




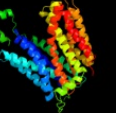



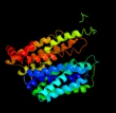



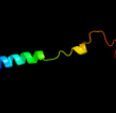




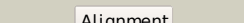



Phyre2

Email	l.a.kelley@imperial.ac.uk
Description	P39386
Date	Thu Jan 5 12:00:19 GMT 2012
Unique Job ID	a17bf4124b219909

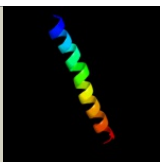
Detailed template information

#	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	c2gfpA_	 Alignment		100.0	18	PDB header: membrane protein Chain: A: PDB Molecule: multidrug resistance protein d; PDBTitle: structure of the multidrug transporter emrd from2 escherichia coli
3	c3o7pA_	 Alignment		100.0	11	PDB header: transport protein Chain: A: PDB Molecule: l-fucose-proton symporter; PDBTitle: crystal structure of the e.coli fucose:proton symporter, fucp (n162a)
4	d1pv7a_	 Alignment		100.0	10	Fold: MFS general substrate transporter Superfamily: MFS general substrate transporter Family: LacY-like proton/sugar symporter
5	c2xutC_	 Alignment		100.0	14	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	c3qngD_	 Alignment		47.7	16	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
7	c2kncA_	 Alignment		28.8	19	PDB header: cell adhesion Chain: A: PDB Molecule: integrin alpha-iiB; PDBTitle: platelet integrin alfaIIB-beta3 transmembrane-cytoplasmic2 heterocomplex
8	c2q9pA_	 Alignment		20.3	36	PDB header: antimicrobial protein Chain: A: PDB Molecule: antimicrobial peptide Iatarcin 2a; PDBTitle: nmr structure of a novel antimicrobial peptide, Iatarcin 2a,2 from spider (Iachesana tarabaevi) venom
9	c2xq2A_	 Alignment		14.9	8	PDB header: transport protein Chain: A: PDB Molecule: sodium/glucose cotransporter; PDBTitle: structure of the k294a mutant of vsGLT
10	c2jlnA_	 Alignment		10.2	14	PDB header: membrane protein Chain: A: PDB Molecule: mhp1; PDBTitle: structure of mhp1, a nucleobase-cation-symport-1 family2 transporter

11

[c2rddB_](#)

Alignment



7.4

14

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.