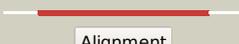
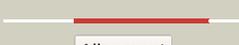
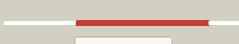
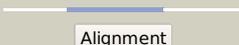
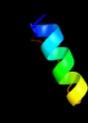
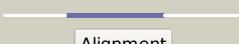
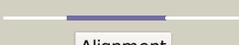
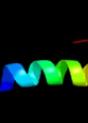
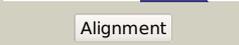


Phyre2

Email mdejesus@rockefeller.edu
 Description RVBD0055_(rpsR_59119_59373)
 Date Tue Jul 23 14:50:08 BST 2019
 Unique Job ID 58dcab322dc08309

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c3j0xU_	 Alignment		100.0	42	PDB header: ribosome Chain: U: PDB Molecule: 30s ribosomal protein s18; PDBTitle: structural characterization of mrna-trna translocation intermediates2 (30s ribosome of class 4b of the six classes)
2	c5o5jR_	 Alignment		100.0	92	PDB header: ribosome Chain: R: PDB Molecule: 30s ribosomal protein s18 2; PDBTitle: structure of the 30s small ribosomal subunit from mycobacterium2 smegmatis
3	c6dzkr_	 Alignment		100.0	54	PDB header: ribosome Chain: R: PDB Molecule: PDBTitle: cryo-em structure of mycobacterium smegmatis c(minus) 30s ribosomal2 subunit with mpy
4	c5aj3p_	 Alignment		100.0	26	PDB header: ribosome Chain: P: PDB Molecule: mitoribosomal protein bs16m, mrps16; PDBTitle: structure of the small subunit of the mammalian mitoribosome
5	c3j6vR_	 Alignment		100.0	29	PDB header: ribosome Chain: R: PDB Molecule: 28s ribosomal protein s18a, mitochondrial; PDBTitle: cryo-em structure of the small subunit of the mammalian mitochondrial2 ribosome
6	d1i94r_	 Alignment		99.9	33	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Ribosomal protein S18 Family: Ribosomal protein S18
7	c5aj3R_	 Alignment		99.9	31	PDB header: ribosome Chain: R: PDB Molecule: mitoribosomal protein bs18m, mrps18c; PDBTitle: structure of the small subunit of the mammalian mitoribosome
8	d2uubr1	 Alignment		99.9	36	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Ribosomal protein S18 Family: Ribosomal protein S18
9	c3bbnR_	 Alignment		99.9	42	PDB header: ribosome Chain: R: PDB Molecule: ribosomal protein s18; PDBTitle: homology model for the spinach chloroplast 30s subunit fitted to 9.4a2 cryo-em map of the 70s chlororibosome.
10	d2qalr1	 Alignment		99.9	49	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Ribosomal protein S18 Family: Ribosomal protein S18
11	c3df1R_	 Alignment		99.9	49	PDB header: ribosome Chain: R: PDB Molecule: 30s ribosomal protein s18; PDBTitle: crystal structure of the bacterial ribosome from escherichia coli in2 complex with hygromycin b. this file contains the 30s subunit of the3 first 70s ribosome, with hygromycin b bound. the entire crystal4 structure contains two 70s ribosomes.

12	d1g1xc_		Alignment		99.8	41	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Ribosomal protein S18 Family: Ribosomal protein S18
13	c6drdA_		Alignment		21.6	28	PDB header: transferase Chain: A; PDB Molecule: dna-directed rna polymerase ii subunit rpb1; PDBTitle: rna pol ii(g)
14	c2aamA_		Alignment		21.3	15	PDB header: hydrolase Chain: A; PDB Molecule: hypothetical protein tm1410; PDBTitle: crystal structure of a putative glycosidase (tm1410) from thermotoga2 maritima at 2.20 a resolution
15	d2aama1		Alignment		21.3	15	Fold: TIM beta/alpha-barrel Superfamily: (Trans)glycosidases Family: TM1410-like
16	c2wb1Y_		Alignment		18.0	15	PDB header: transcription Chain: Y; PDB Molecule: dna-directed rna polymerase rpo1c subunit; PDBTitle: the complete structure of the archaeal 13-subunit dna-2 directed rna polymerase
17	c2pmzG_		Alignment		17.3	14	PDB header: translation, transferase Chain: G; PDB Molecule: dna-directed rna polymerase subunit a"; PDBTitle: archaeal rna polymerase from sulfolobus solfataricus
18	c5tcbA_		Alignment		15.9	21	PDB header: hydrolase Chain: A; PDB Molecule: pela; PDBTitle: structure of the glycoside hydrolase domain of pela from pseudomonas2 aeruginosa
19	d1wiia_		Alignment		14.4	41	Fold: Rubredoxin-like Superfamily: Zinc beta-ribbon Family: Putative zinc binding domain
20	c2k6xA_		Alignment		13.7	14	PDB header: transcription Chain: A; PDB Molecule: rna polymerase sigma factor rpod; PDBTitle: autoregulation of a group 1 bacterial sigma factor involves2 the formation of a region 1.1- induced compacted structure
21	c3h0gA_		Alignment	not modelled	13.2	24	PDB header: transcription Chain: A; PDB Molecule: dna-directed rna polymerase ii subunit rpb1; PDBTitle: rna polymerase ii from schizosaccharomyces pombe
22	c4epoL_		Alignment	not modelled	13.0	21	PDB header: protein binding/ligase Chain: L; PDB Molecule: e3 ubiquitin-protein ligase rnf8; PDBTitle: crystal structure of rnf8 bound to the ubc13/mms2 heterodimer
23	d1twfa_		Alignment	not modelled	10.4	18	Fold: beta and beta-prime subunits of DNA dependent RNA-polymerase Superfamily: beta and beta-prime subunits of DNA dependent RNA-polymerase Family: RNA-polymerase beta-prime
24	c4om3D_		Alignment	not modelled	9.6	32	PDB header: transcription, dna binding Chain: D; PDB Molecule: transducin-like enhancer protein 1; PDBTitle: crystal structure of human tie1 q-domain residues 20-156
25	c4qiWC_		Alignment	not modelled	9.4	17	PDB header: transcription Chain: C; PDB Molecule: dna-directed rna polymerase subunit a"; PDBTitle: crystal structure of euryarchaeal rna polymerase from thermococcus2 kodakarensis
26	d3orca_		Alignment	not modelled	9.4	21	Fold: lambda repressor-like DNA-binding domains Superfamily: lambda repressor-like DNA-binding domains Family: Phage repressors
27	c1d2vD_		Alignment	not modelled	8.0	22	PDB header: oxidoreductase Chain: D; PDB Molecule: myeloperoxidase; PDBTitle: crystal structure of bromide-bound human myeloperoxidase isoform c at2 ph 5.5
28	c4zemB_		Alignment	not modelled	7.7	17	PDB header: translation Chain: B; PDB Molecule: translation initiation factor eif2b-like protein, PDBTitle: crystal structure of eif2b beta from chaetomium

