGPISKPK	R	R	1,874.05
5600	ZNF503 Isoform 1 of Zinc finger protein 503	IPI00304992	62,538.00	529	540	FATSEELLSHLR	R	T	1,402.73
5601	CPNE8 cDNA FLJ25727 fis, clone TST05479	IPI00334276,IPI00384746	62,217.10	531	552	GIKPSPAPPYPPTHVLQTQI	R	-	2,339.28
5602	STIP1 Stress-induced-phosphoprotein 1	IPI00013894,IPI00871856	62,624.10	531	543	IQKLMVDVGLAIR	K	-	1,485.88
5603	ATIC Bifunctional purine biosynthesis protein PURH	IPI00289499	64,598.50	531	550	LTEVSISSDAFFPFRDNVDR	K	A	2,315.13
5604	IGF2BP2 insulin-like growth factor 2 mRNA binding protein 2 isoform a	IPI00179713,IPI00180983,IPI00743914	66,104.40	531	547	TVNELQNLTSAEVIVPR	K	D	1,883.02
5605	EIF3L Eukaryotic translation initiation factor 3, subunit E interacting protein	IPI00465233,IPI00745266	70,886.50	531	537	IQLLVFK	R	H	860.5605
5606	CCT4 T-complex protein 1 subunit delta	IPI00302927,IPI00873222	57,907.90	532	539	IDDVVNTR	K	-	931.4844
5607	ADD1 Isoform 1 of Alpha-adducin	IPI00019901,IPI00220158,IPI00376220	80,937.90	532	543	SLVQGELVTASK	R	A	1,231.69
5608	IRGQ Immunity-related GTPase family Q protein	IPI00103925	62,700.50	533	544	ALGLASGELAAR	R	A	1,128.64
5609	XRCC5 ATP-dependent DNA helicase 2 subunit 2	IPI00220834,IPI00871391	82,689.10	533	543	IKTLFPLIEAK	K	K	1,272.79
5610	XRCC5 ATP-dependent DNA helicase 2 subunit 2	IPI00220834,IPI00871391	82,689.10	533	543	IKTLFPLIEAK	K	K	1,272.79
5611	HSPH1 Isoform Beta of Heat shock protein 105 kDa	IPI00218993,IPI00513743	92,099.00	533	541	KVDQPPEAK	K	K	1,011.55
5612	LMNB1 Lamin-B1	IPI00217975	66,391.60	533	542	NSQGEVAQR	K	S	1,117.52
5613	STIP1 Stress-induced-phosphoprotein 1	IPI00013894,IPI00871856	62,624.10	534	543	LMDVGLAIR	K	-	1,100.65
5614	SEC23A Protein transport protein Sec23A	IPI00017375	86,144.60	534	544	AETEEGPDVLR	R	W	1,215.59
5615	DDX17 DEAD box polypeptide 17 isoform 1	IPI00023785,IPI00651653	80,256.00	536	547	VLEEANQAINPK	K	L	1,325.71
5616	DDX17 DEAD box polypeptide 17 isoform 1	IPI00023785,IPI00651653	80,256.00	536	547	VLEEANQAINPK	K	L	1,325.71
5617	EIF3B Isoform 1 of Eukaryotic translation initiation factor 3 subunit B	IPI00396370,IPI00719752	92,464.80	536	548	GTQGVVTFEIFR	K	M	1,467.76
5618	ATP6V1A V-type proton ATPase catalytic subunit A	IPI00007682	68,287.40	537	552	TVGMLSNMIAFYDMAR	K	R	1,867.84

5619	CTTN Src substrate cortactin	IPI00029601	61,567.40	538	549	YGLFPANYVELR	R	-	1,441.75
5620	CTTN Src substrate cortactin	IPI00029601	61,567.40	538	550	YGLFPANYVELRQ	R	-	1,569.81
5621	KPNB1 Importin subunit beta-1	IPI00001639	97,153.30	538	549	NSAKDCYPVAVQK	K	T	1,380.66
5622	PLS3 plastin 3	IPI00216694	70,795.90	538	547	STSIQSFKDK	K	T	1,140.59
5623	TCP1 T-complex protein 1 subunit alpha	IPI00290566	60,327.20	539	556	DDKHGSYEDAVHSGALND	K	-	1,929.82
5624	NOP2 Putative uncharacterized protein NOL1	IPI00294891,IPI00654555,IPI00872909	93,966.90	539	553	LVPTGLDFGQEGFTR	R	F	1,636.83
5625	IGF2BP1 Insulin-like growth factor 2 mRNA-binding protein 1	IPI00008557	63,438.30	539	551	IIGHFYASQMAQR	K	K	1,521.76
5626	TKT cDNA FLJ54957, highly similar to Transketolase	IPI00643920	68,725.40	539	550	VLDPFTIKPLDR	R	K	1,413.81
5627	TKT cDNA FLJ54957, highly similar to Transketolase	IPI00643920	68,725.40	539	551	VLDPFTIKPLDRK	R	L	1,541.91
5628	HSPA8 Isoform 1 of Heat shock cognate 71 kDa protein	IPI00003865	70,881.80	540	550	NSLESYAFNMK	K	A	1,319.59
5629	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	540	550	NALESYAFNMK	K	S	1,303.60
5630	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	540	550	NALESYAFNMK	K	S	1,287.60
5631	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	540	550	NALESYAFNMK	K	S	1,287.60
5632	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	540	550	NALESYAFNMK	K	S	1,303.60
5633	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	540	550	NALESYAFNMK	K	S	1,287.60
5634	- cDNA FLJ54408, highly similar to Heat shock 70 kDa protein 1	IPI00911039	63,907.90	541	573	RKELEQVCNPIISGLYQGAGG	K	G	3,339.69
5635	ABCE1 ATP-binding cassette sub-family E member 1	IPI00303207	67,298.40	542	557	NTVANSPQTLLAGMNK	K	F	1,674.85
5636	- cDNA FLJ54408, highly similar to Heat shock 70 kDa protein 1	IPI00911039	63,907.90	542	573	KELEQVCNPIISGLYQGAGGP	R	G	3,183.59
5637	HNRNPL Heterogeneous nuclear ribonucleoprotein L	IPI00027834	64,114.80	542	552	PGPGFGAQQGPK SSSGLLEWESK	R	S	1,222.60
5638	- cDNA FLJ54408, highly similar to Heat shock 70 kDa protein 1	IPI00911039	63,907.90	543	573	ELEQVCNPIISGLYQGAGGPG	K	G	3,055.49
5639	MTHFD1 C-1-tetrahydrofolate synthase, cytoplasmic	IPI00218342,IPI00794900	101,543.50	543	553	PGPGFGAQQGPK KITIGQAPTEK	R	G	1,185.68
5640	TARS Threonyl-tRNA synthetase, cytoplasmic	IPI00329633,IPI00908949	83,419.80	544	554	IDIQIKDAIGR	K	Y	1,241.72
5641	DDX18 ATP-dependent RNA helicase DDX18	IPI00301323	75,391.70	546	557	VPLSEFDVSWSK	K	I	1,441.70
5642	XRCC5 ATP-dependent DNA helicase 2 subunit 2	IPI00220834,IPI00871391	82,689.10	546	565	DQVTAQEIFQDNHEDGPTAK	K	K	2,243.02
5643	EIF2A Isoform 1 of Eukaryotic translation initiation factor 2A	IPI00902564	64,973.20	546	558	AIEQLKEQAATGK	K	Q	1,386.76
5644	DCP1A 63 kDa protein	IPI00164672,IPI00795655,IPI00871439	63,419.20	547	558	SQLQDTLIHLIK	K	N	1,408.82
5645	DDX42 Isoform 1 of ATP-dependent RNA helicase DDX42	IPI00409671,IPI00829889	102,958.90	548	560	DIPVLVATDVAAR	K	G	1,339.76
