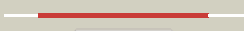
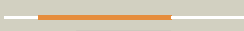
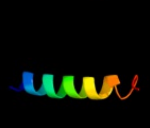
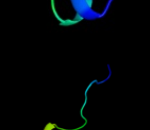
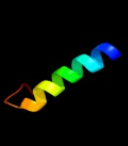
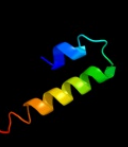
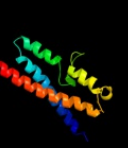


Phyre2

Email	I.a.kelley@imperial.ac.uk
Description	P77315
Date	Thu Jan 5 12:27:38 GMT 2012
Unique Job ID	983aece7b3759376

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c2nq2A_	 Alignment		97.7	14	PDB header: metal transport Chain: A: PDB Molecule: hypothetical abc transporter permease protein PDBTitle: an inward-facing conformation of a putative metal-chelate2 type abc transporter.
2	d1l7va_	 Alignment		97.1	14	Fold: ABC transporter involved in vitamin B12 uptake, BtuC Superfamily: ABC transporter involved in vitamin B12 uptake, BtuC Family: ABC transporter involved in vitamin B12 uptake, BtuC
3	c2b2hA_	 Alignment		85.0	11	PDB header: transport protein Chain: A: PDB Molecule: ammonium transporter; PDBTitle: ammonium transporter amt-1 from a. fulgidus (as)
4	d1u7ga_	 Alignment		55.0	12	Fold: Ammonium transporter Superfamily: Ammonium transporter Family: Ammonium transporter
5	c2jwaA_	 Alignment		34.2	29	PDB header: transferase Chain: A: PDB Molecule: receptor tyrosine-protein kinase erbb-2; PDBTitle: erbb2 transmembrane segment dimer spatial structure
6	d2e74g1	 Alignment		16.4	21	Fold: Single transmembrane helix Superfamily: PetG subunit of the cytochrome b6f complex Family: PetG subunit of the cytochrome b6f complex
7	c3p5nA_	 Alignment		13.5	13	PDB header: transport protein Chain: A: PDB Molecule: riboflavin uptake protein; PDBTitle: structure and mechanism of the s component of a bacterial ecf2 transporter
8	c3pxpA_	 Alignment		12.1	24	PDB header: transcription regulator Chain: A: PDB Molecule: helix-turn-helix domain protein; PDBTitle: crystal structure of a pas and dna binding domain containing protein2 (caur_2278) from chloroflexus aurantiacus j-10-fl at 2.30 a3 resolution
9	c1y6uA_	 Alignment		10.9	22	PDB header: dna binding protein Chain: A: PDB Molecule: excisionase from transposon tn916; PDBTitle: the structure of the excisionase (xis) protein from2 conjugative transposon tn916 provides insights into the3 regulation of heterobivalent tyrosine recombinases
10	d1jb0d_	 Alignment		9.3	25	Fold: Photosystem I subunit PsdD Superfamily: Photosystem I subunit PsdD Family: Photosystem I subunit PsdD
11	c2k21A_	 Alignment		9.0	0	PDB header: membrane protein Chain: A: PDB Molecule: potassium voltage-gated channel subfamily e PDBTitle: nmr structure of human kcne1 in Impg micelles at ph 6.0 and2 40 degree c

12	d1vf5g_	Alignment		6.9	25	Fold: Single transmembrane helix Superfamily: PetG subunit of the cytochrome b6f complex Family: PetG subunit of the cytochrome b6f complex
13	c1vf5G_	Alignment		6.9	25	PDB header: photosynthesis Chain: G: PDB Molecule: protein pet g; PDBTitle: crystal structure of cytochrome b6f complex from m.laminosus
14	c2l2tA_	Alignment		6.7	21	PDB header: membrane protein Chain: A: PDB Molecule: receptor tyrosine-protein kinase erbb-4; PDBTitle: solution nmr structure of the erbb4 dimeric membrane domain
15	d2iuba2	Alignment		6.7	21	Fold: Transmembrane helix hairpin Superfamily: Magnesium transport protein CorA, transmembrane region Family: Magnesium transport protein CorA, transmembrane region
16	d1pw4a_	Alignment		6.5	15	Fold: MFS general substrate transporter Superfamily: MFS general substrate transporter Family: Glycerol-3-phosphate transporter
17	c3hd6A_	Alignment		6.3	11	PDB header: membrane protein, transport protein Chain: A: PDB Molecule: ammonium transporter rh type c; PDBTitle: crystal structure of the human rhesus glycoprotein rhcg
18	c3u5eL_	Alignment		5.9	44	PDB header: ribosome Chain: L: PDB Molecule: 60s ribosomal protein l13-a; PDBTitle: the structure of the eukaryotic ribosome at 3.0 resolution
19	c4a18U_	Alignment		5.8	44	PDB header: ribosome Chain: U: PDB Molecule: rpl13; PDBTitle: t.thermophila 60s ribosomal subunit in complex with initiation2 factor 6. this file contains 26s rna and proteins of molecule 1
20	c2o01D_	Alignment		5.6	20	PDB header: photosynthesis Chain: D: PDB Molecule: photosystem i reaction center subunit ii, PDBTitle: the structure of a plant photosystem i supercomplex at 3.42 angstrom resolution
21	c2wseD_	Alignment	not modelled	5.6	20	PDB header: photosynthesis Chain: D: PDB Molecule: photosystem i reaction center subunit ii, PDBTitle: improved model of plant photosystem i
22	c2k9yB_	Alignment	not modelled	5.6	22	PDB header: transferase Chain: B: PDB Molecule: ephrin type-a receptor 2; PDBTitle: epha2 dimeric structure in the lipidic bicelle at ph 5.0
23	c2k9yA_	Alignment	not modelled	5.6	22	PDB header: transferase Chain: A: PDB Molecule: ephrin type-a receptor 2; PDBTitle: epha2 dimeric structure in the lipidic bicelle at ph 5.0
24	c1a87A_	Alignment	not modelled	5.3	13	PDB header: bacteriocin Chain: A: PDB Molecule: colicin n; PDBTitle: colicin n
25	d1a87a_	Alignment	not modelled	5.3	13	Fold: Toxins' membrane translocation domains Superfamily: Colicin Family: Colicin