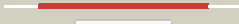
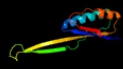


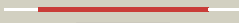
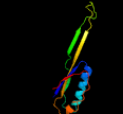

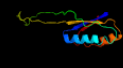

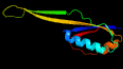



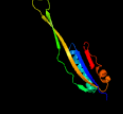

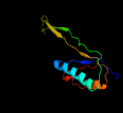

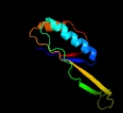

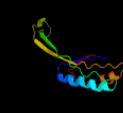




Phyre2

Email mdejesus@rockefeller.edu
 Description RVBD0700_(rpsj)_800490_800795
 Date Fri Jul 26 01:50:27 BST 2019
 Unique Job ID 9e945d9f431fd548

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c5o5jl_	 Alignment		100.0	98	PDB header: ribosome Chain: J; PDB Molecule: 30s ribosomal protein s10; PDBTitle: structure of the 30s small ribosomal subunit from mycobacterium2 smegmatis
2	d2qalj1	 Alignment		100.0	61	Fold: Ferredoxin-like Superfamily: Ribosomal protein S10 Family: Ribosomal protein S10
3	d2uubj1	 Alignment		100.0	58	Fold: Ferredoxin-like Superfamily: Ribosomal protein S10 Family: Ribosomal protein S10
4	c3bbnj_	 Alignment		100.0	53	PDB header: ribosome Chain: J; PDB Molecule: ribosomal protein s10; PDBTitle: homology model for the spinach chloroplast 30s subunit fitted to 9.4a2 cryo-em map of the 70s chlororibosome.
5	c3zeyQ_	 Alignment		100.0	19	PDB header: ribosome Chain: Q; PDB Molecule: ribosomal protein s20, putative; PDBTitle: high-resolution cryo-electron microscopy structure of the trypanosoma2 brucei ribosome
6	c3j20L_	 Alignment		100.0	35	PDB header: ribosome Chain: L; PDB Molecule: 30s ribosomal protein s10p; PDBTitle: promiscuous behavior of proteins in archaeal ribosomes revealed by2 cryo-em: implications for evolution of eukaryotic ribosomes (30s3 ribosomal subunit)
7	c2xznj_	 Alignment		100.0	27	PDB header: ribosome Chain: J; PDB Molecule: ribosomal protein s10 containing protein; PDBTitle: crystal structure of the eukaryotic 40s ribosomal2 subunit in complex with initiation factor 1. this file3 contains the 40s subunit and initiation factor for4 molecule 2
8	c3j6vj_	 Alignment		100.0	25	PDB header: ribosome Chain: J; PDB Molecule: 28s ribosomal protein s10, mitochondrial; PDBTitle: cryo-em structure of the small subunit of the mammalian mitochondrial2 ribosome
9	c2zkaj_	 Alignment		100.0	25	PDB header: ribosomal protein/rna Chain: J; PDB Molecule: PDBTitle: structure of a mammalian ribosomal 40s subunit within an 80s complex2 obtained by docking homology models of the rna and proteins into an3 8.7 a cryo-em map
10	c1s1hj_	 Alignment		100.0	29	PDB header: ribosome Chain: J; PDB Molecule: 40s ribosomal protein s20; PDBTitle: structure of the ribosomal 80s-eef2-sordarin complex from yeast2 obtained by docking atomic models for rna and protein components into3 a 11.7 a cryo-em map. this file, 1s1h, contains 40s subunit. the 60s4 ribosomal subunit is in file 1s1i.
11	c3iz6j_	 Alignment		100.0	26	PDB header: ribosome Chain: J; PDB Molecule: 40s ribosomal protein s20 (s10p); PDBTitle: localization of the small subunit ribosomal proteins into a 5.5 a2 cryo-em map of triticum aestivum translating 80s ribosome