5646	SHQ1 Protein SHQ1 homolog	IPI00465265,IPI00784283	65,108.70	548	556	TTVQVSEPK	K	G	988.531
5647	IGF2BP2 insulin-like growth factor 2 mRNA binding protein 2 isoform a	IPI00179713,IPI00180983,IPI00743914	66,104.40	548	560	DQTPDENEEVIVR	R	I	1,543.72
5648	FMR1 Isoform 8 of Fragile X mental retardation 1 protein	IPI00645666	66,228.40	548	558	TLQNTSSEGSR	K	L	1,179.56
5649	RRM1 Ribonucleoside-diphosphate reductase large subunit	IPI00013871	90,055.50	549	563	EQGPYETIEGSPVSK	K	G	1,670.75
5650	ATP2A2 Isoform SERCA2A of Sarcoplasmic/endoplasmic reticulum calcium ATPase 2	IPI00177817,IPI00219078,IPI00747443	109,674.90	550	559	EWGSGSDTLR	R	C	1,107.51
5651	KPNB1 Importin subunit beta-1	IPI00001639	97,153.30	550	557	TTLVIMER	K	L	962.534
5652	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	551	559	SAVEDEGLK	K	G	947.4681
5653	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	551	561	SAVEDEGLKGGK	K	I	1,132.58
5654	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	551	561	SAVEDEGLKGGK	K	I	1,132.58
5655	GATAD2A Isoform 1 of Transcriptional repressor p66-alpha	IPI00410330,IPI00444526,IPI00478128	68,044.80	551	563	LQNSASATALVSR	K	T	1,317.71
5656	NCL Nucleolin	IPI00604620	76,597.90	552	561	AIRLELQGPR	R	G	1,152.68
5657	IGF2BP1 Insulin-like growth factor 2 mRNA-binding protein 1	IPI00008557	63,438.30	552	561	KIRDILAQVK	R	Q	1,183.75

5658	EXOC7 Isoform 3 of Exocyst complex component 7	IPI00103064,IPI00172532,IPI00641168,IPI00877965	83,367.10	552	563	VLGNLQLNLLSK	K	S	1,311.80
5659	IPO8 Importin-8	IPI00007401	119,959.60	553	565	ETENDDVTVNIQK	R	M	1,504.71
5660	IGF2BP1 Insulin-like growth factor 2 mRNA-binding protein 1	IPI00008557	63,438.30	553	561	IRDILAQVK	K	Q	1,055.66
5661	DNAJC2 Isoform 2 of DnaJ homolog subfamily C member 2	IPI00455199,IPI00830108	65,797.90	555	565	AAQEQLVNASR	K	A	1,186.62
5662	STT3A Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit STT3A	IPI00297492	80,514.80	555	565	VGQAMASTEEL	R	A	1,166.54
5663	ILF3 Isoform 1 of Interleukin enhancer-binding factor 3	IPI00298788	95,320.90	555	565	FVMEVEVDGQK	R	F	1,280.62
5664	NCL Nucleolin	IPI00604620	76,597.90	555	561	LELQGPR	R	G	812.4626
5665	DDX3X ATP-dependent RNA helicase DDX3X	IPI00215637	73,227.70	555	564	DLLDLLVEAK	K	Q	1,128.65
5666	CD2AP CD2-associated protein	IPI00412771,IPI00872533	71,436.00	558	570	ANTTAFLTPLEIK	K	A	1,418.79
5667	HNRNPM Isoform 1 of Heterogeneous nuclear ribonucleoprotein M	IPI00171903,IPI00383296	77,499.30	558	565	MGANNLER	R	M	920.4255
5668	ABCE1 ATP-binding cassette sub-family E member 1	IPI00303207	67,298.40	558	567	FLSQLEITFR	K	R	1,253.69
5669	HNRNPU heterogeneous nuclear ribonucleoprotein U isoform a	IPI00644079	90,567.20	559	565	APQCLGK	R	F	773.3976
5670	DNTTIP2 Deoxynucleotidyltransferase terminal-interacting protein 2	IPI00290410	90,654.40	559	571	LTSSSIDPGLSIK	K	Q	1,317.73
5671	FARSB Phenylalanyl-tRNA synthetase beta chain	IPI00300074	66,114.60	561	571	LGVLHPDVITK	K	F	1,191.71
5672	NOP56 Nucleolar protein 5A	IPI00411937	66,034.00	561	578	KFSKEEPVSSGPPEAVGK	R	S	1,904.96
5673	WDR3 WD repeat-containing protein 3	IPI00009471	106,084.50	563	574	LLAVSLLDCTVK	K	I	1,331.76
5674	RPN1 Dolichyl-diphosphooligosaccharide--protein glycosyltransferase 67 kDa subunit precursor	IPI00025874	72,762.00	564	575	ALTSEIALLQSR	K	L	1,301.74
5675	RARS Isoform Complexed of Arginyl-tRNA synthetase, cytoplasmic	IPI00004860	75,364.00	564	573	ILLDHEKEWK	K	L	1,310.71
5676	TKT cDNA FLJ54957, highly similar to Transketolase	IPI00643920	68,725.40	564	602	ILTVEDHYEGGIGEAVSSAVV R	R	S	4,105.14
5677	TKT cDNA FLJ54957, highly similar to Transketolase	IPI00643920	68,725.40	564	599	GEPGIVTHLAVNRVPR ILTVEDHYEGGIGEAVSSAVV R	R	V	3,752.91
5678	ATP6V1A V-type proton ATPase catalytic subunit A	IPI00007682	68,287.40	565	571	GEPGIVTHLAVNR ITWSIIR	K	E	888.5302
5679	TOR1AIP1 Putative uncharacterized protein TOR1AIP1	IPI00792065	66,301.60	565	580	ISHLVLPVQPENALKR	R	G	1,814.06
5680	LARP5 La-related protein 5	IPI00827634,IPI00847241	80,535.10	566	582	TLSADASVNTLPVVVSR	R	E	1,728.95
5681	PABPC1 Isoform 1 of Polyadenylate-binding protein 1	IPI00008524	70,653.30	566	580	LFPLIQAMHPTLAGK	R	I	1,652.92
5682	HNRNPU heterogeneous nuclear ribonucleoprotein U isoform a	IPI00644079	90,567.20	566	572	FIEIAAR	K	K	819.4723
5683	HNRNPU heterogeneous nuclear ribonucleoprotein U isoform a	IPI00644079	90,567.20	566	572	FIEIAAR	K	K	819.4723
5684	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	566	574	LMKEILDKK	K	V	1,117.67
5685	XRCC5 ATP-dependent DNA helicase 2 subunit 2	IPI00220834,IPI00871391	82,689.10	567	599	LKTEQGGAHFSVSSLAEGSV TSVGSVNPANFR	K	V	3,362.66
5686	DDX1 ATP-dependent RNA helicase DDX1	IPI00293655	82,415.10	568	577	FLICTDVAAR	R	G	1,165.60
5687	IGF2BP3 Isoform 1 of Insulin-like growth factor 2 mRNA-binding protein 3	IPI00658000	63,702.90	568	577	ALQSGPPQSR	K	R	1,040.55
5688	XRCC5 ATP-dependent DNA helicase 2 subunit 2	IPI00220834,IPI00871391	82,689.10	569	599	TEQGGAHFSVSSLAEGSVTS VGSVNPANFR	K	V	3,121.48
5689	CWC22 Nucampholin homolog	IPI00177381,IPI00917297	105,521.30	570	580	LSEETTTSSSR	K	I	1,197.56
5690	HNRNPM Isoform 1 of Heterogeneous nuclear ribonucleoprotein M	IPI00171903,IPI00383296	77,499.30	571	578	MGANSLER	R	M	893.4146
