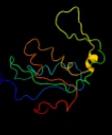
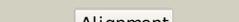
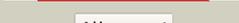
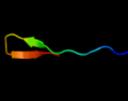


Phyre2

Email	I.a.kelley@imperial.ac.uk
Description	P0AA10
Date	Thu Jan 5 11:11:44 GMT 2012
Unique Job ID	345c30324f04fb50

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	d2j01n1	 Alignment		100.0	56	Fold: Ribosomal protein L13 Superfamily: Ribosomal protein L13 Family: Ribosomal protein L13
2	d2zjrg1	 Alignment		100.0	55	Fold: Ribosomal protein L13 Superfamily: Ribosomal protein L13 Family: Ribosomal protein L13
3	c3d5bN_	 Alignment		100.0	55	PDB header: ribosome Chain: N: PDB Molecule: 50s ribosomal protein l13; PDBTitle: structural basis for translation termination on the 70s ribosome. this2 file contains the 50s subunit of one 70s ribosome. the entire crystal3 structure contains two 70s ribosomes as described in remark 400.
4	c3cf5G_	 Alignment		100.0	55	PDB header: ribosome/antibiotic Chain: G: PDB Molecule: 50s ribosomal protein l13; PDBTitle: thiopeptide antibiotic thiostrepton bound to the large ribosomal2 subunit of deinococcus radiodurans
5	d2gych1	 Alignment		100.0	100	Fold: Ribosomal protein L13 Superfamily: Ribosomal protein L13 Family: Ribosomal protein L13
6	c2ftcH_	 Alignment		100.0	33	PDB header: ribosome Chain: H: PDB Molecule: 39s ribosomal protein l13, mitochondrial; PDBTitle: structural model for the large subunit of the mammalian mitochondrial2 ribosome
7	c3bboL_	 Alignment		100.0	59	PDB header: ribosome Chain: L: PDB Molecule: ribosomal protein l13; PDBTitle: homology model for the spinach chloroplast 50s subunit2 fitted to 9.4a cryo-em map of the 70s chlororibosome
8	c1s1iM_	 Alignment		100.0	27	PDB header: ribosome Chain: M: PDB Molecule: 60s ribosomal protein l16-a; 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.
9	c3iz5K_	 Alignment		100.0	23	PDB header: ribosome Chain: K: PDB Molecule: 60s ribosomal protein l13a (l13p); PDBTitle: localization of the large subunit ribosomal proteins into a 5.5 a2 cryo-em map of triticum aestivum translating 80s ribosome
10	c2zkrj_	 Alignment		100.0	27	PDB header: ribosomal protein/rna Chain: J: PDB Molecule: rna expansion segment es15 part ii; PDBTitle: structure of a mammalian ribosomal 60s subunit within an2 80s complex obtained by docking homology models of the rna3 and proteins into an 8.7 a cryo-em map
11	c3izcK_	 Alignment		100.0	27	PDB header: ribosome Chain: K: PDB Molecule: 60s ribosomal protein rpl16 (l13p); PDBTitle: localization of the large subunit ribosomal proteins into a 6.1 a2 cryo-em map of saccharomyces cerevisiae translating 80s ribosome

12	c4a1a1_	Alignment		100.0	29	PDB header: ribosome Chain: I: PDB Molecule: 60s ribosomal protein l13a; 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.
13	c3jywM_	Alignment		100.0	28	PDB header: ribosome Chain: M: PDB Molecule: 60s ribosomal protein l16(a); PDBTitle: structure of the 60s proteins for eukaryotic ribosome based on cryo-em2 map of thermomyces lanuginosus ribosome at 8.9a resolution
14	d1j3aa_	Alignment		100.0	33	Fold: Ribosomal protein L13 Superfamily: Ribosomal protein L13 Family: Ribosomal protein L13
15	d1vqoj1	Alignment		100.0	26	Fold: Ribosomal protein L13 Superfamily: Ribosomal protein L13 Family: Ribosomal protein L13
16	d1qvca_	Alignment		34.0	30	Fold: OB-fold Superfamily: Nucleic acid-binding proteins Family: Single strand DNA-binding domain, SSB
17	c3kojA_	Alignment		31.5	35	PDB header: dna binding protein Chain: A: PDB Molecule: uncharacterized protein ycf41; PDBTitle: crystal structure of the ssb domain of q5n255_synp6 protein2 from synechococcus sp. northeast structural genomics3 consortium target snr59a.
