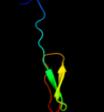
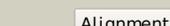
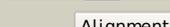
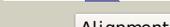
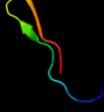
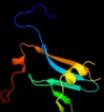
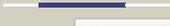
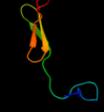
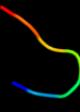
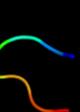


Phyre2

Email	I.a.kelley@imperial.ac.uk
Description	P45750
Date	Thu Jan 5 12:03:30 GMT 2012
Unique Job ID	2777ab3fc300eabb

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c2ivwA_	 Alignment		96.7	21	PDB header: lipoprotein Chain: A: PDB Molecule: pilp pilot protein; PDBTitle: the solution structure of a domain from the neisseria2 meningitidis pilp pilot protein.
2	c2lc4A_	 Alignment		96.5	14	PDB header: structural protein Chain: A: PDB Molecule: pilp protein; PDBTitle: solution structure of pilp from pseudomonas aeruginosa
3	c3ossC_	 Alignment		83.8	19	PDB header: protein transport Chain: C: PDB Molecule: type 2 secretion system, gspc; PDBTitle: the crystal structure of enterotoxigenic escherichia coli gspc-gspd2 complex from the type ii secretion system
4	d2r6gf1	 Alignment		22.5	16	Fold: MalF N-terminal region-like Superfamily: MalF N-terminal region-like Family: MalF N-terminal region-like
5	c2e61A_	 Alignment		16.4	27	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: zinc finger cw-type pwwp domain protein 1; PDBTitle: solution structure of the zf-cw domain in zinc finger cw-type pwwp2 domain protein 1
6	c2jh3C_	 Alignment		12.4	32	PDB header: ribosomal protein Chain: C: PDB Molecule: ribosomal protein s2-related protein; PDBTitle: the crystal structure of dr2241 from deinococcus2 radiodurans at 1.9 a resolution reveals a multi-domain3 protein with structural similarity to chelatascs but also4 with two additional novel domains
7	c1rk8C_	 Alignment		12.4	20	PDB header: translation Chain: C: PDB Molecule: within the bgcn gene intron protein; PDBTitle: structure of the cytosolic protein pym bound to the mago-2 y14 core of the exon junction complex
8	d1rk8c_	 Alignment		12.4	20	Fold: WW domain-like Superfamily: Pym (Within the bgcn gene intron protein, WIBG), N-terminal domain Family: Pym (Within the bgcn gene intron protein, WIBG), N-terminal domain
9	c2flzB_	 Alignment		10.9	13	PDB header: hydrolase Chain: B: PDB Molecule: ubiquitin carboxyl-terminal hydrolase 7; PDBTitle: crystal structure of hausp
10	d2hd5a1	 Alignment		10.6	8	Fold: Cysteine proteinases Superfamily: Cysteine proteinases Family: Ubiquitin carboxyl-terminal hydrolase, UCH
11	d2ayna1	 Alignment		9.7	16	Fold: Cysteine proteinases Superfamily: Cysteine proteinases Family: Ubiquitin carboxyl-terminal hydrolase, UCH

