

Name	Nb aa	MW (kDa)	Access Number (P)	Organism Species	Identity	Tissue Chr Gene locus	Function
AalbRBPFOX1	671	67.0	XP_062709901	<i>Aedes albopictus</i>	RNA-binding protein fox-1 homolog 1 isoform X8	Adult male, whole body Chr2 LOC109419707	Splicing regulation (via GCAUG)
AdarRBP	405	43.7	ETN67466 XP_049529535	<i>Anopheles darlingi</i>	RNA-binding protein Cleavage stimulation factor	Chr2	RNA recognition motif Transcription termination
ARS-RBPYhbY	97	10.8	RXK34257 WP_032114384	<i>Arsenophonus</i> Multispecies Bacteria γ -proteobacteria Enterobacterales	RNA-binding protein YhbY	Cytoplasm Endosymbiont of <i>B. tabaci</i> Bacteriocyte	RNA binding Preribosome binding Ribosome assembly*
AsinRBP	64	7.2	KFB40836	<i>An. sinensis</i>	RNA-binding protein	ZHAS_0008365	RNA binding
BmorRBP1	142	16.7	XP_012547769	<i>Bombyx mori</i>	RNA-binding protein-1 isoform X2	Chr15 Gene Rbp1 733053	RNA binding
BtabRBP15	251	28.0	UYF10700 XP_018914255	<i>Bemisia tabaci</i>	RNA-binding protein 15	Adult, whole body	RNA motif-binding
MturRBP	80	8.4	WP_086153840	<i>Mycobacterium Tuberculosis</i> Bacteria Actinomycetes Mycobacteriales	RNA-binding protein		Nucleotide binding
NOC-RBP	80	8.3	MBO08556625 WP_040708791 WP_067514134	<i>Nocardia</i> Multispecies Bacteria Actinomycetes Mycobacteriales	RNA-binding protein	Termitarium metagenome	Nucleotide binding
TcasRBPFOX1	178	18.8	KYB27196 XP_008193531 XP_008193529	<i>Tribolium castaneum</i>	RNA-binding protein fox-1 homolog 3-like	LOC655682	RNA motif-Nucleotide binding

Table S4. Sequences of RNA-binding proteins (RBPs) used in PAUP-tree for molecular comparisons with 4CSP and other intracellular proteins. 4CSP-related intracellular proteins are: CWP, Rho, SamkC, Sec31, TIF, WAS-WASL, and DBPs.

* Associated with the pre-50S ribosome subunit in ribosome assembly, required for optimal growth but not for cell viability.