18	c1z9fA_	Alignment		26.8	42	PDB header: dna binding protein Chain: A: PDB Molecule: single-strand binding protein; PDBTitle: crystal structure of single stranded dna-binding protein (tm0604) from2 thermotoga maritima at 2.60 a resolution
19	c3fmaD_	Alignment		24.2	29	PDB header: protein binding Chain: D: PDB Molecule: protein smy2; PDBTitle: crystal structure of the gyf domain of smy2 in complex with a proline-2 rich peptide from bbp/scsf1
20	c2vw9B_	Alignment		23.6	25	PDB header: dna-binding protein Chain: B: PDB Molecule: single-stranded dna binding protein; PDBTitle: single stranded dna binding protein complex from2 helicobacter pylori
21	c2ra9A_	Alignment	not modelled	23.2	33	PDB header: unknown function Chain: A: PDB Molecule: uncharacterized protein duf1285; PDBTitle: crystal structure of a duf1285 family protein (sbal_2486) from2 shewanella baltica os155 at 1.40 a resolution
22	d2pstx1	Alignment	not modelled	22.0	23	Fold: Mbth/L9 domain-like Superfamily: Mbth-like Family: Mbth-like
23	c1eqqD_	Alignment	not modelled	21.6	32	PDB header: replication/rna Chain: D: PDB Molecule: single stranded dna binding protein; PDBTitle: single stranded dna binding protein and ssdna complex
24	d1tzaa_	Alignment	not modelled	18.1	50	Fold: Immunoglobulin-like beta-sandwich Superfamily: ApaG-like Family: ApaG-like
25	d1xq4a_	Alignment	not modelled	17.8	21	Fold: Immunoglobulin-like beta-sandwich Superfamily: ApaG-like Family: ApaG-like
26	d2gpfa1	Alignment	not modelled	17.4	23	Fold: Mbth/L9 domain-like Superfamily: Mbth-like Family: Mbth-like
27	d2q07a1	Alignment	not modelled	17.1	10	Fold: PUA domain-like Superfamily: PUA domain-like Family: PUA domain
28	c2fleA_	Alignment	not modelled	17.0	43	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: protein apag; PDBTitle: solution structure of apag protein
29	d1puja_	Alignment	not modelled	17.0	27	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: G proteins

30	d1xvsa_	Alignment	not modelled	16.9	43	Fold: Immunoglobulin-like beta-sandwich Superfamily: ApaG-like Family: ApaG-like
31	c2khrA_	Alignment	not modelled	15.3	23	PDB header: biosynthetic protein Chain: A: PDB Molecule: protein mbth; PDBTitle: solution structure of rv2377c, a mbth-like protein from mycobacterium2 tuberculosis
32	d1eyga_	Alignment	not modelled	15.0	30	Fold: OB-fold Superfamily: Nucleic acid-binding proteins Family: Single strand DNA-binding domain, SSB
33	d2bm8a1	Alignment	not modelled	13.5	23	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Cmci-like
34	c2p8tA_	Alignment	not modelled	13.1	24	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: hypothetical protein ph0730; PDBTitle: hypothetical protein ph0730 from pyrococcus horikoshii ot3
35	d1ue1a_	Alignment	not modelled	13.0	35	Fold: OB-fold Superfamily: Nucleic acid-binding proteins Family: Single strand DNA-binding domain, SSB
36	d2d7na1	Alignment	not modelled	12.7	19	Fold: Immunoglobulin-like beta-sandwich Superfamily: E set domains Family: Filamin repeat (rod domain)
37	c2q07A_	Alignment	not modelled	12.2	10	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein af0587; PDBTitle: crystal structure of af0587, a protein of unknown function
38	c3tqyA_	Alignment	not modelled	12.1	35	PDB header: transferase Chain: A: PDB Molecule: single-stranded dna-binding protein; PDBTitle: structure of a single-stranded dna-binding protein (ssb), from2 coxiella burnetii
39	c2ihfA_	Alignment	not modelled	11.2	37	PDB header: dna binding protein Chain: A: PDB Molecule: single-stranded dna-binding protein; PDBTitle: crystal structure of deletion mutant delta 228-252 r190a of the2 single-stranded dna binding protein from thermus aquaticus
