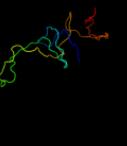
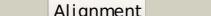
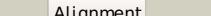
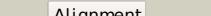
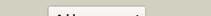
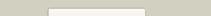


Phyre²

Email	i.a.kelley@imperial.ac.uk
Description	P60624
Date	Thu Jan 5 12:06:57 GMT 2012
Unique Job ID	c7b0541ea8b9228b

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	d2gycs1	 Alignment		100.0	100	Fold: SH3-like barrel Superfamily: Translation proteins SH3-like domain Family: Ribosomal proteins L24p and L21e
2	d2zjrr1	 Alignment		100.0	43	Fold: SH3-like barrel Superfamily: Translation proteins SH3-like domain Family: Ribosomal proteins L24p and L21e
3	c3bb0W_	 Alignment		100.0	34	PDB header: ribosome Chain: W: PDB Molecule: ribosomal protein l24; PDBTitle: homology model for the spinach chloroplast 50s subunit2 fitted to 9.4a cryo-em map of the 70s chlororibosome
4	d2j01y1	 Alignment		100.0	43	Fold: SH3-like barrel Superfamily: Translation proteins SH3-like domain Family: Ribosomal proteins L24p and L21e
5	c2ftcN_	 Alignment		100.0	30	PDB header: ribosome Chain: N: PDB Molecule: mitochondrial ribosomal protein l24; PDBTitle: structural model for the large subunit of the mammalian mitochondrial2 ribosome
6	c3iz5Y_	 Alignment		99.9	28	PDB header: ribosome Chain: Y: PDB Molecule: 60s ribosomal protein l26 (l24p); PDBTitle: localization of the large subunit ribosomal proteins into a 5.5 a2 cryo-em map of triticum aestivum translating 80s ribosome
7	d1vqot1	 Alignment		99.9	27	Fold: SH3-like barrel Superfamily: Translation proteins SH3-like domain Family: Ribosomal proteins L24p and L21e
8	c4a1cS_	 Alignment		99.9	32	PDB header: ribosome Chain: S: PDB Molecule: rpl26; PDBTitle: t thermophilic 60s ribosomal subunit in complex with initiation factor 6. this file contains 5s rrna,3 5.8s rrna and proteins of molecule 4.
9	c1s1iU_	 Alignment		99.8	29	PDB header: ribosome Chain: U: PDB Molecule: 60s ribosomal protein l26-a; PDBTitle: structure of the ribosomal 80s-eef2-sordarin complex from 2 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.
10	c2zkrt_	 Alignment		99.2	33	PDB header: ribosomal protein/rna Chain: T: PDB Molecule: rna expansion segment es39 part iii; 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	c2kvqG_	 Alignment		96.2	19	PDB header: transcription Chain: G: PDB Molecule: transcription antitermination protein nusg; PDBTitle: solution structure of nuse:nusg-ctd complex

12	c2jvvA			96.2	19	PDB header: transcription Chain: A: PDB Molecule: transcription antitermination protein nusg; PDBTitle: solution structure of e. coli nusg carboxyterminal domain
13	d1nppa2			96.0	25	Fold: SH3-like barrel Superfamily: Translation proteins SH3-like domain Family: N-utilization substance G protein NusG, C-terminal domain
14	c3p8bB			95.7	28	PDB header: transferase/transcription Chain: B: PDB Molecule: transcription antitermination protein nusg; PDBTitle: x-ray crystal structure of pyrococcus furiosus transcription2 elongation factor spt4/5
15	d1nz9a			95.5	31	Fold: SH3-like barrel Superfamily: Translation proteins SH3-like domain Family: N-utilization substance G protein NusG, C-terminal domain
16	d2joya1			95.3	24	Fold: SH3-like barrel Superfamily: Translation proteins SH3-like domain Family: Ribosomal protein L14e
17	d2do3a1			95.0	28	Fold: SH3-like barrel Superfamily: Translation proteins SH3-like domain Family: SPT5 KOW domain-like
18	c2ckkA			94.0	16	PDB header: nuclear protein Chain: A: PDB Molecule: kin17; PDBTitle: high resolution crystal structure of the human kin172 c-terminal domain containing a kow motif3 kin17.