5691	EEF2 Elongation factor 2	IPI00186290	95,322.10	572	580	KSDPVVSYR	K	E	1,050.56
5692	EEF2 Elongation factor 2	IPI00186290	95,322.10	573	580	SDPVVSYR	K	E	922.4628
5693	UNC45A Isoform 1 of Protein unc-45 homolog A	IPI00072534,IPI00735181	103,060.90	573	579	ALFQLSR	K	L	834.4832
5694	RAD21 Double-strand-break repair protein rad21 homolog	IPI00006715	71,673.60	574	586	TGAESISLLELCR	K	N	1,448.74

5695	PABPC4 Isoform 1 of Polyadenylate-binding protein 4	IPI00012726,IPI00555747,IPI00642904,IPI00642944	70,765.80	575	589	LFPLIQTMHSNLAGK	R	I	1,685.90
5696	AOF2 Isoform 2 of Lysine-specific histone demethylase 1	IPI00217540,IPI00456631	95,137.70	575	592	HWDQDDDFEFTGSHLTVR	K	N	2,204.96
5697	PAK4 Isoform 1 of Serine/threonine-protein kinase PAK 4	IPI00014068	64,054.80	575	586	AGPPASIVPLMR	K	Q	1,224.68
5698	ABCF2 ATP-binding cassette sub-family F member 2	IPI00005045,IPI00068506	71,274.50	575	588	LIQQVAQEIWVCEK	R	Q	1,743.91
5699	RPA1 Replication protein A 70 kDa DNA-binding subunit	IPI00020127	68,121.00	576	586	VKVETYNDESR	R	I	1,339.65
5700	HNRNPU heterogeneous nuclear ribonucleoprotein U isoform a	IPI00644079	90,567.20	576	590	NFILDQTNVSAQAQR	R	R	1,647.84
5701	TOP1 DNA topoisomerase 1	IPI00413611	90,711.70	576	587	HLQDLMEGLTAK	K	V	1,371.69
5702	SMEK1 Isoform 1 of Serine/threonine-protein phosphatase 4 regulatory subunit 3A	IPI00217013,IPI00384714,IPI00479778,IPI00792955	95,354.30	577	585	SFLFEPVVK	K	A	1,065.60
5703	NCL Nucleolin	IPI00604620	76,597.90	578	597	GLSEDTTEETLKESFDGSR	K	A	2,200.03
5704	COPG2 Coatomer subunit gamma-2	IPI00002557	97,606.50	578	590	SIPLAMAPVFEQK	K	A	1,446.77
5705	ILF3 Isoform 1 of Interleukin enhancer-binding factor 3	IPI00298788	95,320.90	578	587	AYAALAALEK	K	L	1,020.57
5706	TLE3 Isoform 2 of Transducin-like enhancer protein 3	IPI00177938,IPI00182478,IPI00219368,IPI00221206,IPI00867718	82,204.70	578	600	VCFSCSDGNIIVWDLHNQT LVR	K	Q	2,751.24
5707	HSPA4L Heat shock 70 kDa protein 4L	IPI00295485,IPI00828021	94,470.40	579	590	SIDLPIQSSLCR	K	Q	1,388.72
5708	EIF4G2 cDNA FLJ59571, highly similar to Eukaryotic translation initiation factor 4gamma 2	IPI00015952	110,247.70	579	593	TQTPPLGQTPQLGLK	R	T	1,578.89
5709	EEF2 Elongation factor 2	IPI00186290	95,322.10	581	594	ETVSEESNVLCCLSK	R	S	1,594.76
5710	EEF2 Elongation factor 2	IPI00186290	95,322.10	581	594	ETVSEESNVLCCLSK	R	S	1,594.76
5711	NPEPPS Puromycin-sensitive aminopeptidase	IPI00026216	103,261.10	581	590	LNLGTVGFYR	K	T	1,139.62
5712	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	581	586	LSELLR	K	Y	730.4458
5713	IMMT Isoform 1 of Mitochondrial inner membrane protein	IPI00009960,IPI00470829,IPI00554469	83,661.00	582	600	TSSAETPTIPLGSAVEAIK	K	A	1,872.00
5714	ANXA6 annexin VI isoform 2	IPI00002459,IPI00221226	75,262.70	582	592	DAFVAIVQSVK	R	N	1,176.66
5715	GSPT1 G1 to S phase transition 1 isoform 2	IPI00909083,IPI00910513	68,555.00	583	593	FVKQDQVCIAR	R	L	1,363.72
5716	GSPT1 G1 to S phase transition 1 isoform 2	IPI00909083,IPI00910513	68,555.00	583	593	FVKQDQVCIAR	R	L	1,363.72
5717	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	584	604	LVSSPCCIVTSTYGTANMER	R	I	2,432.10
5718	UHRF1 ubiquitin-like with PHD and ring finger domains 1 isoform 2	IPI00797279,IPI00797945	91,082.30	584	590	SGFLVWR	K	Y	864.4726
5719	POR NADPH--cytochrome P450 reductase	IPI00470467,IPI00792395,IPI00880028,IPI00903331	76,672.90	585	597	DGALTQLNVAFSR	R	E	1,391.73
5720	ACTN4 Alpha-actinin-4	IPI00013808	104,839.20	585	592	EAILAIHK	R	E	894.5408
5721	TRMT1 Isoform 1 of N(2),N(2)-dimethylguanosine tRNA methyltransferase	IPI00020508,IPI00178861	72,215.30	587	597	RKEPPEDVAQR	K	A	1,324.70
5722	EXOC7 Isoform 3 of Exocyst complex component 7	IPI00103064,IPI00172532,IPI00641168,IPI00877965	83,367.10	587	602	SLEKSELIQLVAVTQK	K	T	1,786.03
5723	VCP Transitional endoplasmic reticulum ATPase	IPI00022774	89,306.80	587	599	GGNIGDGGGAADR	R	V	1,116.50
5724	RACGAP1 Rac GTPase-activating protein 1	IPI00152946	71,009.80	588	597	TPSSSSLSQR	K	V	1,049.52
5725	TFRC Transferrin receptor protein 1	IPI00022462	84,855.60	589	600	AAAEVAGQFVIK	R	L	1,203.67
5726	PSMD2 26S proteasome non-ATPase regulatory subunit 2	IPI00012268	100,184.20	589	608	SFANTLVDVCAYAGSGNVLK	R	V	2,086.03
5727	TOP1 DNA topoisomerase 1	IPI00413611	90,711.70	591	603	TYNASITLQQQLK	R	E	1,507.81
5728	HNRNPU heterogeneous nuclear ribonucleoprotein U isoform a	IPI00644079	90,567.20	591	601	RKMCLFAGFQR	R	K	1,429.72
5729	HSPH1 Isoform Beta of Heat shock protein 105 kDa	IPI00218993,IPI00513743	92,099.00	592	602	NAVEEYVYEFR	K	D	1,418.66
5730	HNRNPM Isoform 1 of Heterogeneous nuclear ribonucleoprotein M	IPI00171903,IPI00383296	77,499.30	592	606	MGPAMGPALGAGIER	R	M	1,459.70
5731	UBA1 Ubiquitin-like modifier-activating enzyme 1	IPI00645078	117,832.30	593	604	KPLLESGLTGTK	R	G	1,243.73
5732	HNRNPU heterogeneous nuclear ribonucleoprotein U isoform a	IPI00644079	90,567.20	593	601	MCLFAGFQR	K	K	1,145.52
5733	KPNB1 Importin subunit beta-1	IPI00001639	97,153.30	594	613	KVQHQDALQISDVVMASLLR	R	M	2,267.22

5734	UHRF1 ubiquitin-like with PHD and ring finger domains 1 isoform 2	IPI00797279,IPI00797945	91,082.30	595	605	RDDDEPGPWTK	R	E	1,315.59
5735	KPNB1 Importin subunit beta-1	IPI00001639	97,153.30	595	613	VQHQDALQISDVVMASLLR	K	M	2,139.12
