

1 **Supplementary Table 1 Proteins identified by mass spectrometry in**
 2 **experiment 1**

Protein identified ^a	Genbank no.	No. of Peptides
UL54	NP_039988	30
UL44 ^b	NP_039978	15
UL44 ^c	NP_039978	7
IRS1	NP_040085	6
UL44 ^d	NP_039978	4
UL25	NP_039959	4
UL13	P16755	1
UL29	P16764	1
UL69	NP_783796	1
UL83	P06725	1
UL84	NP_040019	1
UL89	P16732	1
Nucleolin ^b	P19338	18
Cytoskeleton-associated protein 4 variant	Q53es6	12
DEAH box protein 9	Q08211	10
ATP-dependent DNA helicase II (70kDa subunit) (Ku70)	NP_001460	8
60s acidic Ribosomal protein p0	P05388	7
60s ribosomal protein l13	P26373	7
40s ribosomal protein s9	P46781	7
Ribosome-binding protein 1	Q9p2e9	7
60s ribosomal protein l7a	P62424	6
60s ribosomal protein l3	P39023	6
60s ribosomal protein l4	P36578	5
60s ribosomal protein l7	P18124	6
DEAH box protein 30	Q7l2e3	6
60s ribosomal protein l6	Q02878	5
Prolyl 4-hydroxylase alpha-1 subunit precursor	P13674	5
40s ribosomal protein s2	P15880	4
40s ribosomal protein s4	P22090	4
60s ribosomal protein l5	P46777	4

60s ribosomal protein l13a	P40429	4
60s acidic ribosomal protein p2	P05387	4
Insulin-like growth factor 2 mRNA-binding protein 2	Q9y6m1	4
Interleukin enhancer-binding factor 3	Q12906	4
40s ribosomal protein s6	P62753	3
40s ribosomal protein s6	P62753	3
40s ribosomal protein s15a	P62244	3
60s ribosomal protein l9	P32969	3
60s ribosomal protein l14	P50914	3
ATP-dependent DNA helicase II (86kDa subunit) (Ku86)	NP_066964	3
ATP/ADP translocase 1	P12235	3
Nucleophosmin	P06748	3
40s ribosomal protein s17	P08708	2
40s ribosomal protein s24	P62847	2
60s ribosomal protein l21	P46778	2
60s ribosomal protein l23	P62829	2
60s ribosomal protein l34	P49207	2
60s ribosomal protein l36	Q9y3u8	2
cDNA flj10877	Q9nv82	2
Glutamate-rich wd repeat-containing protein 1	Q9bq67	2
Protein fam98a	Q8nca5	2
Ribosomal protein l17	Q6nz54	2
Ribosomal protein l19 variant	Q53g49	2
Ribosomal protein s5 variant	Q53g25	2
RPS3 protein	Q6ipx9	2
sad1/unc-84-like protein 2	Q9uh99	2
Serine/Arginine repetitive matrix protein 1	Q8iyb3	2
Splicing factor 3b subunit 1	O75533	2
Tripartite motif-containing protein 25	Q14258	2
YBX1 protein	Q6pki6	2
Actin	Q5t8m8	1
40s ribosomal protein s23	P62266	1
60s ribosomal protein l10	P27635	1
60s ribosomal protein l10-like	Q96l21	1

