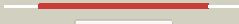
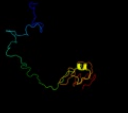

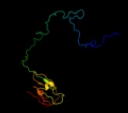
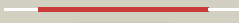
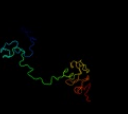







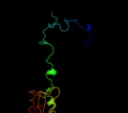








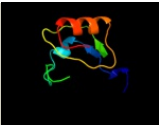





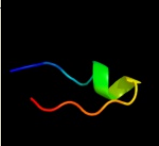




Phyre2

Email	I.a.kelley@imperial.ac.uk
Description	P0A0F8
Date	Tue Jul 17 17:05:05 BST 2012
Unique Job ID	1cbfe3e934ec482d

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	d2gycj1	 Alignment		100.0	46	Fold: Ribosomal proteins L15p and L18e Superfamily: Ribosomal proteins L15p and L18e Family: Ribosomal proteins L15p and L18e
2	d2zjri1	 Alignment		100.0	46	Fold: Ribosomal proteins L15p and L18e Superfamily: Ribosomal proteins L15p and L18e Family: Ribosomal proteins L15p and L18e
3	c3bboN_	 Alignment		100.0	47	PDB header: ribosome Chain: N: PDB Molecule: ribosomal protein l15; PDBTitle: homology model for the spinach chloroplast 50s subunit fitted to 9.4a2 cryo-em map of the 70s chlororibosome
4	d2j01p1	 Alignment		100.0	51	Fold: Ribosomal proteins L15p and L18e Superfamily: Ribosomal proteins L15p and L18e Family: Ribosomal proteins L15p and L18e
5	dlvqol1	 Alignment		100.0	26	Fold: Ribosomal proteins L15p and L18e Superfamily: Ribosomal proteins L15p and L18e Family: Ribosomal proteins L15p and L18e
6	c4a1cK_	 Alignment		100.0	29	PDB header: ribosome Chain: K: PDB Molecule: 60s ribosomal protein l27a; 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.
7	cls1iv_	 Alignment		100.0	27	PDB header: ribosome Chain: V: PDB Molecule: 60s ribosomal protein l28; PDBTitle: structure of the ribosomal 80s-eef2-sordarin complex from2 yeast obtained by docking atomic models for rna and protein3 components into a 11.7 a cryo-em map. this file, 1s1i,4 contains 60s subunit. the 40s ribosomal subunit is in file5 1s1h.
8	c2zkrl_	 Alignment		100.0	27	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
9	c3iz5O_	 Alignment		100.0	31	PDB header: ribosome Chain: O: PDB Molecule: 60s ribosomal protein l27a (l15p); PDBTitle: localization of the large subunit ribosomal proteins into a 5.5 a2 cryo-em map of triticum aestivum translating 80s ribosome
10	dlvqool	 Alignment		99.0	39	Fold: Ribosomal proteins L15p and L18e Superfamily: Ribosomal proteins L15p and L18e Family: Ribosomal proteins L15p and L18e
11	c3iz5R_	 Alignment		98.6	18	PDB header: ribosome Chain: R: PDB Molecule: 60s ribosomal protein l18 (l18e); PDBTitle: localization of the large subunit ribosomal proteins into a 5.5 a2 cryo-em map of triticum aestivum translating 80s ribosome