5736	MTHFD1 C-1-tetrahydrofolate synthase, cytoplasmic	IPI00218342,IPI00794900	101,543.50	596	616	KGEPVSAEDLGVSGALTVLM	K	D	2,101.12
5737	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	596	628	RKELEQVCNPIISGLYQGAGG	K	G	3,339.69
5738	XRCC6 ATP-dependent DNA helicase 2 subunit 1	IPI00644712	69,828.40	596	605	PGPGGFGAQQGPK			
5739	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	597	628	KQELLEALTK	K	H	1,172.69
5740	RAD21 Double-strand-break repair protein rad21 homolog	IPI00006715	71,673.60	597	604	KELEQVCNPIISGLYQGAGGP	R	G	3,183.59
5741	ACTN4 Alpha-actinin-4	IPI00013808	104,839.20	597	604	PGPGGFGAQQGPK			
5742	LCP1 Plastin-2	IPI00010471	70,274.10	597	610	FYSFLVLK	K	K	1,016.58
5743	DIS3 Isoform 2 of Exosome complex exonuclease RRP44	IPI00183462,IPI00746351	105,025.50	598	608	IAESNHIK	R	L	911.4945
5744	HSPA1A;HSPA1B Heat shock 70 kDa protein 1	IPI00304925	70,036.00	598	628	VYALPEDLVEVNP	K	M	1,585.85
5745	PLS1 Plastin-1	IPI00032304,IPI00789401	70,338.30	598	611	GALTLSSPEVR	K	F	1,129.62
5746	NCL Nucleolin	IPI00604620	76,597.90	600	610	ELEQVCNPIISGLYQGAGGPG	K	G	3,055.49
5747	PLS3 plastin 3	IPI00216694	70,795.90	600	613	PGGFGAQQGPK			
5748	TFRC Transferrin receptor protein 1	IPI00022462	84,855.60	601	613	IYALPDDLVEVKPK	R	M	1,599.90
5749	PSMD1 Isoform 1 of 26S proteasome non-ATPase regulatory subunit 1	IPI00299608,IPI00456695	105,821.20	602	616	IVTDRETGSSK	R	G	1,192.62
5750	CSE1L Isoform 1 of Exportin-2	IPI00022744,IPI00219994	110,403.90	602	607	VYALPEDLVEVKPK	R	M	1,599.90
5751	COPB1 Coatamer subunit beta	IPI00295851	107,128.00	603	612	LTHDELNLDYER	K	Y	1,616.79
5752	DDX3X ATP-dependent RNA helicase DDX3X	IPI00215637	73,227.70	604	617	LLHVAVSDVNDVRR	R	A	1,707.91
5753	PABPC1 Isoform 1 of Polyadenylate-binding protein 1	IPI00008524	70,653.30	605	620	LLAVSK	K	N	630.4185
5754	ACTN4 Alpha-actinin-4	IPI00013808	104,839.20	605	622	KPITDDVDVDR	K	I	1,173.57
5755	EEF2 Elongation factor 2	IPI00186290	95,322.10	606	625	QSSGASSSFSSSR	R	A	1,361.59
5756	EEF2 Elongation factor 2	IPI00186290	95,322.10	606	629	SKVDEAVAVLQAHQAK	R	E	1,693.92
5757	HNRNPM Isoform 1 of Heterogeneous nuclear ribonucleoprotein M	IPI00171903,IPI00383296	77,499.30	607	621	LSGSNPYTTVTPQIINSK	K	W	1,920.01
5758	PRPF6 Pre-mRNA-processing factor 6	IPI00305068	106,909.70	607	616	ARFPDGLAEDIDKGEVSAR	K	Q	2,143.08
5759	TUBGCP4 Gamma-tubulin complex component 4	IPI00004389,IPI00793078	76,072.90	608	617	ARFPDGLAEDIDKGEVSAR	K	Q	2,641.36
5760	NCL Nucleolin	IPI00604620	76,597.90	611	624	QELK			
5761	LCP1 Plastin-2	IPI00010471	70,274.10	611	622	MGLAMGGGGGASFDR	R	A	1,415.60
5762	TKT cDNA FLJ54957, highly similar to Transketolase	IPI00643920	68,725.40	612	625	AEVLWLMGAK	K	S	1,117.61
5763	PLS1 Plastin-1	IPI00032304,IPI00789401	70,338.30	612	623	GAAQLSILVK	R	G	999.6198
5764	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	612	632	GFGFVDFNSEEDAK	K	A	1,561.68
5765	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	613	623	MVMTVFACLMGK	K	G	1,419.65
5766	PLS3 plastin 3	IPI00216694	70,795.90	614	625	MFGIDRDAIAQAVR	K	G	1,562.81
5767	PFKP 6-phosphofructokinase type C	IPI00009790	85,579.40	614	625	MVMTVFACLMGK	K	G	1,419.65
5768	NPEPPS Puromycin-sensitive aminopeptidase	IPI00026216	103,261.10	616	627	HIYYITGETKDQVANSFVER	K	L	2,441.21
5769	HSPA4 Heat shock 70 kDa protein 4	IPI00002966	94,313.90	619	629	DNSTMGYMMAK	R	K	1,264.50
5770	HNRNPU heterogeneous nuclear ribonucleoprotein U isoform a	IPI00644079	90,567.20	620	635	MVMTVFACLMGR	K	G	1,447.66
5771	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	622	632	DLQSNVEHLTEK	R	M	1,412.70
5772	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	622	632	LGLQNDLFLSLAR	R	A	1,346.74
5773	HSPA5 HSPA5 protein	IPI00003362	72,405.60	623	634	NAVEEYVYEMR	K	D	1,418.63
5774	HSPH1 Isoform Beta of Heat shock protein 105 kDa	IPI00218993,IPI00513743	92,099.00	624	641	KAEVEGKDLPEHAVLK	K	M	1,762.97
						DQVANSFVER	K	L	1,235.60
						DQVANSFVER	K	L	1,235.60
						ELEEIVQPIISK	K	L	1,397.79
						LLTETEDWLYEEGEDQAK	R	Q	2,168.99

5775	MCCC1 Methylcrotonoyl-CoA carboxylase subunit alpha, mitochondrial	IPI00024580,IPI00792499	80,455.60	624	635	EGSIEIDIPVPK	K	Y	1,296.70
5776	HSP90AB1 Heat shock protein HSP 90-beta	IPI00414676	83,249.30	625	639	HLEINPDHPIVETLR	K	Q	1,782.95
5777	HSPA9 Stress-70 protein, mitochondrial	IPI00007765	73,663.30	625	634	KDSETGENIR	R	Q	1,148.55
5778	RRM1 Ribonucleoside-diphosphate reductase large subunit	IPI00013871	90,055.50	628	643	RVLSGEFQIVNPHLLK	R	D	1,850.06
5779	LMNA Isoform A of Lamin-A/C	IPI00021405	74,122.60	628	644	SVGGSGGGSGFDNLVTR	R	S	1,566.75
5780	RRM1 Ribonucleoside-diphosphate reductase large subunit	IPI00013871	90,055.50	629	643	VLSGFEQIVNPHLLK	R	D	1,693.96
5781	NSUN2 tRNA (cytosine-5-)-methyltransferase NSUN2	IPI00306369	86,454.80	629	639	ILLTQENPFFR	K	K	1,377.75
5782	COPG2 Coatomer subunit gamma-2	IPI00002557	97,606.50	630	646	SSEPVQLTEAETEYFVR	K	C	1,984.95
5783	ATP1A1 Isoform Long of Sodium/potassium-transporting ATPase subunit alpha-1	IPI00006482,IPI00646182	112,881.50	630	647	GVGIISEGNETVEDIAAR	K	L	1,829.92
5784	RBM14;RBM4 Isoform 1 of RNA-binding protein 14	IPI00013174	69,474.30	631	636	SSLDYR	K	R	740.3573
5785	COPG Coatomer subunit gamma	IPI00783982	97,701.40	632	649	SSPEPVALTESETEYVIR	K	C	2,006.99
