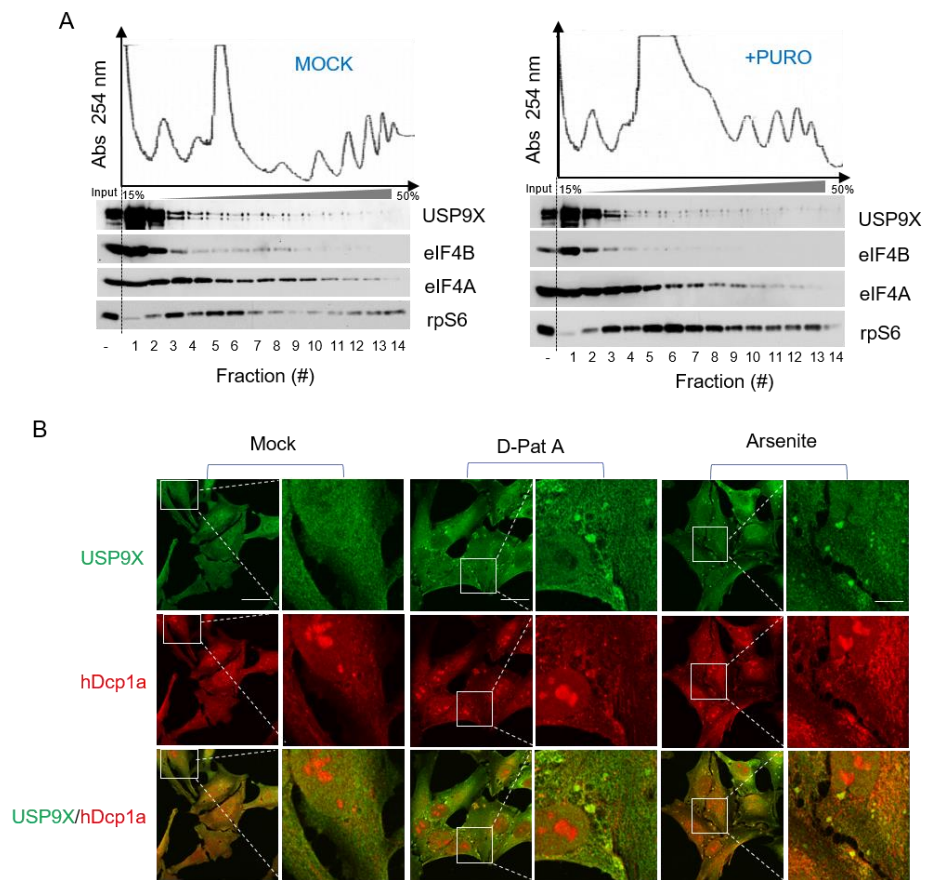
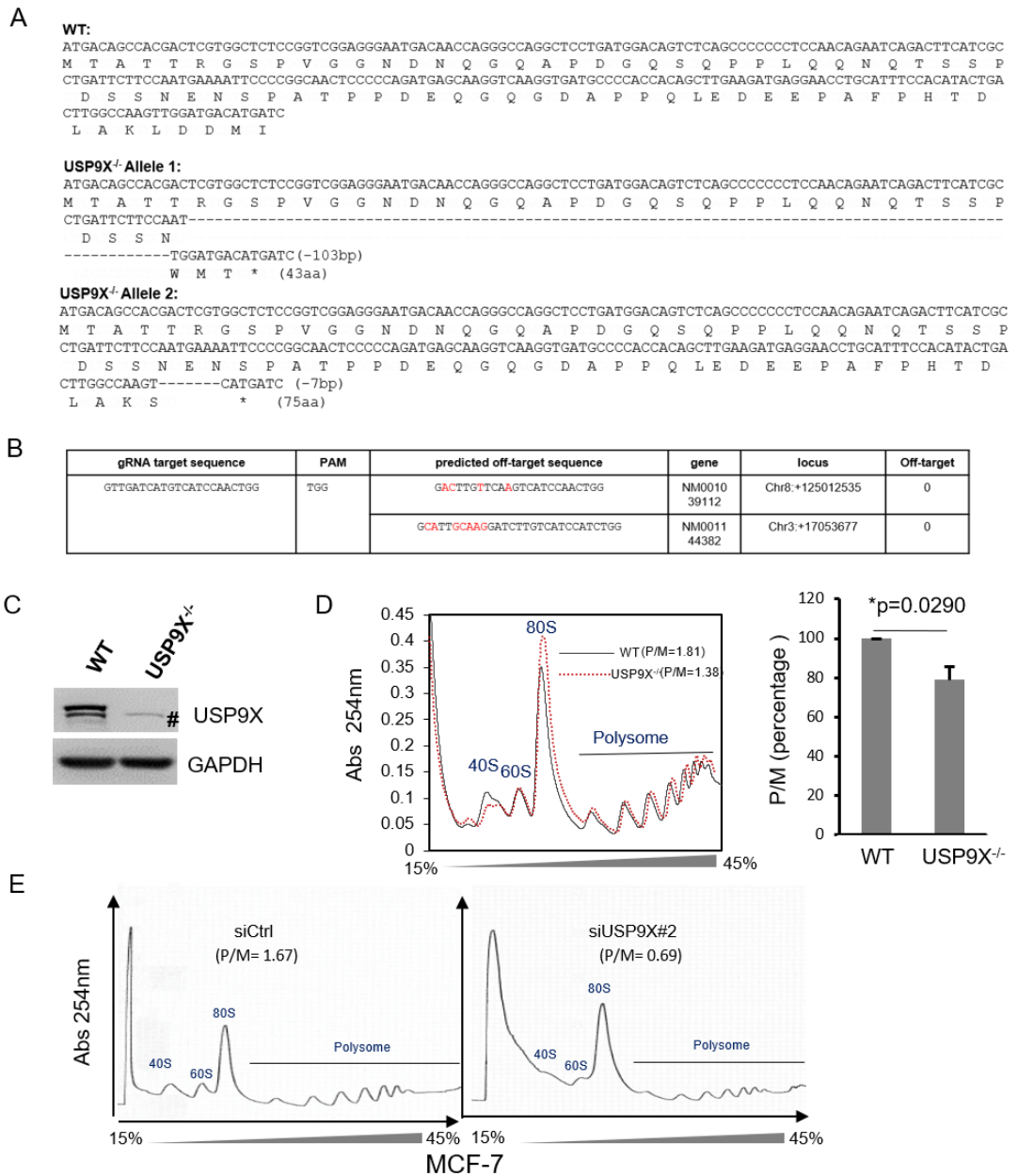