12	c2zkro_	Alignment		98.5	21	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
13	c4a1aN_	Alignment		98.3	29	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.
14	c3izcR_	Alignment		98.3	18	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
15	c1s1iO_	Alignment		97.3	29	PDB header: ribosome Chain: O: PDB Molecule: 60s ribosomal protein l18; PDBTitle: structure of the ribosomal 80s-eef2-sordarin complex from2 yeast obtained by docking atomic models for rna and protein3 components into a 11.7 a cryo-em map. this file, 1s1i,4 contains 60s subunit. the 40s ribosomal subunit is in file5 1s1h.
16	d2qn6b1	Alignment		26.1	6	Fold: Ferredoxin-like Superfamily: eIF-2-alpha, C-terminal domain Family: eIF-2-alpha, C-terminal domain
17	c2zjq5_	Alignment		12.9	19	PDB header: ribosome Chain: 5: PDB Molecule: 50s ribosomal protein l7/l12; PDBTitle: interaction of l7 with l11 induced by micrococci binding2 to the deinococcus radiodurans 50s subunit
18	d2zjq51	Alignment		12.9	19	Fold: ClpS-like Superfamily: ClpS-like Family: Ribosomal protein L7/12, C-terminal domain
19	d1dd3a2	Alignment		12.6	13	Fold: ClpS-like Superfamily: ClpS-like Family: Ribosomal protein L7/12, C-terminal domain
20	d1ctfa_	Alignment		12.3	25	Fold: ClpS-like Superfamily: ClpS-like Family: Ribosomal protein L7/12, C-terminal domain
21	d1a9xa3	Alignment	not modelled	12.2	20	Fold: PreATP-grasp domain Superfamily: PreATP-grasp domain Family: BC N-terminal domain-like
22	c2qyfd_	Alignment	not modelled	12.0	26	PDB header: cell cycle Chain: D: PDB Molecule: mad2l1-binding protein; PDBTitle: crystal structure of the mad2/p31(comet)/mad2-binding2 peptide ternary complex
23	d1q8ka2	Alignment	not modelled	12.0	35	Fold: Ferredoxin-like Superfamily: eIF-2-alpha, C-terminal domain Family: eIF-2-alpha, C-terminal domain
24	c2jo4C_	Alignment	not modelled	11.8	39	PDB header: de novo protein Chain: C: PDB Molecule: kia7; PDBTitle: tetrameric structure of kia7 peptide
25	c2jo4A_	Alignment	not modelled	11.8	39	PDB header: de novo protein Chain: A: PDB Molecule: kia7; PDBTitle: tetrameric structure of kia7 peptide
26	c2jo4B_	Alignment	not modelled	11.8	39	PDB header: de novo protein Chain: B: PDB Molecule: kia7; PDBTitle: tetrameric structure of kia7 peptide
27	c2jo4D_	Alignment	not modelled	11.8	39	PDB header: de novo protein Chain: D: PDB Molecule: kia7; PDBTitle: tetrameric structure of kia7 peptide
28	c2jo5C_	Alignment	not modelled	11.6	39	PDB header: de novo protein Chain: C: PDB Molecule: kia7f; PDBTitle: tetrameric structure of kia7f peptide
29	c2jo5D_	Alignment	not modelled	11.6	39	PDB header: de novo protein Chain: D: PDB Molecule: kia7f; PDBTitle: tetrameric structure of kia7f peptide

30	c2jo5B_	Alignment	not modelled	11.6	39	PDB header: de novo protein Chain: B: PDB Molecule: kia7f; PDBTitle: tetrameric structure of kia7f peptide
31	c2jo5A_	Alignment	not modelled	11.6	39	PDB header: de novo protein Chain: A: PDB Molecule: kia7f; PDBTitle: tetrameric structure of kia7f peptide
32	c1gyl_	Alignment	not modelled	11.0	13	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, 1gyl, contains the 50s ribosome subunit. the 30s3 ribosome subunit, three trna, and mrna molecules are in the4 file 1gix
33	c2gya3_	Alignment	not modelled	10.9	25	PDB header: ribosome Chain: 3: PDB Molecule: 50s ribosomal protein l7/l12; PDBTitle: structure of the 50s subunit of a pre-translocational e.2 coli ribosome obtained by fitting atomic models for rna and3 protein components into cryo-em map emd-1056
34	d1nlna_	Alignment	not modelled	8.5	40	Fold: Cysteine proteinases Superfamily: Cysteine proteinases Family: Adenain-like
35	c2ftcF_	Alignment	not modelled	8.1	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
36	c3jyW_	Alignment	not modelled	6.4	16	PDB header: ribosome Chain: D: PDB Molecule: 60s ribosomal protein l4(b); PDBTitle: structure of the 60s proteins for eukaryotic ribosome based on cryo-em2 map of thermomyces lanuginosus ribosome at 8.9a resolution
37	d1fe0a_	Alignment	not modelled	6.4	10	Fold: Ferredoxin-like Superfamily: HMA, heavy metal-associated domain Family: HMA, heavy metal-associated domain
38	d2zjrc1	Alignment	not modelled	5.7	26	Fold: Ribosomal protein L4 Superfamily: Ribosomal protein L4 Family: Ribosomal protein L4
39	d2gycc1	Alignment	not modelled	5.7	26	Fold: Ribosomal protein L4 Superfamily: Ribosomal protein L4 Family: Ribosomal protein L4
40	c2jz2A_	Alignment	not modelled	5.5	32	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: ssl0352 protein; PDBTitle: solution nmr structure of ssl0352 protein from synechocystis sp. pcc2 6803. northeast structural genomics consortium target sgr42
41	c4dnhA_	Alignment	not modelled	5.3	43	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of hypothetical protein smc04132 from sinorhizobium2 meliloti 1021
42	d1a9xa4	Alignment	not modelled	5.2	16	Fold: PreATP-grasp domain Superfamily: PreATP-grasp domain Family: BC N-terminal domain-like