5786	ACTN4 Alpha-actinin-4	IPI00013808	104,839.20	633	643	RDHALLLEEQSK	K	Q	1,325.68
5787	QRICH1 Glutamine-rich protein 1	IPI00328200	86,415.20	633	637	YFLLK	K	T	683.4127
5788	EEF2 Elongation factor 2	IPI00186290	95,322.10	634	647	YLAEKYEWVVAEAR	R	K	1,742.84
5789	RARS Isoform Complexed of Arginyl-tRNA synthetase, cytoplasmic	IPI00004860	75,364.00	635	647	MLLCEAVAAMAK	R	G	1,422.72
5790	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	IPI00382470,IPI00784295	98,147.10	636	656	HGLEVIYMIPEIDYCVQQLK	K	E	2,593.27
5791	DDX24 ATP-dependent RNA helicase DDX24	IPI00006987	96,316.70	636	649	LEDCVLLATDVAAR	R	G	1,545.79
5792	SART1 U4/U6.U5 tri-snRNP-associated protein 1	IPI00021417	90,239.10	637	648	GLAAALLLCQNK	R	G	1,271.71
5793	JUP Junction plakoglobin	IPI00554711	81,727.90	638	651	NEGATYAAAVLFR	R	I	1,483.75
5794	EEF2 Elongation factor 2	IPI00186290	95,322.10	639	647	YEWVVAEAR	K	K	1,138.52
5795	GARS Glycyl-tRNA synthetase	IPI00783097,IPI00915808	83,123.50	641	657	HGVSHKVDSSGSIGRR	R	Y	1,793.90
5796	MARS Methionyl-tRNA synthetase, cytoplasmic	IPI00008240	101,099.50	642	656	NNSELLNNLGNFINR	K	A	1,731.88
5797	EIF3CL;EIF3C Eukaryotic translation initiation factor 3 subunit C	IPI00016910,IPI00646839,IPI00873286,IPI00910003	105,329.20	642	653	AKELLGQGLLLR	R	S	1,310.82
5798	TARS Threonyl-tRNA synthetase, cytoplasmic	IPI00329633,IPI00908949	83,419.80	646	661	FMADIDLDPGCTLNKK	K	I	1,837.88
5799	TARS Threonyl-tRNA synthetase, cytoplasmic	IPI00329633,IPI00908949	83,419.80	646	660	FMADIDLDPGCTLNK	K	K	1,709.79
5800	C12orf11 Uncharacterized protein C12orf11	IPI00550986	80,207.70	647	660	SKGPVSLLSLWSNR	K	I	1,543.86
5801	RARS Isoform Complexed of Arginyl-tRNA synthetase, cytoplasmic	IPI00004860	75,364.00	648	659	GFDILGIKPVQR	K	-	1,342.78
5802	RBM14;RBM4 Isoform 1 of RNA-binding protein 14	IPI00013174	69,474.30	648	657	YSGSYNDYLR	R	A	1,237.55
5803	KIAA1524 Isoform 1 of Protein CIP2A	IPI00154283	102,171.30	648	656	ALALAQADR	K	L	928.5211
5804	WDR6 WD repeat-containing protein 6	IPI00013953,IPI00794322,IPI00797612	121,705.90	648	658	LHIVNCGGGHR	K	S	1,219.61
5805	HNRNPM Isoform 1 of Heterogeneous nuclear ribonucleoprotein M	IPI00171903,IPI00383296	77,499.30	651	658	KACQIFVR	R	N	1,021.56
5806	PREP Prolyl endopeptidase	IPI00008164	80,683.50	652	662	FIATLQYIVGR	K	S	1,280.74
5807	PCCA propionyl-Coenzyme A carboxylase, alpha polypeptide isoform a precursor	IPI00744115,IPI00796978,IPI00895869	80,041.20	654	663	VTEDTSSVLR	K	S	1,106.57
5808	ATP2A2 Isoform SERCA2A of Sarcoplasmic/endoplasmic reticulum calcium ATPase 2	IPI00177817,IPI00219078,IPI00747443	109,674.90	656	666	EFDELNPSAQR	R	D	1,305.61
5809	CHUK Inhibitor of nuclear factor kappa-B kinase subunit alpha	IPI00005104	84,638.10	656	664	IACTQSSAR	K	S	993.4782
5810	DDX24 ATP-dependent RNA helicase DDX24	IPI00006987	96,316.70	656	666	VQHVHIYQVPR	K	T	1,375.76
5811	MCM2 DNA replication licensing factor MCM2	IPI00184330	101,880.10	657	664	FDILCVVR	R	D	1,021.55
5812	NASP Isoform 1 of Nuclear autoantigenic sperm protein	IPI00179953,IPI00219821,IPI00332499	85,217.50	662	671	SGNVAELALK	R	A	1,001.56
5813	PDXDC1 Isoform 1 of Pyridoxal-dependent decarboxylase domain-containing protein 1	IPI00384689,IPI00645809	86,690.10	662	680	TFNLTAGSLESTEPIYVYK	R	A	2,133.08
5814	JUP Junction plakoglobin	IPI00554711	81,727.90	664	674	VVELTNSLFLK	R	H	1,236.68
5815	AARS Alanyl-tRNA synthetase, cytoplasmic	IPI00027442,IPI00910701	106,795.20	665	677	AVYTQDCPLAAAK	K	A	1,407.69

5816	HNRNPU heterogeneous nuclear ribonucleoprotein U isoform a	UPI00644079	90,567.20	665	675	LLEQYKEESKK	K	A	1,394.75
5817	BRD2 Isoform 1 of Bromodomain-containing protein 2	UPI00014414, IPI00797929, IPI00893088, IPI00893622	88,045.30	665	672	VVHIIQAR	R	E	935.5785
5818	SRPK1 Isoform 2 of Serine/threonine-protein kinase SRPK1	UPI00412344	92,430.40	665	676	IADLGACWVHK	K	H	1,383.68
5819	APEH Acylamino-acid-releasing enzyme	UPI00337741	81,206.00	665	676	TPLLMLGQEDR	K	R	1,401.74
5820	APEH Acylamino-acid-releasing enzyme	UPI00337741	81,206.00	665	676	TPLLMLGQEDR	K	R	1,401.74
5821	ATP2A2 Isoform SERCA2A of Sarcoplasmic/endoplasmic reticulum calcium ATPase 2	UPI00177817, IPI00219078, IPI00747443	109,674.90	667	673	DACLNAR	R	C	819.3778
5822	DDX27 Probable ATP-dependent RNA helicase DDX27	UPI00293078	89,820.10	667	676	ALQEFDLALR	K	G	1,175.64
5823	SFPQ Isoform Long of Splicing factor, proline- and glutamine-rich	UPI00010740	76,131.50	667	681	FGQQGAGPVGGQGPR	R	G	1,341.67
5824	DDX21 Isoform 1 of Nucleolar RNA helicase 2	UPI00015953	87,328.00	671	676	GMVFLK	K	G	694.3957
5825	HSPH1 Isoform Beta of Heat shock protein 105 kDa	UPI00218993, IPI00513743	92,099.00	671	678	MFEELGQR	K	L	1,009.48
5826	DDX17 DEAD box polypeptide 17 isoform 1	UPI00023785, IPI00651653	80,256.00	671	684	SSQSSSQFSGIGR	R	S	1,455.68
5827	EIF4G2 cDNA FLJ59571, highly similar to Eukaryotic translation initiation factor 4gamma 2	UPI00015952	110,247.70	673	681	ASSLISLLK	K	Q	931.5823
5828	PFKM cDNA FLJ44241 fis, clone THYMU3008436, highly similar to 6-phosphofructokinase, muscle type	UPI00465179, IPI00743142	93,203.30	675	686	DLQANVEHLVQK	R	M	1,393.74
5829	TFRC Transferrin receptor protein 1	UPI00022462	84,855.60	678	693	VMRVEYHFLSPYVSPK	R	E	1,968.00
