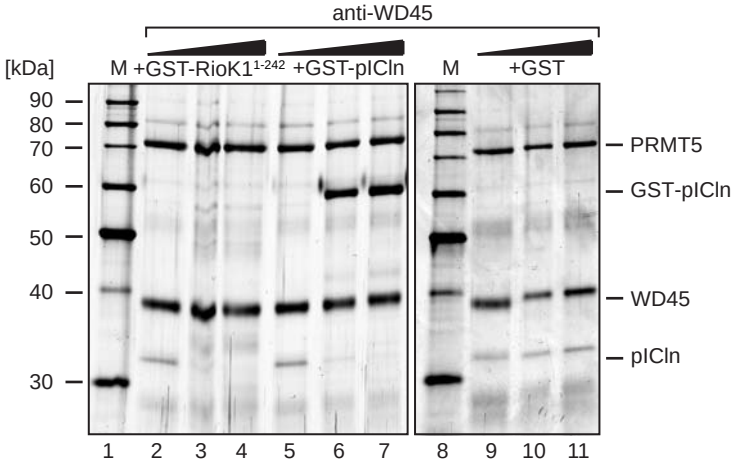
SUPPLEMENTAL FIGURE LEGEND

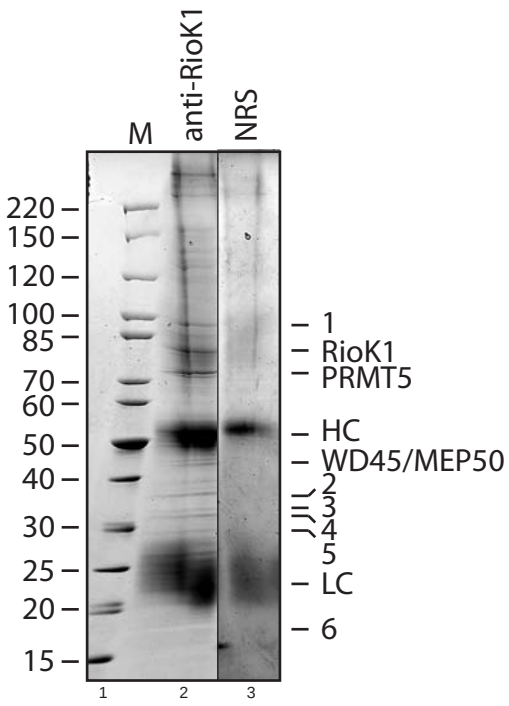
SUPPLEMENTAL FIGURE S1. **Competition assay of the PRMT5 complex with GST-RioK1, GST-pICln and GST.** The PRMT5 complex was immunoprecipitated with anti-WD45/MEP50 antibodies from HeLa cell extract. The purified complex was incubated with increasing amounts (0.1 to 10 mg) of GST-tagged RioK1 (AA1-242, lanes 2-4), pICln (lanes 5-7) or GST (lanes 9-11). The complex composition was afterwards analyzed by silver staining.

SUPPLEMENTAL FIGURE S2. **Identification of RioK1-interacting proteins.** Immunoprecipitation from HeLa extract with anti-RioK1 antibody (lane 2) or NRS (lane 3). The immunoprecipitates were washed extensively, resolved by SDS-PAGE, Coomassie stained and the marked bands were analyzed by mass spectrometry.

Supplemental Figure S1



Supplemental Figure S2



SUPPLEMENTAL TABLE LEGEND

SUPPLEMANTAL TABLE S1. **List of putative RioK1-interacting proteins**. Proteins identified in Fig. S1 and from a pull-down in HeLa extract with GST-tagged truncated RioK1 (AA 450-568), covalently crosslinked to GSH-sepharose are listed alphabetically. Putative methylated RG-motives are in bold letters. Information about DNA-and RNA-binding capacity of proteins was derived from UniProtKB/Swiss-Prot database. Corresponding UniProtKB/Swiss protein accounts are listed in the last column.

protein	short	sequence-ID	DNA-binding	RNA-binding	putative RG-motive
116 kDa U5 small nuclear ribonucleoprotein component	U5S1	Q15029	-	-	FTEQE**RG**VGIKS, TITEP**RG**NEEAQ, QEPLH**RG**GGQII, VLARR**RG**HVTQD
26S protease regulatory subunit 4	PRS4	P62191	-	-	KVDDL**RG**TPMSV, DGFDS**RG**DVKVI
26S proteasome non-ATPase regulatory subunit 3	PSMD3	O43242	-	-	GSARR**RG**ADKAK
28S ribosomal protein S7, mitochondrial precursor	RT07	Q9Y2R9	-	+	AVKVA**RG**WSGLA
28S ribosomal protein S9, mitochondrial precursor	RT09	P82933	-	-	LLLWG**RG**SLARK
3' histone mRNA exonuclease 1	THEX1	Q8IV48	-	+	FKLET**RG**VKDVL
39S ribosomal protein 54, mitochondrial precursor	RM54	Q6P161	-	-	-
39S ribosomal protein L1, mitochondrial precursor	RM01	Q9BYD6	-	+	-
39S ribosomal protein L11, mitochondrial precursor	RM11	Q9Y3B7	-	-	LGRAA**RG**LRKPE, PVLGQ**RG**VSINQ
39S ribosomal protein L19, mitochondrial precursor	RM19	P49406	-	-	EFIPR**RG**RTDPL, IQRSG**RG**LGATF
39S ribosomal protein L22, mitochondrial precursor	RM22	Q9NWU5	-	-	HNLRS**RG**KLALG, LAKLI**RG**MSIDQ, ESTSG**RG**QCLKR, IRYHG**RG**RFGIM
39S ribosomal protein L38, mitochondrial precursor	RM38	Q96DV4	-	-	ECRRW**RG**FSTSA, PPFPA**RG**SGIHR
3-ketoacyl-CoA thiolase, mitochondrial	THIM	P42765	-	-	MALL**RG**VFVVA, HELRR**RG**GKYAV
40S ribosomal protein S10	RS10	P46783	-	-	QSLKS**RG**YVKEQ, PARLT**RG**EADRD, TEFQF**RG**GFG**RGRG**QPP
40S ribosomal protein S11	RS11	P62280	-	+	GNVSI**RG**RILSG
40S ribosomal protein S13	RS13	P62277	-	+	-
40S ribosomal protein S14	RS14	P62263	-	+	RKGGR**RG**RR
40S ribosomal protein S15	RS15	P62841	+	-	RKFTY**RG**VDLDQ, RRRLN**RG**LRRKQ
40S ribosomal protein S15a	RS15A	P62244	-	+	NNAEK**RG**KRQVL
40S ribosomal protein S16	RS16	P62249	-	+	VAHCK**RG**NGLIK
40S ribosomal protein S17	RS17	P08708	-	-	MKRIQ**RG**PV**RG**ISIKL, NFKTP**RG**P
40S ribosomal protein S18	RS18	P62269	-	+	KIRAH**RG**LRHFW, WGLRV**RG**QHTKT, KTTGR**RG**RTVGV
40S ribosomal protein S19	RS19	P39019	-	+	RHLYL**RG**GAGVG, PSHFS**RG**SKSVA
40S ribosomal protein S2	RS2	P15880	-	+	PGMGN**RG**GF**RG**GFGSG, FGSGI**RGRGRGRGRGRGRG**A**RG**GKAED, VATAI**RG**AIILA, IVPVR**RG**YWGNK, LIPAP**RG**TGIVS, CYTSA**RG**CTATL
40S ribosomal protein S20	RS20	P60866	-	+	CADLI**RG**AKEKN
40S ribosomal protein S23	RS23	P62266	-	-	MGKC**RG**LRTAR
40S ribosomal protein S25	RS25	P62851	-	+	ERLKI**RG**SLARA
40S ribosomal protein S27a	RS27A	P62979	-	-	-
40S ribosomal protein S3	RS3	P23396	+	+	EKVAT**RG**LCAIA, VSGKL**RG**QRAKS
40S ribosomal protein S3a	RS3A	P61247	-	+	-
40S ribosomal protein S4, X isoform	RS4X	P62701	-	+	MA**RG**PKKHL, WISLP**RG**KGIRL
40S ribosomal protein S5	RS5	P46782	-	+	-
40S ribosomal protein S6	RS6	P62753	-	-	KRKSV**RG**CIVDA
40S ribosomal protein S7	RS7	P62081	-	+	-
40S ribosomal protein S8	RS8	P62241	-	-	HTVRV**RG**GNKKY
40S ribosomal protein S9	RS9	P46781	-	+	-
40S ribosomal protein SA	RSSA	P08865	-	-	EVLRM**RG**TISRE
5'-3' exoribonuclease 1	XRN1	Q8IZH2	+	+	KMNQQ**RG**RRFRS, FQQSS**RG**ENMML, SIFIG**RG**SRRNP, VPVGL**RG**TIIGI, RCSPG**RG**YRLPT
60 kDa heat shock protein, mitochondrial precursor	CH60	P10809	-	-	PVEIR**RG**VMLAV; GMKFD**RG**YISPY
60S acidic ribosomal protein P0	RLAO	P05388	-	+	IRMSL**RG**KAVVL, MRKAI**RG**HLENN, LLPHI**RG**NVGFV, TTKIS**RG**TIEIL
60S acidic ribosomal protein P2	RLA2	P05387	-	+	-
60S ribosomal protein L10	RL10	P27635	-	-	KSRFC**RG**VPDAK, LQTGM**RG**AFGKP, KYIPN**RG**PLDKW
60S ribosomal protein L10a	RL10A	P62906	-	+	-
60S ribosomal protein L10-like	RL10L	Q96L21	-	-	KSRFC**RG**VPDAK, LQTGM**RG**AFGKP
