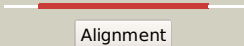
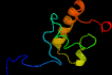
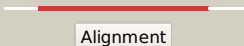

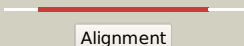







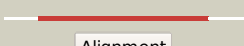











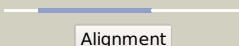
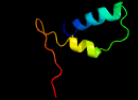
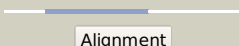
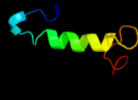
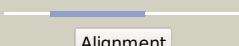
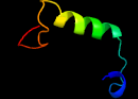
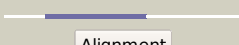

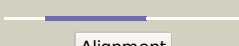
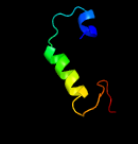
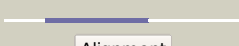


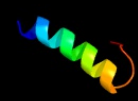

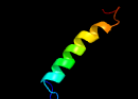
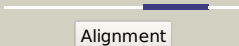
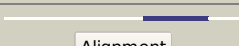
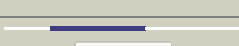
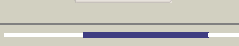
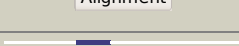
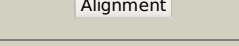
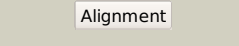

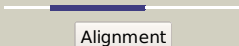


Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD2055c_(rpsR)_2314095_2314361
Date	Mon Aug 5 13:25:16 BST 2019
Unique Job ID	da03f3469ed3bb27

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c3j0xU_			100.0	39	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	c6dzkr_			100.0	68	PDB header: ribosome Chain: R: PDB Molecule: PDBTitle: cryo-em structure of mycobacterium smegmatis c(minus) 30s ribosomal2 subunit with mpy
3	c5o5jR_			100.0	55	PDB header: ribosome Chain: R: PDB Molecule: 30s ribosomal protein s18 2; PDBTitle: structure of the 30s small ribosomal subunit from mycobacterium2 smegmatis
4	d1i94r_			99.9	33	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Ribosomal protein S18 Family: Ribosomal protein S18
5	c5aj3p_			99.9	28	PDB header: ribosome Chain: P: PDB Molecule: mitoribosomal protein bs16m, mrps16; PDBTitle: structure of the small subunit of the mammalian mitoribosome
6	d2uubr1			99.9	33	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Ribosomal protein S18 Family: Ribosomal protein S18
7	c3j6vR_			99.9	25	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
8	c5aj3R_			99.9	35	PDB header: ribosome Chain: R: PDB Molecule: mitoribosomal protein bs18m, mrps18c; PDBTitle: structure of the small subunit of the mammalian mitoribosome
9	d2qalr1			99.9	47	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Ribosomal protein S18 Family: Ribosomal protein S18
10	c3df1R_			99.9	47	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.
11	c3bbnR_			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.