60s ribosomal protein l26-like 1	Q9unx3	1
60s ribosomal protein l27a	P46776	1
60s ribosomal protein l28	P46779	1
60s ribosomal protein l29	P47914	1
60s ribosomal protein l35	P42766	1
60s ribosomal protein l35a	P18077	1
AP-2 complex subunit beta-1	P63010	1
cDNA flj12430	Q9ha05	1
DEAH box protein 36	Q9h2u1	1
DNA Topoisomerase II alpha subunit	AAI40792	1
DNA Topoisomerase II beta subunit	AAC77432	1
Heterogeneous nuclear ribonucleoprotein a1	P09651	1
Hypothetical protein	Q8wty3	1
Ig kappa chain c	P01834	1
Ig kappa chain	HSU07449	1
Ig light chain	AF228330	1
La-related protein 1	Q6pkg0	1
La-related protein 4	Q71rc2	1
La ribonucleoprotein family, member 1 domain	AAH33856	1
MSH55	DJ201G24	1
Nucleolin ^b	P19338	1
otthump00000016411	Q5t8w0	1
Plasminogen activator inhibitor 1	Q8nc51	1
RNA-binding protein		
Plectin 11	Q6s376	1
PHGDHL1 protein	Q6p4b0	1
Ribosomal protein l11	Q5vvc8	1
Ribosomal protein l11	Q5vvd0	1
Ribosomal protein l14 variant	Q53g20	1
Ribosomal protein L23a	HSU02032	1
Ribosomal protein s7 variant	Q59fs3	1
Ribosomal protein s8	Q5jr95	1
Ribosomal protein s26	Q76n57	1
Rhabdomyosarcoma antigen	Q5ggw2	1
RPLP1 protein	Q6icq4	1
RPL10a protein	Q1jq76	1

Splicing factor 3b, subunit 1,	AAH15530	1
Splicing factor 3b subunit 3	Q15393	1
TUBB protein	Q6fgz8	1

1

2 ^aViral (top group) and cellular (bottom group) proteins identified

3 ^bIdentified in gel fragments containing proteins of molecular weight 105-250 kDa,

4 ^cIdentified in gel fragments containing proteins of molecular weight 50-105 kDa

5 ^dIdentified in gel fragments containing proteins of molecular weight 1-50 kDa.

1 **Supplementary Table 2 Proteins identified by mass spectrometry in**
 2 **experiment 2**

3

Protein identified ^a	Genbank no.	No. of peptides identified	
		Hours post infection	
		72	120
UL54	NP_039988	22	21
UL44 ^c	NP_039978	22	22
IRS1	NP_040085	7	19
UL44 ^d	NP_039978	6	10
UL25	NP_039959	3	1
UL44 ^b	NP_039978	1	4
UL84	NP_040019	1	3
UL83	P06725	ND ^e	3
US22	P09722	2	ND
UL70	NP_783788	ND	2
TRS1	NP_040122	ND	2
UL69	NP_783796	1	1
UL35	P16766	1	ND
UL48	NP_039982	ND	1
UL95	P16801	ND	1
UL97	P16788	ND	1
Nucleolin ^b	P19338	18	19
60s ribosomal protein l4	P36578	9	14
DEAH box protein 9	Q08211	5	10
RNA helicase DDX3X	O00571	9	4
60s ribosomal protein l6	Q02878	6	8
ATP-dependent DNA helicase II (70kDa subunit) (Ku70)	NP_001460	3	8
40s ribosomal protein s9	P46781	7	6
60s ribosomal protein l3	P39023	5	7
60s ribosomal protein l7a	P62424	4	7
60s acidic ribosomal protein p0	P05388	6	6
40s ribosomal protein s15a	P62244	5	5
DEAH box protein 30	Q712e3	6	5
60s ribosomal protein l7	P18124	5	6
Heterogeneous nuclear	O60506	5	6