60S ribosomal protein L11	RL11	P62913	-	+	VHCTV**RG**AKAEE
60S ribosomal protein L12	RL12	P30050	-	+	-
60S ribosomal protein L13	RL13	P26373	-	+	KVRAG**RG**FSLEE
60S ribosomal protein L13a	RL13A	P40429	-	-	LVLDG**RG**HLLGR, NTNPS**RG**PYHFR, FWRTV**RG**MLPHK, PHKTK**RG**QAALD
60S ribosomal protein L14	RL14	P50914	-	+	-
60S ribosomal protein L17	RL17	P18621	-	-	KSCKS**RG**SNLRV
60S ribosomal protein L18	RL18	Q07020	-	+	KFERA**RG**RRAS**RG**YK
60S ribosomal protein L18a	RL18A	Q02543	-	+	-
60S ribosomal protein L19	RL19	P84098	-	+	-
60S ribosomal protein L21	RL21	P46778	-	+	TKGKR**RG**TRYMF
60S ribosomal protein L22	RL22	P35268	-	+	-
60S ribosomal protein L23	RL23	P62829	-	-	MSK**RGRG**GSSGA
60S ribosomal protein L23a	RL23A	P62750	-	+	-
60S ribosomal protein L24	RL24	P83731	-	+	-

60S ribosomal protein L24	RS24	P83731	-	+	-
60S ribosomal protein L26	RL26	P61254	-	+	EVQVV**RG**HYKGQ
60S ribosomal protein L26-like 1	RL26L	Q9UNX3	-	-	EVQVV**RG**HYKGQ
60S ribosomal protein L27a	RL27A	P46776	-	+	KTRKL**RG**HVSHG, KHPG**GR**GNAGGL
60S ribosomal protein L28	RL28	P46779	-	+	-
60S ribosomal protein L29	RL29	P47914	-	+	-
60S ribosomal protein L3	RL3	P39023	-	+	RSSRH**RG**KVKSF, YVETP**RG**LRTFK, PRKTH**RG**LRKVA
60S ribosomal protein L30	RL30	P62888	-	+	-
60S ribosomal protein L31	RL31	P62899	-	+	-
60S ribosomal protein L32	RL32	P62910	-	-	NWRKP**RG**IDNRV
60S ribosomal protein L35	RL35	P42766	-	+	KARDL**RG**KKKEE
60S ribosomal protein L36	RL36	Q9Y3U8	-	-	RHSRR**RG**RLTKH
60S ribosomal protein L36a	RL36A	P83881	-	-	-
60S ribosomal protein L36a-like	RL36L	Q969Q0	-	-	-
60S ribosomal protein L38	RL38	P63173	-	+	-
60S ribosomal protein L4	RL4	P36578	-	+	RIPRV**RG**GGTHR, FGNMC**RG**GRMFA, RRIQR**RG**PCIIY
60S ribosomal protein L5	RL5	P46777	-	-	-
60S ribosomal protein L6	RL6	Q02878	+	+	NPVLV**RG**IGRYS, LTGRH**RG**KRVVF
60S ribosomal protein L7	RL7	P18124	+	+	FVIRI**RG**INGVS, ELIYK**RG**YGKIN, KLSSP**RG**GMKKK
60S ribosomal protein L7a	RL7A	P62424	-	+	-
60S ribosomal protein L8	RL8	P62917	-	+	MGRVI**RG**QRKGA, IHDPG**RG**APLAK, EKPGD**RG**KLARA, CWPRV**RG**VAMNP, RTGRL**RG**TKTVQ
6-phosphofructokinase type C	K6PP	Q01813	-	-	CNLLQ**RG**ITNLC, LGHVQ**RG**GTPSA, DAVRL**RG**RSFAG, KTTIQ**RG**LVLRN, KLKEA**RGRG**KKFTT
78 kDa glucose-regulated protein precursor	GRP78	P11021	-	-	GKEPS**RG**INPDE, IPPAP**RG**VPQIE
Actin, cytoplasmic 1	ACTB	P60709	-	-	EAQSK**RG**ILTLK, KILTE**RG**YSFTT
Actin, cytoplasmic 2	ACTG	P63261	-	-	EAQSK**RG**ILTLK, KILTE**RG**YSFTT
Activator of basal transcription 1	ABT1	Q9ULW3	+	+	LQSVE**RG**QRFLA
Alpha-centractin	ACTZ	P61163	-	-	KAEEH**RG**LLSIR
Alpha-enolase	ENOA	P06733	+	-	EIFDS**RG**NPTVE
AP-1 complex subunit mu-1	AP1M1	Q9BXS5	-	-	CRNY**RG**DVDMS, FDNTG**RG**KSKS
AP-2 complex subunit mu-1	AP2M1	Q96CW1	-	-	-
Arginyl-tRNA synthetase, cytoplasmic	SYRC	P54136	-	-	VSLIE**RG**ESFYQ, KEFED**RG**FVQVD, KMLDD**RG**NTAAY
Aspartyl-tRNA synthetase, cytoplasmic	SYDC	P14868	+	+	YDMFM**RG**EEILS
ATP synthase subunit alpha, mitochondrial precursor	ATPA	P25705	-	-	SLVPIG**RG**QRELI, QQLLS**RG**VRLTE, IYAGV**RG**YLDKL
ATP-binding cassette sub-family F member 1	ABCF1	Q8NE71	-	+	PAPKP**RG**GKKTK; TEYLQ**RG**FNLPY
ATP-citrate synthase	ACYL	P53396	-	-	QLIKR**RG**KLGL, TIFVR**RG**GPNYQ, EYKIC**RG**IKEGR, SICDE**RG**QELIY
ATP-dependent RNA helicase A	DHX9	Q08211	-	+	GPTWD**RG**ANLKD, SVVII**RG**ATGCG, RVAFE**RG**EEPGK, LEAGI**RG**ISHVI, GSGYR**RG**GSSYS, VGGGY**RG**VS**RG**GF**RG**NSGGD, SGGDY**RG**PSGGY**RG**SGGFQ**RG**GG**RG**AYGTG, YFGQG**RG**GGG
ATP-dependent RNA helicase DDX1	DDX1	Q92499	-	+	MNPYD**RG**SAFAI, TDVAA**RG**IDIHG, HVCSS**RG**KGCYN
ATP-dependent RNA helicase DDX3X	DDX3X	O00571	-	+	SRSDS**RG**KSSFF, SFFSD**RG**SGS**RG**RFDD**RG**RSDYD, DGIGS**RG**DRSGF, FGKFE**RG**GNSRW, IRDLE**RG**CHLLV, VDMME**RG**KIGLD, TAVAA**RG**LDISN, YKGSS**RG**RSKSS, GHGSS**RG**FGGGG
ATP-dependent RNA helicase DDX3Y	DDX3Y	O15523	-	+	GS**RD**SRGKPGYF, GYFSE**RG**SGS**RG**RFDD**RG**RSDYD, IRDLE**RG**CHLLV, VDMME**RG**KIGLD, TAVAA**RG**LDISN, YKGGS**RG**RSKSN, GFGAS**RG**SSSRS, GYGNS**RG**FGGGG
ATP-dependent RNA helicase DDX50	DDX50	Q9BQ39	-	+	KLLKG**RG**VTYLF, TNVAA**RG**LDIPE, YQPRE**RG**QLRYV
ATP-dependent RNA helicase DDX54	DDX54	Q8TDD1	-	+	GLRKR**RG**AASQA**RG**SDSED, TDLAA**RG**LDIPL, ASLEL**RG**LARVA, RSGPN**RG**AKRRR, DFDSE**RG**LSISG, AQNLT**RG**RQQLK, GASDR**RG**PER**RG**GKRD**RG**QGASR, LHFLQ**RG**GLKQL, QGAFG**RG**ARSKK
ATP-dependent RNA helicase DDX55	DDX55	Q8NHQ9	-	+	TDVMA**RG**IDIPE, FASLA**RG**FALLR, KMPEL**RG**KQFPD
BAG family molecular chaperone regulator 1	BAG1	Q99933	-	-	MAQ**RG**GARRP**RG**DRERL, EPPAQ**RG**PPPSR, HDRPT**RG**AAAGA
Beta-centractin	ACTY	P42025	-	-	KAEEH**RG**LLTIR
Bifunctional aminoacyl-tRNA synthetase	SYEP	P07814	-	+	RFPTV**RG**VLR**RG**MTVEG, IQLQR**RG**FFICD
Brix domain-containing protein 2	BXDC2	Q8TDN6	-	-	TKRKR**RG**GFAVQ, LIFSS**RG**INFRT
Bystin	BYST	Q13895	-	-	KFKAA**RG**VGGQE, VREKR**RGRG**TGEA, VLEVY**RG**VREVL
