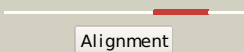
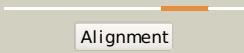
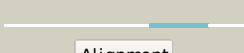
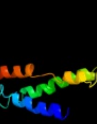
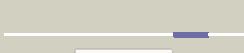
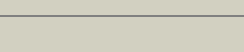


Phyre2

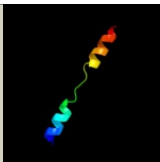
Email	l.a.kelley@imperial.ac.uk
Description	P27844
Date	Thu Jan 5 11:44:19 GMT 2012
Unique Job ID	83a8223a1e4eab78

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	d1s7ba_	 Alignment		97.8	13	Fold: Multidrug resistance efflux transporter EmrE Superfamily: Multidrug resistance efflux transporter EmrE Family: Multidrug resistance efflux transporter EmrE
2	c2i68B_	 Alignment		83.4	17	PDB header: transport protein Chain: B: PDB Molecule: protein emre; PDBTitle: cryo-em based theoretical model structure of transmembrane2 domain of the multidrug-resistance antiporter from e. coli3 emre
3	c3aqpB_	 Alignment		68.6	14	PDB header: membrane protein Chain: B: PDB Molecule: probable secdf protein-export membrane protein; PDBTitle: crystal structure of secdf, a translocon-associated membrane protein,2 from thermus thrmophilus
4	d1iwga8	 Alignment		30.0	17	Fold: Multidrug efflux transporter AcrB transmembrane domain Superfamily: Multidrug efflux transporter AcrB transmembrane domain Family: Multidrug efflux transporter AcrB transmembrane domain
5	c2jp3A_	 Alignment		15.9	7	PDB header: transcription Chain: A: PDB Molecule: fxyd domain-containing ion transport regulator 4; PDBTitle: solution structure of the human fxyd4 (chif) protein in sds2 micelles
6	c3rkoF_	 Alignment		14.8	11	PDB header: oxidoreductase Chain: F: PDB Molecule: nadh-quinone oxidoreductase subunit j; PDBTitle: crystal structure of the membrane domain of respiratory complex i from2 e. coli at 3.0 angstrom resolution
7	c3giaA_	 Alignment		13.0	8	PDB header: transport protein Chain: A: PDB Molecule: uncharacterized protein mj0609; PDBTitle: crystal structure of apct transporter
8	c3lrcC_	 Alignment		8.0	10	PDB header: transport protein Chain: C: PDB Molecule: arginine/agmatine antiporter; PDBTitle: structure of e. coli adic (p1)
9	c2mltB_	 Alignment		7.1	4	PDB header: toxin (hemolytic polypeptide) Chain: B: PDB Molecule: melittin; PDBTitle: melittin
10	c2mltA_	 Alignment		7.1	4	PDB header: toxin (hemolytic polypeptide) Chain: A: PDB Molecule: melittin; PDBTitle: melittin
11	c3hd6A_	 Alignment		6.7	12	PDB header: membrane protein, transport protein Chain: A: PDB Molecule: ammonium transporter rh type c; PDBTitle: crystal structure of the human rhesus glycoprotein rhcg

12 [c2hg5D_](#)

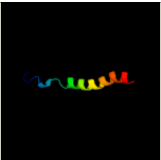
Alignment



6.0

11

PDB header:membrane protein
Chain: D: **PDB Molecule:**kcsa channel;
PDBTitle: cs+ complex of a k channel with an amide to ester substitution in the2 selectivity filter

13	c2kncB_	Alignment		5.1	15	PDB header: cell adhesion Chain: B: PDB Molecule: integrin beta-3; PDBTitle: platelet integrin alfa iib-beta3 transmembrane-cytoplasmic2 heterocomplex
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