ribonucleoprotein q				
40s ribosomal protein s2	P15880	4	6	
ATP-dependent DNA helicase II (86kDa subunit) (Ku86)	NP_066964	3	6	
Cytoplasmic activation/ proliferation-associated protein 1	Q6imn7	3	1	
60s ribosomal protein I13a	P40429	2	6	
Ribosomal protein I17	Q6nz54	4	3	
RNA helicase DDX1	Q92499	4	2	
60s ribosomal protein I13	P26373	4	1	
Prolyl 4-hydroxylase alpha-1 subunit precursor	P13674	4	1	
60s ribosomal protein I18	Q07020	3	3	
Nucleolin ^b	P19338	3	3	
Ribosomal protein I8	Q567q7	3	3	
Ribosomal protein s8	Q9bs10	3	3	
60s ribosomal protein I26-like 1	Q9unx3	2	3	
Staufen	O95793	2	3	
40s ribosomal protein s4	P22090	2	2	
40s ribosomal protein s24	P62847	2	2	
Ribosomal protein I12	Q59fi9	2	2	
RNA helicase DDX17	Q92841	2	1	
60s ribosomal protein I10	P27635	2	1	
Ribosomal protein s3	Q9nqs8	2	1	
DNA Topoisomerase II alpha subunit	AAI40792	1	5	
60s ribosomal protein I35	P42766	1	3	
40s ribosomal protein s6	P62753	1	3	
60s ribosomal protein I14	P50914	1	2	
60s ribosomal protein I27a	P46776	1	2	
RPI31 protein	Q6irz0	1	3	
Coatomer subunit alpha	P53621	1	2	
Ribosomal protein I11	Q5vvc8	1	2	
ATP-dependent RNA helicase DHX15	O43143	1	1	
Heterogeneous nuclear ribonucleoprotein f	P52597	1	1	
Hypothetical protein	Q6ipx2	1	1	
Ig kappa chain otthump00000016411	HSU07449	1	1	
	Q5jvh5	1	1	

60s ribosomal protein l10-like	Q96l21	1	1
Ribosomal protein s4	Q53hv1	1	1
Ribosomal protein s8	Q5jr95	1	1
Ribosomal protein s18	Q4vxz3	1	1
Ribosomal protein s26	Q76n57	1	1
Rhabdomyosarcoma antigen	Q5ggw2	1	1
RPL10a protein	Q1jq76	1	1
SRP68	Q9uhb9	1	1
Tubulin, beta polypeptide	Q5jp53	1	1
IgG1 light chain	S83373	5	ND
Tubulin beta-1 chain	Q9h4b7	5	ND
DNA-binding protein A	P16989	4	ND
Plasminogen activator inhibitor 1	Q8nc51	4	ND
RNA-binding protein			
Tubulin beta-6 chain	Q9buf5	4	ND
Hypothetical protein	Q8wty3	3	ND
Vimentin	NP_003371	3	ND
60s ribosomal protein l36	Q9y3u8	2	ND
ATP/ADP translocase 1	P12235	2	ND
RPS16 protein	Q6ipx4	2	ND
60s ribosomal protein l21	P46778	1	ND
60s ribosomal protein l23	P62829	1	ND
Ifapsoriasin	Q5d862	1	ND
Ig kappa light chain	AB064057	1	ND
Glutamate-rich wd repeat-containing protein 1	Q9bq67	1	ND
Hypothetical protein RPRC1	Q3kqu3	1	ND
Interferon-inducible dependent protein kinase	RNA- P19525	1	ND
JUP protein	Q9bwc4	1	ND
Ribosomal protein s7 variant	Q59fs3	1	ND
Ribosomal protein s10	Q5tzb9	1	ND
RPLP1 protein	Q6icq4	1	ND
Tubulin beta-4q chain	Q99867	1	ND
Cytoskeleton-associated protein 4 variant	Q53es6	ND	11
Nucleophosmin	P06748	ND	4
Ubiquitin-associated protein 2-like	Q14157	ND	4
CDMC5L		ND	3