12	d1g1xc_	 Alignment		99.8	41	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Ribosomal protein S18 Family: Ribosomal protein S18
13	c6drdA_	 Alignment		29.7	25	PDB header: transferase Chain: A: PDB Molecule: dna-directed rna polymerase ii subunit rpb1; PDBTitle: rna pol ii(g)
14	c2pmzG_	 Alignment		25.8	24	PDB header: translation, transferase Chain: G: PDB Molecule: dna-directed rna polymerase subunit a''; PDBTitle: archaeal rna polymerase from sulfolobus solfataricus
15	c2wb1Y_	 Alignment		23.1	23	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
16	c3h0gA_	 Alignment		14.3	24	PDB header: transcription Chain: A: PDB Molecule: dna-directed rna polymerase ii subunit rpb1; PDBTitle: rna polymerase ii from schizosaccharomyces pombe
17	d1twfa_	 Alignment		12.3	27	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
18	c4qiWC_	 Alignment		10.3	24	PDB header: transcription Chain: C: PDB Molecule: dna-directed rna polymerase subunit a''; PDBTitle: crystal structure of euryarchaeal rna polymerase from thermococcus2 kodakarensis
19	c2k6xA_	 Alignment		9.8	18	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
20	d1r5ta_	 Alignment		8.3	27	Fold: Cytidine deaminase-like Superfamily: Cytidine deaminase-like Family: Cytidine deaminase
21	d2aama1	 Alignment	not modelled	8.2	12	Fold: TIM beta/alpha-barrel Superfamily: (Trans)glycosidases Family: TM1410-like
22	c2aamA_	 Alignment	not modelled	8.2	12	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
23	c6gmIA_	 Alignment	not modelled	7.8	23	PDB header: transcription Chain: A: PDB Molecule: dna-directed rna polymerase subunit; PDBTitle: structure of paused transcription complex pol ii-dsif-nelf
24	d1eaka1	 Alignment	not modelled	7.8	12	Fold: PGBD-like Superfamily: PGBD-like Family: MMP N-terminal domain
25	c4n3xD_	 Alignment	not modelled	7.3	30	PDB header: endocytosis Chain: D: PDB Molecule: rab5 gdp/gtp exchange factor; PDBTitle: crystal structure of rabex-5 cc domain
26	c2aghC_	 Alignment	not modelled	7.1	36	PDB header: transcription Chain: C: PDB Molecule: zinc finger protein hrx; PDBTitle: structural basis for cooperative transcription factor2 binding to the cbp coactivator
27	d1l6ja1	 Alignment	not modelled	6.9	23	Fold: PGBD-like Superfamily: PGBD-like Family: MMP N-terminal domain
28	c5tbzD_	 Alignment	not modelled	6.7	14	PDB header: transcription/rna Chain: D: PDB Molecule: dna-directed rna polymerase subunit beta'; PDBTitle: e. coli rna polymerase complexed with nusg
		 Alignment				PDB header: transcription activator/transferase/dna Chain: E: PDB Molecule: dna-directed rna polymerase subunit

29	c5tw1E_	Alignment	not modelled	6.6	25	omega; PDBTitle: crystal structure of a mycobacterium smegmatis transcription2 initiation complex with rbpA
30	c1i6hA_	Alignment	not modelled	6.4	26	PDB header: transcription/dna-rna hybrid Chain: A; PDB Molecule: dna-directed rna polymerase ii largest subunit; PDBTitle: rna polymerase ii elongation complex
31	c5flmA_	Alignment	not modelled	6.0	23	PDB header: transcription Chain: A; PDB Molecule: dna-directed rna polymerase; PDBTitle: structure of transcribing mammalian rna polymerase ii
32	c4dx94_	Alignment	not modelled	5.9	20	PDB header: protein binding Chain: 4; PDB Molecule: integrin beta-1-binding protein 1; PDBTitle: icap1 in complex with integrin beta 1 cytoplasmic tail
33	d2c4ka1	Alignment	not modelled	5.6	33	Fold: PRTase-like Superfamily: PRTase-like Family: Phosphoribosylpyrophosphate synthetase-like
34	c5fjaA_	Alignment	not modelled	5.6	23	PDB header: transcription Chain: A; PDB Molecule: dna-directed rna polymerase iii subunit rpc1; PDBTitle: cryo-em structure of yeast rna polymerase iii at 4.7 a
35	c5tcbA_	Alignment	not modelled	5.3	9	PDB header: hydrolase Chain: A; PDB Molecule: pela; PDBTitle: structure of the glycoside hydrolase domain of pela from pseudomonas2 aeruginosa
36	c6dcfD_	Alignment	not modelled	5.1	19	PDB header: transcription/dna/antibiotic Chain: D; PDB Molecule: dna-directed rna polymerase subunit beta'; PDBTitle: crystal structure of a mycobacterium smegmatis transcription2 initiation complex with rifampicin-resistant rna polymerase and bound3 to kanglemycin a