40	c3eivB_	Alignment	not modelled	11.1	32	PDB header: dna binding protein Chain: B: PDB Molecule: single-stranded dna-binding protein 2; PDBTitle: crystal structure of single-stranded dna-binding protein2 from streptomyces coelicolor
41	c2e6zA_	Alignment	not modelled	10.3	17	PDB header: transcription Chain: A: PDB Molecule: transcription elongation factor spt5; PDBTitle: solution structure of the second kow motif of human2 transcription elongation factor spt5
42	c3rhfB_	Alignment	not modelled	10.2	44	PDB header: transferase Chain: B: PDB Molecule: putative polyphosphate kinase 2 family protein; PDBTitle: crystal structure of polyphosphate kinase 2 from arthrobacter2 aurescens tc1
43	c3pgzB_	Alignment	not modelled	10.2	27	PDB header: dna binding protein Chain: B: PDB Molecule: single-stranded dna-binding protein; PDBTitle: crystal structure of a single strand binding protein (ssb) from2 bartonella henselae
44	c3czqA_	Alignment	not modelled	9.9	24	PDB header: transferase Chain: A: PDB Molecule: putative polyphosphate kinase 2; PDBTitle: crystal structure of putative polyphosphate kinase 2 from2 sinorhizobium meliloti
45	c1ue7A_	Alignment	not modelled	9.8	25	PDB header: dna binding protein Chain: A: PDB Molecule: single-strand binding protein; PDBTitle: crystal structure of the single-stranded dna-binding2 protein from mycobacterium tuberculosis
46	d1v1qa_	Alignment	not modelled	9.0	17	Fold: OB-fold Superfamily: Nucleic acid-binding proteins Family: Single strand DNA-binding domain, SSB
47	c3czpA_	Alignment	not modelled	8.8	31	PDB header: transferase Chain: A: PDB Molecule: putative polyphosphate kinase 2; PDBTitle: crystal structure of putative polyphosphate kinase 2 from pseudomonas2 aeruginosa pa01
48	c2iheA_	Alignment	not modelled	8.6	36	PDB header: dna binding protein Chain: A: PDB Molecule: single-stranded dna-binding protein; PDBTitle: crystal structure of wild-type single-stranded dna binding protein2 from thermus aquaticus
49	c2l9dA_	Alignment	not modelled	8.5	21	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: solution structure of the protein yp_546394.1, the first structural2 representative of the pfam family pf12112
50	c2rndA_	Alignment	not modelled	8.4	29	PDB header: endocytosis Chain: A: PDB Molecule: myc box-dependent-interacting protein 1; PDBTitle: structure of the n-terminal barpeptide in dpc micelles
51	c1is7F_	Alignment	not modelled	8.2	14	PDB header: hydrolase/protein binding Chain: F: PDB Molecule: gtp cyclohydrolase i; PDBTitle: crystal structure of rat gtpchi/grp stimulatory complex
52	d1a8ra_	Alignment	not modelled	8.1	17	Fold: T-fold Superfamily: Tetrahydrobiopterin biosynthesis enzymes-like Family: GTP cyclohydrolase I
53	d2d7pa1	Alignment	not modelled	8.1	22	Fold: Immunoglobulin-like beta-sandwich Superfamily: E set domains Family: Filamin repeat (rod domain)
54	d2d7ma1	Alignment	not modelled	7.6	17	Fold: Immunoglobulin-like beta-sandwich Superfamily: E set domains Family: Filamin repeat (rod domain)
55	c3iswA_	Alignment	not modelled	7.4	17	PDB header: structural protein Chain: A: PDB Molecule: filamin-a; PDBTitle: crystal structure of filamin-a immunoglobulin-like repeat 21 bound to2 an n-terminal peptide of cfr
						PDB header: apoptosis

56	c3mx7A_	Alignment	not modelled	7.1	19	Chain: A: PDB Molecule: fas apoptotic inhibitory molecule 1; PDBTitle: crystal structure analysis of human faim-ntd
57	d2w0pa1	Alignment	not modelled	6.9	17	Fold: Immunoglobulin-like beta-sandwich Superfamily: E set domains Family: Filamin repeat (rod domain)