CAD protein	PYR1	P27708	-	-	DGSVL**RG**QPFGA, RCLCQ**RG**AEVTV, MRYGN**RG**HNQPC, LLEQH**RG**QPLPP, INLSM**RG**AGGRR, KAAKA**RG**LPVTC, RRVVL**RG**EVAYI, PERPR**RG**IPGLP, AFVAS**RG**TKQEE
Carbamoyl-phosphate synthase [ammonia]	CPSM	P31327	-	-	RLLVK**RG**AEVHL, MSMAN**RG**QNQPV, VELFK**RG**VLKEY
Carbonyl reductase [NADPH] 1	CBR1	P16152	-	-	ARDVT**RG**QAAVQ
Carbonyl reductase [NADPH] 3	CBR3	O75828			VTGAN**RG**IGLAI, ARDVA**RG**QAAVQ
Cell division cycle 5-like protein	CDC5L	Q99459	+	+	KRKRK**RG**VDYNA
Cell growth-regulating nucleolar protein	LYAR	Q9NX58	-	-	-
Chromodomain helicase-DNA-binding protein3	CHD3	Q12873	+	-	VKKRK**RG**PKKQK, GRKKL**RG**KKMAP, TKKLK**RG**RPGRK, EALNS**RG**GGNQV, VRDL**RG**KTEKE, PEPGY**RG**DREKS, STPGE**RG**EEKPL
Cisplatin resistance-associated overexpressed protein	CROP	Q86Y74	-	-	ERRIR**RG**HARLA
Clathrin heavy chain 1	CLH1	Q00610	-	-	FCFAV**RG**QAGGK, LILVV**RG**QF, CVAYE**RG**QCDLE, NYYQD**RG**YFEEL
Cleavage and polyadenylation specificity factor 7	CPSF7	Q8N684	-	+	CVRVP**RG**GIPPR

Coatomer subunit delta	COPD	P48444	-	-	-
Coiled-coil domain-containing protein 86	CCD86	Q9H6F5	-	-	-
Cold shock domain-containing protein E1	CSDE1	O75534	+	+	FGFIE**RG**DVVKE, VLRQP**RG**PDNSM
Complement component 1 Q subcomponent-binding protein	C1QBP	Q07021	-	-	GLLRP**RG**PCACG, DFLAD**RG**VDNTF
Core histone macro-H2A.1	H2AY	O75367	+	-	MSS**RG**GKKKS, LLAKK**RG**SKGKL
Crossover junction endonuclease MUS81	MUS81	Q96NY9	+	-	DIGET**RG**GGHRP, LALLT**RG**LQRLY, QLMQV**RG**VSGEK
Cullin-associated NEDD8-dissociated protein 1	CAND1	Q86VP6	-	-	-
D-3-phosphoglycerate dehydrogenase	SERA	O43175	-	-	VVNCA**RG**GIVDE
Developmentally-regulated GTP-binding protein 1	DRG1	Q9Y295	-	-	KDGKG**RG**RQVIA
DNA mismatch repair protein MSH6	MSH6	P52701	+	-	DDSPT**RG**WVSKR, LANYS**RG**GDGPM, VDELG**RG**TATFD
DNA polymerase delta catalytic subunit	DPOD1	P28340	+	-	PPKRA**RG**GLWDD, GPPPS**RG**SVPVL, ISRDS**RG**GRELT, SYLLS**RG**QQVKV, EAVLL**RG**DHTRC
DNA replication licensing factor MCM3	MCM3	P25205	+	-	NGSHI**RG**DINIL, IPTTG**RG**SSGVG, MVLAD**RG**VVCID
DNA replication licensing factor MCM6	MCM6	Q14566	+	-	QAELP**RG**SIPRS, ETEGI**RG**LRALG, NDEVK**RG**VLLML, EGTSL**RG**DINVC
DNA-binding protein A	DBPA	P16989	+	+	RRRYR**RG**YYGRR**RG**PPRNY, PRYRS**RG**PPRPR, QPSVR**RG**YRRPY
DNA-dependent protein kinase catalytic subunit	PRKDC	P78527	+	-	GHQLI**RG**LGQEC, LSIAI**RG**YGLFA, KRRLP**RG**FPPSA, TLLYL**RG**PFSLQ, RRIAR**RG**SCVTQ, PAKRV**RG**KARLP, EYDVL**RG**IFTSE, GQYDG**RG**KPLPE, KRIII**RG**HDERE, YVAVA**RG**SKDHN
DNA-directed RNA polymerase III subunit RPC2	RPC2	Q9NW08	+	-	DIEYT**RG**SQRII, KASLD**RG**FGRCL, MHARA**RG**PRAVL
DNA-directed RNA polymerases I and III subunit RPAC1	RPAC1	O15160	+	-	-
DnaJ homolog subfamily A member 1	DNJA1	P31689	-	-	MQRER**RG**KNVVH, DKCEG**RG**GKKGA, CCPNC**RG**TGMQI, AVFTR**RG**EDLFM, DEHHP**RG**GVQCQ
DnaJ homolog subfamily C member 9	DNJC9	Q8WXX5	-	-	DGEVR**RG**YHKVS
Double-stranded RNA-binding protein Staufen homolog 2	STAU2	Q9NUL3	-	+	KLLNE**RG**PAHSK, GLAMK**RG**EPAIY, ANYNF**RG**MYNQR, VLLSE**RG**MPRRR
Dynein heavy chain, cytosolic	DYHC	Q14204	-	-	KQCYE**RG**EKPKV, VRPHI**RG**AIREY, ESTRV**RG**RTGNV, QIRKA**RG**TFDNA, KCRLI**RG**WDDLF, REKEE**RG**EAVDE, GVQYH**RG**EMTAL, IIDSV**RG**ELQKR, MTRWV**RG**IFEAL, ARLAK**RG**GRTMA, FNRVA**RG**MLHQD, FQHFL**RG**NEIVL, RSFYE**RG**VAVLC
Elongation factor 1-alpha 1	EF1A1	P68104	-	-	KAERE**RG**ITIDI, VKDVR**RG**NVAGD
Elongation factor Tu, mitochondrial precursor	EFTU	P49411	-	-	LPLLC**RG**LAVEA, PEERA**RG**ITINA, YSVPG**RG**TVVTG, TGTLE**RG**ILKKG, LGALV**RG**LKRED, REDLRRGLVMVK
ESF1 homolog	ESF1	Q9H501	-	-	YAVDK**RG**RPISH, GPDLA**RG**KGNIE
Eukaryotic initiation factor 4A-I	IF4A1	P60842	-	+	SESLL**RG**IYAYG, DEMLS**RG**FKDQI, TDLLA**RG**IDVQQ, IHRIG**RG**GRFGR
Eukaryotic translation initiation factor 2 subunit 1	IF2A	P05198	-	+	KIEEK**RG**VFNVQ
Eukaryotic translation initiation factor 2 subunit 2	IF2B	P20042	-	+	-
Eukaryotic translation initiation factor 2 subunit 3	IF2G	P41091	-	-	WGQIR**RG**VTIKP
Eukaryotic translation initiation factor 2C 2	I2C2	Q9UKV8	-	-	-
Eukaryotic translation initiation factor 3 subunit 10	IF3A	Q14152	-	-	DSEWR**RG**PPEKE, EKEWR**RG**EGRDE, DRVPR**RG**MDDD**RG**PR**RG**PEEDR, DRFSR**RG**ADDDR, IADED**RG**NWRHA, DRPPR**RG**LDED**RG**SWRTA, TADED**RG**PR**RG**MDDD**RG**PR**RG**GADDE, NADDD**RG**PR**RG**LDDD**RG**PR**RG**MDDD**RG**PR**RG**MDDD**RG**PR**RG**MDDD**RG**PR**RG**LDDD**RG**PWRNA, DRIPR**RG**AEDD**RG**PWRNM, DRFPR**RG**DDSRP, EGGWR**RG**PAEES, DDRDR**RG**PPLRS
Eukaryotic translation initiation factor 3 subunit 6	IF36	P60228	-	-	-
Eukaryotic translation initiation factor 3 subunit 6-interacting protein	IF3I	Q9Y262	-	-	-
Exosome component 10	EXOSX	Q01780	-	+	LEMWE**RG**NGQPV, TGKSD**RG**FRYNW
Exportin-2	XPO2	P55060	-	-	ACDLV**RG**LCKFF, RLFTM**RG**PNNAT, QAFLE**RG**SNTIA
Exportin-T	XPOT	O43592	-	+	VDLNP**RG**VDLYL, AFLDH**RG**LRHSS, TIHLK**RG**PECVQ