Heterogeneous ribonucleoprotein h	nuclear	P31943	ND	3
Ribosomal protein S14		AY891365	ND	3
5'-3' exoribonuclease 2		Q9h0d6	ND	2
40s ribosomal protein s17		P08708	ND	2
60s acidic Ribosomal protein p2		P05387	ND	2
Beta Ig-h3		Q15582	ND	2
Heterogeneous ribonucleoprotein m	nuclear	P52272	ND	2
Ribosomal protein I19 variant		Q53g49	ND	2
Ribosomal protein s5 variant		Q53g25		2
ribosome-binding protein 1		Q9p2e9	ND	2
Splicing factor 3b subunit 1		O75533	ND	2
TUBB protein		Q6fgz8	ND	2
YBX1 protein		Q6pki6	ND	2
60s ribosomal protein I28		P46779	ND	1
60s ribosomal protein I29		P47914	ND	1
60s ribosomal protein I34		P49207	ND	1
60s ribosomal protein I35a		P18077	ND	1
Chromosome 20 open reading frame 119		Q4vxu2	ND	1
DNA Topoisomerase II beta subunit		AAC77432	ND	1
Eukaryotic translation initiation factor 2 subunit 3		P41091	ND	1
Filamin-C		Q14315	ND	1
GRP 78		P11021	ND	1
Heterogeneous ribonucleoprotein a0	nuclear	Q13151	ND	1
Heterogeneous ribonucleoprotein a1	nuclear	P09651	ND	1
Heterogeneous ribonucleoprotein u-like protein 1	nuclear	Q9buj2	ND	1
H peroxisomal multifunctional enzyme type 2		P51659	ND	1
Hypothetical protein tsr1		Q2nl82	ND	1
Insulin-like growth factor 2 mRNA- binding protein 2		Q9y6m1	ND	1
Large proline-rich protein bat2		P48634	ND	1
Ig light chain variable region		AY490886	ND	1

loc649946 protein	Q6pau7	ND	1
Melanoma-associated antigen d2	Q9unf1	ND	1
Methionyl-tRNA synthetase	P56192	ND	1
Microtubule-associated protein 1b	P46821	ND	1
Plectin 11	Q6s376	ND	1
Protein fam98b	Q52lj0	ND	1
Replication factor c subunit 1	P35251	ND	1
Reticulocalbin-2 precursor	Q14257	ND	1
Ribosomal protein l14 variant	Q6iph7	ND	1
Ribosomal protein l18a variant	Q53hd3	ND	1
Ribosomal protein l31	Q76n53	ND	1
Ribosomal protein S9	HSU14971	ND	1
Ribosomal protein S20	AY892286	ND	1
RIG homolog	Q9udc2	ND	1
rhoVrac guanine nucleotide exchange factor	Q9h023	ND	1
RPLP1 protein	Q6icq4	ND	1
Serine/Arginine repetitive matrix protein 1	Q8iyb3	ND	1
Splicing factor 3b subunit 3	Q15393	ND	1
SRP72	O76094	ND	1
serine/threonine-protein kinase srp1	Q96sb4	ND	1
Translation initiation factor eif-2b subunit delta	Q9ui10	ND	1
Tripartite motif-containing protein 28	Q13263	ND	1
Zinc finger ccch domain-containing protein 2	Q7z2w4	ND	1
YTH domain protein 2	Q9y5a9	ND	1

1 ^aViral (top group) and cellular (bottom group) proteins identified

2 ^bIdentified in gel fragments containing proteins of molecular weight 75-250 kDa

3 ^cIdentified in gel fragments containing proteins of molecular weight 35-75 kDa

4 ^dIdentified in gel fragments containing proteins of molecular weight 1-35 kDa.

5 ^eND – not detected.

6

1 **Supplementary Table 3 Proteins identified by mass spectrometry in**
 2 **experiment 3**

3

Protein identified ^a	Genbank no.	No. of peptides identified	
		GCV	
		-	+
UL54	NP_039988	25	42
UL44 ^d	NP_039978	17	15
IRS1	NP_040085	12	ND ^e
UL44 ^b	NP_039978	10	ND
UL25	NP_039959	8	ND
UL84	NP_040019	7	ND
UL83	P06725	2	ND
UL89	P16732	2	ND
UL69	NP_783796	1	ND
UL95	P16801	1	ND
Nucleolin ^c	P19338	20	6
DEAH box protein 36	Q9h2u1	4	1
60s ribosomal protein I18	Q07020	2	1
Beta Ig-h3	Q15582	1	3
SAD1/UNC-84-like protein 2	Q9uh99	1	3
40s ribosomal protein s9	P46781	10	ND
ATP-dependent DNA helicase II (70kDa subunit) (Ku70)	NP_001460	8	ND
60s ribosomal protein I7	P18124	8	ND
ATP-dependent DNA helicase II (86kDa subunit) (Ku86)	NP_066964	7	ND
BTK-associated protein 135	P78347	7	ND
DEAH box protein 9	Q08211	7	ND
60s ribosomal protein I3	P39023	7	ND
60s ribosomal protein I7a	P62424	7	ND
60s acidic Ribosomal protein p0	P05388	7	ND
60s ribosomal protein I13	P26373	6	ND
Interleukin enhancer-binding factor 3	Q12906	6	ND
otthump00000016411	Q5t8w0	6	ND

