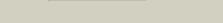
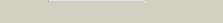
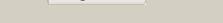
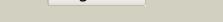
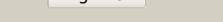
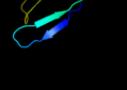
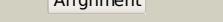


Phyre²

Email	I.a.kelley@imperial.ac.uk
Description	P0A903
Date	Thu Jan 5 11:09:04 GMT 2012
Unique Job ID	5b866f83dc8a531a

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c3tgoD_			100.0	99	PDB header: membrane protein Chain: D: PDB Molecule: lipoprotein 34; PDBTitle: crystal structure of the e. coli bamcd complex
2	c2yh5A_			100.0	100	PDB header: lipid binding protein Chain: A: PDB Molecule: dapx protein; PDBTitle: structure of the c-terminal domain of bamc
3	c2lafA_			99.9	100	PDB header: membrane protein Chain: A: PDB Molecule: lipoprotein 34; PDBTitle: nmr solution structure of the n-terminal domain of the e. coli2 lipoprotein bamc
4	c2yh6C_			99.7	100	PDB header: lipid binding protein Chain: C: PDB Molecule: lipoprotein 34; PDBTitle: structure of the n-terminal domain of bamc from e. coli
5	d1wi6a1			62.2	20	Fold: Ferredoxin-like Superfamily: RNA-binding domain, RBD Family: Canonical RBD
6	d2d7na1			50.3	16	Fold: Immunoglobulin-like beta-sandwich Superfamily: E set domains Family: Filamin repeat (rod domain)
7	d2e9ia1			46.2	11	Fold: Immunoglobulin-like beta-sandwich Superfamily: E set domains Family: Filamin repeat (rod domain)
8	d1qfha1			44.6	7	Fold: Immunoglobulin-like beta-sandwich Superfamily: E set domains Family: Filamin repeat (rod domain)
9	c3kdiA_			40.0	20	PDB header: hormone receptor Chain: A: PDB Molecule: putative uncharacterized protein at2g26040; PDBTitle: structure of (+)-aba bound pyl2
10	d2d7ma1			38.1	12	Fold: Immunoglobulin-like beta-sandwich Superfamily: E set domains Family: Filamin repeat (rod domain)
11	d1wg4a_			37.7	22	Fold: Ferredoxin-like Superfamily: RNA-binding domain, RBD Family: Canonical RBD

12	c3oquB_			31.8	14	PDB header: hormone receptor Chain: B: PDB Molecule: abscisic acid receptor pyl9; PDBTitle: crystal structure of native abscisic acid receptor pyl9 with aba
13	c3k90C_			30.5	14	PDB header: hormone receptor, hydrolase regulator Chain: C: PDB Molecule: putative uncharacterized protein; PDBTitle: the abscisic acid receptor pyr1 in complex with abscisic acid
14	c3p51A_			30.3	16	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: three-dimensional structure of protein q2y8n9_nitmu from nitrosospira2 multiformis, northeast structural genomics consortium target nmr118
15	c3klxB_			30.2	14	PDB header: hormone receptor Chain: B: PDB Molecule: f3n23.20 protein; PDBTitle: crystal structure of native abscisic acid receptor pyl3
16	d2di8a1			28.4	10	Fold: immunoglobulin-like beta-sandwich Superfamily: E set domains Family: Filamin repeat (rod domain)
17	d2diba1			28.4	20	Fold: immunoglobulin-like beta-sandwich Superfamily: E set domains Family: Filamin repeat (rod domain)
18	d1wgla_			26.7	18	Fold: Ferredoxin-like Superfamily: RNA-binding domain, RBD Family: Canonical RBD
19	c1ksrA_			26.3	13	PDB header: actin binding protein Chain: A: PDB Molecule: gelation factor; PDBTitle: the repeating segments of the f-actin cross-linking2 gelation factor (abp-120) have an immunoglobulin fold, nmr,3 20 structures
20	c3iswA_			24.7	13	PDB header: structural protein Chain: A: PDB Molecule: filamin-a; PDBTitle: crystal structure of filamin-a immunoglobulin-like repeat 21 bound to an n-terminal peptide of cfr