Supplemental Figure S1



(A) Co-sedimentation of USP9X with eIF4B and eIF4A with or without puromycin treatment. Approximately 7×10^6 of HEK293T cells were treated with or without $10 \mu\text{M}$ puromycin for 30 min, harvested, centrifuged over a 15%-50% sucrose gradient and analyzed using a continuous 254-nm monitoring system. The fractions were collected and TCA precipitated. Proteins that precipitated from fractions were analysed using Western blotting with the indicated antibodies. (B) Immunofluorescence staining of USP9X and hDcp1a in HeLa cells treated with either $0.1 \mu\text{M}$ D-PatA or 0.3 mM sodium arsenite for 1.5 h. USP9X did not completely colocalized with the P-bodies marker hDcp1a.

Supplemental Figure S2



(A) Sequences of the modified USP9X gene in the human HEK293T WT and USP9X^{-/-} (Clone 14) cells. The PCR products were analyzed using DNA sequencing. (B) Mutation frequency analysis at the predicted off-target sites. The off-target sites were predicted and aligned with the human genome. The off-target sequences in red indicate

bases that differ from the on-target sites. (C) Expression analysis of USP9X and GAPDH (as loading control) in HEK293T wildtype (WT) and USP9X knock-out (USP9X^{-/-}) cells. (#) indicated a cross-reacting band. (D) Representative polyribosome profiles analysis and corresponding P/M ratio of HEK293T WT and USP9X^{-/-} cells, by using methods described in “Materials and Methods”. *P =0.029 (n=3) for the USP9X^{-/-} cells compared with WT HEK293T cells. (E) Representative polyribosome profiles analysis and corresponding P/M ratio of MCF-7 cells treated with either targeted siRNA or control siRNA, by using methods described in “Materials and Methods”.

Supplemental Table S1 : Specific proteins identified in eIF4B affinity purification

NOTE: "prot_acc": uniprot database unique identifier; "prot_desc": uniprot database protein description ; "prot_score": protein score by mascot software;"prot_matches": numbers of assigned peptide matches ;"prot_mass":protein mass ;"emPAI": Estimation of Absolute Protein Amount in Proteomics by the Number of Sequenced Peptides per Protein

eIF4BIP_B1

prot_acc	prot_desc	prot_score	prot_mass	prot_matches	emPAI
Q93008	Probable ubiquitin carboxyl-terminal hydrolase FAF-X OS=Homo sapiens GN=USP9X PE=1 SV=3	53	292094	1	0.01
B4DS13	Eukaryotic translation initiation factor 4B OS=Homo sapiens GN=EIF4B PE=2 SV=1	48	64767	2	0.1
Q9Y238-2	Isoform 2 of Deleted in lung and esophageal cancer protein 1 OS=Homo sapiens GN=DLEC1	40	102838	1	0.03
Q92914	Fibroblast growth factor 11 OS=Homo sapiens GN=FGF11 PE=2 SV=1	31	24989	1	0.13

eIF4BIP_B2

prot_acc	prot_desc	prot_score	prot_mass	prot_matches	emPAI
Q14152	Eukaryotic translation initiation factor 3 subunit A OS=Homo sapiens GN=EIF3A PE=1 SV=1	147	166468	7	0.1
Q93008-1	Isoform 2 of Probable ubiquitin carboxyl-terminal hydrolase FAF-X OS=Homo sapiens GN=USP9X	82	290278	3	0.03
Q86SJ6	Desmoglein-4 OS=Homo sapiens GN=DSG4 PE=1 SV=1	72	113751	1	0.03
P62805	Histone H4 OS=Homo sapiens GN=HIST1H4A PE=1 SV=2	63	11360	1	0.29
H0YEX4	Cell adhesion molecule-related/down-regulated by oncogenes (Fragment) OS=Homo sapiens GN=CDO	45	69697	1	0.04

eIF4BIP_B3

prot_acc	prot_desc	prot_score	prot_mass	prot_matches	emPAI
Q14152	Eukaryotic translation initiation factor 3 subunit A OS=Homo sapiens GN=EIF3A PE=1 SV=1	238	166468	21	0.25
Q93008	Probable ubiquitin carboxyl-terminal hydrolase FAF-X OS=Homo sapiens GN=USP9X PE=1 SV=3	115	292094	4	0.03
H3BRV0	Eukaryotic translation initiation factor 3 subunit C OS=Homo sapiens GN=EIF3C PE=2 SV=1	109	104036	4	0.09
C9JQN7	Eukaryotic translation initiation factor 3 subunit B (Fragment) OS=Homo sapiens GN=EIF3B PE=2 SV=1	67	18066	1	0.18
B4DS13	Eukaryotic translation initiation factor 4B OS=Homo sapiens GN=EIF4B PE=2 SV=1	60	64767	3	0.15
Q00839	Heterogeneous nuclear ribonucleoprotein U OS=Homo sapiens GN=HNRNPU PE=1 SV=6	56	90528	2	0.03
O00507	Probable ubiquitin carboxyl-terminal hydrolase FAF-Y OS=Homo sapiens GN=USP9Y PE=1 SV=2	52	290891	1	0.01
Q8TBJ5	Fez family zinc finger protein 2 OS=Homo sapiens GN=FEZF2 PE=2 SV=2	42	48780	1	0.06

eIF4BIP_B4

prot_acc	prot_desc	prot_score	prot_mass	prot_matches	emPAI
Q14152	Eukaryotic translation initiation factor 3 subunit A OS=Homo sapiens GN=EIF3A PE=1 SV=1	262	166468	13	0.18
E7EX17	Eukaryotic translation initiation factor 4B OS=Homo sapiens GN=EIF4B PE=2 SV=1	239	69657	15	0.62
H3BRV0	Eukaryotic translation initiation factor 3 subunit C OS=Homo sapiens GN=EIF3C PE=2 SV=1	148	104036	5	0.09
P55884	Eukaryotic translation initiation factor 3 subunit B OS=Homo sapiens GN=EIF3B PE=1 SV=3	142	92424	4	0.14
Q00839	Heterogeneous nuclear ribonucleoprotein U OS=Homo sapiens GN=HNRNPU PE=1 SV=6	67	90528	1	0.03
Q93008	Probable ubiquitin carboxyl-terminal hydrolase FAF-X OS=Homo sapiens GN=USP9X PE=1 SV=3	63	292094	2	0.01
Q92499	ATP-dependent RNA helicase DDX1 OS=Homo sapiens GN=DDX1 PE=1 SV=2	53	82380	1	0.04

