TABLE S1 IAV-NS1/NS2-interacting proteins identified by SILAC-based MS-/ MaxQuant.

Protein ID	Protein	Gene	No. unique peptides	Ratio M/L (normalized)	Sequence coverage [%]
P42336	Phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit alpha isoform	PIK3CA	4	6.73	3.40
E9PFP1	Phosphatidylinositol 3-kinase regulatory subunit beta	PIK3R2	23	5.90	40.70
O14654	Insulin receptor substrate 4	IRS4	23	5.31	23.40
P0CG48	Ubiquitin	UBC	4	4.67	55.20
O00487	26S proteasome non-ATPase regulatory subunit 14	PSMD14	3	4.47	11.60
C9IZE4	26S proteasome non-ATPase regulatory subunit 6	PSMD6	4	4.34	10.90
F5GX82	Protein furry homolog-like	FRYL	15	4.28	5.40
Q9BZJ0	Crooked neck-like protein 1	CRNKL1	8	4.18	11.00
P51665	26S proteasome non-ATPase regulatory subunit 7	PSMD7	3	3.97	9.90
P52298	Nuclear cap-binding protein subunit 2	NCBP2	3	3.85	19.20
Q9UNM6	26S proteasome non-ATPase regulatory subunit 13	PSMD13	7	3.83	19.10
O14818	Proteasome subunit alpha type-7	PSMA7	6	3.67	26.60
O00469-2	Procollagen-lysine,2-oxoglutarate 5-dioxygenase 2	PLOD2	8	3.49	12.30
Q13200	26S proteasome non-ATPase regulatory subunit 2	PSMD2	13	3.49	16.70
E7ENU4	Double-stranded RNA-specific adenosine deaminase	ADAR	34	3.08	30.60
Q9NNW5	WD repeat-containing protein 6	WDR6	5	3.04	5.10
Q99460	26S proteasome non-ATPase regulatory subunit 1	PSMD1	8	3.02	13.00
O75569	Interferon-inducible double stranded RNA-dependent protein kinase activator A	PRKRA (PACT)	4	2.98	14.10
P38919	Eukaryotic initiation factor 4A-III, DDX48	EIF4A3	15	2.88	36.00
Q8TCS8	Polyribonucleotide nucleotidyltransferase 1, mitochondrial	PNPT1	4	2.88	6.30
P27986-4	Phosphatidylinositol 3-kinase regulatory subunit alpha	PIK3R1	4	2.87	7.00
B4DQJ1	U5 small nuclear ribonucleoprotein 40 kDa protein	SNRNP40	3	2.73	5.60
Q9UKM9	RNA-binding protein Raly	RALY	11	2.70	47.40
Q96A72	Protein mago nashi homolog 2;Protein mago nashi homolog	MAGOHB	5	2.68	31.80
Q13573	SNW domain-containing protein 1	SNW1	8	2.64	19.60
P25788	Proteasome subunit alpha type-3	PSMA3	3	2.63	12.20
O00231	26S proteasome non-ATPase regulatory subunit 11	PSMD11	8	2.60	21.30
Q9BWF3	RNA-binding protein 4;RNA-binding protein 4B	RBM4;RBM4B	3	2.59	14.60
Q9Y265	RuvB-like 1	RUVBL1	11	2.57	31.10
Q9HCE1	Putative helicase MOV-10	MOV10	18	2.54	18.90
Q9Y3C6	Peptidyl-prolyl cis-trans isomerase-like 1	PPIL1	4	2.54	31.30
O00232	26S proteasome non-ATPase regulatory subunit 12	PSMD12	5	2.52	9.40
O75746	Calcium-binding mitochondrial carrier protein Aralar1	SLC25A12	4	2.50	12.40
O43242	26S proteasome non-ATPase regulatory subunit 3	PSMD3	4	2.47	9.00