12	c5xyiU	Alignment		100.0	24	PDB header: ribosome Chain: U: PDB Molecule: ribosomal protein s10p/s20e, putative; PDBTitle: small subunit of trichomonas vaginalis ribosome
13	c4v1ak	Alignment		99.9	20	PDB header: ribosome Chain: K: PDB Molecule: PDBTitle: structure of the large subunit of the mammalian mitoribosome, part 22 of 2
14	c2mewA	Alignment		99.9	70	PDB header: structural protein Chain: A: PDB Molecule: 30s ribosomal protein s10; PDBTitle: solution structure of nuse (s10) from thermotoga maritima
15	c3r2cj	Alignment		99.9	57	PDB header: transcription/rna Chain: J: PDB Molecule: 30s ribosomal protein s10; PDBTitle: crystal structure of antitermination factors nusB and nuse in complex2 with boxA rna
16	c3j7yf	Alignment		99.3	17	PDB header: ribosome Chain: F: PDB Molecule: ul4; PDBTitle: structure of the large ribosomal subunit from human mitochondria
17	d1xbpg1	Alignment		35.4	29	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Ribosomal protein L11, C-terminal domain Family: Ribosomal protein L11, C-terminal domain
18	c3cjqB	Alignment		27.6	38	PDB header: transferase/ribosomal protein Chain: B: PDB Molecule: 50s ribosomal protein l11; PDBTitle: ribosomal protein l11 methyltransferase (prma) in complex with2 dimethylated ribosomal protein l11 in space group p212121
19	c4hub1	Alignment		21.1	24	PDB header: ribosome Chain: I: PDB Molecule: 50s ribosomal protein l11p; PDBTitle: the re-refined crystal structure of the haloarcula marismortui large2 ribosomal subunit at 2.4 angstrom resolution: more complete structure3 of the l7/l12 and l1 stalk, l5 and lx proteins
20	c5colB	Alignment		19.5	19	PDB header: translation Chain: B: PDB Molecule: 50s ribosomal protein l11; PDBTitle: ribosomal protein l11 from methanococcus jannaschii
21	d1fnoa3	Alignment	not modelled	18.7	21	Fold: Ferredoxin-like Superfamily: Bacterial exopeptidase dimerisation domain Family: Bacterial exopeptidase dimerisation domain
22	d1hc8a	Alignment	not modelled	16.9	37	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Ribosomal protein L11, C-terminal domain Family: Ribosomal protein L11, C-terminal domain
23	d1mmsa1	Alignment	not modelled	16.8	26	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Ribosomal protein L11, C-terminal domain Family: Ribosomal protein L11, C-terminal domain
24	c3ai4A	Alignment	not modelled	15.7	23	PDB header: fluorescent protein, replication protein,dna polymerase Chain: A: PDB Molecule: yeast enhanced green fluorescent protein PDBTitle: crystal structure of yeast enhanced green fluorescent protein - mouse2 polymerase iota ubiquitin binding motif fusion protein
25	c3j39K	Alignment	not modelled	15.5	19	PDB header: ribosome Chain: K: PDB Molecule: 60s ribosomal protein l12; PDBTitle: structure of the d. melanogaster 60s ribosomal proteins
26	c1s1iK	Alignment	not modelled	14.9	21	PDB header: ribosome Chain: K: PDB Molecule: 60s ribosomal protein l12; PDBTitle: structure of the ribosomal 80s-eef2-sordarin complex from yeast2 obtained by docking atomic models for rna and protein components into3 a 11.7 a cryo-em map. this file, 1s1i, contains 60s subunit. the 40s4 ribosomal subunit is in file 1s1h.
27	c2kl8A	Alignment	not modelled	13.8	14	PDB header: de novo protein Chain: A: PDB Molecule: or15; PDBTitle: solution nmr structure of de novo designed ferredoxin-like fold2 protein, northeast structural genomics consortium target or15
						PDB header: ribosome Chain: N: PDB Molecule: 60s ribosomal protein rol14 (l14e):