FACT complex subunit SPT16	SPT16	Q9Y5B9	-	-	EDLLG**RG**SRAAL, RFTSV**RG**DKVDI, VHSSG**RG**SN**RG**SRHSS
Fatty acid synthase	FAS	P49327	-	-	NPDSL**RG**THTGV, FFFDF**RG**PSIAL, QPLPV**RG**GNVGI, TAMPF**RG**YAVLG, VLGGE**RG**GPEVQ, MGTQW**RG**MGLSL, LAAYW**RG**QCIKE, QAVLK**RG**LKPSC, EFPAP**RG**TPLIS, KELRL**RG**YDYGP, LHTLL**RG**HPLGD, VSTLT**RG**DLSSI, YALVV**RG**RVRPG, QWLIQ**RG**VQKLV, SLEGA**RG**LIAEA, SVSCG**RG**NAGQS
FilaminA	FLNA	P21333	-	-	PQLEA**RG**DSTYR, CRAVG**RG**LQPKG, DRVKA**RG**PGLEK, VKYTP**RG**AGSYT, TYVQD**RG**DGMYK, FTVET**RG**AGTGG
G patch domain-containing protein 4	GPTC4	Q5T3I0	+	+	PEVKS**RG**MKFAE, LNLED**RG**EETVL, TGSSS**RG**KRKRQ
GCN1-like protein 1	GCN1L	Q92616	-	-	MLASY**RG**DTLLQ, RETVL**RG**LMELH, LQDSN**RG**VRLKA, AVSGV**RG**MGFLM
GC-rich sequence DNA-binding factor homolog	GCFC	Q9Y5B6	+	-	FLQEM**RG**YVQDL
General transcription factor II-I	GTF2I	P78347	+	-	VVGTE**RG**RAFVN, LERIV**RG**SNKIK, VPFKP**RG**REFSF
Glutamate-rich WD repeat-containing protein 1	GRWD1	Q9BQ67	-	-	VYLPG**RG**PPLRE
Glutaminyl-tRNA synthetase	SYQ	P47897	-	-	LMEQL**RG**EALKF, VELIR**RG**LAYVC, YVCHQ**RG**EELKG, TALRR**RG**FPPEA
Glutathione S-transferase Mu 3	GSTM3	P21266	-	-	GYWDI**RG**LAHAI
Glyceraldehyde-3-phosphate dehydrogenase	G3P	P04406	-	-	LWRDG**RG**ALQNI
G-rich sequence factor 1	GRSF1	Q12849	-	+	LGALL**RG**CGCNC, AASQT**RG**LQTGP, RDGKR**RG**DALIE, GVVRL**RG**LPYSC, FVMDY**RG**RRKTG, HFVHM**RG**LPFQA
Guanine nucleotide-binding protein subunit beta 2-like 1	GBLP	P63244	-	-	EQMTL**RG**TLKGH, PQRAL**RG**HSHFV
Guanine nucleotide-binding protein-like 3	GNL3	Q9BVP2	-	-	KEAKK**RG**HKKPR, VLAQR**RG**MHQKG
H/ACA ribonucleoprotein complex subunit 4	DKC1	O60832	-	+	-
Heat shock 70 kDa protein 1	HSP71	P08107	-	-	IPPAP**RG**VPQIE
Heat shock 70 kDa protein 1L	HS71L	P34931	-	-	CADLF**RG**TLEPV, IPPAP**RG**VPQIE
Heat shock 70 kDa protein 6	HSP76	P17066	-	-	VRVCY**RG**EDKTF, YGLDR**RG**AGERN, IPPAP**RG**VPQIE
Heat shock protein HSP 90-alpha	HS90A	P07900	-	-	GEPMG**RG**TKVIL, YLNFI**RG**VVDSE
Heat shock protein HSP 90-beta	HS90B	P08238	-	-	GEPIG**RG**TKVIL, YLNFI**RG**VVDSE, ERVRK**RG**FEVVY
Heterogeneous nuclear ribonucleoprotein A/B	ROAA	Q99729	-	+	VPEAS**RGRG**WTGAA, NTGRS**RG**FGFIL, KLNKR**RG**FVFIT, YGSGG**RG**NRN**RG**N**RG**SGGGG, GKSQR**RG**GHQNN

Heterogeneous nuclear ribonucleoprotein A0	ROA0	Q13151	-	+	SESGL**RG**HFEAF, QSGKK**RG**FGFVY, GSRSS**RG**G**RG**G**RGRG**GGRDQ, NSGPY**RG**GYGGG
Heterogeneous nuclear ribonucleoprotein A1	ROA1	P09651	+	+	NTKRS**RG**FGFVT, EIMTD**RG**SGKK**RG**FAFVT, ASSSQ**RG**RSGSG, NFGGG**RG**GGFGG, NDNFG**RG**GNFSG**RG**GFGGS**RG**GGGYG, YSGGS**RG**YGSGG
Heterogeneous nuclear ribonucleoprotein A3	ROA3	P51991	-	+	RRRRRR**RG**EEGHD, QTKRS**RG**FGFVT, QSGKK**RG**FAFVT, SAGSQ**RGRG**GGSGN, GNFMG**RG**GNFGG, GGNFG**RG**GNFGG**RG**GYGGG, GGGGS**RG**SYGGG, PGYSS**RG**GYGGG
Heterogeneous nuclear ribonucleoprotein D0	HNRPD	Q14103	+	+	ITGRS**RG**FGFVL, KTNKR**RG**FCFIT, QQWGS**RG**GFAGR, FAGRA**RGRG**GGPSQ, GKVSR**RG**GHQNS
Heterogeneous nuclear ribonucleoprotein D-like	HNRDL	O14979	+	+	VTGRS**RG**FGFVL, KTNER**RG**FCFIT, QQKGG**RG**AAAGG**RG**GT**RGRGRG**QGQNW, YGKAS**RG**GGNHQ
Heterogeneous nuclear ribonucleoprotein F	HNRPF	P52597	-	+	FVVKL**RG**LPWSC, GFVRL**RG**LPFGC, HCVHM**RG**LPYKA
Heterogeneous nuclear ribonucleoprotein G	HNRPG	P38159	-	+	ETNKS**RG**FAFVT, FESGR**RG**PPPPP, PPPRS**RG**PP**RG**L**RG**G**RG**GSGGT**RG**PPS**RG**GHMDD, NMSSS**RG**PLPVK**RG**PPPRS, RAPVS**RG**RDSYG, DDYPS**RG**YSDRD, SAPPT**RG**PPPSY, VGRQE**RG**LPPSM, PPSME**RG**YPPPR, YSSSS**RG**AP**RG**GG**RG**GSRSD**RG**GGRSR
Heterogeneous nuclear ribonucleoprotein H	HNRH1	P31943	-	+	FVVKV**RG**LPWSC, GFVRL**RG**LPFGC, RPGAG**RG**YNSIG**RG**AGFER, FERMR**RG**AYGGG, HCVHM**RG**LPYRA
Heterogeneous nuclear ribonucleoprotein H'	HNRH2	P55795	-	+	FVVKV**RG**LPWSC, GFVRL**RG**LPFGC, RPGAG**RG**YNSIG**RG**AGFER, FERMR**RG**AYGGG, HCVHM**RG**LPYRA
Heterogeneous nuclear ribonucleoprotein H3	HNRH3	P31942	-	+	GTVRL**RG**LPFGC, RPIGG**RG**GYYGA, YYGAG**RG**SMYDR, YDRMR**RG**GDGYD, RMRDG**RG**MGGHG, HFVHM**RG**LPFRA, LGGYG**RG**GGGSG, SGGGW**RG**M
Heterogeneous nuclear ribonucleoprotein K	HNRPK	P61978	+	+	MFDDR**RG**RPVGF, VGFPM**RGRG**GFDRM, RMPPG**RG**GRPMP, DMSPR**RG**PPPPP, PPPPG**RG**GRGGSRAR, PPPPP**RG**GDLMA, MAYDR**RG**RPGDR, SYAGG**RG**SYGDL
Heterogeneous nuclear ribonucleoprotein M	HNRPM	P52272	-	+	EKNIK**RG**GNRFE, AEGKS**RG**CAVVE, KDGKS**RG**IGTVT, SNALK**RG**EIIAK, AIEME**RG**NFGGS
Heterogeneous nuclear ribonucleoprotein Q	HNRPQ	O60506	-	+	LTGLN**RG**YAFVT, DKKKN**RG**FCFLE, MPPPT**RGRGRG**GRGGYGYP, DYHNY**RG**GYEDP, FQVGA**RGRG**G**RG**A**RG**AAPS**RGRG**AAPP**RG**RAGYS, AGYSQ**RG**GPGSA**RG**V**RG**A**RG**GAQQQ**RGRG**V**RG**A**RG**G**RG**GNVGG
Heterogeneous nuclear ribonucleoprotein R	HNRPR	O43390	-	+	LSGQN**RG**YAFIT, DKKKN**RG**FCFLE, VHFED**RG**AAVKA, MPPPI**RGRGRG**GG**RG**GYGYP, DYHDY**RG**GYEDP, DGYAV**RGRG**GG**RG**G**RG**APPPP**RGRG**APPP**RG**RAGYS, AGYSQ**RG**APLGP, PLGPP**RG**S**RG**G**RG**GPAQQ, PAQQQ**RGRG**S**RG**S**RG**N**RG**GNVGG