eIF4BIP_B5

prot_acc	prot_desc	prot_score	prot_mass	prot_matches	emPAI
Q14152	Eukaryotic translation initiation factor 3 subunit A OS=Homo sapiens GN=EIF3A PE=1 SV=1	386	166468	24	0.27
H3BRV0	Eukaryotic translation initiation factor 3 subunit C OS=Homo sapiens GN=EIF3C PE=2 SV=1	371	104036	13	0.47
Q93008-1	Isoform 2 of Probable ubiquitin carboxyl-terminal hydrolase FAF-X OS=Homo sapiens GN=USP9X	200	290278	10	0.08
O00571	ATP-dependent RNA helicase DDX3X OS=Homo sapiens GN=DDX3X PE=1 SV=3	188	73198	7	0.34
B4DS13	Eukaryotic translation initiation factor 4B OS=Homo sapiens GN=EIF4B PE=2 SV=1	163	64767	10	0.46
P55884	Eukaryotic translation initiation factor 3 subunit B OS=Homo sapiens GN=EIF3B PE=1 SV=3	159	92424	7	0.18
P11142-2	Isoform 2 of Heat shock cognate 71 kDa protein OS=Homo sapiens GN=HSPA8	150	53484	5	0.33
O00507	Probable ubiquitin carboxyl-terminal hydrolase FAF-Y OS=Homo sapiens GN=USP9Y PE=1 SV=2	125	290891	7	0.04
P17066	Heat shock 70 kDa protein 6 OS=Homo sapiens GN=HSPA6 PE=1 SV=2	109	70984	3	0.14
P08107	Heat shock 70 kDa protein 1A/1B OS=Homo sapiens GN=HSPA1A PE=1 SV=5	99	70009	3	0.09
E7ERJ7	Polyadenylate-binding protein 1 OS=Homo sapiens GN=PABPC1 PE=2 SV=1	92	67096	4	0.15
Q5R118	Heterogeneous nuclear ribonucleoprotein U (Fragment) OS=Homo sapiens GN=HNRNPU PE=2 SV=1	41	27387	1	0.12

eIF4BIP_B6

prot_acc	prot_desc	prot_score	prot_mass	prot_matches	emPAI
Q14152	Eukaryotic translation initiation factor 3 subunit A OS=Homo sapiens GN=EIF3A PE=1 SV=1	334	166468	16	0.18
J3KN35	Eukaryotic translation initiation factor 3 subunit L OS=Homo sapiens GN=EIF3L PE=4 SV=1	231	62653	12	0.55
P55884	Eukaryotic translation initiation factor 3 subunit B OS=Homo sapiens GN=EIF3B PE=1 SV=3	179	92424	8	0.26
B4DS13	Eukaryotic translation initiation factor 4B OS=Homo sapiens GN=EIF4B PE=2 SV=1	161	64767	9	0.46
H3BRV0	Eukaryotic translation initiation factor 3 subunit C OS=Homo sapiens GN=EIF3C PE=2 SV=1	135	104036	4	0.13
B0QYA3	Eukaryotic translation initiation factor 3 subunit D (Fragment) OS=Homo sapiens GN=EIF3D PE=2 SV=1	106	19769	1	0.16
B4DT23	Protein FAM98A OS=Homo sapiens GN=FAM98A PE=2 SV=1	103	34066	1	0.09
P08107	Heat shock 70 kDa protein 1A/1B OS=Homo sapiens GN=HSPA1A PE=1 SV=5	81	70009	2	0.09
E9PN89	Heat shock cognate 71 kDa protein (Fragment) OS=Homo sapiens GN=HSPA8 PE=2 SV=1	76	34797	3	0.19
Q93008-1	Isoform 2 of Probable ubiquitin carboxyl-terminal hydrolase FAF-X OS=Homo sapiens GN=USP9X	76	290278	5	0.04
B4DXX7	ATP-dependent RNA helicase DDX3Y OS=Homo sapiens GN=DDX3Y PE=2 SV=1	52	72886	1	0.04

eIF4BIP_B7

prot_acc	prot_desc	prot_score	prot_mass	prot_matches	emPAI
Q93008	Probable ubiquitin carboxyl-terminal hydrolase FAF-X OS=Homo sapiens GN=USP9X PE=1 SV=3	127	292094	2	0.02
H3BRV0	Eukaryotic translation initiation factor 3 subunit C OS=Homo sapiens GN=EIF3C PE=2 SV=1	114	104036	2	0.06
P55884	Eukaryotic translation initiation factor 3 subunit B OS=Homo sapiens GN=EIF3B PE=1 SV=3	74	92424	2	0.07
O00507	Probable ubiquitin carboxyl-terminal hydrolase FAF-Y OS=Homo sapiens GN=USP9Y PE=1 SV=2	60	290891	1	0.01
B4DS13	Eukaryotic translation initiation factor 4B OS=Homo sapiens GN=EIF4B PE=2 SV=1	54	64767	8	0.21
C9JQK2	Ankyrin repeat domain-containing protein 53 OS=Homo sapiens GN=ANKRD53 PE=2 SV=1	40	28634	1	0.11
Q96JT2	Solute carrier family 45 member 3 OS=Homo sapiens GN=SLC45A3 PE=2 SV=1	34	59284	1	0.05
B3KSH1	Eukaryotic translation initiation factor 3 subunit F OS=Homo sapiens GN=EIF3F PE=2 SV=1	27	39122	1	0.08