28	c3izcn_	Alignment	not modelled	13.7	20	PDBTitle: localization of the large subunit ribosomal proteins into a 6.1 a2 cryo-em map of saccharomyces cerevisiae translating 80s ribosome PDB header: ribosome Chain: I: PDB Molecule: 50s ribosomal protein l11p; PDBTitle: the structure of ccda-phe-cap-bio and the antibiotic sparsomycin bound2 to the large ribosomal subunit of haloarcula marismortui
29	c1vq8l_	Alignment	not modelled	13.4	21	PDB header: toxin Chain: A: PDB Molecule: kvap channel; PDBTitle: solution structure of vstx
30	c1s6xA_	Alignment	not modelled	11.4	36	PDB header: ribosomal protein/rna Chain: I: PDB Molecule: rna expansion segment es15 part i; PDBTitle: structure of a mammalian ribosomal 60s subunit within an 80s complex2 obtained by docking homology models of the rna and proteins into an3 8.7 a cryo-em map
31	c2zkri_	Alignment	not modelled	11.1	21	PDB header: rna binding protein Chain: A: PDB Molecule: kiaa0907 protein; PDBTitle: solution structure of the kh domain in kiaa0907 protein
32	c2yqrA_	Alignment	not modelled	11.0	24	PDB header: de novo protein Chain: A: PDB Molecule: de novo designed ferredoxin-ferredoxin domain insertion PDBTitle: crystal structure of de novo designed ferredoxin-ferredoxin domain2 insertion protein
33	c5cw9A_	Alignment	not modelled	10.9	14	Fold: Ferredoxin-like Superfamily: Viral DNA-binding domain Family: Viral DNA-binding domain
34	d1dbda_	Alignment	not modelled	10.9	19	Fold: Ferredoxin-like Superfamily: Viral DNA-binding domain Family: Viral DNA-binding domain
35	d2bopa_	Alignment	not modelled	10.6	19	Fold: Ferredoxin-like Superfamily: Viral DNA-binding domain Family: Viral DNA-binding domain
36	c4ky3A_	Alignment	not modelled	10.5	10	PDB header: de novo protein Chain: A: PDB Molecule: designed protein or327; PDBTitle: three-dimensional structure of the orthorhombic crystal of2 computationally designed insertion domain , northeast structural3 genomics consortium (nesg) target or327
37	d1iwga2	Alignment	not modelled	10.4	15	Fold: Ferredoxin-like Superfamily: Multidrug efflux transporter AcrB pore domain; PN1, PN2, PC1 and PC2 subdomains Family: Multidrug efflux transporter AcrB pore domain; PN1, PN2, PC1 and PC2 subdomains
38	c2ko4A_	Alignment	not modelled	10.0	31	PDB header: transcription Chain: A: PDB Molecule: mediator of rna polymerase ii transcription subunit 15; PDBTitle: complex structure of the activation domain of gcn4 bound to the2 mediator co-activator domain of gal11/med15