19	c2xhcA			93.0	18	PDB header: transcription Chain: A: PDB Molecule: transcription antitermination protein nusg; PDBTitle: crystal structure of thermotoga maritima n-utilization substance g2 (nusg)
20	c1mlgB			92.3	25	PDB header: transcription Chain: B: PDB Molecule: transcription antitermination protein nusg; PDBTitle: crystal structure of aquifex aeolicus n-utilization2 substance g (nusg), space group p2(1)
21	c4a19F		not modelled	91.0	26	PDB header: ribosome Chain: F: PDB Molecule: rpl14; PDBTitle: t.thermophila 60s ribosomal subunit in complex with initiation factor 6. this file contains 26s rrna and 3 proteins of molecule 2.
22	c3izcN		not modelled	90.7	23	PDB header: ribosome Chain: N: PDB Molecule: 60s ribosomal protein rpl14 (l14e); PDBTitle: localization of the large subunit ribosomal proteins into a 6.1 a2 cryo-em map of saccharomyces cerevisiae translating 80s ribosome
23	c3iz5N		not modelled	90.3	23	PDB header: ribosome Chain: N: PDB Molecule: 60s ribosomal protein l14 (l14e); PDBTitle: localization of the large subunit ribosomal proteins into a 5.5 a2 cryo-em map of triticum aestivum translating 80s ribosome
24	c3izcG		not modelled	89.9	24	PDB header: ribosome Chain: G: PDB Molecule: 60s ribosomal protein rpl6 (l16e); PDBTitle: localization of the large subunit ribosomal proteins into a 6.1 a2 cryo-em map of saccharomyces cerevisiae translating 80s ribosome
25	c2e6zA		not modelled	87.6	25	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
26	c4a1dE		not modelled	83.9	35	PDB header: ribosome Chain: E: PDB Molecule: rpl6; PDBTitle: t.thermophila 60s ribosomal subunit in complex with initiation2 factor 6. this file contains 26s rrna and proteins of molecule 4.
27	c4a18N		not modelled	82.2	30	PDB header: ribosome Chain: N: PDB Molecule: rpl27; PDBTitle: t.thermophila 60s ribosomal subunit in complex with initiation2 factor 6. this file contains 26s rrna and proteins of molecule 1
						PDB header: transcription

28	c2e70A	Alignment	not modelled	78.6	31	Chain: A: PDB Molecule: transcription elongation factor spt5; PDBTitle: solution structure of the fifth kow motif of human2 transcription elongation factor spt5
29	c3iz5G	Alignment	not modelled	74.8	32	PDB header: ribosome Chain: G: PDB Molecule: 60s ribosomal protein l6 (l6e); PDBTitle: localization of the large subunit ribosomal proteins into a 5.5 a2 cryo-em map of triticum aestivum translating 80s ribosome
30	c2xzmW	Alignment	not modelled	56.5	16	PDB header: ribosome Chain: W: PDB Molecule: 40s ribosomal protein s4; 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 1
31	c3kbgA	Alignment	not modelled	49.5	12	PDB header: ribosomal protein Chain: A: PDB Molecule: 30s ribosomal protein s4e; PDBTitle: crystal structure of the 30s ribosomal protein s4e from2 thermoplasma acidophilum. northeast structural genomics3 consortium target tar28.
32	c3iz6D	Alignment	not modelled	44.8	29	PDB header: ribosome Chain: D: PDB Molecule: 40s ribosomal protein s4 (s4e); PDBTitle: localization of the small subunit ribosomal proteins into a 5.5 a2 cryo-em map of triticum aestivum translating 80s ribosome
33	d1vhka1	Alignment	not modelled	43.3	18	Fold: PUA domain-like Superfamily: PUA domain-like Family: Yggj N-terminal domain-like
34	c3izca	Alignment	not modelled	42.1	25	PDB header: ribosome Chain: A: PDB Molecule: 60s ribosomal protein rpl1 (l1p); PDBTitle: localization of the large subunit ribosomal proteins into a 6.1 a2 cryo-em map of saccharomyces cerevisiae translating 80s ribosome
35	c4a1aP	Alignment	not modelled	35.8	32	PDB header: ribosome Chain: P: PDB Molecule: 60s ribosomal protein l21; 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.