Heterogeneous nuclear ribonucleoprotein U	HNRPU	Q00839	+	+	QPQQQ**RG**AAKEA, GGDKK**RG**VKRPR, REDHG**RG**YFEYI, LEDRV**RG**PKGPE, KNQFN**RG**GGH**RGRG**GFNM**RG**GNF**RG**GAPGN**RG**GYNR**RG**NMPQ**RG**GGGGG, PVFPG**RG**SYSN**RG**NYN**RG**GMPN**RG**NYNQN, YNQNF**RGRG**NN**RG**YKNQS
Heterogeneous nuclear ribonucleoprotein U-like protein 1	HNRL1	Q9BUJ2	-	+	EELQR**RG**LDT**RG**LKAEL, PYEEN**RGRG**YFEHR, HREDR**RG**RSPQP, SYGVR**RG**RVCFE, LSERI**RG**TVGPK, KRFDN**RG**GGGF**RGRG**GGGGF, QRYEN**RG**PPGGN**RG**GFQN**RG**GGSGG, GGGNY**RG**GFNRS, NNSNN**RG**SYNRA
Heterogeneous nuclear ribonucleoprotein U-like protein 2	HNRL2	Q1KMD3	-	+	SELQR**RG**LDS**RG**LKVDL, SDGER**RG**VKRQR, YGFDG**RG**LKAEN, RQNRS**RG**QGYVG, VGGQR**RG**YDNRA, GQPGN**RG**GYRNF, FYDRY**RG**DYDRF
Heterogeneous nuclear ribonucleoproteins A2/B1	ROA2	P22626	+	+	ASKRS**RG**FGFVT, QSGKK**RG**FGFVT, SSRSG**RG**GNFGF, GFGDS**RG**GGGNF, PGSNF**RG**GSDGY, GYGSG**RG**FGDGY, GYGGG**RG**GYGGG
Histone chaperone ASF1B	ASF1B	Q9NVP2	-	-	-
Histone H1.0	H10	P07305	+	+	-
Histone H1.2	H1.2	P16403	+	-	-
Histone H1.3	H1.3	P16402	+	-	-
Histone H1.4	H1.4	P10412	+	-	-
Histone H1.5	H1.5	P16401	+	-	-
Histone H1x	H1X	Q92522	+	-	GGGER**RG**APAAA, DKKPA**RG**QKPEQ
Histone H2A.Z	H2AZ	P0C0S5	+	-	LQLAI**RG**DEELD
Histone H2AV	H2AV	Q71UI9	+	-	LQLAI**RG**DEELD
Histone H2B type 1-B	H2B1B	P33778	+	-	-
Histone H2B type 1-C/E/F/G/I	H2B1C	P62807	+	-	-
Histone H2B type 1-D	H2B1D	P58876	+	-	-
Histone H2B type 1-H	H2B1H	Q93079	+	-	-
Histone H2B type 1-J	H2B1J	P06899	+	-	-
Histone H2B type 1-K	H2B1K	O60814	+	-	-
Histone H2B type 1-L	H2B1L	Q99880	+	-	-
Histone H2B type 1-M	H2B1M	Q99879	+	-	-
Histone H2B type 1-N	H2B1N	Q99877	+	-	-
Histone H2B type 1-O	H2B1O	P23527	+	-	-
Histone H2B type 2-E	H2B1E	Q16778	+	-	-
Histone H2B type 2-F	H2B2F	Q5QNW6	+	-	-
Histone H2B type F-S	H2B2FS	P57053	+	-	-
Histone H3.1	H3.1	P68431	+	-	LARRI**RG**ER
Histone H3.1t	H31T	Q16695	+	-	LARRI**RG**ER
Histone H3.2	H3.2	Q71DI3	+	-	LARRI**RG**ER
Histone H3.3	H3.3	P84243	+	-	LARRI**RG**ER
Histone H4	H4	P62805	+	-	MSG**RG**KGGKG, RRLAR**RG**GVKRI, IYEET**RG**VLKVF
Histone-binding protein RBBP7	RBBP7	Q16576	-	-	PDLRL**RG**HQKEG
Importin subunit alpha-2	IMA2	P52292	-	-	-
Importin subunit beta-1	IMB1	Q14974	-	-	-
Importin-7	IPO7	O95373	-	-	IIEAL**RG**TMDPA, LQCKG**RG**IDQCI
Insulin-like growth factor 2 mRNA-binding protein 1	IF2B1	Q9NZI8	-	+	PENGR**RG**GFGS**RG**QPRQG

Insulin-like growth factor 2 mRNA-binding protein 3	IF2B3	O00425	-	+	PLQQP**RG**R**RG**LGQ**RG**SSRQG
Interferon-induced protein with tetratricopeptide repeats 1	IFIT1	P09914	-	-	TKGQP**RG**QNREK
Interferon-induced protein with tetratricopeptide repeats 2	IFIT2	P09913	-	-	DEDSE**RG**LESGS
Interferon-induced protein with tetratricopeptide repeats 3	IFIT3	O14879	-	-	-
Interferon-induced protein with tetratricopeptide repeats 5	IFIT5	Q13325	-	-	-
Interleukin enhancer-binding factor 2	ILF2	Q12905	+	-	M**RG**D**RGRGRG**GRFGS**RG**GPGGG
Interleukin enhancer-binding factor 3	ILF3	Q12906	+	+	MTRTL**RG**VMRVG, TWGPL**RG**WPLEL, LNEKR**RG**LKYEL, APVPV**RG**GPKFA, PPPNL**RGRGRG**GSI**RGRGRGRG**FGGAN
Isoleucyl-tRNA synthetase, cytoplasmic	SYIC	P41252	-	-	KTLGI**RG**PEDVA, KGLVY**RG**VKVMP, IKDVA**RG**RLLIL, GIDQT**RG**WFYTL, EITLT**RG**SSLPG
Keratin, type II cytoskeletal 1	K2C1	P04264	-	-	SISVA**RG**GG**RG**SGFGG, SDAEQ**RG**ENALK, SGGGS**RG**GGGGG, GGGGG**RG**SYGSG, SSGGY**RG**GSGGG, GSSGG**RG**SGGGS, GSIGG**RG**SSSGG
Kinesin-like protein KIF11	KIF11	P52732	-	-	DPRNK**RG**VIIKG, KDKEN**RG**INTLE
KRR1 small subunit processome component homolog	KRR1	Q13601	-	+	KEDNP**RG**LLEES
Leucyl-tRNA synthetase, cytoplasmic	SYLC	Q9P2J5	-	-	LMKMN**RG**IKDLS
Leukotriene A-4 hydrolase	LKHA4	P09960	-	-	-
L-lactate dehydrogenase A chain	LDHA	P00338	-	-	-
L-lactate dehydrogenase B chain	LDHB	P07195	-	-	CILNA**RG**LTSVI
Lupus La protein	La	P05455	-	+	WIDFV**RG**AKEGI
Medium tumor antigen-associated 61 kDa protein	2AAA	P30153	-	-	-
Methionyl-tRNA synthetase, cytoplasmic	SYMC	P56192	-	+	AAGRA**RG**RAEVL, QQLLK**RG**FVLQD, GYEEA**RG**DQCDK, KFSKS**RG**VGVFG
Mitochondrial 28S ribosomal protein S29	RT29	P51398	-	-	-
Mitochondrial 28S ribosomal protein S5	RT05	P82675	-	+	GAKKG**RG**KRTKK, RKDLN**RG**QIIGE, KVKRE**RG**WSGNS, TQGLF**RG**LSRQE, VVASP**RG**PLRKD
Mitochondrial 39S ribosomal protein L3	RM03	P09001	-	+	IWLFV**RG**LHGKS
Mitochondrial dimethyladenosine transferase 1	TFB1M	Q8WVM0	+	-	RKYCH**RG**LRMLF
Mitotic checkpoint protein BUB3	BUB3	O43684	-	-	-
MKI67 FHA domain-interacting nucleolar phosphoprotein	MK67I	Q9BYG3	-	+	-
Multiple myeloma tumor-associated protein 2	MMTA2	Q9BU76	-	-	MFGSS**RG**GV**RG**GQDQF, CKRRK**RG**HSGDR, RRWHD**RG**SE
Multisynthetase complex auxiliary component p43	MCA1	Q12904	-	+	KPAKM**RG**VLSQA
Myosin-9	MYH9	P35579	-	-	VTDFT**RG**ILTPR, FQACC**RG**YLARK, TLENE**RG**ELANE, KNKLR**RG**DLPFV