39	c1jqmA_	Alignment	not modelled	9.8	26	PDB header: ribosome Chain: A: PDB Molecule: 50s ribosomal protein l11; PDBTitle: fitting of l11 protein and elongation factor g (ef-g) in2 the cryo-em map of e. coli 70s ribosome bound with ef-g,3 gdp and fusidic acid
40	c2k6nA_	Alignment	not modelled	9.7	36	PDB header: structural protein Chain: A: PDB Molecule: supervillin; PDBTitle: solution structure of human supervillin headpiece, minimized2 average
41	c3j46n_	Alignment	not modelled	9.6	33	PDB header: ribosome/protein transport Chain: N: PDB Molecule: PDBTitle: structure of the secy protein translocation channel in action
42	c3zf7y_	Alignment	not modelled	9.4	15	PDB header: ribosome Chain: Y: PDB Molecule: 60s ribosomal protein l24, putative; PDBTitle: high-resolution cryo-electron microscopy structure of the trypanosoma2 brucei ribosome
43	c5o60j_	Alignment	not modelled	9.4	42	PDB header: ribosome Chain: J: PDB Molecule: 50s ribosomal protein l11; PDBTitle: structure of the 50s large ribosomal subunit from mycobacterium2 smegmatis
44	c3bboK_	Alignment	not modelled	9.2	26	PDB header: ribosome Chain: K: PDB Molecule: ribosomal protein l11; PDBTitle: homology model for the spinach chloroplast 50s subunit fitted to 9.4a2 cryo-em map of the 70s chlororibosome
45	c2vhml_	Alignment	not modelled	9.2	33	PDB header: ribosome Chain: I: PDB Molecule: 50s ribosomal protein l11; PDBTitle: structure of pdf binding helix in complex with the ribosome2 (part 1 of 4)
46	c4a1eE_	Alignment	not modelled	9.2	11	PDB header: ribosome Chain: E: PDB Molecule: 60s ribosomal protein l9; PDBTitle: t.thermophila 60s ribosomal subunit in complex with2 initiation factor 6. this file contains 5s rrna, 5.8s rrna3 and proteins of molecule 1
47	c3lpeF_	Alignment	not modelled	9.1	25	PDB header: transferase Chain: F: PDB Molecule: dna-directed rna polymerase subunit e''; PDBTitle: crystal structure of spt4/5ngn heterodimer complex from methanococcus2 jannaschii
48	c4p1zD_	Alignment	not modelled	8.8	11	PDB header: rna binding protein Chain: D: PDB Molecule: piwi-like protein 1; PDBTitle: structure of the mid domain from miwi
49	d1vqoe2	Alignment	not modelled	8.5	21	Fold: Ribosomal protein L6 Superfamily: Ribosomal protein L6 Family: Ribosomal protein L6
50	c4g0mB_	Alignment	not modelled	8.5	11	PDB header: gene regulation Chain: B: PDB Molecule: protein argonaute 2; PDBTitle: crystal structure of arabidopsis thaliana ago2 mid domain
51	c2kwvA_	Alignment	not modelled	8.1	40	PDB header: protein binding/signaling protein Chain: A: PDB Molecule: dna polymerase iota; PDBTitle: solution structure of ubm1 of murine polymerase iota in complex with2 ubiquitin
						Fold: Ribonuclease H-like motif