36	c3iz5a	Alignment	not modelled	35.4	28	PDB header: ribosome Chain: A: PDB Molecule: 60s ribosomal protein l1 (l1p); PDBTitle: localization of the large subunit ribosomal proteins into a 5.5 a2 cryo-em map of triticum aestivum translating 80s ribosome
37	d1nxza1	Alignment	not modelled	30.1	15	Fold: PUA domain-like Superfamily: PUA domain-like Family: Yggj N-terminal domain-like
38	c2dxG	Alignment	not modelled	28.5	22	PDB header: hydrolase Chain: G: PDB Molecule: thiocyanate hydrolase subunit alpha; PDBTitle: recombinant thiocyanate hydrolase, fully-matured form
39	d1o12a1	Alignment	not modelled	24.8	29	Fold: Composite domain of metallo-dependent hydrolases Superfamily: Composite domain of metallo-dependent hydrolases Family: N-acetylglucosamine-6-phosphate deacetylase, NagA
40	c3k7aM	Alignment	not modelled	22.8	15	PDB header: transcription Chain: M: PDB Molecule: transcription initiation factor iib; PDBTitle: crystal structure of an rna polymerase ii-tpiib complex
41	d1ng2a2	Alignment	not modelled	22.8	14	Fold: SH3-like barrel Superfamily: SH3-domain Family: SH3-domain
42	c2kmmA	Alignment	not modelled	20.7	28	PDB header: hydrolase Chain: A: PDB Molecule: guanosine-3',5'-bis(diphosphate) 3'- PDBTitle: solution nmr structure of the tgs domain of pg1808 from2 porphyromonas gingivalis. northeast structural genomics3 consortium target pgr122a (418-481)
43	c3qz9D	Alignment	not modelled	20.3	33	PDB header: lyase Chain: D: PDB Molecule: co-type nitrile hydratase beta subunit; PDBTitle: crystal structure of co-type nitrile hydratase beta-y215f from2 pseudomonas putida.
44	d1wlpb2	Alignment	not modelled	20.1	30	Fold: SH3-like barrel Superfamily: SH3-domain Family: SH3-domain
45	c3izbD	Alignment	not modelled	19.3	23	PDB header: ribosome Chain: D: PDB Molecule: 40s ribosomal protein rps4 (s4e); PDBTitle: localization of the small subunit ribosomal proteins into a 6.1 a2 cryo-em map of saccharomyces cerevisiae translating 80s ribosome
46	c3gqhB	Alignment	not modelled	19.3	19	PDB header: viral protein Chain: B: PDB Molecule: preneck appendage protein; PDBTitle: crystal structure of the bacteriophage phi29 gene product2 12 c-terminal fragment
47	d1pfta	Alignment	not modelled	18.9	14	Fold: Rubredoxin-like Superfamily: Zinc beta-ribbon Family: Transcriptional factor domain
48	d1tova	Alignment	not modelled	18.9	29	Fold: SH3-like barrel Superfamily: Cap-Gly domain Family: Cap-Gly domain
49	d1jb0e	Alignment	not modelled	18.7	23	Fold: SH3-like barrel Superfamily: Electron transport accessory proteins Family: Photosystem I accessory protein E (PsaE)
50	d1dl6a	Alignment	not modelled	18.3	3	Fold: Rubredoxin-like Superfamily: Zinc beta-ribbon Family: Transcriptional factor domain
51	d1psea	Alignment	not modelled	18.0	36	Fold: SH3-like barrel Superfamily: Electron transport accessory proteins Family: Photosystem I accessory protein E (PsaE)
52	c2k6dA	Alignment	not modelled	16.9	30	PDB header: sh3 domain/ubiquitin Chain: A: PDB Molecule: sh3 domain-containing kinase-binding protein 1; PDBTitle: cin85 sh3-c domain in complex with ubiquitin
						Fold: SH3-like barrel

53	d1ugpb	Alignment	not modelled	16.7	30	Superfamily: Electron transport accessory proteins Family: Nitrile hydratase beta chain
54	d1p7ba1	Alignment	not modelled	15.1	26	Fold: Immunoglobulin-like beta-sandwich Superfamily: E set domains Family: Cytoplasmic domain of inward rectifier potassium channel
55	d1qp3a	Alignment	not modelled	14.5	36	Fold: SH3-like barrel Superfamily: Electron transport accessory proteins Family: Photosystem I accessory protein E (PsaE)
56	c3dc1C	Alignment	not modelled	14.4	40	PDB header: structural genomics, unknown function Chain: C: PDB Molecule: tm1086; PDBTitle: crystal structure of tm1086