N-acetyltransferase 10	NAT10	Q9H0A0	-	-	VVVGD**RG**KDQVV, ALTAA**RGRG**KSAAL, LNSLS**RG**KKASG, SEYII**RG**DDEEW
NAD-dependent deacetylase sirtuin-2	SIRT2	Q8IXJ6	-	-	-
Neuroguidin	NGDN	Q8NEJ9	-	-	-
NFX1-type zinc finger-containing protein 1	ZNFX1	Q9P2E3	-	-	SHTNH**RG**PVDGE, PANAL**RG**GASHP, QEDLC**RG**IVQLC, LECTM**RG**VLREQ, AIGYP**RG**HWFKC, GGAME**RG**TCPDC
Nicotinamide phosphoribosyltransferase	NAMPT	P43490	-	-	GFVIP**RG**NVLFT, HDFGY**RG**VSSQE
Non-POU domain-containing octamer-binding protein	NONO	Q15233	+	+	DNMPL**RG**KQLRV, VIVDD**RG**RPSGK, MGINN**RG**AMPPA
Nuclease sensitive element-binding protein 1	YBOX1	P67809	+	+	RYPRR**RG**PPRNY, RQNMY**RG**YRPRF, RPRFR**RG**PPRQR
Nucleolar GTP-binding protein 1	NOG1	Q9BZE4	-	-	-
Nucleolar GTP-binding protein 2	NOG2	Q13823	-	-	ERRNS**RG**KIIKP, LNDWQ**RG**RIPFF
Nucleolar RNA helicase 2	DDX21	Q9NR30	-	+	KLLKG**RG**VTFLF, LQDRK**RG**RAPQV, TNVAA**RG**LDIPE, GYGGF**RG**QREGS**RG**F**RG**QRDGN, GNRRF**RG**QREGS**RG**P**RG**QRSGG
Nucleolin	NUCL	P19338	+	+	QNQDY**RG**GKNST, ELQGP**RG**SPNAR, GGFGG**RG**GG**RG**GFGG**RG**GG**RG**G**RG**GFGG**RGRG**GFGG**RG**GF**RG**G**RG**GGGDH
Parafibromin	CDC73	Q6P1J9	-	-	-
Pentatricopeptide repeat protein 1	PTCD1	O75127	-	-	EPKLW**RG**RRNTP, PVLAK**RG**LVPNL
Peroxiredoxin-1	PRDX1	Q06830	-	-	EGISF**RG**LFIID
Pescadillo homolog 1	PESC	O00541	-	-	KKKYE**RG**SATNY, LLALQ**RG**EDPGN
Plasminogen activator inhibitor 1 RNA-binding protein	PAIRB	Q8NC51	-	+	IDRPI**RGRG**GLG**RGRG**G**RGRG**MG**RG**DGFDS**RG**KREFD, KHEDK**RG**GSGSH, LGRPG**RGG**R**GG**R**GRG**GRPN**RG**SRTDK
Poly(rC)-binding protein 1	PCBP1	Q15365	+	+	-
Polyadenylate-binding protein 1	PABP1	P11940	-	+	-
Polyadenylate-binding protein 4	PABP4	Q13310	-	+	-
Polypyrimidine tract-binding protein 1	PTBP1	P26599	+	+	AVGTK**RG**SDELF, VTPVL**RG**QPIYI
Pre-mRNA-processing factor 19	PRP19	Q9UMS4	+	-	TERKK**RG**KTVPE
Pre-mRNA-splicing factor 8	PRP8	Q6P2Q9	-	+	GVFPY**RG**PGNPV, WLFFM**RG**ITPLL, RERIR**RG**ATVDK, SYGII**RG**LQFAS, EDSWD**RG**IPRIN
Probable ATP-dependent RNA helicase DDX17	DDX17	Q92841	-	+	MRGGGFGD, DRDRD**RG**GFGA**RG**GGGLP, KEITV**RG**GDVCP, QPYLE**RG**DGPIC, IRDLE**RG**VEICI, TDVAS**RG**LDVED, QLVDH**RG**GGGGG, CDRRL**RG**VKDGG
Probable ATP-dependent RNA helicase DDX27	DDX27	Q96GQ7	-	+	LAQRR**RG**GCEKL, TDVAA**RG**LDIEG, FDLAL**RG**KKKRK, EEEPV**RG**PAKKQ, LPHQR**RG**GNFKS
Probable ATP-dependent RNA helicase DDX28	DDX28	Q9NUL7	-	+	LLAPR**RG**LTVRS, IPSLL**RG**RHVVC, PIPAP**RG**LVLVP, TDIAS**RG**LDSTG
Probable ATP-dependent RNA helicase DDX49	DDX49	Q9Y6V7	-	+	TDVAS**RG**LDIPT
Probable ATP-dependent RNA helicase DDX5	DDX5	P17844	-	+	SSDRD**RG**RD**RG**FGAPR, KEITV**RG**HNCPK, QPFLE**RG**DGPIC, IRDLE**RG**VEICI, TDVAS**RG**LDVED, QLVED**RG**SGRS**RGRG**GMKDD, YSAGK**RG**GFNTF, RENYD**RG**YSSLL
Probable ATP-dependent RNA helicase DDX56	DDX56	Q9NY93	-	+	VEQAV**RG**LVLVP, KLSLI**RG**KSLLF, VKGKR**RGRG**PKGDK, EAGVA**RG**IDFHH, LSGEN**RG**PILLP, VPPAL**RG**LVRPH
Probable ATP-dependent RNA helicase DHX36	DHX36	Q9H2U1	-	+	GHGGN**RG**SGGGG, GGGGG**RG**G**RG**RHPGH, DNYIE**RG**KGSAC, RCQFK**RG**FMQGH, EEARR**RG**FRYEK
Probable dimethyladenosine transferase	DIM1L	Q9UNQ2	-	+	AIGRR**RG**RQEQR
Probable RNA-binding protein 19	RBM19	Q9Y4C8	-	+	QERDS**RG**AGQEQ, HTVKL**RG**APFNV, GTGTH**RG**FGFVD
Probable rRNA-processing protein EBP	EBP2	Q99848	-	-	QDAFS**RG**LLKPG, KTAHG**RG**LKRPG

Protein AATF	AATF	Q9NY61	-	-	-
Protein C14orf166	CN166	Q549M8	-	-	YKIED**RG**NLRNI
Protein FAM102B	F102B	Q5T8I3	-	-	-
Protein FAM111B	F111B	Q6SJ93	-	-	GLFYQ**RG**FNVHA
Protein FAM98B	FA98B	Q52LJ0	-	-	M**RG**PEPGP
Protein KIAA0082	K0082	Q8N1G2	-	-	SQKGR**RG**LGLTL**RG**FDQEL, PYEMI**RG**VFFLN
Protein RCC2	RCC2	Q9P258	-	-	AGPRK**RG**GPAGR, FDFPG**RG**ASQIY
Protein SDA1 homolog	SDA1	Q9NVU7	-	-	LQKKF**RG**KPTEA, SDEEP**RG**ELLSL
Pumilio homolog 1	PUM1	Q14671	-	+	QQQVL**RG**GASQR, LAERI**RG**HVLSL, IVAEI**RG**NVLVL
Putative ATP-dependent RNA helicase DHX30	DHX30	Q7L2E3	-	+	PLRDS**RG**SSFEM, ELWRR**RG**PVWQE, YVTEG**RG**ARCNV, SKPPS**RG**GALLF, LHIDA**RG**EPGGI, NVIQR**RG**RAGRC, LAELL**RG**PCGSF
Putative ATP-dependent RNA helicase DHX57	DHX57	Q6P158	-	+	GKGSS**RG**G**RG**GRSHA, DAGSE**RG**LSGEE, NVQLQ**RG**EFVVS, LCTCP**RG**SRIIS
Putative pre-mRNA-splicing factor ATP-dependent RNA helicase DHX15	DHX15	O43143	-	+	DRERD**RG**DRERE, LPGPK**RG**VACTQ
Putative RNA-binding protein Luc7-like 1	LUC7L	Q9NQ29	-	-	SRSHS**RG**HRRAS, SGRSE**RG**PPDWR
Putative RNA-binding protein Luc7-like 2	LC7L2	Q9Y383	-	-	-
Putative rRNA methyltransferase 3	RRMJ3	Q8IY81	+	+	CDFLA**RG**GSFIT, SLCTI**RG**HQLLE, ELAGV**RG**HQGLR, SWEPL**RG**KKRS**RG**PKSDD, RPAGV**RG**HFKVV
Pyruvate dehydrogenase E1 component subunit beta	ODPB	P08559	-	-	KQKII**RG**FCHLC, GFTFT**RG**LSVRE, TDYYK**RG**DFIPG, PPFEV**RG**ANQWI
Pyruvate kinase isozymes M1/M2	KPYM	P14618	-	-	GIMVA**RG**DLGIE, QAHLY**RG**IFPVL, NVGKA**RG**FFKKG
