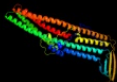
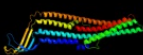
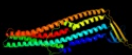
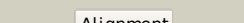
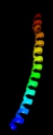
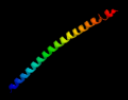
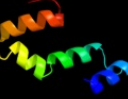
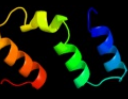


Phyre2

Email	I.a.kelley@imperial.ac.uk
Description	P33369
Date	Thu Jan 5 11:52:09 GMT 2012
Unique Job ID	748711cc5c4d203b

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	dlwpla_	 Alignment		100.0	23	Fold: Outer membrane efflux proteins (OEP) Superfamily: Outer membrane efflux proteins (OEP) Family: Outer membrane efflux proteins (OEP)
2	c3pikA_	 Alignment		100.0	23	PDB header: transport protein Chain: A: PDB Molecule: cation efflux system protein cusc; PDBTitle: outer membrane protein cusc
3	c1yc9A_	 Alignment		100.0	27	PDB header: membrane protein Chain: A: PDB Molecule: multidrug resistance protein; PDBTitle: the crystal structure of the outer membrane protein vcec from the2 bacterial pathogen vibrio cholerae at 1.8 resolution
4	c1tqqC_	 Alignment		100.0	15	PDB header: transport protein Chain: C: PDB Molecule: outer membrane protein tolC; PDBTitle: structure of tolC in complex with hexammincobalt
5	d1ek9a_	 Alignment		100.0	15	Fold: Outer membrane efflux proteins (OEP) Superfamily: Outer membrane efflux proteins (OEP) Family: Outer membrane efflux proteins (OEP)
6	c3fppB_	 Alignment		43.6	11	PDB header: membrane protein Chain: B: PDB Molecule: macrolide-specific efflux protein maca; PDBTitle: crystal structure of e.coli maca
7	c1urqC_	 Alignment		42.2	15	PDB header: transport protein Chain: C: PDB Molecule: synaptosomal-associated protein 25; PDBTitle: crystal structure of neuronal q-snares in complex with2 r-snares motif of tomosyn
8	c2e76D_	 Alignment		29.5	23	PDB header: photosynthesis Chain: D: PDB Molecule: cytochrome b6-f complex iron-sulfur subunit; PDBTitle: crystal structure of the cytochrome b6f complex with tridecyl-2 stigmatellin (tds) from m.laminosus
9	c3b5nC_	 Alignment		23.9	8	PDB header: membrane protein Chain: C: PDB Molecule: protein transport protein sec9; PDBTitle: structure of the yeast plasma membrane snare complex
10	d1v5ra1	 Alignment		20.3	50	Fold: N domain of copper amine oxidase-like Superfamily: GAS2 domain-like Family: GAS2 domain
11	c1nhlA_	 Alignment		14.6	15	PDB header: protein transport Chain: A: PDB Molecule: synaptosomal-associated protein 23; PDBTitle: snap-23n structure

12	c1l4aC_	Alignment		13.8	18	PDB header: endocytosis/exocytosis Chain: C: PDB Molecule: s-snap25 fusion protein; PDBTitle: x-ray structure of the neuronal complexin/snare complex2 from the squid loligo pealei
13	c2l06A_	Alignment		12.3	17	PDB header: protein binding Chain: A: PDB Molecule: phycobilisome lcm core-membrane linker polypeptide; PDBTitle: solution nmr structure of the pbs linker polypeptide domain (fragment2 254-400) of phycobilisome linker protein apce from synechocystis sp.3 pcc 6803. northeast structural genomics consortium target sgr209c
14	c3ohwB_	Alignment		11.6	12	PDB header: protein binding Chain: B: PDB Molecule: phycobilisome lcm core-membrane linker polypeptide; PDBTitle: x-ray structure of phycobilisome lcm core-membrane linker polypeptide2 (fragment 721-860) from synechocystis sp. pcc 6803, northeast3 structural genomics consortium target sgr209e
15	d2ljlra1	Alignment		10.6	20	Fold: Api92-like Superfamily: Api92-like Family: Api92-like
16	c2l3wA_	Alignment		10.5	15	PDB header: photosynthesis Chain: A: PDB Molecule: phycobilisome rod linker polypeptide; PDBTitle: solution nmr structure of the pbs linker domain of phycobilisome rod2 linker polypeptide from synechococcus elongatus, northeast structural3 genomics consortium target snr168a
17	c3pruD_	Alignment		10.3	20	PDB header: photosynthesis Chain: D: PDB Molecule: phycobilisome 32.1 kda linker polypeptide, phycocyanin- PDBTitle: crystal structure of phycobilisome 32.1 kda linker polypeptide,2 phycocyanin-associated, rod 1 (fragment 14-158) from synechocystis3 sp. pcc 6803, northeast structural genomics consortium target sgr182a
18	c2ky4A_	Alignment		10.2	12	PDB header: photosynthesis Chain: A: PDB Molecule: phycobilisome linker polypeptide; PDBTitle: solution nmr structure of the pbs linker domain of phycobilisome2 linker polypeptide from anabaena sp. northeast structural genomics3 consortium target nsr123e
19	c2f1mA_	Alignment		9.3	15	PDB header: transport protein Chain: A: PDB Molecule: acriflavine resistance protein a; PDBTitle: conformational flexibility in the multidrug efflux system protein acra
20	c3sogA_	Alignment		8.1	8	PDB header: structural protein Chain: A: PDB Molecule: amphiphysin; PDBTitle: crystal structure of the bar domain of human amphiphysin, isoform 1
21	c2v7sA_	Alignment	not modelled	7.2	13	PDB header: unknown function Chain: A: PDB Molecule: probable conserved lipoprotein lppa; PDBTitle: crystal structure of the putative lipoprotein lppa from2 mycobacterium tuberculosis
22	c3brzA_	Alignment	not modelled	7.0	13	PDB header: transport protein Chain: A: PDB Molecule: todx; PDBTitle: crystal structure of the pseudomonas putida toluene2 transporter todx
23	d1d8ja_	Alignment	not modelled	6.3	42	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: The central core domain of TFIIIE beta
24	c1yd7A_	Alignment	not modelled	5.7	14	PDB header: oxidoreductase Chain: A: PDB Molecule: 2-keto acid:ferredoxin oxidoreductase subunit PDBTitle: conserved hypothetical protein pfu-1647980-001 from2 pyrococcus furiosus
25	c2dq3A_	Alignment	not modelled	5.5	4	PDB header: ligase Chain: A: PDB Molecule: seryl-trna synthetase; PDBTitle: crystal structure of aq_298
26	c3zqbB_	Alignment	not modelled	5.4	14	PDB header: cell invasion Chain: B: PDB Molecule: protein prgi, cell invasion protein sipd; PDBTitle: prgi-sipd from salmonella typhimurium
27	c2wasA_	Alignment	not modelled	5.3	14	PDB header: transferase Chain: A: PDB Molecule: 3-oxoacyl-[acyl-carrier-protein] synthase; PDBTitle: structure of the fungal type i fas ppt domain