eIF4BIP_B8

prot_acc	prot_desc	prot_score	prot_mass	prot_matches	emPAI
B4DEW9	Eukaryotic translation initiation factor 3 subunit F OS=Homo sapiens GN=EIF3F PE=2 SV=1	197	23152	7	1.17
H3BRV0	Eukaryotic translation initiation factor 3 subunit C OS=Homo sapiens GN=EIF3C PE=2 SV=1	151	104036	7	0.16
B4DS13	Eukaryotic translation initiation factor 4B OS=Homo sapiens GN=EIF4B PE=2 SV=1	129	64767	8	0.33
B4DXX7	ATP-dependent RNA helicase DDX3Y OS=Homo sapiens GN=DDX3Y PE=2 SV=1	125	72886	3	0.13
P55884	Eukaryotic translation initiation factor 3 subunit B OS=Homo sapiens GN=EIF3B PE=1 SV=3	118	92424	6	0.18
B0QYA3	Eukaryotic translation initiation factor 3 subunit D (Fragment) OS=Homo sapiens GN=EIF3D PE=2 SV=1	100	19769	1	0.16
Q14152	Eukaryotic translation initiation factor 3 subunit A OS=Homo sapiens GN=EIF3A PE=1 SV=1	86	166468	9	0.04
H3BNC1	RNA-binding motif protein, X chromosome, N-terminally processed OS=Homo sapiens GN=RBMX PE=2	65	4008	1	0.9
H7C211	Protein arginine N-methyltransferase 1 OS=Homo sapiens GN=PRMT1 PE=2 SV=1	61	42434	2	0.07
E9PFG1	Probable ubiquitin carboxyl-terminal hydrolase FAF-X OS=Homo sapiens GN=USP9X PE=2 SV=1	60	116177	2	0.05
K7EL20	Eukaryotic translation initiation factor 3 subunit G (Fragment) OS=Homo sapiens GN=EIF3G PE=3 SV=1	60	29362	2	0.11
B0QY89	Eukaryotic translation initiation factor 3 subunit L OS=Homo sapiens GN=EIF3L PE=2 SV=1	52	70857	3	0.04
Q7L2H7	Eukaryotic translation initiation factor 3 subunit M OS=Homo sapiens GN=EIF3M PE=1 SV=1	49	42476	3	0.15
Q9Y310	tRNA-splicing ligase RtcB homolog OS=Homo sapiens GN=C22orf28 PE=1 SV=1	48	55175	1	0.06
H0YBR5	Eukaryotic translation initiation factor 3 subunit E (Fragment) OS=Homo sapiens GN=EIF3E PE=4 SV=1	47	20244	1	0.16
Q96JT2	Solute carrier family 45 member 3 OS=Homo sapiens GN=SLC45A3 PE=2 SV=1	34	59284	1	0.05

eIF4BIP_B9

prot_acc	prot_desc	prot_score	prot_mass	prot_matches	emPAI
Q7L2H7	Eukaryotic translation initiation factor 3 subunit M OS=Homo sapiens GN=EIF3M PE=1 SV=1	235	42476	8	0.77
O15372	Eukaryotic translation initiation factor 3 subunit H OS=Homo sapiens GN=EIF3H PE=1 SV=1	167	39905	10	0.58
B0QY89	Eukaryotic translation initiation factor 3 subunit L OS=Homo sapiens GN=EIF3L PE=2 SV=1	129	70857	11	0.35
E7EX17	Eukaryotic translation initiation factor 4B OS=Homo sapiens GN=EIF4B PE=2 SV=1	117	69657	9	0.36
P60228	Eukaryotic translation initiation factor 3 subunit E OS=Homo sapiens GN=EIF3E PE=1 SV=1	112	52187	8	0.34
P55884	Eukaryotic translation initiation factor 3 subunit B OS=Homo sapiens GN=EIF3B PE=1 SV=3	104	92424	4	0.14

H7C2I1	Protein arginine N-methyltransferase 1 OS=Homo sapiens GN=PRMT1 PE=2 SV=1	100	42434	4	0.33
B0QYA3	Eukaryotic translation initiation factor 3 subunit D (Fragment) OS=Homo sapiens GN=EIF3D PE=2 SV=1	86	19769	1	0.16
H3BRV0	Eukaryotic translation initiation factor 3 subunit C OS=Homo sapiens GN=EIF3C PE=2 SV=1	83	104036	5	0.09
F5H335	Eukaryotic translation initiation factor 3 subunit A OS=Homo sapiens GN=EIF3A PE=2 SV=1	74	162537	2	0.04
A6NE09	Protein RPSAP58 OS=Homo sapiens GN=RPSAP58 PE=2 SV=1	68	32888	2	0.1
Q8IXT5	RNA-binding protein 12B OS=Homo sapiens GN=RBM12B PE=1 SV=2	39	118030	1	0.03
Q93008-1	Isoform 2 of Probable ubiquitin carboxyl-terminal hydrolase FAF-X OS=Homo sapiens GN=USP9X	37	290278	2	0.01
O00507	Probable ubiquitin carboxyl-terminal hydrolase FAF-Y OS=Homo sapiens GN=USP9Y PE=1 SV=2	37	290891	2	0.01
E9PI65	Heat shock cognate 71 kDa protein (Fragment) OS=Homo sapiens GN=HSPA8 PE=2 SV=1	35	17905	1	0.18

EIF4BIP_B10

prot_acc	prot_desc	prot_score	prot_mass	prot_matches	empAI
H3BRV0	Eukaryotic translation initiation factor 3 subunit C OS=Homo sapiens GN=EIF3C PE=2 SV=1	338	104036	10	0.3
P55884	Eukaryotic translation initiation factor 3 subunit B OS=Homo sapiens GN=EIF3B PE=1 SV=3	186	92424	7	0.22
Q7L2H7	Eukaryotic translation initiation factor 3 subunit M OS=Homo sapiens GN=EIF3M PE=1 SV=1	153	42476	5	0.43
E5RGA2	Eukaryotic translation initiation factor 3 subunit E OS=Homo sapiens GN=EIF3E PE=2 SV=1	153	41331	11	0.67
E7EX17	Eukaryotic translation initiation factor 4B OS=Homo sapiens GN=EIF4B PE=2 SV=1	120	69657	11	0.55
H0YA55	Serum albumin (Fragment) OS=Homo sapiens GN=ALB PE=4 SV=1	106	51537	5	0.19
Q13347	Eukaryotic translation initiation factor 3 subunit I OS=Homo sapiens GN=EIF3I PE=1 SV=1	101	36479	5	0.51
Q93008	Probable ubiquitin carboxyl-terminal hydrolase FAF-X OS=Homo sapiens GN=USP9X PE=1 SV=3	70	292094	1	0.01
O00507	Probable ubiquitin carboxyl-terminal hydrolase FAF-Y OS=Homo sapiens GN=USP9Y PE=1 SV=2	59	290891	1	0.01
B3KS98	Eukaryotic translation initiation factor 3 subunit H OS=Homo sapiens GN=EIF3S3 PE=2 SV=1	58	41555	2	0.08
B0QY89	Eukaryotic translation initiation factor 3 subunit L OS=Homo sapiens GN=EIF3L PE=2 SV=1	46	70857	2	0.04
B4DVY1	Eukaryotic translation initiation factor 3 subunit D OS=Homo sapiens GN=EIF3D PE=2 SV=1	44	58104	1	0.05
D6RC30	Transmembrane protein 232 (Fragment) OS=Homo sapiens GN=TMEM232 PE=2 SV=1	43	28664	1	0.11