Ras GTPase-activating protein-binding protein 1	G3BP1	Q13283	+	+	NIPPQ**RG**PRPIR, RPIMF**RG**EVRLN, RDNRL**RG**PGGP**RG**GLGGG, LGGGM**RG**PP**RG**GMVQK, GFGVG**RG**LAPR
Ras GTPase-activating protein-binding protein 2	G3BP2	Q9UN86	-	+	PGFPP**RG**PRPG**RG**DMEQN, KPIMF**RG**EVRLN, RERET**RG**GGDDR, IRRND**RG**PGGP**RG**IVGGG, RDRDG**RG**PPP**RG**GMAQK, KLGSG**RG**TGQME
Ras GTPase-activating-like protein IQGAP1	IQGA1	P46940	-	-	PALGL**RG**LQQQN, LQARC**RG**YLVRQ, IQSQW**RG**YKQKK, VVSFN**RG**A**RG**QNALR
Ras-related protein Rab-35	RAB35	Q15286	-	-	TSTYY**RG**THGVI
Regulator of nonsense transcripts 1	RENT1	Q92900	+	+	WFCNG**RG**NTSGS, GPAAG**RG**TPKGK, KGKTG**RG**GRQKN
Replication initiator 1	REPI1	Q9BWE0	+	-	LERRC**RG**PLAMG, LGKES**RG**LRQQG, CGQSF**RG**WVALV, LGPRP**RG**RPAVT
Rho GTPase-activating protein 1	RHG01	P20936	-	-	TLSNE**RG**AQQHV
Ribonuclease P protein subunit p30	RPP30	P78346	-	-	DLKAL**RG**LVETA, NVAID**RG**LAFEL, RPLEI**RG**PYDVA
Ribonuclease P protein subunit p40	RPP40	O75818	-	-	-
Ribonucleases P/MRP protein subunit POP1	POP1	Q99575	-	-	GFVAD**RG**VKHHS, IPFIY**RG**VRVGG, SSEDS**RG**GRRAP, RRAPG**RG**QQGLT, QPAAQ**RG**LVLLR
Ribosomal L1 domain-containing protein 1	RL1D1	O76021	-	+	HGKKK**RG**RGKAQVK, NPSTP**RG**KKRKA
Ribosomal protein L7-like 1	RL7L	Q6DKI1	-	-	ELILK**RG**QAKVK, GTPGY**RG**ERINQ
RNA 3'-terminal phosphate cyclase	RTC1	O00442	-	+	CDIKT**RG**YYPKG, INLTE**RG**CVTKI, SSLGK**RG**VNADK
RNA exonuclease 4	REXO4	Q9GZR2	-	-	DQEAS**RG**SVPSG, DIVPE**RG**DIEHK
RNA U small nuclear RNA export adapter protein	RNUXA	Q9H814	-	+	-
RNA-binding protein 26	RBM26	Q5T8P6	-	+	RYNRR**RG**RSRSY, KGFCM**RG**DMCPF, LEAAK**RG**ILSSG**RG**RGIHS**RG**RGAVHG**RG**RG**RG**RG**RG**VPGHA
RNA-binding protein 35B	RB35B	Q9H6T0	-	+	TVVRA**RG**LPWQS, GLNVA**RG**GVALC, VILRL**RG**LPFSA, DCVRL**RG**LPYTA
RNA-binding protein 39	RBM39	Q14498	-	+	RDRRF**RG**RYRSP, FNSA**RG**KIGLP, TEDML**RG**IFEPF
RNA-binding protein 4	RBM4	Q9BWF3	-	+	AVEAI**RG**LDNTE
RNA-binding protein Musashi homolog 2	MSI2H	Q96DH6	-	+	TTKRS**RG**FGFVT, TTNRH**RG**FGFVT, FPPGT**RG**RA**RG**LPYTM, VATYG**RG**YPGFA, AVAAA**RG**SGSNP
RRP15-like protein	RRP15	Q9Y3B9	-	-	QRIAT**RG**VVQLF, FISVL**RG**MDGST
RRP1-like protein	RRP1	P56182	-	-	LNNIT**RG**IFETI, SEGGE**RG**DALSQ, RLQQE**RG**KGEKE, KRSRR**RG**VGADP, LRDQP**RG**RG**RG**QR**RG**ARQRR
RuvB-like 1	RUVB1	Q9Y265	-	-	ITDKL**RG**EINKV, IFASN**RG**NCVI**RG**TEDIT
RuvB-like 2	RUVB2	Q9Y230	+	-	AHSHI**RG**LGLDD, IMATN**RG**ITRI**RG**TSYQS
Serine hydroxymethyltransferase, mitochondrial precursor	GLYM	P34897	-	-	TGEAN**RG**WTGQE, KDRQC**RG**LELIA, THKTL**RG**ARSGL, DALLE**RG**YSLVS
Serine/threonine-protein kinase 6	STK6	O14965	-	-	-
Serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform	PP2AB	P67775	-	-	GDYVD**RG**YYSVE, RITIL**RG**NHESR, SDPDD**RG**GWGIS, WGISP**RG**AGYTF, DPAPR**RG**EPHVT
Serine/threonine-protein phosphatase 2A catalytic subunit beta isoform	PP2AA	P62714	-	-	GDYVD**RG**YYSVE, RITIL**RG**NHESR, SDPDD**RG**GWGIS, WGISP**RG**AGYTF, DPAPR**RG**EPHVT
Serine-threonine kinase receptor-associated protein	STRAP	Q9Y3F4	-	-	-
Signal recognition particle 14 kDa protein	SRP14	P37108	-	+	-
Small nuclear ribonucleoprotein E	RUXE	P62304	-	+	MAY**RG**QGQKV
Small nuclear ribonucleoprotein Sm D2	SMD2	P62316	-	-	SKMFL**RG**DSVIV
Small nuclear ribonucleoprotein-associated protein N	RSMN	P63162	-	+	GLVLL**RG**ENLVS, GRAAG**RG**VPAGV, LAGPV**RG**VGGPS, MTPQG**RG**TVAAA, QYPPG**RG**TPPPP, GLPPA**RG**TPIGM, PPPGI**RG**PPPPG
Small nuclear ribonucleoprotein-associated proteins B and B'	RSMB	P14678	-	+	GLVLL**RG**ENLVS, GRAAG**RG**IPAGV, LAGPV**RG**VGGPS, MTPQG**RG**TVAAA, QYPPG**RG**GPPPP, PPPMG**RG**APPPG, GIPPG**RG**TPMGM, PPPGM**RG**PPPPG
Spectrin alpha chain, brain	SPTA2	Q13813	-	-	AASTN**RG**KDLIG, WINGI**RG**LVSSD, NADRI**RG**VIDMG, NSLIE**RG**ACAGS, QLAAA**RG**QRLEE
Splicing factor 3B subunit 1	SF3B1	O75533	-	-	AATPG**RG**DTPGH, TPRTD**RG**GDSIG, GIRQH**RG**KGLAA, GRIAD**RG**AEYVS
Splicing factor 3B subunit 2	SF3B2	Q13435	+	+	NRPVL**RG**EDGDK, PVPRP**RG**PPPPP, KPQRV**RG**VSSES, DSTRS**RG**SDSPA, YLQGK**RG**IEKPP, QPQDS**RG**GSKKY
Splicing factor 3B subunit 3	SF3B3	Q15393	+	+	EIVVS**RG**KILEL, LDDPE**RG**MIFVC, YVACG**RG**PRSSL, DELGE**RG**SIGFL, KALWD**RG**LLNGA
Splicing factor 3B subunit 4	SF3B4	Q15427	-	+	MGMPP**RG**PPFGS, PPHGM**RG**PPPLM, PYGYQ**RG**PLPPP, PPVPP**RG**PL**RG**PLP
Splicing factor U2AF 35 kDa subunit	U2AF1	Q01081	-	+	MGECT**RG**GFCNF, SRSRD**RG**RGGGGGG
Splicing factor, arginine/serine-rich 1	SFRS1	Q07955	-	+	GGGVI**RG**PAGNN, DLKNR**RG**GPPFA, FPRSG**RG**TG**RG**GGGGG, GGGAP**RG**RYGPP, SPRRS**RG**SPRYS
Splicing factor, arginine/serine-rich 10	TRA2B	P62995	-	+	QSRRS**RG**FAFVY, RDYYD**RG**YD**RG**YDDRD, YSRSY**RG**GGGGG, SPYYS**RG**GYRSR

Splicing factor, arginine/serine-rich 2	SFRS2	Q01130	-	+	YTKES**RG**FAFVR, SHHSR**RG**PPPRR
Splicing factor, arginine/serine-rich 3	SFRS3	P84103	-	+	KRSRN**RG**PPPSW
