

Table S1 RBP Domains. Domain, abbreviation, group, *C.elegans* examples, example protein homologs, reference

Domain	Abbrev.	Group	<i>C.elegans</i> examples	Example protein homologs	Publications
RNA recognition motif	RRM	1	FOX-1 RNP-8	<i>H. sapiens</i> PABP, hnRNP C	Adams et al., 1986; Swanson et al., 1987; Kim et al., 2010
K homology (KH)	KH	1	MEX-3 GLD-1	<i>H. sapiens</i> hnRNP K	Siomi et al., 1993; Pagano et al., 2009; Ryder et al., 2004; Wright et al., 2010
Pumilio/FBF	PUF	1	FBF-1/2	<i>D. melanogaster</i> Pumilio	Zamore et al., 1997; Zhang et al., 1997; Bernstein et al., 2005
CCCH zinc finger	ZF_CCCH	1	POS-1 MEX-5	<i>H. sapiens</i> TTP	Carballo et al., 1998; Pagano et al., 2007; Farley et al., 2008
CCHC zinc finger	ZF_CCHC	1	LIN-28	<i>H. sapiens</i> Lin28	Balzer and Moss, 2007
Double stranded RNA binding domain	DSRBD	1	ADR-1, -2	<i>H. sapiens</i> Adar1, Adar2	Tian et al., 2004; Furic et al., 2008; Stefl et al., 2010
RGG box	RGG	1	PGL-1	<i>H. sapiens</i> hnRNP U, FMRP	Kiledjian and Dreyfuss, 1992; Ashley et al., 1993; Siomi et al., 1993
La	La	1	LARP-1 LARP-5	<i>H. sapiens</i> La	Nykamp et al., 2008; Intine et al., 2003
RNA Helicase	HEL	2	GLH-1	<i>D. melanogaster</i> VAS	Jankowsky, 2010
PAZ, PIWI, Argonautes	PAZ,PIWI	2	ALG-1 CSR-1	<i>D. melanogaster</i> PIWI	Yan et al., 2003; Kaymak et al., 2010; Cenik and Zamore, 2011
Nuclear transport factor 2	NTF2	2	NXF-2		JR Williamson (personal communication)
C2H2 zinc finger	ZF_C2H2	3	MEP-1	<i>X. laevis</i> TFIIIA	Hall, 2005; Lu et al., 2003; Belfiore et al., 2002
Sterile alpha motif	SAM	3	BCC-1	<i>D. melanogaster</i> Smaug, <i>S. cerevisiae</i> Vts1	Green et al., 2003; Aviv et al., 2003, Aviv et al., 2006
Cold shock	CSD	3	CEY-1 LIN-28	<i>H. sapiens</i> Unr	Triqueneaux et al, 1999
General factors: Translation factors, tRNA proteins, Ribosomal proteins, Ribonucleases	GF	4	IFE-4 EXO-1	<i>H. sapiens</i> eIF4G, <i>S. cerevisiae</i> Ccr4, Xrn1	Rhoads et al., 2006; Garneau et al., 2007
Sm/Lsm	Sm	4	CAR-1	<i>S. cerevisiae</i> Lsm1, Lsm2	He and Parker, 2000