EIF4BIP_B11

prot_acc	prot_desc	prot_score	prot_mass	prot_matches	empAI
E7EX17	Eukaryotic translation initiation factor 4B OS=Homo sapiens GN=EIF4B PE=2 SV=1	251	69657	14	0.69
H3BRV0	Eukaryotic translation initiation factor 3 subunit C OS=Homo sapiens GN=EIF3C PE=2 SV=1	227	104036	9	0.3
O00303	Eukaryotic translation initiation factor 3 subunit F OS=Homo sapiens GN=EIF3F PE=1 SV=1	202	37540	6	0.62
B0QY89	Eukaryotic translation initiation factor 3 subunit L OS=Homo sapiens GN=EIF3L PE=2 SV=1	174	70857	9	0.3
P55884	Eukaryotic translation initiation factor 3 subunit B OS=Homo sapiens GN=EIF3B PE=1 SV=3	159	92424	8	0.26
Q13347	Eukaryotic translation initiation factor 3 subunit I OS=Homo sapiens GN=EIF3I PE=1 SV=1	127	36479	7	0.79
E9PI65	Heat shock cognate 71 kDa protein (Fragment) OS=Homo sapiens GN=HSPA8 PE=2 SV=1	126	17905	2	0.39
Q7L2H7	Eukaryotic translation initiation factor 3 subunit M OS=Homo sapiens GN=EIF3M PE=1 SV=1	111	42476	4	0.24
E5RGA2	Eukaryotic translation initiation factor 3 subunit E OS=Homo sapiens GN=EIF3E PE=2 SV=1	109	41331	5	0.34
B0QYA3	Eukaryotic translation initiation factor 3 subunit D (Fragment) OS=Homo sapiens GN=EIF3D PE=2 SV=1	89	19769	2	0.35
Q93008-1	Isoform 2 of Probable ubiquitin carboxyl-terminal hydrolase FAF-X OS=Homo sapiens GN=USP9X	68	290278	2	0.02
B1ALC0	Actin-related protein 2/3 complex subunit 5 OS=Homo sapiens GN=ARPC5 PE=2 SV=1	60	14798	1	0.22
H0YH80	Heterogeneous nuclear ribonucleoprotein A1 (Fragment) OS=Homo sapiens GN=HNRNPA1 PE=2 SV=	48	19460	1	0.17
B4DUJ3	Eukaryotic translation initiation factor 3 subunit J OS=Homo sapiens GN=EIF3J PE=2 SV=1	47	22927	2	0.14
F5H335	Eukaryotic translation initiation factor 3 subunit A OS=Homo sapiens GN=EIF3A PE=2 SV=1	41	162537	4	0.06
A2A3R5	40S ribosomal protein S6 OS=Homo sapiens GN=RPS6 PE=2 SV=1	39	24953	1	0.13
B7Z6M4	BTB/POZ domain-containing adapter for CUL3-mediated RhoA degradation protein 2 OS=Homo sapien	33	24693	1	0.13
Q8IXT5	RNA-binding protein 12B OS=Homo sapiens GN=RBM12B PE=1 SV=2	31	118030	1	0.03
K7EKL5	DENN domain-containing protein 1C OS=Homo sapiens GN=DENND1C PE=4 SV=1	21	23537	1	0.13

EIF4BIP_B12

prot_acc	prot_desc	prot_score	prot_mass	prot_matches	empAI
E7EX17	Eukaryotic translation initiation factor 4B OS=Homo sapiens GN=EIF4B PE=2 SV=1	78	69657	6	0.14
J3KN86	40S ribosomal protein S3 OS=Homo sapiens GN=RPS3 PE=3 SV=1	76	28468	5	0.37
B0QYA3	Eukaryotic translation initiation factor 3 subunit D (Fragment) OS=Homo sapiens GN=EIF3D PE=2 SV=1	68	19769	1	0.16

P62753	40S ribosomal protein S6 OS=Homo sapiens GN=RPS6 PE=1 SV=1	42	28663	2	0.11
B3KSH1	Eukaryotic translation initiation factor 3 subunit F OS=Homo sapiens GN=EIF3F PE=2 SV=1	38	39122	1	0.08
D6RAT0	40S ribosomal protein S3a OS=Homo sapiens GN=RPS3A PE=2 SV=1	32	25870	3	0.12