Splicing factor, arginine/serine-rich 4	SFRS4	Q08170	-	+	IVEHA**RG**PRRDG, VEEEK**RG**SVS**RG**RSQEK, ERSRK**RG**SKRDS, SQREG**RG**ESENA
Splicing factor, arginine/serine-rich 5	SFRS5	Q13243	-	+	DIDLK**RG**FGFVE, ARARS**RG**G**RGRG**RYSDR, EKSQK**RG**SSSRS
Splicing factor, arginine/serine-rich 6	SFRS6	Q13247	-	+	IVEHA**RG**PRRDR, KPKSD**RG**SHSHS
Splicing factor, arginine/serine-rich 7	SFRS7	Q16629	-	+	AEDAV**RG**LDGKV, SHSRS**RG**RRYSR, SRSRS**RG**RRSRS
Splicing factor, arginine/serine-rich 9	SFRS9	Q13242	-	+	GWADE**RG**GEGDG, RTYGG**RG**GWP**RG**GRNGP, SRSGS**RG**RDSPY, SPYQS**RG**SPHYF
Splicing factor, proline- and glutamine-rich	SFPQ	P23246	+	+	DRFRS**RG**GGGGG, GGFHR**RG**GGGG**RG**GLHDF, GLNQN**RG**PMGPG, PKPPH**RG**GGEP**RG**GRQHH, DDTPM**RG**RQLRV, VIVDD**RG**RSTGK, GGQGP**RG**MGPGT, PAGYG**RG**REEYE
Squamous cell carcinoma antigen recognized by T-cells 3	SART3	Q15020	-	+	DSIMT**RG**NAKYA, KKKKI**RG**PEK**RG**ADEDD, PIFSN**RG**DF**RG**YCYVE, QTYGA**RG**KGRTQ
Stress-70 protein, mitochondrial precursor	GRP75	P38646	-	-	GAAAS**RG**PTAAR, IPPAP**RG**VPQIE
Structural maintenance of chromosomes protein 3	SMC3	Q9UQE7	-	-	KEKEE**RG**IARLA, YAKQG**RG**SQFTS, DQVSH**RG**ALTGG, QEELD**RG**YKSIM, SGESE**RG**SGSQS
Structural maintenance of chromosomes protein 4	SMC4	Q9NTJ3	-	-	ILNEH**RG**EKLNR, AMNRS**RG**KVLDA
Succinyl-CoA ligase [GDP-forming] beta-chain	SUCB2	Q96I99	-	-	ILAGG**RG**KGVFN
Sucrose nonfermenting protein 2 homolog	SMCA5	O60264	+	-	RDYQV**RG**LNWLI, DGILE**RG**AKKTA, MAQIE**RG**EARIQ, AEKKK**RG**PKPST, GAPDG**RG**RKKKL
Superkiller viralicidic activity 2-like 2	SK2L2	P42285	+	+	RSMLY**RG**SEVMR, MRDSE**RG**VVWEE, LPLLK**RG**IGIHH, GRAGR**RG**MDD**RG**IVILM
Suppressor of SWI4 1 homolog	SSF1	Q9NQ55	-	-	SFVFT**RG**CTGRN, PVGAS**RG**MKKLL, QAVAG**RG**NMRAQ, RWEMD**RGRG**RLCDQ, GAQAR**RG**P**RG**ASRDG, SRDGG**RGRGRG**RPGKR
Surfeit locus protein 6	SURF6	O75683	+	+	KIQEA**RG**QGSAK, RLDEL**RG**QDEGK
Target of EGR1 protein 1	TOE1	Q96GM8	+	+	-
T-complex protein 1 subunit alpha	TCPA	P17987	-	-	KYTDI**RG**QPRYP, ASIIL**RG**ANDFM
T-complex protein 1 subunit beta	TCPB	P78371	-	-	CTIVL**RG**ATQQI
T-complex protein 1 subunit delta	TCPD	P50991	-	-	GAAGG**RG**KGAYQ, VTIVV**RG**SNKLV
T-complex protein 1 subunit eta	TCPH	Q99832	-	-	TTLGP**RG**MDKLI, LIVDG**RG**KATIS, CTFIL**RG**GAEQF, PTAAG**RGRGRG**RP
T-complex protein 1 subunit gamma	TCPG	P49368	-	-	DSCVL**RG**VMINK, CTILL**RG**ASKEI
T-complex protein 1 subunit theta	TCPQ	P50990	-	-	STIVL**RG**STDNL
Thyroid receptor-interacting protein 13	TRP13	Q15645	-	-	VEVHQ**RG**SSTAK
Transcriptional activator protein Pur-alpha	PURA	Q00577	+	-	LKENQ**RG**RFLRI, RQTVN**RG**PGLGS
Transcriptional activator protein Pur-beta	PURB	Q96QR8	+	-	DSGSE**RG**GGGGP, FQPAS**RG**GGEQE, LKENQ**RG**RFLRI, RQTVN**RG**GGGFG, KLYER**RG**GGSGG
Translation initiation factor eIF-2B subunit delta	EI2BD	Q9UI10	-	-	DLQCK**RG**EHVAL
Tripartite motif-containing protein 25	TRI25	Q14258	-	-	KASKL**RG**ISTKP
Tripartite motif-containing protein 56	TRI56	Q9BRZ2	-	-	GPQPH**RG**GRPNK, GGKAS**RG**LRALV
tRNA (cytosine-5-)-methyltransferase NSUN2	NSUN2	Q08J23	-	+	MGRRS**RG**RRLQQ, EGGGK**RG**EAGWE, LRIAT**RG**AEQLA, VLCGW**RG**KASIR
Tubulin alpha-1A chain	TBA1A	Q71U36	-	-	ANNYA**RG**HYTIG, CCLLY**RG**DVVPK
Tubulin alpha-4A chain	TBA4A	P68366	-	-	ANNYA**RG**HYTIG, CCLLY**RG**DVVPK
Tubulin beta-2C chain	TBB2C	P68371	-	-	APLTS**RG**SQQYR, VAAVF**RG**RMSMK, CDIPP**RG**LKMSA
Tuftelin-interacting protein 11	TFP11	Q9UBB9	-	-	GYVPG**RG**LGKNA, ENMAQ**RG**IGVAA, VIYID**RG**VVFVQ
U1 small nuclear ribonucleoprotein 70 kDa	RU17	P08621	-	+	RSGKP**RG**YAFIE, LVDVE**RG**RTVKG, LGGTR**RG**GADVN, RKEEL**RG**GGGDM, DREHK**RG**ERGSE**RG**RDEA**RG**GGGGQ
U1 small nuclear ribonucleoprotein A	SNRPA	P09012	-	+	RSLKM**RG**QAFVI
U2 small nuclear ribonucleoprotein A'	RU2A	P09661	-	+	RELDL**RG**YKIPV, MFKGK**RG**AQLAK
U2 small nuclear ribonucleoprotein B''	RU2B	P08579	-	+	KTMKM**RG**QAFVI, IISKM**RG**TFADK
U3 small nucleolar ribonucleoprotein protein IMP4	IMP4	Q96G21	-	-	AQRMN**RG**RHEVG, VVHEH**RG**TPVGL
U4/U6 small nuclear ribonucleoprotein Prp3	PRPF3	O43395	-	-	-
U4/U6 small nuclear ribonucleoprotein Prp4	PRP4	O43172	-	-	LLHTLRGHNTNV
U5 small nuclear ribonucleoprotein 200 kDa helicase	U520	O75643	+	+	LLHDD**RG**PVLEA, EIVLN**RG**WAQLT, AKTKV**RG**LIEII
Uncharacterized protein C1orf156	CA156	O95568	-	-	-
UPF0027 protein C22orf28	CV028	Q9Y3I0	-	-	LRNAC**RG**GGVGG, ARAKK**RG**LPQLG, IHSGS**RG**LGHQV
UPF0384 protein CGI-117	U384	Q9Y3C1	-	-	-
Zinc finger CCCH type antiviral protein 1	ZCC2	Q7Z2W4	-	+	CDHFT**RG**NCRFP, YQSCP**RG**VVPFQ, VQQMK**RG**PDHQP
Zinc finger CCCH-type with G patch domain-containing protein	ZGPAT	Q8N5A5	+	-	APAAA**RG**SGSET, WEVHT**RG**IGSRL, AVVLP**RG**KSLDQ, KPPRC**RGRG**ARPGG
Zinc finger CCHC domain-containing protein 8	ZCHC8	Q6NZY4	+	+	NISTP**RG**IPDEW, TPPLP**RG**TPPPV

total: 389 identified proteins, 216 nucleic acids-binding proteins, 87 identified proteins without RG-box motive