

S2. A snapshot of HTML table generated by APRICOT to list the resulting RBPs with statistical values of different parameters and annotations, please see the video tutorial (Part-9) as well for the explanation.



S2 (A) The annotation of proteins retrieved from UniProt Knowledgebase which lists information like length of protein, gene names, Gene Ontology, cross-reference to EMBL, PDB, KEGG etc.

Show 10 entries

Entry	Entry name	Protein names	Organism	Length	Gene names
P26599	PTBP1_HUMAN	Polypyrimidine tract-binding protein 1 (PTB) (57 kDa RNA-binding protein PPTB-1) (Heterogeneous nuclear ribonucleoprotein I) (hnRNP I)	Homo sapiens (Human)	531	PTBP1 PTB
P26599	PTBP1_HUMAN	Polypyrimidine tract-binding protein 1 (PTB) (57 kDa RNA-binding protein PPTB-1) (Heterogeneous nuclear ribonucleoprotein I) (hnRNP I)	Homo sapiens (Human)	531	PTBP1 PTB

Search:

Existence-Type	GO	EMBL-ID	PDB-ID	KEGG-ID
evidence at protein level	'GO:0070062->C:extracellular exosome', 'GO:0016020->C:membrane', 'GO:0005730->C:nucleolus', 'GO:0005654->C:nucleoplasm', 'GO:0000166->F:nucleotide binding', 'GO:0044822->F:poly(A) RNA binding', 'GO:0008380->P:RNA splicing'	X62006	1QM9	hsa:5725
evidence at protein level	'GO:0070062->C:extracellular exosome', 'GO:0016020->C:membrane', 'GO:0005730->C:nucleolus', 'GO:0005654->C:nucleoplasm', 'GO:0000166->F:nucleotide binding', 'GO:0044822->F:poly(A) RNA binding', 'GO:0008380->P:RNA splicing'	X62006	1QM9	hsa:5725

S2 (B) The annotation of the domain entries selected by APRICOT consisting of the information like resource of domain entry, domain id, name, the user-provided term that selected this domain, another member in the domain database with similar motif, length of domain, the start and end location in the query protein indicating the region where the domain was detected.

Resource	ResourceID	DomainID	ShortName	FullName	DomainKeyword
CDD	249565	PF00076	RRM_1	1 RNA recognition motif. (a.k.a. RRM, RBD, or RNP domain). The RRM motif is probably diagnostic of an RNA binding protein.	RNA-bind, RRM
CDD	273733	TIGR01649	HnRNP-L/PTB/hephaestus splicing factor	Included in this family of heterogeneous ribonucleoproteins are PTB (polypyrimidine tract binding protein) and hnRNP-L. These proteins contain four RNA recognition motifs.	RNA-bind

DomainGo	Members	DomainLength	Start	Stop
mf:GO:0003676 [nucleic acid binding]	NA	70	458	517
mf:GO:0003723 [RNA binding].bp:GO:0006397 [mRNA processing].cc:GO:0005634 [nucleus]	NA	481	57	531

S2 (C) The statistical result of the domain predicted by APRICOT analysis, comprising of the values for different parameters like E-values, bit-scores, domain coverage, residue identity, sequence similarity, gap and their values in percentage. It also tags each domain entries with 'ParameterSelected' if it passes or 'ParameterDiscarded' if it does not pass the parameter cut-offs (default or if defined by the users).

E-value	BitScore	Bits	DomainCoverage	CoveragePercent	Identity	IdentityPercent
0.001	38.4 bits (90)	38.4	59	84.2857	20/63 (31%)	28.5714
0.0	648 bits (1674)	648	474	98.5447	254/515 (49%)	52.8067

Similarity	SimilarityPercent	Gaps	GapPercent	ParameterFilterTag
32/63 (50%)	45.7143	3/63 (4%)	4.2857	ParameterSelected
315/515 (61%)	65.4886	74/515 (14%)	15.3846	ParameterSelected