52	d1yvua2	Alignment	not modelled	8.1	5	Superfamily: Ribonuclease H-like Family: PIWI domain
53	c3iz5F_	Alignment	not modelled	7.9	22	PDB header: ribosome Chain: F: PDB Molecule: 60s ribosomal protein l9 (l6p); PDBTitle: localization of the large subunit ribosomal proteins into a 5.5 a2 cryo-em map of triticum aestivum translating 80s ribosome
54	c2hxgB_	Alignment	not modelled	7.8	15	PDB header: isomerase Chain: B: PDB Molecule: l-arabinose isomerase; PDBTitle: crystal structure of mn2+ bound ecai
55	d1vqoi1	Alignment	not modelled	7.6	21	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Ribosomal protein L11, C-terminal domain Family: Ribosomal protein L11, C-terminal domain
56	c5h2wD_	Alignment	not modelled	7.4	14	PDB header: protein transport/hydrolase Chain: D: PDB Molecule: ubiquitin-like-specific protease 1; PDBTitle: crystal structure of the karyopherin kap60p bound to the sumo protease2 ulp1p (150-340)
57	c5h2xB_	Alignment	not modelled	7.4	14	PDB header: protein transport/hydrogenase Chain: B: PDB Molecule: ubiquitin-like-specific protease 1; PDBTitle: crystal structure of the karyopherin kap60p bound to the sumo protease2 ulp1p (150-172)
58	c3j39H_	Alignment	not modelled	7.1	19	PDB header: ribosome Chain: H: PDB Molecule: 60s ribosomal protein l9; PDBTitle: structure of the d. melanogaster 60s ribosomal proteins
59	c2ln3A_	Alignment	not modelled	7.0	11	PDB header: de novo protein Chain: A: PDB Molecule: de novo designed protein or135; PDBTitle: solution nmr structure of de novo designed protein, if3-like fold,2 northeast structural genomics consortium target or135 (casd target)
60	c6amgA_	Alignment	not modelled	6.7	8	PDB header: metal binding protein Chain: A: PDB Molecule: cytochrome p460; PDBTitle: cyt p460 of nitrosomonas sp. al212
61	d2q79a1	Alignment	not modelled	6.6	12	Fold: Ferredoxin-like Superfamily: Viral DNA-binding domain Family: Viral DNA-binding domain
62	c2mulA_	Alignment	not modelled	6.6	50	PDB header: protein binding Chain: A: PDB Molecule: e3 ubiquitin-protein ligase huwe1; PDBTitle: solution structure of the ubm1 domain of human huwe1/arf-bp1
63	c3zf7M_	Alignment	not modelled	6.3	16	PDB header: ribosome Chain: M: PDB Molecule: 60s ribosomal protein l12, putative; PDBTitle: high-resolution cryo-electron microscopy structure of the trypanosoma2 brucei ribosome
64	c2l3xA_	Alignment	not modelled	6.3	56	PDB header: protein binding Chain: A: PDB Molecule: ablim2 protein; PDBTitle: villin head piece domain of human ablim2
65	c3ccmE_	Alignment	not modelled	6.3	19	PDB header: ribosome Chain: E: PDB Molecule: 50s ribosomal protein l6p; PDBTitle: structure of anisomycin resistant 50s ribosomal subunit: 23s rrna2 mutation g2611u
66	c3f41B_	Alignment	not modelled	6.0	23	PDB header: hydrolase Chain: B: PDB Molecule: phytase; PDBTitle: structure of the tandemly repeated protein tyrosine2 phosphatase like phytase from mitsuokella multacida
67	c5an9B_	Alignment	not modelled	5.9	19	PDB header: translation Chain: B: PDB Molecule: 60s ribosomal protein l9; PDBTitle: mechanism of eif6 release from the nascent 60s ribosomal subunit
68	d1yu5x1	Alignment	not modelled	5.8	71	Fold: VHP, Villin headpiece domain Superfamily: VHP, Villin headpiece domain Family: VHP, Villin headpiece domain
69	c3b0vD_	Alignment	not modelled	5.8	15	PDB header: oxidoreductase/rna Chain: D: PDB Molecule: trna-dihydrouridine synthase; PDBTitle: trna-dihydrouridine synthase from thermus thermophilus in complex with2 trna
70	d1a7ge_	Alignment	not modelled	5.5	15	Fold: Ferredoxin-like Superfamily: Viral DNA-binding domain Family: Viral DNA-binding domain
71	d1j2jb_	Alignment	not modelled	5.4	32	Fold: Spectrin repeat-like Superfamily: GAT-like domain Family: GAT domain
72	c4bduC_	Alignment	not modelled	5.4	24	PDB header: apoptosis Chain: C: PDB Molecule: green fluorescent protein, apoptosis regulator bax; PDBTitle: bax bh3-in-groove dimer (gfp)
73	d1pbya3	Alignment	not modelled	5.4	25	Fold: Immunoglobulin-like beta-sandwich Superfamily: E set domains Family: Quinohemoprotein amine dehydrogenase A chain, domains 4 and 5
74	d1f9fa_	Alignment	not modelled	5.3	11	Fold: Ferredoxin-like Superfamily: Viral DNA-binding domain Family: Viral DNA-binding domain
75	c5o60W_	Alignment	not modelled	5.2	20	PDB header: ribosome Chain: W: PDB Molecule: 50s ribosomal protein l25; PDBTitle: structure of the 50s large ribosomal subunit from mycobacterium2 smegmatis
76	d1r8ha_	Alignment	not modelled	5.2	4	Fold: Ferredoxin-like Superfamily: Viral DNA-binding domain Family: Viral DNA-binding domain
77	d1qzpa_	Alignment	not modelled	5.1	57	Fold: VHP, Villin headpiece domain Superfamily: VHP, Villin headpiece domain Family: VHP, Villin headpiece domain
78	c5vntA_	Alignment	not modelled	5.1	29	PDB header: protein binding Chain: A: PDB Molecule: villin-4; PDBTitle: solution nmr structure of the c-terminal headpiece