eIF4BIP_B13

prot_acc	prot_desc	prot_score	prot_mass	prot_matches	emPAI
H3BRV0	Eukaryotic translation initiation factor 3 subunit C OS=Homo sapiens GN=EIF3C PE=2 SV=1	201	104036	7	0.23
Q5JR95	40S ribosomal protein S8 OS=Homo sapiens GN=RPS8 PE=2 SV=1	188	21866	6	0.98
J3KN86	40S ribosomal protein S3 OS=Homo sapiens GN=RPS3 PE=3 SV=1	179	28468	5	0.7
B4DS13	Eukaryotic translation initiation factor 4B OS=Homo sapiens GN=EIF4B PE=2 SV=1	165	64767	8	0.39
P55884	Eukaryotic translation initiation factor 3 subunit B OS=Homo sapiens GN=EIF3B PE=1 SV=3	139	92424	7	0.22
P62701	40S ribosomal protein S4, X isoform OS=Homo sapiens GN=RPS4X PE=1 SV=2	126	29579	7	0.67
B0QYA3	Eukaryotic translation initiation factor 3 subunit D (Fragment) OS=Homo sapiens GN=EIF3D PE=2 SV=1	106	19769	1	0.16
B3KS98	Eukaryotic translation initiation factor 3 subunit H OS=Homo sapiens GN=EIF3S3 PE=2 SV=1	105	41555	4	0.16
B4DVY1	Eukaryotic translation initiation factor 3 subunit D OS=Homo sapiens GN=EIF3D PE=2 SV=1	99	58104	2	0.11
Q13347	Eukaryotic translation initiation factor 3 subunit I OS=Homo sapiens GN=EIF3I PE=1 SV=1	76	36479	4	0.28
E5RGA2	Eukaryotic translation initiation factor 3 subunit E OS=Homo sapiens GN=EIF3E PE=2 SV=1	75	41331	3	0.25
E9PI65	Heat shock cognate 71 kDa protein (Fragment) OS=Homo sapiens GN=HSPA8 PE=2 SV=1	62	17905	1	0.18
A2A3R5	40S ribosomal protein S6 OS=Homo sapiens GN=RPS6 PE=2 SV=1	54	24953	1	0.13
K7EP16	Eukaryotic translation initiation factor 3 subunit G (Fragment) OS=Homo sapiens GN=EIF3G PE=4 SV=1	36	13204	1	0.25
D6RG13	40S ribosomal protein S3a (Fragment) OS=Homo sapiens GN=RPS3A PE=2 SV=1	35	25591	2	0.12
B7Z6M4	BTB/POZ domain-containing adapter for CUL3-mediated RhoA degradation protein 2 OS=Homo sapiens	33	24693	1	0.13
B0QY89	Eukaryotic translation initiation factor 3 subunit L OS=Homo sapiens GN=EIF3L PE=2 SV=1	32	70857	3	0.04

eIF4BIP_B14

prot_acc	prot_desc	prot_score	prot_mass	prot_matches	emPAI
Q5JR95	40S ribosomal protein S8 OS=Homo sapiens GN=RPS8 PE=2 SV=1	202	21866	6	0.51
E7EX17	Eukaryotic translation initiation factor 4B OS=Homo sapiens GN=EIF4B PE=2 SV=1	186	69657	15	0.55
Q13347	Eukaryotic translation initiation factor 3 subunit I OS=Homo sapiens GN=EIF3I PE=1 SV=1	184	36479	8	0.79
B4DEW9	Eukaryotic translation initiation factor 3 subunit F OS=Homo sapiens GN=EIF3F PE=2 SV=1	172	23152	6	1.17
P55884	Eukaryotic translation initiation factor 3 subunit B OS=Homo sapiens GN=EIF3B PE=1 SV=3	165	92424	8	0.3
H3BRV0	Eukaryotic translation initiation factor 3 subunit C OS=Homo sapiens GN=EIF3C PE=2 SV=1	142	104036	4	0.13
B3KS98	Eukaryotic translation initiation factor 3 subunit H OS=Homo sapiens GN=EIF3S3 PE=2 SV=1	120	41555	6	0.25
B0QY89	Eukaryotic translation initiation factor 3 subunit L OS=Homo sapiens GN=EIF3L PE=2 SV=1	101	70857	4	0.14
O75821	Eukaryotic translation initiation factor 3 subunit G OS=Homo sapiens GN=EIF3G PE=1 SV=2	99	35589	4	0.29
Q7L2H7	Eukaryotic translation initiation factor 3 subunit M OS=Homo sapiens GN=EIF3M PE=1 SV=1	97	42476	3	0.15
P08107	Heat shock 70 kDa protein 1A/1B OS=Homo sapiens GN=HSPA1A PE=1 SV=5	91	70009	2	0.09
E5RGA2	Eukaryotic translation initiation factor 3 subunit E OS=Homo sapiens GN=EIF3E PE=2 SV=1	89	41331	3	0.16
E9PFG1	Probable ubiquitin carboxyl-terminal hydrolase FAF-X OS=Homo sapiens GN=USP9X PE=2 SV=1	89	116177	1	0.03
E9PI65	Heat shock cognate 71 kDa protein (Fragment) OS=Homo sapiens GN=HSPA8 PE=2 SV=1	78	17905	2	0.39
P62701	40S ribosomal protein S4, X isoform OS=Homo sapiens GN=RPS4X PE=1 SV=2	73	29579	1	0.11
H0YCJ7	40S ribosomal protein S3 (Fragment) OS=Homo sapiens GN=RPS3 PE=2 SV=1	67	14994	1	0.22
J3QLE5	Small nuclear ribonucleoprotein-associated protein N (Fragment) OS=Homo sapiens GN=SNRPN PE=4	59	17535	3	0.4
Q9Y224	UPF0568 protein C14orf166 OS=Homo sapiens GN=C14orf166 PE=1 SV=1	59	28051	2	0.24
B4DUI3	Eukaryotic translation initiation factor 3 subunit J OS=Homo sapiens GN=EIF3J PE=2 SV=1	59	22927	1	0.14
H0YIB4	Serine/arginine-rich-splicing factor 9 (Fragment) OS=Homo sapiens GN=SRSF9 PE=4 SV=1	51	12830	1	0.25
J3KSL8	Trafficking protein particle complex subunit 8 OS=Homo sapiens GN=TRAPPC8 PE=4 SV=1	45	104179	1	0.03
A2A3R5	40S ribosomal protein S6 OS=Homo sapiens GN=RPS6 PE=2 SV=1	35	24953	1	0.13
B7Z6M4	BTB/POZ domain-containing adapter for CUL3-mediated RhoA degradation protein 2 OS=Homo sapiens	34	24693	1	0.13
E7EPB3	60S ribosomal protein L14 OS=Homo sapiens GN=RPL14 PE=2 SV=1	33	14549	1	0.22