						thermophilum
29	c2ma6A_	Alignment	not modelled	7.5	20	PDB header: ligase Chain: A: PDB Molecule: e3 ubiquitin-protein ligase rnf123; PDBTitle: solution nmr structure of the ring finger domain from the kip12 ubiquitination-promoting e3 complex protein 1 (kpc1/rnf123) from homo3 sapiens, northeast structural genomics consortium (nesg) target4 hr8700a
30	c6ercA_	Alignment	not modelled	6.6	16	PDB header: oxidoreductase Chain: A: PDB Molecule: peroxinectin a; PDBTitle: peroxidase a from dictyostelium discoideum (ddpoxa)
31	c6i7tB_	Alignment	not modelled	6.5	24	PDB header: translation Chain: B: PDB Molecule: translation initiation factor eif-2b subunit alpha; PDBTitle: eif2b:eif2 complex
32	c6gmIA_	Alignment	not modelled	6.5	24	PDB header: transcription Chain: A: PDB Molecule: dna-directed rna polymerase subunit; PDBTitle: structure of paused transcription complex pol ii-dsif-nelf
33	c2pijB_	Alignment	not modelled	6.1	24	PDB header: transcription Chain: B: PDB Molecule: prophage pfl 6 cro; PDBTitle: structure of the cro protein from prophage pfl 6 in pseudomonas2 fluorescens pf-5
34	d1lrza2	Alignment	not modelled	5.9	33	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: FemXAB nonribosomal peptidyltransferases
35	d1q4ga1	Alignment	not modelled	5.7	29	Fold: Heme-dependent peroxidases Superfamily: Heme-dependent peroxidases Family: Myeloperoxidase-like
36	c5tbzD_	Alignment	not modelled	5.6	9	PDB header: transcription/rna Chain: D: PDB Molecule: dna-directed rna polymerase subunit beta'; PDBTitle: e. coli rna polymerase complexed with nusg
37	c1i6hA_	Alignment	not modelled	5.4	18	PDB header: transcription/dna-rna hybrid Chain: A: PDB Molecule: dna-directed rna polymerase ii largest subunit; PDBTitle: rna polymerase ii elongation complex
38	c5tw1E_	Alignment	not modelled	5.4	20	PDB header: transcription activator/transferase/dna Chain: E: PDB Molecule: dna-directed rna polymerase subunit omega; PDBTitle: crystal structure of a mycobacterium smegmatis transcription2 initiation complex with rbpa
39	d2nn6c2	Alignment	not modelled	5.3	15	Fold: Ribonuclease PH domain 2-like Superfamily: Ribonuclease PH domain 2-like Family: Ribonuclease PH domain 2-like
40	c5b04C_	Alignment	not modelled	5.3	21	PDB header: translation Chain: C: PDB Molecule: probable translation initiation factor eif-2b subunit beta; PDBTitle: crystal structure of the eukaryotic translation initiation factor 2b2 from schizosaccharomyces pombe
41	d4croa_	Alignment	not modelled	5.3	21	Fold: lambda repressor-like DNA-binding domains Superfamily: lambda repressor-like DNA-binding domains Family: Phage repressors
42	d2ba0g2	Alignment	not modelled	5.2	9	Fold: Ribonuclease PH domain 2-like Superfamily: Ribonuclease PH domain 2-like Family: Ribonuclease PH domain 2-like
43	c3ecsD_	Alignment	not modelled	5.1	20	PDB header: translation Chain: D: PDB Molecule: translation initiation factor eif-2b subunit alpha; PDBTitle: crystal structure of human eif2b alpha