
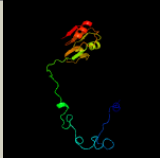

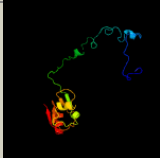

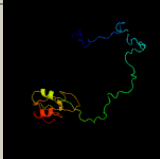

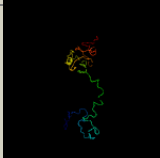

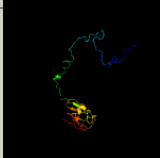

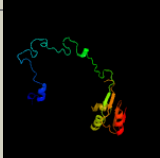

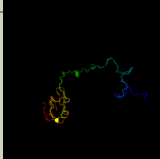

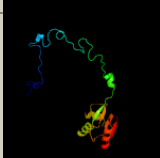

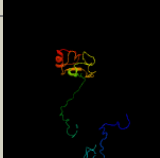

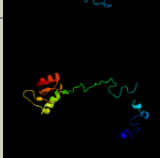

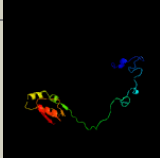
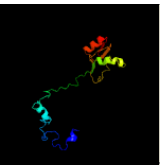
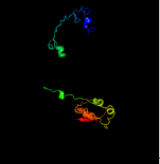
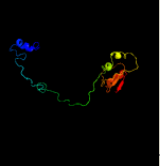
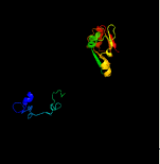
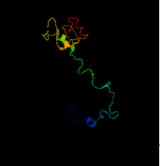
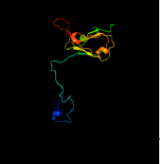

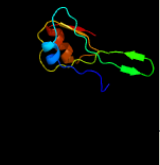
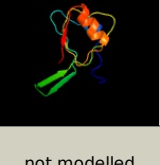


Phyre2

Email mdejesus@rockefeller.edu
 Description RVBD0723_(rplO)_815193_815633
 Date Fri Jul 26 01:50:29 BST 2019
 Unique Job ID 0f26912ca9fe4260

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c5o60M_	 Alignment		100.0	83	PDB header: ribosome Chain: M; PDB Molecule: 50s ribosomal protein I15; PDBTitle: structure of the 50s large ribosomal subunit from mycobacterium2 smegmatis
2	c1vw4J_	 Alignment		100.0	37	PDB header: ribosome Chain: J; PDB Molecule: 54s ribosomal protein I10, mitochondrial; PDBTitle: structure of the yeast mitochondrial large ribosomal subunit
3	c3j3vL_	 Alignment		100.0	51	PDB header: ribosome Chain: L; PDB Molecule: 50s ribosomal protein I15; PDBTitle: atomic model of the immature 50s subunit from bacillus subtilis (state2 i-a)
4	c3bboN_	 Alignment		100.0	38	PDB header: ribosome Chain: N; PDB Molecule: ribosomal protein I15; PDBTitle: homology model for the spinach chloroplast 50s subunit fitted to 9.4a2 cryo-em map of the 70s chlororibosome
5	d2zjr1	 Alignment		100.0	42	Fold: Ribosomal proteins L15p and L18e Superfamily: Ribosomal proteins L15p and L18e Family: Ribosomal proteins L15p and L18e
6	c4ce4P_	 Alignment		100.0	33	PDB header: ribosome Chain: P; PDB Molecule: mrp15; PDBTitle: 39s large subunit of the porcine mitochondrial ribosome
7	d2gycj1	 Alignment		100.0	42	Fold: Ribosomal proteins L15p and L18e Superfamily: Ribosomal proteins L15p and L18e Family: Ribosomal proteins L15p and L18e
8	c4v19P_	 Alignment		100.0	33	PDB header: ribosome Chain: P; PDB Molecule: mitoribosomal protein ul15m, mrp15; PDBTitle: structure of the large subunit of the mammalian mitoribosome, part 12 of 2
9	d2j01p1	 Alignment		100.0	47	Fold: Ribosomal proteins L15p and L18e Superfamily: Ribosomal proteins L15p and L18e Family: Ribosomal proteins L15p and L18e
10	c3j21L_	 Alignment		100.0	26	PDB header: ribosome Chain: L; PDB Molecule: 50s ribosomal protein I15p; PDBTitle: promiscuous behavior of proteins in archaeal ribosomes revealed by2 cryo-em: implications for evolution of eukaryotic ribosomes (50s3 ribosomal proteins)
11	c4a1cK_	 Alignment		100.0	28	PDB header: ribosome Chain: K; PDB Molecule: 60s ribosomal protein I27a; PDBTitle: t.thermophila 60s ribosomal subunit in complex with2 initiation factor 6. this file contains 5s rrna,3 5.8s rrna and proteins of molecule 4.