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prot_acc	prot_desc	prot_score	prot_mass	prot_matches	emPAI
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B4DEW9	Eukaryotic translation initiation factor 3 subunit F OS=Homo sapiens GN=EIF3F PE=2 SV=1	168	23152	6	1.17
P46781	40S ribosomal protein S9 OS=Homo sapiens GN=RPS9 PE=1 SV=3	138	22578	10	1.53
Q13347	Eukaryotic translation initiation factor 3 subunit I OS=Homo sapiens GN=EIF3I PE=1 SV=1	103	36479	5	0.51
B4DS13	Eukaryotic translation initiation factor 4B OS=Homo sapiens GN=EIF4B PE=2 SV=1	103	64767	7	0.27
B7ZAM9	Eukaryotic translation initiation factor 3 subunit K OS=Homo sapiens GN=EIF3K PE=2 SV=1	96	24468	2	0.28
H3BPE4	Eukaryotic translation initiation factor 3 subunit C (Fragment) OS=Homo sapiens GN=EIF3C PE=2 SV=1	95	17047	2	0.41
Q7L2H7	Eukaryotic translation initiation factor 3 subunit M OS=Homo sapiens GN=EIF3M PE=1 SV=1	91	42476	3	0.24
O75821	Eukaryotic translation initiation factor 3 subunit G OS=Homo sapiens GN=EIF3G PE=1 SV=2	75	35589	2	0.19
P55884	Eukaryotic translation initiation factor 3 subunit B OS=Homo sapiens GN=EIF3B PE=1 SV=3	67	92424	2	0.03
Q5JR95	40S ribosomal protein S8 OS=Homo sapiens GN=RPS8 PE=2 SV=1	66	21866	1	0.15
H0Y9R4	60S ribosomal protein L9 (Fragment) OS=Homo sapiens GN=RPL9 PE=4 SV=1	59	10150	1	0.33
P62701	40S ribosomal protein S4, X isoform OS=Homo sapiens GN=RPS4X PE=1 SV=2	59	29579	2	0.11
H0YCJ7	40S ribosomal protein S3 (Fragment) OS=Homo sapiens GN=RPS3 PE=2 SV=1	56	14994	1	0.22
J3QLR8	28S ribosomal protein S23, mitochondrial OS=Homo sapiens GN=MRPS23 PE=4 SV=1	53	17506	1	0.18
E9PI65	Heat shock cognate 71 kDa protein (Fragment) OS=Homo sapiens GN=HSPA8 PE=2 SV=1	49	17905	1	0.18
J3QLE5	Small nuclear ribonucleoprotein-associated protein N (Fragment) OS=Homo sapiens GN=SNRPN PE=4	47	17535	1	0.18
B1ALC0	Actin-related protein 2/3 complex subunit 5 OS=Homo sapiens GN=ARPC5 PE=2 SV=1	46	14798	1	0.22
P62081	40S ribosomal protein S7 OS=Homo sapiens GN=RPS7 PE=1 SV=1	41	22113	3	0.31
H0YHA7	60S ribosomal protein L18 (Fragment) OS=Homo sapiens GN=RPL18 PE=3 SV=1	36	18962	1	0.17
M0QZN2	40S ribosomal protein S5 OS=Homo sapiens GN=RPS5 PE=4 SV=1	34	14754	1	0.22
H0YBR5	Eukaryotic translation initiation factor 3 subunit E (Fragment) OS=Homo sapiens GN=EIF3E PE=4 SV=1	30	20244	1	0.16

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prot_acc	prot_desc	prot_score	prot_mass	prot_matches	emPAI
H0YCJ7	40S ribosomal protein S3 (Fragment) OS=Homo sapiens GN=RPS3 PE=2 SV=1	161	14994	6	2.24
P55884	Eukaryotic translation initiation factor 3 subunit B OS=Homo sapiens GN=EIF3B PE=1 SV=3	153	92424	7	0.14
H3BRV0	Eukaryotic translation initiation factor 3 subunit C OS=Homo sapiens GN=EIF3C PE=2 SV=1	149	104036	4	0.13
C9JNW5	60S ribosomal protein L24 OS=Homo sapiens GN=RPL24 PE=2 SV=1	138	17532	4	0.66
P46783	40S ribosomal protein S10 OS=Homo sapiens GN=RPS10 PE=1 SV=1	133	18886	2	0.37
M0QZC5	40S ribosomal protein S11 OS=Homo sapiens GN=RPS11 PE=4 SV=1	123	13989	6	1.31
P46781	40S ribosomal protein S9 OS=Homo sapiens GN=RPS9 PE=1 SV=3	115	22578	6	0.7
B0QYA3	Eukaryotic translation initiation factor 3 subunit D (Fragment) OS=Homo sapiens GN=EIF3D PE=2 SV=1	110	19769	2	0.35
E7EX17	Eukaryotic translation initiation factor 4B OS=Homo sapiens GN=EIF4B PE=2 SV=1	110	69657	7	0.19
H0YDT6	Eukaryotic translation initiation factor 3 subunit F (Fragment) OS=Homo sapiens GN=EIF3F PE=2 SV=1	105	10801	1	0.31
Q7L2H7	Eukaryotic translation initiation factor 3 subunit M OS=Homo sapiens GN=EIF3M PE=1 SV=1	103	42476	5	0.43
O75821	Eukaryotic translation initiation factor 3 subunit G OS=Homo sapiens GN=EIF3G PE=1 SV=2	88	35589	5	0.29
K7EMA7	60S ribosomal protein L23a OS=Homo sapiens GN=RPL23A PE=3 SV=1	85	7918	1	0.43
B0QY89	Eukaryotic translation initiation factor 3 subunit L OS=Homo sapiens GN=EIF3L PE=2 SV=1	77	70857	4	0.14
Q5JR95	40S ribosomal protein S8 OS=Homo sapiens GN=RPS8 PE=2 SV=1	76	21866	2	0.31
E9PI65	Heat shock cognate 71 kDa protein (Fragment) OS=Homo sapiens GN=HSPA8 PE=2 SV=1	73	17905	1	0.18
E5RGA2	Eukaryotic translation initiation factor 3 subunit E OS=Homo sapiens GN=EIF3E PE=2 SV=1	72	41331	3	0.25
B3KS98	Eukaryotic translation initiation factor 3 subunit H OS=Homo sapiens GN=EIF3S3 PE=2 SV=1	71	41555	1	0.08
B7ZAM9	Eukaryotic translation initiation factor 3 subunit K OS=Homo sapiens GN=EIF3K PE=2 SV=1	70	24468	1	0.13
P62701	40S ribosomal protein S4, X isoform OS=Homo sapiens GN=RPS4X PE=1 SV=2	67	29579	1	0.11
D6RAF8	Heterogeneous nuclear ribonucleoprotein D0 (Fragment) OS=Homo sapiens GN=HNRNPD PE=2 SV=1	59	23062	1	0.14
A2A3R5	40S ribosomal protein S6 OS=Homo sapiens GN=RPS6 PE=2 SV=1	51	24953	1	0.13
M0QX76	40S ribosomal protein S16 (Fragment) OS=Homo sapiens GN=RPS16 PE=4 SV=1	46	5554	1	0.62
B4E241	Serine/arginine-rich-splicing factor 3 OS=Homo sapiens GN=SFRS3 PE=2 SV=1	39	14194	1	0.23
Q14152	Eukaryotic translation initiation factor 3 subunit A OS=Homo sapiens GN=EIF3A PE=1 SV=1	34	166468	1	0.02
H0Y8L7	40S ribosomal protein S3a (Fragment) OS=Homo sapiens GN=RPS3A PE=2 SV=1	34	22123	1	0.14
B5MCP9	40S ribosomal protein S7 OS=Homo sapiens GN=RPS7 PE=2 SV=1	33	21299	1	0.15