21	c2brqB_		not modelled	24.5	13	PDB header: structural protein Chain: B: PDB Molecule: filamin a; PDBTitle: crystal structure of the filamin a repeat 21 complexed with2 the integrin beta7 cytoplasmic tail peptide
22	d2d7oa1		not modelled	24.5	16	Fold: immunoglobulin-like beta-sandwich Superfamily: E set domains Family: Filamin repeat (rod domain)
23	d2di9a1		not modelled	23.5	16	Fold: immunoglobulin-like beta-sandwich Superfamily: E set domains Family: Filamin repeat (rod domain)
24	c3e8vA_		not modelled	22.6	20	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: possible transglutaminase-family protein; PDBTitle: crystal structure of a possible transglutaminase-family2 protein proteolytic fragment from bacteroides fragilis
25	c3qtjA_		not modelled	22.2	25	PDB header: hormone receptor Chain: A: PDB Molecule: abscisic acid receptor pyl10; PDBTitle: crystal strcture of aba receptor pyl10 (apo)
26	c2le1A_		not modelled	20.9	20	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: solution nmr structure of tfu_2981 from thermobifida fusca, northeast2 structural genomics consortium target tfr85a
27	c2pxgA_		not modelled	20.6	17	PDB header: membrane protein Chain: A: PDB Molecule: outer membrane protein; PDBTitle: nmr solution structure of omfa
28	d1r89a3		not modelled	20.4	19	Fold: Ferredoxin-like Superfamily: PAP/Archaeal CCA-adding enzyme, C-terminal domain Family: Archaeal tRNA CCA-adding enzyme
						PDB header: structural protein

29	c2di7A_	Alignment	not modelled	20.1	22	Chain: A; PDB Molecule: bk158_1; PDBTitle: solution structure of the filamin domain from human bk158_12 protein
30	d2dmba1	Alignment	not modelled	20.0	7	Fold: Immunoglobulin-like beta-sandwich Superfamily: E set domains Family: Filamin repeat (rod domain)
31	c2ds4A_	Alignment	not modelled	19.7	9	PDB header: protein binding Chain: A; PDB Molecule: tripartite motif protein 45; PDBTitle: solution structure of the filamin domain from human2 tripartite motif protein 45
32	d2d7pa1	Alignment	not modelled	19.4	11	Fold: Immunoglobulin-like beta-sandwich Superfamily: E set domains Family: Filamin repeat (rod domain)
33	c3hz7A_	Alignment	not modelled	19.2	18	PDB header: structural genomics, unknown function Chain: A; PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of the sira-like protein (dsy4693) from2 desulfitobacterium hafniense, northeast structural genomics3 consortium target dhr2a
34	d2cpda1	Alignment	not modelled	18.1	9	Fold: Ferredoxin-like Superfamily: RNA-binding domain, RBD Family: Canonical RBD
35	c2k9uA_	Alignment	not modelled	17.7	15	PDB header: structural protein Chain: A; PDB Molecule: gamma filamin; PDBTitle: solution nmr structure of the filamin-migfilin complex
36	c2e44A_	Alignment	not modelled	17.7	15	PDB header: rna binding protein Chain: A; PDB Molecule: insulin-like growth factor 2 mrna binding PDBTitle: solution structure of rna binding domain in insulin-like2 growth factor 2 mrna binding protein 3
37	d1uv7a_	Alignment	not modelled	17.5	10	Fold: RRF/tRNA synthetase additional domain-like Superfamily: General secretion pathway protein M, EpsM Family: General secretion pathway protein M, EpsM
38	c1uv7A_	Alignment	not modelled	17.5	10	PDB header: transport Chain: A; PDB Molecule: general secretion pathway protein m; PDBTitle: periplasmic domain of epsm from vibrio cholerae
