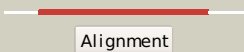
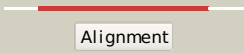
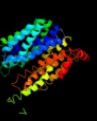
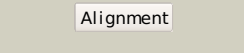
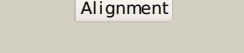


Phyre2

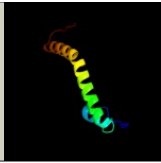
Email	l.a.kelley@imperial.ac.uk
Description	P69367
Date	Thu Jan 5 12:11:25 GMT 2012
Unique Job ID	3dff7e289ab2f5e9

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	d1pw4a_	 Alignment		100.0	13	Fold: MFS general substrate transporter Superfamily: MFS general substrate transporter Family: Glycerol-3-phosphate transporter
2	d1pv7a_	 Alignment		100.0	12	Fold: MFS general substrate transporter Superfamily: MFS general substrate transporter Family: LacY-like proton/sugar symporter
3	c2gfpA_	 Alignment		100.0	16	PDB header: membrane protein Chain: A: PDB Molecule: multidrug resistance protein d; PDBTitle: structure of the multidrug transporter emrd from2 escherichia coli
4	c3o7pA_	 Alignment		100.0	16	PDB header: transport protein Chain: A: PDB Molecule: l-fucose-proton symporter; PDBTitle: crystal structure of the e.coli fucose:proton symporter, fucp (n162a)
5	c2xutC_	 Alignment		100.0	17	PDB header: transport protein Chain: C: PDB Molecule: proton/peptide symporter family protein; PDBTitle: crystal structure of a proton dependent oligopeptide (pot)2 family transporter.
6	c3b9yA_	 Alignment		34.9	10	PDB header: transport protein Chain: A: PDB Molecule: ammonium transporter family rh-like protein; PDBTitle: crystal structure of the nitrosomonas europaea rh protein
7	c2q9pA_	 Alignment		11.4	29	PDB header: antimicrobial protein Chain: A: PDB Molecule: antimicrobial peptide latarcin 2a; PDBTitle: nmr structure of a novel antimicrobial peptide, latarcin 2a,2 from spider (lachesana tarabaevi) venom
8	d1u7ga_	 Alignment		9.3	10	Fold: Ammonium transporter Superfamily: Ammonium transporter Family: Ammonium transporter
9	c2rddB_	 Alignment		9.0	10	PDB header: membrane protein/transport protein Chain: B: PDB Molecule: upf0092 membrane protein yajc; PDBTitle: x-ray crystal structure of acrb in complex with a novel2 transmembrane helix.

10 [c3qngD_](#)

Alignment



6.1

13

PDB header:membrane protein, transport protein
Chain: D: **PDB Molecule:**pts system, cellobiose-specific iic component;
PDBTitle: crystal structure of the transporter chbc, the iic component from the2 n,n'-diacetylchitobiose-specific phosphotransferase system