57	d1k4us	Alignment	not modelled	14.4	35	Fold: SH3-like barrel Superfamily: SH3-domain Family: SH3-domain
58	c2ed0A	Alignment	not modelled	14.2	17	PDB header: signaling protein Chain: A: PDB Molecule: abl interactor 2; PDBTitle: solution structure of the sh3 domain of abl interactor 22 (abelson interactor 2)
59	c2eyxA	Alignment	not modelled	13.6	30	PDB header: signaling protein Chain: A: PDB Molecule: v-crk sarcoma virus ct10 oncogene homolog PDBTitle: c-terminal sh3 domain of ct10-regulated kinase
60	c2gb5B	Alignment	not modelled	13.5	8	PDB header: hydrolase Chain: B: PDB Molecule: nadh pyrophosphatase; PDBTitle: crystal structure of nadh pyrophosphatase (ec 3.6.1.22) (1790429) from escherichia coli k12 at 2.30 a resolution
61	d1v29b	Alignment	not modelled	13.3	11	Fold: SH3-like barrel Superfamily: Electron transport accessory proteins Family: Nitrile hydratase beta chain
62	d2dk3a1	Alignment	not modelled	12.8	38	Fold: SH3-like barrel Superfamily: Mib/herc2 domain-like Family: Mib/herc2 domain
63	c2l0aA	Alignment	not modelled	12.4	17	PDB header: signaling protein Chain: A: PDB Molecule: signal transducing adapter molecule 1; PDBTitle: solution nmr structure of signal transducing adapter molecule 1 stam-12 from homo sapiens, northeast structural genomics consortium target3 hr4479e
64	d2conal	Alignment	not modelled	12.4	25	Fold: Rubredoxin-like Superfamily: NOB1 zinc finger-like Family: NOB1 zinc finger-like
65	d2c78a1	Alignment	not modelled	12.2	24	Fold: Reductase/isomerase/elongation factor common domain Superfamily: Translation proteins Family: Elongation factors
66	c2drmB	Alignment	not modelled	11.8	39	PDB header: contractile protein Chain: B: PDB Molecule: acanthamoeba myosin ib; PDBTitle: acanthamoeba myosin i sh3 domain bound to acan125
67	c2dnua	Alignment	not modelled	11.8	22	PDB header: structural genomics, structural protein Chain: A: PDB Molecule: sh3 multiple domains 1; PDBTitle: solution structure of rsg1 ruh-061, a sh3 domain from human
68	c2xzm1	Alignment	not modelled	11.8	31	PDB header: ribosome Chain: 1: PDB Molecule: ribosomal protein s28e containing protein; PDBTitle: crystal structure of the eukaryotic 40s ribosomal2 subunit in complex with initiation factor 1. this file contains the 40s subunit and initiation factor for4 molecule 1
69	d1xl4a1	Alignment	not modelled	11.7	21	Fold: Immunoglobulin-like beta-sandwich Superfamily: E set domains Family: Cytoplasmic domain of inward rectifier potassium channel
70	d1ne3a	Alignment	not modelled	11.2	38	Fold: OB-fold Superfamily: Nucleic acid-binding proteins Family: Cold shock DNA-binding domain-like
71	d1nlqa	Alignment	not modelled	11.1	9	Fold: Nucleoplasmin-like/VP (viral coat and capsid proteins) Superfamily: Nucleoplasmin-like core domain Family: Nucleoplasmin-like core domain
72	d1ppya	Alignment	not modelled	10.9	24	Fold: Double psi beta-barrel Superfamily: ADC-like Family: Pyruvoyl dependent aspartate decarboxylase, ADC
73	d1ny4a	Alignment	not modelled	10.8	46	Fold: OB-fold Superfamily: Nucleic acid-binding proteins Family: Cold shock DNA-binding domain-like
74	d1gria2	Alignment	not modelled	10.8	30	Fold: SH3-like barrel Superfamily: SH3-domain Family: SH3-domain
75	d1ka5a	Alignment	not modelled	10.7	28	Fold: HPr-like Superfamily: HPr-like Family: HPr-like
76	c2csqA	Alignment	not modelled	10.7	14	PDB header: endocytosis/exocytosis Chain: A: PDB Molecule: rim binding protein 2; PDBTitle: solution structure of the second sh3 domain of human rim-2 binding protein 2
77	c1x2qA	Alignment	not modelled	10.6	22	PDB header: signaling protein Chain: A: PDB Molecule: signal transducing adapter molecule 2; PDBTitle: solution structure of the sh3 domain of the signal2 transducing adaptor molecule 2