Ribosomal protein S14	AY891365	6	ND
40s ribosomal protein s2	P15880	5	ND
40s ribosomal protein s4	P22090	5	ND
60s ribosomal protein l4	P36578	5	ND
DNA Topoisomerase II alpha subunit	AAI40792	5	ND
IgG1 light chain	S83373	5	ND
Ribosomal protein s19	Q8wvx7	5	ND
Ribosome-binding protein 1	Q9p2e9	5	ND
RPS11 protein	Q498y6	5	ND
40s ribosomal protein s6	P62753	4	ND
40s ribosomal protein s15a	P62244	4	ND
60s ribosomal protein l6	Q02878	4	ND
Ribosomal protein l8	Q567q7	4	ND
Ribosomal protein s4	Q53hv1	4	ND
Ribosomal protein s8	Q9bs10	4	ND
40s ribosomal protein s17	P08708	3	ND
60s ribosomal protein l9	P32969	3	ND
60s ribosomal protein l10	P27635	3	ND
60s ribosomal protein l13a	P40429	3	ND
60s ribosomal protein l23	P62829	3	ND
RNA helicase DDX5	P17844	3	ND
DEAH box protein 30	Q7l2e3	3	ND
Nucleophosmin	P06748	3	ND
Plectin 11	Q6s376	3	ND
RNA helicase DDX1	Q92499	3	ND
RNA helicase DDX17	Q92841	3	ND
RPS3 protein	Q6ipx9	3	ND
RPS16 protein	Q6ipx4	3	ND
Staufen	O95793	3	ND
40s ribosomal protein s24	P62847	2	ND
60s ribosomal protein l5	P46777	2	ND
60s ribosomal protein l14	P50914	2	ND
60s ribosomal protein l21	P46778	2	ND
60s ribosomal protein l27a	P46776	2	ND
60s ribosomal protein l36	Q9y3u8	2	ND
60s acidic Ribosomal protein p2	P05387	2	ND
60s ribosomal protein l10-like	Q96l21	2	ND
60s ribosomal protein l26-like 1	Q9unx3	2	ND
Ribosomal protein l19 variant	Q53g49	2	ND

Ribosomal protein s3	Q9nqs8	2	ND
Ribosomal protein L23a	HSU02032	2	ND
Rhabdomyosarcoma antigen	Q5ggw2	2	ND
RPL10a protein	Q1jq76	2	ND
RPL31 protein	Q6irz0	2	ND
Tripartite motif-containing protein 25	Q14258	2	ND
YBX1 protein	Q6pki6	2	ND
60s ribosomal protein l28	P46779	1	ND
60s ribosomal protein l29	P47914	1	ND
60s ribosomal protein l34	P49207	1	ND
AP-2 complex subunit alpha-1	O95782	1	ND
ATP/ADP translocase 1	P12235	1	ND
ATP-dependent RNA helicase DHX15	O43143	1	ND
DNA-binding protein A	P16989	1	ND
DNA Topoisomerase II beta subunit	AAC77432	1	ND
Heat shock 70 kDa protein 6	P17066	1	ND
Heterogeneous nuclear ribonucleoprotein a1	P09651	1	ND
Heterogeneous nuclear ribonucleoprotein k	P61978	1	ND
Hypothetical protein	Q8wty3	1	ND
Ig gamma-2 chain c	P01859	1	ND
kiaa0217 protein	Q92615	1	ND
loc649946 protein	Q6pau7	1	ND
PEPP-1	Q8nhv9	1	ND
Ribosomal protein l11	Q5vvc8	1	ND
Ribosomal protein l11	Q5vvd0	1	ND
Ribosomal protein l12	Q59fi9	1	ND
Ribosomal protein s7 variant	Q59fs3	1	ND
Ribosomal protein s8	Q5jr95	1	ND
Ribosomal protein s10	Q5tzb9	1	ND
Ribosomal protein s18	Q4vxz3	1	ND
Ribosomal protein s26	Q5jnz5	1	ND
Ribosomal protein s26	Q76n57	1	ND
Vimentin	NP_003371	ND	16
Protein fam61a	Q8nd56	ND	3
Collagen alpha-3	P12111	ND	2