39	d3cnwa1	Alignment	not modelled	17.5	12	Fold: TBP-like Superfamily: Bet v1-like Family: Atu1531-like
40	d1wlha1	Alignment	not modelled	16.4	15	Fold: Immunoglobulin-like beta-sandwich Superfamily: E set domains Family: Filamin repeat (rod domain)
41	c2k7qA_	Alignment	not modelled	16.3	14	PDB header: structural protein Chain: A; PDB Molecule: filamin-a; PDBTitle: filamin a ig-like domains 18-19
42	d2dj4a1	Alignment	not modelled	16.3	20	Fold: Immunoglobulin-like beta-sandwich Superfamily: E set domains Family: Filamin repeat (rod domain)
43	c2db8A_	Alignment	not modelled	16.3	13	PDB header: protein binding Chain: A; PDB Molecule: tripartite motif protein 9, isoform 2; PDBTitle: solution structures of the fn3 domain of human tripartite2 motif protein 9
44	d2w0pa1	Alignment	not modelled	16.1	13	Fold: Immunoglobulin-like beta-sandwich Superfamily: E set domains Family: Filamin repeat (rod domain)
45	c2f7IA_	Alignment	not modelled	16.0	13	PDB header: isomerase Chain: A; PDB Molecule: 455aa long hypothetical phospho-sugar mutase; PDBTitle: crystal structure of sulfolobus tokodaii2 phosphomannomutase/phosphoglucomutase
46	c3c04A_	Alignment	not modelled	15.8	13	PDB header: isomerase Chain: A; PDB Molecule: phosphomannomutase/phosphoglucomutase; PDBTitle: structure of the p368g mutant of pmmpm/pgm from p. aeruginosa
47	c3begB_	Alignment	not modelled	15.8	20	PDB header: transferase/splicing Chain: B; PDB Molecule: splicing factor, arginine-serine-rich 1; PDBTitle: crystal structure of sr protein kinase 1 complexed to its substrate2 asf/sf2
48	c2npbA_	Alignment	not modelled	15.4	28	PDB header: oxidoreductase Chain: A; PDB Molecule: selenoprotein w; PDBTitle: nmr solution structure of mouse selw
49	d2g7ja1	Alignment	not modelled	14.7	33	Fold: Secretion chaperone-like Superfamily: YgaC/TfoX-N like Family: YgaC-like
50	d1je3a_	Alignment	not modelled	13.7	16	Fold: IF3-like Superfamily: SirA-like Family: SirA-like
51	d2rera1	Alignment	not modelled	12.8	18	Fold: TBP-like Superfamily: Bet v1-like Family: oligoketide cyclase/dehydrase-like
52	d1axib2	Alignment	not modelled	12.6	18	Fold: Immunoglobulin-like beta-sandwich Superfamily: Fibronectin type III Family: Fibronectin type III
53	c2jxfA_	Alignment	not modelled	12.5	9	PDB header: viral protein, membrane protein Chain: A; PDB Molecule: genome polyprotein; PDBTitle: the solution structure of hcv ns4b(40-69)
54	c3pdkB_	Alignment	not modelled	12.3	11	PDB header: isomerase Chain: B; PDB Molecule: phosphoglucosamine mutase; PDBTitle: crystal structure of phosphoglucosamine mutase from b. anthracis
55	d1v05a_	Alignment	not modelled	12.1	18	Fold: Immunoglobulin-like beta-sandwich Superfamily: E set domains

						Family: Filamin repeat (rod domain)
56	c2ee6A_	Alignment	not modelled	12.1	15	PDB header: structural protein Chain: A: PDB Molecule: filamin-b; PDBTitle: solution structure of the 21th filamin domain from human2 filamin-b
57	d2dica1	Alignment	not modelled	11.7	15	Fold: immunoglobulin-like beta-sandwich Superfamily: E set domains Family: Filamin repeat (rod domain)
58	c1qfhB_	Alignment	not modelled	11.5	8	PDB header: actin binding protein Chain: B: PDB Molecule: protein (gelation factor); PDBTitle: dimerization of gelation factor from dictyostelium discoideum: crystal structure of rod domains 5 and 6
59	d2d4ra1	Alignment	not modelled	11.3	5	Fold: TBP-like Superfamily: Bet v1-like Family: oligoketide cyclase/dehydrase-like