5830	UBA1 Ubiquitin-like modifier-activating enzyme 1	UPI00645078	117,832.30	679	693	LAGTQPLEVLEAVQR	R	S	1,623.91
5831	UBA1 Ubiquitin-like modifier-activating enzyme 1	UPI00645078	117,832.30	679	693	LAGTQPLEVLEAVQR	R	S	1,623.91
5832	DDX21 Isoform 1 of Nucleolar RNA helicase 2	UPI00015953	87,328.00	679	696	LGVCFDVPTASVTEIQEK	K	W	1,992.99
5833	TARS Threonyl-tRNA synthetase, cytoplasmic	UPI00329633, IPI00908949	83,419.80	682	689	ISGTVNIR	K	T	859.4996
5834	SEC23A Protein transport protein Sec23A	UPI00017375	86,144.60	683	699	HLLQAPVDDAQEILHSR	R	F	1,942.01
5835	UHRF1 ubiquitin-like with PHD and ring finger domains 1 isoform 2	UPI00797279, IPI00797945	91,082.30	684	698	VEPYSLTAQQSSLIR	K	E	1,691.90
5836	MTHFD1 C-1-tetrahydrofolate synthase, cytoplasmic	UPI00218342, IPI00794900	101,543.50	687	702	YSGLCPHVVLVATVR	R	A	1,769.97
5837	PREP Prolyl endopeptidase	UPI00008164	80,683.50	689	702	VIEEVSDMFAFIAR	K	C	1,642.81
5838	XRCC5 ATP-dependent DNA helicase 2 subunit 2	UPI00220834, IPI00871391	82,689.10	689	703	EEASGSSVTAEAAK	K	F	1,522.72
5839	EEF2 Elongation factor 2	UPI00186290	95,322.10	689	698	EGALCEENMR	K	G	1,208.50
5840	XRCC5 ATP-dependent DNA helicase 2 subunit 2	UPI00220834, IPI00871391	82,689.10	689	702	EEASGSSVTAEAAK	K	K	1,394.63
5841	UNC45A Isoform 1 of Protein unc-45 homolog A	UPI00072534, IPI00735181	103,060.90	692	707	ALIPLALEGTDVGQTK	R	A	1,625.91
5842	DNM1L Isoform 5 of Dynamin-1-like protein	UPI00037283, IPI00146935, IPI00235412, IPI00473085, IPI00555883, IPI00871742	79,093.20	693	705	ALQGASQIIAEIR	K	E	1,369.78
5843	PRPF6 Pre-mRNA-processing factor 6	UPI00305068	106,909.70	693	703	AAQDLCEEALR	R	H	1,275.60
5844	SFPQ Isoform Long of Splicing factor, proline- and glutamine-rich	UPI00010740	76,131.50	694	706	GREEYEGPNKKPR	R	-	1,559.79
5845	STAU1 Isoform Short of Double-stranded RNA-binding protein Staufen homolog 1	UPI00218609, IPI00643664, IPI_WendyP53Mut	124,563.80	696	705	ILQNEPLPER	R	L	1,208.66
5846	COPG Coatomer subunit gamma	UPI00783982	97,701.40	697	714	SLPYNQPGTCYTLVALPK	R	E	2,022.04
5847	CSE1L Isoform 1 of Exportin-2	UPI00022744, IPI00219994	110,403.90	698	706	TGNIPALVR	R	L	940.5575
5848	PFKL Isoform 1 of 6-phosphofructokinase, liver type	UPI00332371, IPI00902982	85,001.20	699	713	VFANAPDSACVIGLK	R	K	1,561.80
5849	RRM1 Ribonucleoside-diphosphate reductase large subunit	UPI00013871	90,055.50	699	719	GAFIDQSQSLNIHIAEPNYGK	R	L	2,302.15
5850	APEH Acylamino-acid-releasing enzyme	UPI00337741	81,206.00	699	704	LLLYPK	R	S	746.4812
5851	XPO1 Exportin-1	UPI00298961, IPI00893013	123,370.90	701	712	AVGHFPVIQLGR	K	I	1,293.74
5852	PSMD2 26S proteasome non-ATPase regulatory subunit 2	UPI00012268	100,184.20	704	712	LNILDTLISK	R	F	1,016.60
5853	EIF4G2 cDNA FLJ59571, highly similar to Eukaryotic translation initiation factor 4gamma 2	UPI00015952	110,247.70	705	713	LEVDIPLVK	K	S	1,025.62

5854	CTNND1 Isoform 1AB of Catenin delta-1	UPI00182469,UPI00182540,UPI00219725,UPI00219726,UPI00219727,UPI00219728,UPI00219730,UPI00219731,UPI00219732,UPI00219733,UPI00219734,UPI00219735,UPI00219737,UPI00219738,UPI00219739,UPI00219741,UPI00219742,UPI00219868,UPI00219869,UPI00219870,UPI00219872,UPI00219873,UPI00219875,UPI00419482,UPI00845246,UPI00845519,UPI00848265	107,403.00	705	719	ALSAIADLLTNEHER	K	V	1,652.86
5855	CSE1L Isoform 1 of Exportin-2	UPI00022744,UPI00219994	110,403.90	707	714	LLQAFLEER	R	G	989.5779
5856	MCCC1 Methylcrotonoyl-CoA carboxylase subunit alpha, mitochondrial	UPI00024580,UPI00792499	80,455.60	708	725	HTPLVFEFEESDKRESE	R	-	2,189.98
5857	DDX42 Isoform 1 of ATP-dependent RNA helicase DDX42	UPI00409671,UPI00829889	102,958.90	709	720	SHFVAASLSNQK	K	A	1,288.66
5858	PFKP 6-phosphofructokinase type C	UPI00009790	85,579.40	711	724	FTTDDSDICVLGISK	K	R	1,555.77
5859	IDE Insulin-degrading enzyme	UPI00220373	117,956.00	712	722	LKAFIPQLLSR	R	L	1,285.80
5860	ATP2A2 Isoform SERCA2A of Sarcoplasmic/endoplasmic reticulum calcium ATPase 2	UPI00177817,UPI00219078,UPI00747443	109,674.90	712	727	KAEIGIAMGSGTAVAK	K	T	1,519.82
5861	EIF4G2 cDNA FLJ59571, highly similar to Eukaryotic translation initiation factor 4gamma 2	UPI00015952	110,247.70	714	722	SYLAQFAAR	K	A	1,026.54
5862	HSP90AA1 heat shock protein 90kDa alpha (cytosolic), class A member 1 isoform 1	UPI00382470,UPI00784295	98,147.10	714	734	LVTSPCCIVTSTYGWTANMER	R	I	2,446.12
5863	CSE1L Isoform 1 of Exportin-2	UPI00022744,UPI00219994	110,403.90	715	736	GSNTIASAAADKIPGLLGVFQ	R	L	2,158.19
5864	UHRF1 ubiquitin-like with PHD and ring finger domains 1 isoform 2	UPI00797279,UPI00797945	91,082.30	716	730	KDRPASGSPFQLFLSK	K	V	1,649.86
5865	TLE3 Isoform 2 of Transducin-like enhancer protein 3	UPI00177938,UPI00182478,UPI00219368,UPI00221206,UPI00867718	82,204.70	717	727	TPYGASIFQSK	R	E	1,198.61
5866	SEC23A Protein transport protein Sec23A	UPI00017375	86,144.60	717	721	FLLSK	R	V	607.3814
5867	MTHFD1 C-1-tetrahydrofolate synthase, cytoplasmic	UPI00218342,UPI00794900	101,543.50	722	733	AYIQENLELVEK	K	G	1,448.76
5868	MCM6 DNA replication licensing factor MCM6	UPI00031517	92,872.60	723	732	ISNLIVLHLR	R	K	1,177.74
5869	PFKP 6-phosphofructokinase type C	UPI00009790	85,579.40	726	736	NVIFQPVAELK	R	K	1,257.72
5870	PFKP 6-phosphofructokinase type C	UPI00009790	85,579.40	726	737	NVIFQPVAELKK	R	Q	1,385.82