eIF4BIP_B17

prot_acc	prot_desc	prot_score	prot_mass	prot_matches	emPAI
B0QY89	Eukaryotic translation initiation factor 3 subunit L OS=Homo sapiens GN=EIF3L PE=2 SV=1	175	70857	6	0.24
P62269	40S ribosomal protein S18 OS=Homo sapiens GN=RPS18 PE=1 SV=3	161	17708	7	1.72
P62851	40S ribosomal protein S25 OS=Homo sapiens GN=RPS25 PE=1 SV=1	136	13734	4	1.34
H0YCJ7	40S ribosomal protein S3 (Fragment) OS=Homo sapiens GN=RPS3 PE=2 SV=1	131	14994	6	1.66
P46783	40S ribosomal protein S10 OS=Homo sapiens GN=RPS10 PE=1 SV=1	124	18886	2	0.37
M0R210	40S ribosomal protein S16 OS=Homo sapiens GN=RPS16 PE=4 SV=1	111	14410	4	1.25
P62854	40S ribosomal protein S26 OS=Homo sapiens GN=RPS26 PE=1 SV=3	110	13007	2	0.57
P62263	40S ribosomal protein S14 OS=Homo sapiens GN=RPS14 PE=1 SV=3	100	16263	3	0.72
P55884	Eukaryotic translation initiation factor 3 subunit B OS=Homo sapiens GN=EIF3B PE=1 SV=3	99	92424	2	0.07
P62266	40S ribosomal protein S23 OS=Homo sapiens GN=RPS23 PE=1 SV=3	93	15798	1	0.21
Q7L2H7	Eukaryotic translation initiation factor 3 subunit M OS=Homo sapiens GN=EIF3M PE=1 SV=1	90	42476	3	0.24
P62277	40S ribosomal protein S13 OS=Homo sapiens GN=RPS13 PE=1 SV=2	88	17212	3	0.41
P39019	40S ribosomal protein S19 OS=Homo sapiens GN=RPS19 PE=1 SV=2	86	16051	5	1.08
E7ETK0	40S ribosomal protein S24 OS=Homo sapiens GN=RPS24 PE=2 SV=1	85	15187	1	0.21
P46781	40S ribosomal protein S9 OS=Homo sapiens GN=RPS9 PE=1 SV=3	85	22578	4	0.49
A6NH36	40S ribosomal protein S4, X isoform OS=Homo sapiens GN=RPS4X PE=2 SV=1	85	14011	3	0.87
B4DS13	Eukaryotic translation initiation factor 4B OS=Homo sapiens GN=EIF4B PE=2 SV=1	83	64767	4	0.15
B4DJP7	Small nuclear ribonucleoprotein Sm D3 OS=Homo sapiens GN=SNRPD3 PE=2 SV=1	81	13283	2	0.24
O00571	ATP-dependent RNA helicase DDX3X OS=Homo sapiens GN=DDX3X PE=1 SV=3	71	73198	1	0.04
K7EJT5	60S ribosomal protein L22 (Fragment) OS=Homo sapiens GN=RPL22 PE=4 SV=1	70	5080	1	0.68
Q5JR95	40S ribosomal protein S8 OS=Homo sapiens GN=RPS8 PE=2 SV=1	69	21866	1	0.15
B7ZAM9	Eukaryotic translation initiation factor 3 subunit K OS=Homo sapiens GN=EIF3K PE=2 SV=1	67	24468	1	0.13
I3L3P7	40S ribosomal protein S15a OS=Homo sapiens GN=RPS15A PE=2 SV=1	64	11470	3	0.29
P60866	40S ribosomal protein S20 OS=Homo sapiens GN=RPS20 PE=1 SV=1	61	13364	2	0.55
Q13347	Eukaryotic translation initiation factor 3 subunit I OS=Homo sapiens GN=EIF3I PE=1 SV=1	58	36479	1	0.09
K7EL20	Eukaryotic translation initiation factor 3 subunit G (Fragment) OS=Homo sapiens GN=EIF3G PE=3 SV=1	56	29362	2	0.11
M0QZC5	40S ribosomal protein S11 OS=Homo sapiens GN=RPS11 PE=4 SV=1	55	13989	2	0.23
B7Z4C8	60S ribosomal protein L31 OS=Homo sapiens GN=RPL31 PE=2 SV=1	54	15109	1	0.21
H0YAW4	Eukaryotic translation initiation factor 3 subunit E (Fragment) OS=Homo sapiens GN=EIF3E PE=4 SV=1	50	18135	2	0.18
H3BPE4	Eukaryotic translation initiation factor 3 subunit C (Fragment) OS=Homo sapiens GN=EIF3C PE=2 SV=1	49	17047	1	0.19
A2A3R5	40S ribosomal protein S6 OS=Homo sapiens GN=RPS6 PE=2 SV=1	48	24953	1	0.13
H0YK46	40S ribosomal protein S17 (Fragment) OS=Homo sapiens GN=RPS17 PE=2 SV=1	47	21629	2	0.15
P25398	40S ribosomal protein S12 OS=Homo sapiens GN=RPS12 PE=1 SV=3	38	14505	1	0.22
J3QLI9	Small nuclear ribonucleoprotein Sm D1 OS=Homo sapiens GN=SNRPD1 PE=4 SV=1	36	8388	1	0.4
H0YI13	Bromodomain adjacent to zinc finger domain protein 2A (Fragment) OS=Homo sapiens GN=BAZ2A PE=	25	24138	1	0.13