78	d2hprra	Alignment	not modelled	10.5	22	Fold: HPr-like Superfamily: HPr-like Family: HPr-like
79	c1wi7A	Alignment	not modelled	10.3	26	PDB header: protein binding Chain: A: PDB Molecule: sh3-domain kinase binding protein 1; PDBTitle: solution structure of the sh3 domain of sh3-domain

						kinase2 binding protein 1
80	c3t07D	Alignment	not modelled	10.3	19	PDB header: transferase/transferase inhibitor Chain: D: PDB Molecule: pyruvate kinase; PDBTitle: crystal structure of s. aureus pyruvate kinase in complex with a2 naturally occurring bis-indole alkaloid
81	c1u4fd	Alignment	not modelled	10.1	25	PDB header: allergen Chain: D: PDB Molecule: inward rectifier potassium channel 2; PDBTitle: crystal structure of cytoplasmic domains of irk1 (kir2.1)2 channel
82	d2b1yal	Alignment	not modelled	10.0	26	Fold: Atu1913-like Superfamily: Atu1913-like Family: Atu1913-like
83	c2bz8B	Alignment	not modelled	10.0	22	PDB header: sh3 domain Chain: B: PDB Molecule: sh3-domain kinase binding protein 1; PDBTitle: n-terminal sh3 domain of cin85 bound to cbl-b peptide
84	d1n9pa	Alignment	not modelled	9.8	23	Fold: immunoglobulin-like beta-sandwich Superfamily: E set domains Family: Cytoplasmic domain of inward rectifier potassium channel
85	d1mxaa2	Alignment	not modelled	9.8	40	Fold: S-adenosylmethionine synthetase Superfamily: S-adenosylmethionine synthetase Family: S-adenosylmethionine synthetase
86	d1cm3a	Alignment	not modelled	9.7	17	Fold: HPr-like Superfamily: HPr-like Family: HPr-like
87	c3ihsB	Alignment	not modelled	9.6	22	PDB header: transport protein Chain: B: PDB Molecule: phosphocarrier protein hpr; PDBTitle: crystal structure of a phosphocarrier protein hpr from2 bacillus anthracis str. ames
88	d2nzul1	Alignment	not modelled	9.5	22	Fold: HPr-like Superfamily: HPr-like Family: HPr-like
89	c3iz5U	Alignment	not modelled	9.5	31	PDB header: ribosome Chain: U: PDB Molecule: 60s ribosomal protein l21 (l21e); PDBTitle: localization of the large subunit ribosomal proteins into a 5.5 a2 cryo-em map of triticum aestivum translating 80s ribosome
90	c1wxbA	Alignment	not modelled	9.4	26	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: epidermal growth factor receptor pathway PDBTitle: solution structure of the sh3 domain from human epidermal2 growth factor receptor pathway substrate 8-like protein
91	c2zkraq	Alignment	not modelled	9.1	36	PDB header: ribosomal protein/rna Chain: Q: PDB Molecule: rna expansion segment es31 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
92	d1uhfa	Alignment	not modelled	8.9	22	Fold: SH3-like barrel Superfamily: SH3-domain Family: SH3-domain
93	c2bzxA	Alignment	not modelled	8.8	22	PDB header: sh3 domain Chain: A: PDB Molecule: crk-like protein; PDBTitle: atomic model of crkl-sh3c monomer
94	d1ug1a	Alignment	not modelled	8.8	24	Fold: SH3-like barrel Superfamily: SH3-domain Family: SH3-domain
95	c2djqa	Alignment	not modelled	8.7	22	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: sh3 domain containing ring finger 2; PDBTitle: the solution structure of the first sh3 domain of mouse sh32 domain containing ring finger 2
96	d1ptfa	Alignment	not modelled	8.7	22	Fold: HPr-like Superfamily: HPr-like Family: HPr-like
97	d1wlpb1	Alignment	not modelled	8.6	13	Fold: SH3-like barrel Superfamily: SH3-domain Family: SH3-domain
98	c2wh7A	Alignment	not modelled	8.3	26	PDB header: hydrolase Chain: A: PDB Molecule: hyaluronidase-phage associated; PDBTitle: the partial structure of a group a streptococcal phage-2 encoded tail fibre hyaluronate lyase hlyp2
99	c2e4fA	Alignment	not modelled	8.2	18	PDB header: transport protein Chain: A: PDB Molecule: g protein-activated inward rectifier potassium channel 2; PDBTitle: crystal structure of the cytoplasmic domain of g-protein-gated inward2 rectifier potassium channel kir3.2