

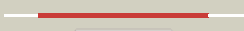
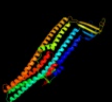




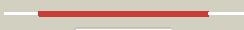














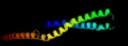

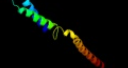




Phyre2

Email	l.a.kelley@imperial.ac.uk
Description	P02930
Date	Thu Jan 5 10:57:42 GMT 2012
Unique Job ID	dd015a165bc009c0

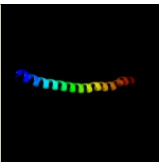
Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c1tqgC_	 Alignment		100.0	100	PDB header: transport protein Chain: C: PDB Molecule: outer membrane protein tolC; PDBTitle: structure of tolC in complex with hexamminecobalt
2	d1ek9a_	 Alignment		100.0	99	Fold: Outer membrane efflux proteins (OEP) Superfamily: Outer membrane efflux proteins (OEP) Family: Outer membrane efflux proteins (OEP)
3	c3pikA_	 Alignment		100.0	17	PDB header: transport protein Chain: A: PDB Molecule: cation efflux system protein cusc; PDBTitle: outer membrane protein cusc
4	d1wplA_	 Alignment		100.0	21	Fold: Outer membrane efflux proteins (OEP) Superfamily: Outer membrane efflux proteins (OEP) Family: Outer membrane efflux proteins (OEP)
5	c1yc9A_	 Alignment		100.0	20	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
6	c2v7sA_	 Alignment		51.5	10	PDB header: unknown function Chain: A: PDB Molecule: probable conserved lipoprotein lppa; PDBTitle: crystal structure of the putative lipoprotein lppa from2 mycobacterium tuberculosis
7	c3fppB_	 Alignment		37.6	8	PDB header: membrane protein Chain: B: PDB Molecule: macrolide-specific efflux protein maca; PDBTitle: crystal structure of e.coli maca
8	c2106A_	 Alignment		26.3	11	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
9	c3ohwB_	 Alignment		23.8	4	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
10	c2ky4A_	 Alignment		21.2	9	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
11	c213wA_	 Alignment		20.1	11	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
						PDB header: photosynthesis

12	c3pruD_	Alignment		18.9	6	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
13	c3sogA_	Alignment		17.1	7	PDB header: structural protein Chain: A: PDB Molecule: amphiphysin; PDBTitle: crystal structure of the bar domain of human amphiphysin, isoform 1
14	c1urqC_	Alignment		11.7	14	PDB header: transport protein Chain: C: PDB Molecule: synaptosomal-associated protein 25; PDBTitle: crystal structure of neuronal q-snares in complex with2 r-snare motif of tomosyn
15	c2z0vA_	Alignment		11.3	10	PDB header: endocytosis Chain: A: PDB Molecule: sh3-containing grb2-like protein 3; PDBTitle: crystal structure of bar domain of endophilin-iii
16	c2f1mA_	Alignment		9.2	10	PDB header: transport protein Chain: A: PDB Molecule: acriflavine resistance protein a; PDBTitle: conformational flexibility in the multidrug efflux system protein acra
17	c3b5nC_	Alignment		7.8	13	PDB header: membrane protein Chain: C: PDB Molecule: protein transport protein sec9; PDBTitle: structure of the yeast plasma membrane snare complex

18 [c1nh1A_](#)

Alignment



5.4

13

PDB header:protein transport
Chain: A: **PDB Molecule:**synaptosomal-associated protein 23;
PDBTitle: snap-23n structure