12	d1vqo1	Alignment		100.0	29	Fold: Ribosomal proteins L15p and L18e Superfamily: Ribosomal proteins L15p and L18e Family: Ribosomal proteins L15p and L18e
13	c3zf7b	Alignment		100.0	25	PDB header: ribosome Chain: B: PDB Molecule: PDBTitle: high-resolution cryo-electron microscopy structure of the trypanosoma2 brucei ribosome
14	c3j39a	Alignment		100.0	28	PDB header: ribosome Chain: A: PDB Molecule: 60s ribosomal protein I8; PDBTitle: structure of the d. melanogaster 60s ribosomal proteins
15	c2zkr1	Alignment		100.0	28	PDB header: ribosomal protein/rna Chain: L: PDB Molecule: rna expansion segment es20; 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
16	c1s1iV	Alignment		100.0	23	PDB header: ribosome Chain: V: PDB Molecule: 60s ribosomal protein I28; 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.
17	c3iz5O	Alignment		100.0	27	PDB header: ribosome Chain: O: PDB Molecule: 60s ribosomal protein I27a (I15p); PDBTitle: localization of the large subunit ribosomal proteins into a 5.5 a2 cryo-em map of triticum aestivum translating 80s ribosome
18	c3j21P	Alignment		99.4	51	PDB header: ribosome Chain: P: PDB Molecule: 50s ribosomal protein I18e; PDBTitle: promiscuous behavior of proteins in archaeal ribosomes revealed by2 cryo-em: implications for evolution of eukaryotic ribosomes (50s3 ribosomal proteins)
19	d1vqoo1	Alignment		99.3	43	Fold: Ribosomal proteins L15p and L18e Superfamily: Ribosomal proteins L15p and L18e Family: Ribosomal proteins L15p and L18e
20	c3j3bO	Alignment		98.9	27	PDB header: ribosome Chain: Q: PDB Molecule: 60s ribosomal protein I18; PDBTitle: structure of the human 60s ribosomal proteins
21	c3j39O	Alignment	not modelled	98.8	29	PDB header: ribosome Chain: Q: PDB Molecule: 60s ribosomal protein I18; PDBTitle: structure of the d. melanogaster 60s ribosomal proteins
22	c3iz5R	Alignment	not modelled	98.8	24	PDB header: ribosome Chain: R: PDB Molecule: 60s ribosomal protein I18 (I18e); PDBTitle: localization of the large subunit ribosomal proteins into a 5.5 a2 cryo-em map of triticum aestivum translating 80s ribosome
23	c3zf7I	Alignment	not modelled	98.8	26	PDB header: ribosome Chain: I: PDB Molecule: 60s ribosomal protein I18; PDBTitle: high-resolution cryo-electron microscopy structure of the trypanosoma2 brucei ribosome
24	c4b6aO	Alignment	not modelled	98.8	37	PDB header: ribosome Chain: Q: PDB Molecule: 60s ribosomal protein I18-b; PDBTitle: cryo-em structure of the 60s ribosomal subunit in complex2 with arx1 and rei1
25	c2zkro	Alignment	not modelled	98.7	30	PDB header: ribosomal protein/rna Chain: O: PDB Molecule: rna expansion segment es30; 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
26	c4a1aN	Alignment	not modelled	98.7	27	PDB header: ribosome Chain: N: PDB Molecule: rpl18; PDBTitle: t.thermophila 60s ribosomal subunit in complex with2 initiation factor 6. this file contains 5s rrna,3 5.8s rrna and proteins of molecule 3.
27	c3izcR	Alignment	not modelled	98.6	37	PDB header: ribosome Chain: R: PDB Molecule: 60s ribosomal protein rpl18 (I18e); 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: O: PDB Molecule: 60s ribosomal protein I18;