Q9Y230	RuvB-like 2	RUVBL2	13	2.47	28.50
O43592	Exportin-T	XPOT	7	2.43	7.70
P07910-2	Heterogeneous nuclear ribonucleoproteins C1/C2	HNRNPC	14	2.39	66.60
Q8IX01	SURP and G-patch domain-containing protein 2	SUGP2	16	2.39	15.80
P04792	Heat shock protein beta-1	HSPB1	3	2.35	18.00
O60306	Intron-binding protein aquarius	AQR	7	2.32	4.80
Q15029	116 kDa U5 small nuclear ribonucleoprotein component	EFTUD2	11	2.31	12.70
Q4VC03	Polyadenylate-binding protein 4	PABPC4	7	2.30	26.70
Q15459	Splicing factor 3A subunit 1	SF3A1	8	2.29	10.70
O95831	Apoptosis-inducing factor 1, mitochondrial	AIFM1	9	2.29	14.50
Q92900	Regulator of nonsense transcripts 1	UPF1	14	2.25	11.80
A5YKK6	CCR4-NOT transcription complex subunit 1	CNOT1	3	2.24	1.20
P82650	28S ribosomal protein S22, mitochondrial	MRPS22	5	2.22	15.60
Q9NVI1	Fanconi anemia group I protein	FANCI	5	2.16	5.00
Q13595	Transformer-2 protein homolog alpha	TRA2A	3	2.11	11.30
P35998	26S protease regulatory subunit 7	PSMC2	3	2.10	7.90
Q4VCS5	Angiomotin	AMOT	4	2.09	3.10
Q92616	Translational activator GCN1	GCN1L1	13	2.08	5.00
Q00610	Clathrin heavy chain 1	CLTC	8	2.07	5.00
B1AM49	ELAV-like protein 2	ELAVL2	3	2.06	19.60
O14980	Exportin-1	XPO1	7	2.05	7.30
Q6P2Q9	Pre-mRNA-processing-splicing factor 8	PRPF8	11	2.01	4.50
Q12874	Splicing factor 3A subunit 3	SF3A3	5	2.00	10.00
Q546F9	Calcium-binding mitochondrial carrier protein Aralar2	SLC25A13	14	2.00	28.70
P55081	Microfibrillar-associated protein 1	MFAP1	4	2.00	11.60
B4DRT24	28S ribosomal protein S27, mitochondrial	MRPS27	6	1.97	16.60
E9PF26	Double-stranded RNA-binding protein Staufen homolog 2	STAU2	9	1.97	20.90
P52272	Heterogeneous nuclear ribonucleoprotein M	HNRNPM	29	1.95	49.90
P53985	Monocarboxylate transporter 1	SLC16A1	3	1.95	7.80
Q13435	Splicing factor 3B subunit 2	SF3B2	16	1.94	21.30
Q5VWC4	26S proteasome non-ATPase regulatory subunit 4	PSMD4	3	1.90	9.70
P11940	Polyadenylate-binding protein 1	PABPC1	7	1.90	39.80
O75643	U5 small nuclear ribonucleoprotein 200 kDa helicase	SNRNP200	19	1.87	9.60
P51398	28S ribosomal protein S29, mitochondrial	DAP3	3	1.87	10.10
Q15393	Splicing factor 3B subunit 3	SF3B3	18	1.86	15.60
Q09161	Nuclear cap-binding protein subunit 1	NCBP1	14	1.85	21.50
P05141	ADP/ATP translocase 2	SLC25A5	4	1.84	27.20
A8MXP9	Matrin-3	MATR3	30	1.82	37.30

P53618	Coatomer subunit beta	COPB1	4	1.80	5.60
P62995	Transformer-2 protein homolog beta	TRA2B	4	1.80	14.90
Q8WUM0	Nuclear pore complex protein Nup133	NUP133	5	1.80	4.70
B2R4R0	Histone H4	HIST1H4A	6	1.78	57.30
Q9ULX6	A-kinase anchor protein 8-like	AKAP8L	5	1.76	11.50
Q99459	Cell division cycle 5-like protein	CDC5L	8	1.76	11.80
P30041	Peroxiredoxin-6	PRDX6	4	1.76	18.80
Q00325	Phosphate carrier protein, mitochondrial	SLC25A3	5	1.74	14.10
Q8IZH2	5-3 exoribonuclease 1	XRN1	5	1.71	3.10
P12956	X-ray repair cross-complementing protein 6	XRCC6	13	1.70	24.60
Q7L2E3-2	Putative ATP-dependent RNA helicase DHX30	DHX30	43	1.69	38.50
Q53F19	Uncharacterized protein C17orf85	C17orf85	4	1.65	8.40
Q86X55	Histone-arginine methyltransferase CARM1	CARM1	3	1.64	4.30
Q9Y241-2	HIG1 domain family member 1A	HIGD1A	3	1.63	44.90
P78527	DNA-dependent protein kinase catalytic subunit	PRKDC	43	1.63	11.10
Q96PU8	Protein quaking	QKI	4	1.62	12.00
O75616	GTPase Era, mitochondrial	ERAL1	4	1.60	9.60
Q9BUJ2	Heterogeneous nuclear ribonucleoprotein U-like protein 1	HNRNPUL1	17	1.59	24.50
Q9NR30	Nucleolar RNA helicase 2	DDX21	30	1.59	42.30
A8MW61	Pleiotropic regulator 1	PLRG1	3	1.59	9.30
Q5BKZ1	DBIRD complex subunit ZNF326	ZNF326	14	1.58	25.80
F5H3A1	Sodium/potassium-transporting ATPase subunit alpha-1	ATP1A1	8	1.57	17.00
B4DR61	Protein transport protein Sec61 subunit alpha isoform 1	SEC61A1	3	1.57	6.00
Q15428	Splicing factor 3A subunit 2	SF3A2	3	1.56	7.80
O75533	Splicing factor 3B subunit 1	SF3B1	23	1.56	20.20
Q13148-2	TAR DNA-binding protein 43	TARDBP	4	1.56	12.00
P52597	Heterogeneous nuclear ribonucleoprotein F	HNRNPF	9	1.55	36.60
P07814	Bifunctional glutamate/proline--tRNA ligase	EPRS	8	1.55	6.30
P08195-4	4F2 cell-surface antigen heavy chain	SLC3A2	4	1.52	6.20

M = medium (proteins derived from PR8-NS-FS infected cells)

L = light (proteins derived from PR8-wt infected cells)

All proteins that were identified in SILAC experiment with three or more peptides and an M/L ratio of >1.5 are shown.