60	c2iyjA_	Alignment	not modelled	11.3	25	PDB header: isomerase Chain: A: PDB Molecule: thiol disulfide interchange protein dsbc; PDBTitle: crystal structure of the n-terminal dimer domain of e.coli2 dsbc
61	d1x4xa1	Alignment	not modelled	11.2	15	Fold: immunoglobulin-like beta-sandwich Superfamily: Fibronectin type III Family: Fibronectin type III
62	d1v5ja_	Alignment	not modelled	10.8	16	Fold: immunoglobulin-like beta-sandwich Superfamily: Fibronectin type III Family: Fibronectin type III
63	d1iarb2	Alignment	not modelled	10.2	21	Fold: immunoglobulin-like beta-sandwich Superfamily: Fibronectin type III Family: Fibronectin type III
64	c3rghA_	Alignment	not modelled	9.9	23	PDB header: cell adhesion Chain: A: PDB Molecule: filamin-a; PDBTitle: structure of filamin a immunoglobulin-like repeat 10 from homo sapiens
65	d2diaa1	Alignment	not modelled	9.9	20	Fold: immunoglobulin-like beta-sandwich Superfamily: E set domains Family: Filamin repeat (rod domain)
66	d2uubk1	Alignment	not modelled	9.9	16	Fold: Ribonuclease H-like motif Superfamily: Translational machinery components Family: Ribosomal protein L18 and S11
67	d1qfha2	Alignment	not modelled	9.8	9	Fold: immunoglobulin-like beta-sandwich Superfamily: E set domains Family: Filamin repeat (rod domain)
68	c3iswB_	Alignment	not modelled	9.8	13	PDB header: structural protein Chain: B: PDB Molecule: filamin-a; PDBTitle: crystal structure of filamin-a immunoglobulin-like repeat 21 bound to 2 an n-terminal peptide of cftr
69	c2w0pB_	Alignment	not modelled	9.8	13	PDB header: cell adhesion Chain: B: PDB Molecule: filamin-a; PDBTitle: crystal structure of the filamin a repeat 21 complexed with2 the migfilin peptide
70	c2brqA_	Alignment	not modelled	9.8	13	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
71	c1n26A_	Alignment	not modelled	9.8	14	PDB header: cytokine Chain: A: PDB Molecule: il-6 receptor alpha chain; PDBTitle: crystal structure of the extra-cellular domains of human interleukin-62 receptor alpha chain
72	d2dmca1	Alignment	not modelled	9.7	7	Fold: immunoglobulin-like beta-sandwich Superfamily: E set domains Family: Filamin repeat (rod domain)
73	d2b79a1	Alignment	not modelled	9.7	24	Fold: TBP-like Superfamily: Bet v1-like Family: Smu440-like
74	c3cnkB_	Alignment	not modelled	9.6	9	PDB header: structural protein Chain: B: PDB Molecule: filamin-a; PDBTitle: crystal structure of the dimerization domain of human2 filamin a
75	d1hn0a3	Alignment	not modelled	9.5	15	Fold: Hyaluronate lyase-like, C-terminal domain Superfamily: Hyaluronate lyase-like, C-terminal domain Family: Hyaluronate lyase-like, C-terminal domain
76	d1q38a_	Alignment	not modelled	9.1	24	Fold: immunoglobulin-like beta-sandwich Superfamily: Fibronectin type III Family: Fibronectin type III
77	d1t1ea2	Alignment	not modelled	9.0	16	Fold: Ferrodoxin-like Superfamily: Protease propeptides/inhibitors Family: Subtilase propeptides/inhibitors
78	d1q9ua_	Alignment	not modelled	9.0	27	Fold: TBP-like Superfamily: TT1751-like Family: TT1751-like
79	c3tfzB_	Alignment	not modelled	9.0	15	PDB header: biosynthetic protein Chain: B: PDB Molecule: cyclase; PDBTitle: crystal structure of zhui aromatase/cyclase from streptomyces sp.2 r1128
80	c2f3jA_	Alignment	not modelled	8.9	20	PDB header: transport protein Chain: A: PDB Molecule: rna and export factor binding protein 2; PDBTitle: the solution structure of the ref2-i mrna export factor2 (residues 1-155).