28	c1s1iO_	Alignment	not modelled	98.2	37	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.
29	c5o60E_	Alignment	not modelled	25.1	20	PDB header: ribosome Chain: E: PDB Molecule: 50s ribosomal protein l4; PDBTitle: structure of the 50s large ribosomal subunit from mycobacterium2 smegmatis
30	c5uoia_	Alignment	not modelled	21.7	42	PDB header: de novo protein Chain: A: PDB Molecule: hhh_rd1_0142; PDBTitle: solution structure of the de novo mini protein hhh_rd1_0142
31	d2qn6b1	Alignment	not modelled	21.4	0	Fold: Ferredoxin-like Superfamily: eIF-2-alpha, C-terminal domain Family: eIF-2-alpha, C-terminal domain
32	d1a9xa3	Alignment	not modelled	14.2	12	Fold: PreATP-grasp domain Superfamily: PreATP-grasp domain Family: BC N-terminal domain-like
33	c2jo4D_	Alignment	not modelled	12.7	39	PDB header: de novo protein Chain: D: PDB Molecule: kia7; PDBTitle: tetrameric structure of kia7 peptide
34	c2jo4C_	Alignment	not modelled	12.7	39	PDB header: de novo protein Chain: C: PDB Molecule: kia7; PDBTitle: tetrameric structure of kia7 peptide
35	c2jo4B_	Alignment	not modelled	12.7	39	PDB header: de novo protein Chain: B: PDB Molecule: kia7; PDBTitle: tetrameric structure of kia7 peptide
36	c2jo4A_	Alignment	not modelled	12.7	39	PDB header: de novo protein Chain: A: PDB Molecule: kia7; PDBTitle: tetrameric structure of kia7 peptide
37	c2jo5A_	Alignment	not modelled	12.5	39	PDB header: de novo protein Chain: A: PDB Molecule: kia7f; PDBTitle: tetrameric structure of kia7f peptide
38	c2jo5B_	Alignment	not modelled	12.5	39	PDB header: de novo protein Chain: B: PDB Molecule: kia7f; PDBTitle: tetrameric structure of kia7f peptide
39	c2jo5C_	Alignment	not modelled	12.5	39	PDB header: de novo protein Chain: C: PDB Molecule: kia7f; PDBTitle: tetrameric structure of kia7f peptide
40	c2jo5D_	Alignment	not modelled	12.5	39	PDB header: de novo protein Chain: D: PDB Molecule: kia7f; PDBTitle: tetrameric structure of kia7f peptide
41	c2bpa3_	Alignment	not modelled	12.2	43	PDB header: virus/dna Chain: 3: PDB Molecule: protein (subunit of bacteriophage phix174); PDBTitle: atomic structure of single-stranded dna bacteriophage2 phix174 and its functional implications
42	d2zjq51	Alignment	not modelled	12.0	25	Fold: ClpS-like Superfamily: ClpS-like Family: Ribosomal protein L7/12, C-terminal domain
43	c2zjq5_	Alignment	not modelled	12.0	25	PDB header: ribosome Chain: 5: PDB Molecule: 50s ribosomal protein l7/l12; PDBTitle: interaction of l7 with l11 induced by micrococin binding to the2 deinococcus radiodurans 50s subunit
44	d1dd3a2	Alignment	not modelled	11.5	19	Fold: ClpS-like Superfamily: ClpS-like Family: Ribosomal protein L7/12, C-terminal domain
45	d1ctfa_	Alignment	not modelled	11.5	13	Fold: ClpS-like Superfamily: ClpS-like Family: Ribosomal protein L7/12, C-terminal domain
46	c4ce4F_	Alignment	not modelled	10.3	20	PDB header: ribosome Chain: F: PDB Molecule: mrpl4; PDBTitle: 39s large subunit of the porcine mitochondrial ribosome
47	c2gya3_	Alignment	not modelled	10.1	13	PDB header: ribosome Chain: 3: PDB Molecule: 50s ribosomal protein l7/l12; PDBTitle: structure of the 50s subunit of a pre-translocational e. coli ribosome2 obtained by fitting atomic models for rna and protein components into3 cryo-em map emd-1056
48	c1giyl_	Alignment	not modelled	9.7	19	PDB header: ribosome Chain: J: PDB Molecule: 50s ribosomal protein l7/l12; PDBTitle: crystal structure of the ribosome at 5.5 a resolution. this2 file, 1giy, contains the 50s ribosome subunit. the 30s3 ribosome subunit, three trna, and mrna molecules are in the4 file 1gix
49	c6b4gH_	Alignment	not modelled	8.7	100	PDB header: transport protein Chain: H: PDB Molecule: nucleoporin amo1; PDBTitle: crystal structure of chaetomium thermophilum gle1 ctd-nup42 gbm2 complex
50	d1q8ka2	Alignment	not modelled	8.5	19	Fold: Ferredoxin-like Superfamily: eIF-2-alpha, C-terminal domain Family: eIF-2-alpha, C-terminal domain
51	c1vw4S_	Alignment	not modelled	8.4	27	PDB header: ribosome Chain: S: PDB Molecule: 54s ribosomal protein l24, mitochondrial; PDBTitle: structure of the yeast mitochondrial large ribosomal subunit
52	c2ftcF_	Alignment	not modelled	7.7	25	PDB header: ribosome Chain: F: PDB Molecule: 39s ribosomal protein l12, mitochondrial; PDBTitle: structural model for the large subunit of the mammalian mitochondrial2 ribosome
53	d1nlna_	Alignment	not modelled	7.1	35	Fold: Cysteine proteinases Superfamily: Cysteine proteinases Family: Adenain-like

54	d1a9xa4	Alignment	not modelled	6.0	14	Fold: PreATP-grasp domain Superfamily: PreATP-grasp domain Family: BC N-terminal domain-like
55	c4dnhA_	Alignment	not modelled	6.0	29	PDB header: structural genomics, unknown function Chain: A; PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of hypothetical protein smc04132 from sinorhizobium2 meliloti 1021
56	c3j3vE_	Alignment	not modelled	6.0	17	PDB header: ribosome Chain: E; PDB Molecule: 50s ribosomal protein I4; PDBTitle: atomic model of the immature 50s subunit from bacillus subtilis (state2 i-a)
57	d1fe0a_	Alignment	not modelled	5.5	17	Fold: Ferredoxin-like Superfamily: HMA, heavy metal-associated domain Family: HMA, heavy metal-associated domain
58	d1uj4a2	Alignment	not modelled	5.4	31	Fold: Ferredoxin-like Superfamily: D-ribose-5-phosphate isomerase (RpiA), lid domain Family: D-ribose-5-phosphate isomerase (RpiA), lid domain