GPI-anchored protein p137	Q14444	ND	2
Thyroid hormone receptor-associated protein 3	Q9y2w1	ND	2
6-phosphofructokinase	P17858	ND	1
Eukaryotic translation initiation factor 3 subunit 7	O15371	ND	1
Eukaryotic translation initiation factor 3 subunit 10	Q14152	ND	1
Ig light chain variable region	HSA308460	ND	1
Ig kappa chain	HSU07449	ND	1
La-related protein 4	Q71rc2	ND	1
Prolyl 4-hydroxylase alpha-1 subunit precursor	P13674	ND	1
Protein c9orf10	Q9nzb2	ND	1
Mannosyl-oligosaccharide glucosidase	Q13724	ND	1
RNA helicase DDX3X	O00571	ND	1

1

2

3 ^aViral (top group) and cellular (bottom group) proteins identified

4 ^bIdentified in gel fragments containing proteins of molecular weight 105-250 kDa,

5 ^cIdentified in gel fragments containing proteins of molecular weight 50-105 kDa

6 ^dIdentified in gel fragments containing proteins of molecular weight 1-50 kDa.

7 ^e ND – Not detected.

8

9

10

11

12

13

1 **Supplementary Table 4 Proteins identified by mass spectrometry in**
 2 **experiment 4**

3

Protein identified ^a	Genbank no.	No. of peptides
UL54	NP_039988	13
UL44 ^b	NP_039978	10
IRS1	NP_040085	2
UL48	NP_039982	1
Nucleolin ^c	P19338	7
Coatomer subunit alpha	P53621	5
Ig alpha-1 chain c region	P01876	5
Cytoskeleton-associated protein 4 variant	Q53es6	4
Heat shock cognate 71 kDa protein	P11142	4
DEAH box protein 9	Q08211	2
Polyadenylate-binding protein 3	Q9h361	3
RNA helicase DDX17	Q92841	3
60s ribosomal protein l4	P36578	2
Heat shock protein HSP 90-alpha	P07900	2
Heat shock 70 kDa protein 1l	P34931	2
Heterogeneous nuclear ribonucleoprotein q	O60506	2
Heterogeneous nuclear ribonucleoprotein u	Q00839	2
Ribosomal protein s8	Q9bs10	2
RNA helicase DDX5	P17844	2
60s ribosomal protein l7a	P62424	1
60s ribosomal protein l18	Q07020	1
Actin	Q5t8m8	1
Annexin a2	P07355	1
Dynein heavy chain	Q14204	1
Glyceraldehyde-3-phosphate dehydrogenase	P04406	1
Heat shock 70 kda protein 1	P08107	1
Heterogeneous nuclear	P52272	1

ribonucleoprotein m

Ig gamma-1 chain c	P01857	1
Translation initiation factor 3 subunit	Q9y262	1

1

2 ^aViral (top group) and cellular (bottom group) proteins identified

3 ^bIdentified in gel fragments containing proteins of molecular weight 105-250 kDa,

4 ^cIdentified in gel fragments containing proteins of molecular weight 50-105 kDa

5 ^dIdentified in gel fragments containing proteins of molecular weight 1-50 kDa.

6

7

8

9

10

11

12