5871	EEF2 Elongation factor 2	UPI00186290	95,322.10	727	739	RCLYASVLTAQPR	R	L	1,534.82
5872	ATP1A1 Isoform Long of Sodium/potassium-transporting ATPase subunit alpha-1	UPI00006482,UPI00646182	112,881.50	727	743	KADIGVAMGIAGSDVSK	K	Q	1,618.85
5873	EEF2 Elongation factor 2	UPI00186290	95,322.10	728	739	CLYASVLTAQPR	R	L	1,378.71
5874	ATP1A1 Isoform Long of Sodium/potassium-transporting ATPase subunit alpha-1	UPI00006482,UPI00646182	112,881.50	728	743	ADIGVAMGIAGSDVSK	K	Q	1,506.75
5875	AARS Alanyl-tRNA synthetase, cytoplasmic	UPI00027442,UPI00910701	106,795.20	730	747	NSSHAGAFVIVTEEIAIAK	R	G	1,843.95
5876	ACTN4 Alpha-actinin-4	UPI00013808	104,839.20	734	745	VGWEQLLTTIAR	R	T	1,386.77
5877	BRD2 Isoform 1 of Bromodomain-containing protein 2	UPI00014414,UPI00797929,UPI00893088,UPI00893622	88,045.30	740	751	LQDVSGQLNSTK	R	K	1,289.67
5878	RRM1 Ribonucleoside-diphosphate reductase large subunit	UPI00013871	90,055.50	741	754	TRPAANPIQFTLNK	R	E	1,570.87
5879	HSPH1 Isoform Beta of Heat shock protein 105 kDa	UPI00218993,UPI00513743	92,099.00	745	762	IKELNNTCEPVVTQPKPK	K	I	2,095.12
5880	ACTN4 Alpha-actinin-4	UPI00013808	104,839.20	746	757	TINEVENQILTR	R	D	1,429.76
5881	COPB2 Coatomer subunit beta'	UPI00220219	102,471.10	748	759	TGRLPEAAFLAR	R	T	1,301.73
5882	TRIM28 Isoform 1 of Transcription intermediary factor 1-beta	UPI00438229,UPI00438230	88,531.00	751	767	LSPPYSSPQEFAQDVGR	K	M	1,877.90
5883	ABCF1 Isoform 2 of ATP-binding cassette sub-family F member 1	UPI00013495,UPI00873899	91,664.60	752	762	GAVIVVSHDAR	K	L	1,123.62
5884	DIS3 Isoform 2 of Exosome complex exonuclease RRP44	UPI00183462,UPI00746351	105,025.50	752	759	YADVIVHR	R	L	972.5261
5885	QRICH1 Glutamine-rich protein 1	UPI00328200	86,415.20	757	761	ILVIR	R	E	613.4396
5886	STAU1 Isoform Short of Double-stranded RNA-binding protein Staufen homolog 1	UPI00218609,UPI00643664,UPI_WendyP53Mut	124,563.80	757	769	VSVGEFVGELEGK	K	S	1,293.63
5887	ACTN4 Alpha-actinin-4	UPI00013808	104,839.20	761	771	GISQEQMQEFR	K	A	1,368.62
5888	MTHFD1 C-1-tetrahydrofolate synthase, cytoplasmic	UPI00218342,UPI00794900	101,543.50	761	772	TDTESELDLISR	K	L	1,378.67
5889	QRICH1 Glutamine-rich protein 1	UPI00328200	86,415.20	762	776	EIQEAIIVANASTMH	R	-	1,600.76

5890	PSMD2 26S proteasome non-ATPase regulatory subunit 2	IPI00012268	100,184.20	764	773	LAQGLTHLGK	R	G	1,037.61
5891	PFKP 6-phosphofructokinase type C	IPI00009790	85,579.40	766	784	ASYDVSDSGQLLEHVQPWSV	K	-	2,103.96
5892	ATP1A1 Isoform Long of Sodium/potassium-transporting ATPase subunit alpha-1	IPI00006482,IPI00646182	112,881.50	767	774	LIFDNLKK	R	S	990.5984
5893	UHRF1 ubiquitin-like with PHD and ring finger domains 1 isoform 2	IPI00797279,IPI00797945	91,082.30	767	776	AQVFSCPACR	R	Y	1,195.53
5894	EEF2 Elongation factor 2	IPI00186290	95,322.10	768	785	GHVFEESQVAGTPMFVVK	R	A	1,961.98
5895	PFKM cDNA FLJ44241 fis, clone THYMU3008436, highly similar to 6-phosphofructokinase, muscle type	IPI00465179,IPI00743142	93,203.30	771	785	IFANTPDSGCVLGMR	R	K	1,653.77
5896	HSPA4 Heat shock 70 kDa protein 4	IPI00002966	94,313.90	772	789	IKELTSTCSPHISKPKPK	K	V	2,027.16
5897	PWP2 Periodic tryptophan protein 2 homolog	IPI00300078	102,436.00	774	784	LVQEALAVPR	K	G	1,224.69
5898	TNPO1 transportin 1 isoform 1	IPI00024364,IPI00843876	102,340.80	774	785	TLENTAITIGR	K	L	1,301.74
5899	TRIM28 Isoform 1 of Transcription intermediary factor 1-beta	IPI00438229,IPI00438230	88,531.00	775	790	LTEDKADVQSIIGLQR	K	F	1,785.97
5900	STAU1 Isoform Short of Double-stranded RNA-binding protein Staufen homolog 1	IPI00218609,IPI00643664,IPI_WendyP53Mut	124,563.80	777	788	NAAIAVLEELKK	K	L	1,298.77
5901	EIF4G2 cDNA FLJ59571, highly similar to Eukaryotic translation initiation factor 4gamma 2	IPI00015952	110,247.70	777	787	MLPEIDQNKDR	K	M	1,374.67
5902	NOC3L Nucleolar complex protein 3 homolog	IPI00102815,IPI00843861	92,534.20	779	793	YSSEVATESPLDFTK	R	Y	1,673.79
5903	MATR3 Matrin-3	IPI00017297,IPI00789551	94,608.70	781	798	IGPYQPNVPVGVIDYVIPK	R	T	1,969.08
5904	NARG1 Isoform 1 of NMDA receptor-regulated protein 1	IPI00386189	101,259.90	783	797	AIELATTLDESLTNR	R	N	1,646.86
5905	EEF2 Elongation factor 2	IPI00186290	95,322.10	786	801	AYLPVNESFGFTADLR	K	S	1,799.90
5906	EEF2 Elongation factor 2	IPI00186290	95,322.10	786	801	AYLPVNESFGFTADLR	K	S	1,799.90
5907	EEF2 Elongation factor 2	IPI00186290	95,322.10	786	801	AYLPVNESFGFTADLR	K	S	1,799.90
5908	SMEK1 Isoform 1 of Serine/threonine-protein phosphatase 4 regulatory subunit 3A	IPI00217013,IPI00384714,IPI00479778,IPI00792955	95,354.30	787	797	NTSQTAAITTK	K	G	1,135.60
5909	ABCF1 Isoform 2 of ATP-binding cassette sub-family F member 1	IPI00013495,IPI00873899	91,664.60	792	807	EVLEALGEVMVSRPRE	R	-	1,813.95
5910	SART1 U4/U6.U5 tri-snRNP-associated protein 1	IPI00021417	90,239.10	792	800	SMNANTITK	K	-	995.4827
5911	ACTN4 Alpha-actinin-4	IPI00013808	104,839.20	792	813	ACLISLGYDVENDRQGEAEF NR	K	I	2,556.18
5912	MTHFD1 C-1-tetrahydrofolate synthase, cytoplasmic	IPI00218342,IPI00794900	101,543.50	794	804	GALALAQAVQR	K	A	1,097.64
5913	MCM3 cDNA FLJ55599, highly similar to DNA replication licensing factor MCM3	IPI00013214	95,892.30	794	801	VALLDVFR	K	E	932.5564