12	c3mhsA	Alignment		9.0	24	PDB header: hydrolase/transcription regulator/protei Chain: A: PDB Molecule: ubiquitin carboxyl-terminal hydrolase 8; PDBTitle: structure of the saga ubp8/sgf11/sus1/sgf73 dub module bound to2 ubiquitin aldehyde
13	d2f21a1	Alignment		8.7	43	Fold: WW domain-like Superfamily: WW domain Family: WW domain
14	d2itka1	Alignment		8.2	43	Fold: WW domain-like Superfamily: WW domain Family: WW domain
15	d1xaka	Alignment		8.1	57	Fold: Immunoglobulin-like beta-sandwich Superfamily: Accessory protein X4 (ORF8, ORF7a) Family: Accessory protein X4 (ORF8, ORF7a)
16	c21azA	Alignment		7.8	29	PDB header: signaling protein/transcription Chain: A: PDB Molecule: e3 ubiquitin-protein ligase smurf1; PDBTitle: structure of the first ww domain of human smurf1 in complex with a2 mono-phosphorylated human smad1 derived peptide
17	c21b0A	Alignment		7.8	29	PDB header: signaling protein/transcription Chain: A: PDB Molecule: e3 ubiquitin-protein ligase smurf1; PDBTitle: structure of the first ww domain of human smurf1 in complex with a di-2 phosphorylated human smad1 derived peptide
18	d2ysca1	Alignment		7.7	14	Fold: WW domain-like Superfamily: WW domain Family: WW domain
19	c2kq0A	Alignment		7.5	38	PDB header: ligase Chain: A: PDB Molecule: e3 ubiquitin-protein ligase nedd4; PDBTitle: human nedd4 3rd ww domain complex with ebola zaire virus matrix2 protein vp40 derived peptide ilptappeynea
20	d1tg7a2	Alignment		7.0	25	Fold: Galactose-binding domain-like Superfamily: Galactose-binding domain-like Family: Beta-galactosidase LacA, domains 4 and 5
21	c3h6sE	Alignment	not modelled	6.7	13	PDB header: hydrolase/hydrolase inhibitor Chain: E: PDB Molecule: clitocypin analog; PDBTitle: structure of clitocypin - cathepsin v complex
22	d1pina1	Alignment	not modelled	6.7	43	Fold: WW domain-like Superfamily: WW domain Family: WW domain
23	d2jmfa1	Alignment	not modelled	6.6	57	Fold: WW domain-like Superfamily: WW domain Family: WW domain
24	c1yo4A	Alignment	not modelled	6.5	57	PDB header: viral protein Chain: A: PDB Molecule: hypothetical protein x4; PDBTitle: solution structure of the sars coronavirus orf 7a coded x42 protein
25	d1w9sa	Alignment	not modelled	6.3	11	Fold: Galactose-binding domain-like Superfamily: Galactose-binding domain-like Family: Family 6 carbohydrate binding module, CBM6
26	d1hk9a	Alignment	not modelled	6.1	12	Fold: Sm-like fold Superfamily: Sm-like ribonucleoproteins Family: Pleiotropic translational regulator Hfq
27	c2jv4A	Alignment	not modelled	5.8	43	PDB header: isomerase Chain: A: PDB Molecule: peptidyl-prolyl cis/trans isomerase; PDBTitle: structure characterisation of pina ww domain and comparison2 with other group iv ww domains, pin1 and ess1
28	d1ft8e	Alignment	not modelled	5.7	45	Fold: Ferredoxin-like Superfamily: RNA-binding domain, RBD Family: Non-canonical RBD domain
						PDB header: protein binding Chain: A: PDB Molecule: e3 ubiquitin-protein ligase itchy

29	c2ysfA_	Alignment	not modelled	5.7	43	homolog; PDBTitle: solution structure of the fourth ww domain from the human2 e3 ubiquitin-protein ligase itchy homolog, itch
30	d2gpfa1	Alignment	not modelled	5.6	8	Fold: Mbth/L9 domain-like Superfamily: Mbth-like Family: Mbth-like
31	c2jmfA_	Alignment	not modelled	5.6	25	PDB header: ligase/signaling protein Chain: A: PDB Molecule: e3 ubiquitin-protein ligase suppressor of deltex; PDBTitle: solution structure of the su(dx) ww4- notch py peptide2 complex
32	c2khrA_	Alignment	not modelled	5.5	8	PDB header: biosynthetic protein Chain: A: PDB Molecule: protein mbth; PDBTitle: solution structure of rv2377c, a mbth-like protein from mycobacterium2 tuberculosis
33	c3qhsD_	Alignment	not modelled	5.5	12	PDB header: rna binding protein Chain: D: PDB Molecule: protein hfq; PDBTitle: crystal structure of full-length hfq from escherichia coli
34	d2psbx1	Alignment	not modelled	5.2	8	Fold: Mbth/L9 domain-like Superfamily: Mbth-like Family: Mbth-like