81	c2glfB_	Alignment	not modelled	8.8	5	PDB header: hydrolase Chain: B: PDB Molecule: probable m18-family aminopeptidase 1; PDBTitle: crystal structure of aminopeptidase (m18 family) from thermotoga2 maritima
						Fold: Ferrodoxin-like

82	d3begb1	Alignment	not modelled	8.8	20	Superfamily: RNA-binding domain, RBD Family: Canonical RBD
83	c1wqaB_	Alignment	not modelled	8.8	21	PDB header: isomerase Chain: B: PDB Molecule: phospho-sugar mutase; PDBTitle: crystal structure of pyrococcus horikoshii2 phosphomannomutase/phosphoglucomutase complexed with mg2+
84	d2qalk1	Alignment	not modelled	8.6	20	Fold: Ribonuclease H-like motif Superfamily: Translational machinery components Family: Ribosomal protein L18 and S11
85	d1fyhb1	Alignment	not modelled	8.5	15	Fold: Immunoglobulin-like beta-sandwich Superfamily: Fibronectin type III Family: Fibronectin type III
86	d3d85d3	Alignment	not modelled	8.5	9	Fold: Immunoglobulin-like beta-sandwich Superfamily: Fibronectin type III Family: Fibronectin type III
87	c2rneA_	Alignment	not modelled	8.3	16	PDB header: rna binding protein Chain: A: PDB Molecule: tia1 protein; PDBTitle: solution structure of the second rna recognition motif2 (rrm) of tia-1
88	d2g22a1	Alignment	not modelled	8.2	9	Fold: Ava3019-like Superfamily: Ava3019-like Family: Ava3019-like
89	d2bp3a1	Alignment	not modelled	7.9	13	Fold: Immunoglobulin-like beta-sandwich Superfamily: E set domains Family: Filamin repeat (rod domain)
90	c2j3sB_	Alignment	not modelled	7.9	14	PDB header: structural protein Chain: B: PDB Molecule: filamin-a; PDBTitle: crystal structure of the human filamin a ig domains 19 to2 21
91	d1i7na1	Alignment	not modelled	7.8	21	Fold: PreATP-grasp domain Superfamily: PreATP-grasp domain Family: Synapsin domain
92	d2od4a1	Alignment	not modelled	7.8	20	Fold: Ferredoxin-like Superfamily: Dimeric alpha+beta barrel Family: Marine metagenome family DABB2
93	c2dhxA_	Alignment	not modelled	7.6	24	PDB header: rna binding protein Chain: A: PDB Molecule: poly (adp-ribose) polymerase family, member 10 PDBTitle: solution structure of the rrm domain in the human poly (adp-2 ribose) polymerase family, member 10 variant
94	c2nqcA_	Alignment	not modelled	7.4	15	PDB header: immune system Chain: A: PDB Molecule: filamin-c; PDBTitle: crystal structure of ig-like domain 23 from human filamin c
95	d2nqca1	Alignment	not modelled	7.4	15	Fold: Immunoglobulin-like beta-sandwich Superfamily: E set domains Family: Filamin repeat (rod domain)
96	c2yrzA_	Alignment	not modelled	7.2	19	PDB header: cell adhesion Chain: A: PDB Molecule: integrin beta-4; PDBTitle: solution structure of the fibronectin type iii domain of2 human integrin beta-4
97	d1x5ia1	Alignment	not modelled	7.0	16	Fold: Immunoglobulin-like beta-sandwich Superfamily: Fibronectin type III Family: Fibronectin type III
98	d1a8ya3	Alignment	not modelled	6.9	7	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Calsequestrin
99	d2vkwa2	Alignment	not modelled	6.9	22	Fold: Immunoglobulin-like beta-sandwich Superfamily: Fibronectin type III Family: Fibronectin type III