5914	TRIM28 Isoform 1 of Transcription intermediary factor 1-beta	IPI00438229,IPI00438230	88,531.00	796	804	MNEAFGDTK	R	F	1,028.44
5915	COPG Coatomer subunit gamma	IPI00783982	97,701.40	796	806	TLEEAVGNIVK	K	F	1,172.65
5916	MTHFD1 C-1-tetrahydrofolate synthase, cytoplasmic	IPI00218342,IPI00794900	101,543.50	805	819	AAQAPSSFQLLYDLK	R	L	1,651.87
5917	MATR3 Matrin-3	IPI00017297,IPI00789551	94,608.70	805	817	LCSLFYTNEEVAK	K	N	1,573.76
5918	MARS Methionyl-tRNA synthetase, cytoplasmic	IPI00008240	101,099.50	805	814	LENDQIESLR	K	Q	1,216.62
5919	STAU1 Isoform Short of Double-stranded RNA-binding protein Staufen homolog 1	IPI00218609,IPI00643664,IPI_WendyP53Mut	124,563.80	806	827	TKPIVKPQTSPEYGGGINPISR	K	L	2,410.31
5920	USO1 Putative uncharacterized protein DKFZp451D234	IPI00031583	109,171.10	810	821	SQLNSQSVEITK	K	L	1,333.70
5921	MTHFD1 C-1-tetrahydrofolate synthase, cytoplasmic	IPI00218342,IPI00794900	101,543.50	820	827	LPVEDKIR	K	I	969.5729
5922	UNC45A Isoform 1 of Protein unc-45 homolog A	IPI00072534,IPI00735181	103,060.90	822	836	LLVLYSGEDELLEQR	K	A	1,762.92
5923	PSMD1 Isoform 1 of 26S proteasome non-ATPase regulatory subunit 1	IPI00299608,IPI00456695	105,821.20	828	838	VSTAVLSITAK	K	A	1,089.65
5924	STAU1 Isoform Short of Double-stranded RNA-binding protein Staufen homolog 1	IPI00218609,IPI00643664,IPI_WendyP53Mut	124,563.80	828	835	LAQIQQAK	R	K	899.531
5925	DIS3 Isoform 2 of Exosome complex exonuclease RRP44	IPI00183462,IPI00746351	105,025.50	828	836	NAIVVLIPK	K	Y	966.6347
5926	COPG2 Coatomer subunit gamma-2	IPI00002557	97,606.50	833	840	GGYDLLVR	R	S	892.4888

5927	STAU1 Isoform Short of Double-stranded RNA-binding protein Staufen homolog 1	IPI00218609,IPI00643664,IPL_WendyP53Mut	124,563.80	836	848	KEKEPEYLLTER	K	G	1,635.86
5928	ACTN4 Alpha-actinin-4	IPI00013808	104,839.20	838	853	ETDTDADQVIASFK	R	V	1,741.81
5929	USO1 Putative uncharacterized protein DKFZp451D234	IPI00031583	109,171.10	839	853	SVEVQGETETIIATK	K	T	1,604.84
5930	COPG Coatomer subunit gamma	IPI00783982	97,701.40	846	859	LLLLDVTMQVTAR	R	S	1,589.89
5931	PSMD2 26S proteasome non-ATPase regulatory subunit 2	IPI00012268	100,184.20	846	860	VGQAVDVVGQAGKPK	R	T	1,452.82
5932	EIF3CL;EIF3C Eukaryotic translation initiation factor 3 subunit C	IPI00016910,IPI00646839,IPI00873286,IPI00910003	105,329.20	847	862	TEPTAQQLALQLAEK	R	L	1,754.93
5933	CSE1L Isoform 1 of Exportin-2	IPI00022744,IPI00219994	110,403.90	849	863	LLTECPPMMDTEYTK	K	L	1,860.81
5934	AOF2 Isoform 2 of Lysine-specific histone demethylase 1	IPI00217540,IPI00456631	95,137.70	849	862	IADQFLGAMYTLPR	R	Q	1,595.83
5935	EPRS Bifunctional aminoacyl-tRNA synthetase	IPI00013452,IPI00909383	170,632.20	850	861	INEAVECLLSLK	K	A	1,388.75
5936	IDE Insulin-degrading enzyme	IPI00220373	117,956.00	863	872	VEAFLITMEK	R	S	1,196.62
5937	EIF3CL;EIF3C Eukaryotic translation initiation factor 3 subunit C	IPI00016910,IPI00646839,IPI00873286,IPI00910003	105,329.20	863	872	LGSLVENNER	K	V	1,130.58
5938	MTHFD1 C-1-tetrahydrofolate synthase, cytoplasmic	IPI00218342,IPI00794900	101,543.50	867	878	THLSLSHNPEQK	K	G	1,390.71
5939	ACTN4 Alpha-actinin-4	IPI00013808	104,839.20	870	882	ELPPDQAEYCIAR	R	M	1,561.73
5940	SND1 Staphylococcal nuclease domain-containing protein 1	IPI00140420,IPI00910438	101,980.50	874	886	VITEYLNAQESAK	K	S	1,465.75
5941	MTHFD1 C-1-tetrahydrofolate synthase, cytoplasmic	IPI00218342,IPI00794900	101,543.50	879	889	GVPTGFILPIR	K	D	1,169.70
5942	CLTC Isoform 1 of Clathrin heavy chain 1	IPI00024067,IPI00455383	191,600.90	882	892	IYIDSNNNPER	K	F	1,334.63
5943	ACTN4 Alpha-actinin-4	IPI00013808	104,839.20	883	899	MAPYQGPDVPGALDYK	R	S	1,792.86
5944	PRPF6 Pre-mRNA-processing factor 6	IPI00305068	106,909.70	884	898	FELQHGTEEQEEVR	K	K	1,858.86
5945	XRN2 Isoform 1 of 5'-3' exoribonuclease 2	IPI00100151,IPI00788157	108,567.60	884	895	GVGAEPLLPWNR	R	M	1,308.71
5946	CSE1L Isoform 1 of Exportin-2	IPI00022744,IPI00219994	110,403.90	913	925	EHDPVGQMVNNPK	K	I	1,480.69
5947	CSE1L Isoform 1 of Exportin-2	IPI00022744,IPI00219994	110,403.90	935	942	LSTACPGR	K	V	861.4248
5948	STAU1 Isoform Short of Double-stranded RNA-binding protein Staufen homolog 1	IPI00218609,IPI00643664,IPL_WendyP53Mut	124,563.80	986	994	ATVTAMIAR	K	E	949.5136
5949	STAU1 Isoform Short of Double-stranded RNA-binding protein Staufen homolog 1	IPI00218609,IPI00643664,IPL_WendyP53Mut	124,563.80	995	1010	ELLYGGTSPTAETILK	R	N	1,692.91
5950	UBA1 Ubiquitin-like modifier-activating enzyme 1	IPI00645078	117,832.30	1011	1021	LDQPMTEIVSR	R	V	1,288.66
5951	STAU1 Isoform Short of Double-stranded RNA-binding protein Staufen homolog 1	IPI00218609,IPI00643664,IPL_WendyP53Mut	124,563.80	1089	1102	LLSELDQQSTEMPR	K	T	1,646.81
5952	STAU1 Isoform Short of Double-stranded RNA-binding protein Staufen homolog 1	IPI00218609,IPI00643664,IPL_WendyP53Mut	124,563.80	1103	1113	TGNGPMSVCGR	R	-	1,151.49
5953	CLTC Isoform 1 of Clathrin heavy chain 1	IPI00024067,IPI00455383	191,600.90	1216	1226	LLYNNVSNFGR	K	L	1,296.67
5954	FASN Fatty acid synthase	IPI00026781	273,382.00	1852	1866	VVVQVLAEEPEAVLK	K	G	1,622.94
5955	MYH9 Isoform 1 of Myosin-9	IPI00019502,IPI00395772	226,519.50	1923	1932	RGDLFPVVPR	R	R	1,155.66
5956	FASN Fatty acid synthase	IPI00026781	273,382.00	2383	2396	VLEALLPLKGLEER	R	V	1,579.94