58	d2ntka1	Alignment	not modelled	6.9	26	Fold: Ntn hydrolase-like Superfamily: Archaeal IMP cyclohydrolase PurO Family: Archaeal IMP cyclohydrolase PurO
59	d2do3a1	Alignment	not modelled	6.7	25	Fold: SH3-like barrel Superfamily: Translation proteins SH3-like domain Family: SPT5 KOW domain-like
60	c2l8kA_	Alignment	not modelled	6.6	31	PDB header: viral protein Chain: A: PDB Molecule: non-structural protein 7; PDBTitle: nmr structure of the arterivirus nonstructural protein 7 alpha (nsp72 alpha)
61	d1txya_	Alignment	not modelled	6.6	17	Fold: OB-fold Superfamily: Nucleic acid-binding proteins Family: Single strand DNA-binding domain, SSB
62	d2exna1	Alignment	not modelled	6.4	31	Fold: MOSC N-terminal domain-like Superfamily: MOSC N-terminal domain-like Family: MOSC N-terminal domain-like
63	c3ec1A_	Alignment	not modelled	6.4	23	PDB header: hydrolase, signaling protein Chain: A: PDB Molecule: yqeh gtpase; PDBTitle: structure of yqeh gtpase from geobacillus stearothermophilus2 (an atnos1 / atnoa1 ortholog)
64	c2wojD_	Alignment	not modelled	6.3	19	PDB header: hydrolase Chain: D: PDB Molecule: atpase get3; PDBTitle: adp-alf4 complex of s. cerevisiae get3
65	c3iswB_	Alignment	not modelled	6.3	17	PDB header: structural protein Chain: B: PDB Molecule: filamin-a; PDBTitle: crystal structure of filamin-a immunoglobulin-like repeat 21 bound to2 an n-terminal peptide of cfr
66	c2brgA_	Alignment	not modelled	6.3	17	PDB header: structural protein Chain: A: PDB Molecule: filamin a; PDBTitle: crystal structure of the filamin a repeat 21 complexed with2 the integrin beta7 cytoplasmic tail peptide
67	c2w0pB_	Alignment	not modelled	6.3	17	PDB header: cell adhesion Chain: B: PDB Molecule: filamin-a; PDBTitle: crystal structure of the filamin a repeat 21 complexed with2 the migfilin peptide
68	d1wpla_	Alignment	not modelled	6.2	14	Fold: T-fold Superfamily: Tetrahydrobiopterin biosynthesis enzymes-like Family: GTP cyclohydrolase I
69	c3k6qB_	Alignment	not modelled	6.2	11	PDB header: ligand binding protein Chain: B: PDB Molecule: putative ligand binding protein; PDBTitle: crystal structure of an antitoxin part of a putative toxin/antitoxin2 system (swol_0700) from syntrophomonas wolfei subsp. wolfei at 1.80 a3 resolution
70	d1a9xa3	Alignment	not modelled	6.1	19	Fold: PreATP-grasp domain Superfamily: PreATP-grasp domain Family: BC N-terminal domain-like
71	d1v5pa_	Alignment	not modelled	6.1	21	Fold: PH domain-like barrel Superfamily: PH domain-like Family: Pleckstrin-homology domain (PH domain)
72	c3cf4A_	Alignment	not modelled	5.8	19	PDB header: oxidoreductase Chain: A: PDB Molecule: acetyl-coa decarboxylase/synthase alpha subunit; PDBTitle: structure of the codh component of the m. barkeri acds complex
73	c3bjoA_	Alignment	not modelled	5.8	19	PDB header: nucleotide binding protein Chain: A: PDB Molecule: uncharacterized atp-binding protein mj1010; PDBTitle: crystal structure of the c-terminal domain of a possible atp-binding2 protein from methanocaldococcus jannaschii dsm 2661
74	c2k7qA_	Alignment	not modelled	5.6	14	PDB header: structural protein Chain: A: PDB Molecule: filamin-a; PDBTitle: filamin a ig-like domains 18-19
75	c2r37A_	Alignment	not modelled	5.6	21	PDB header: oxidoreductase Chain: A: PDB Molecule: glutathione peroxidase 3; PDBTitle: crystal structure of human glutathione peroxidase 3 (selenocysteine to2 glycine mutant)
76	d2bp3a1	Alignment	not modelled	5.5	31	Fold: Immunoglobulin-like beta-sandwich Superfamily: E set domains Family: Filamin repeat (rod domain)
77	d2h9fa2	Alignment	not modelled	5.5	19	Fold: Diaminopimelate epimerase-like Superfamily: Diaminopimelate epimerase-like Family: PA0793-like