















# Phyre2

Email	l.a.kelley@imperial.ac.uk
Description	P37621
Date	Thu Jan 5 11:55:56 GMT 2012
Unique Job ID	faf3552efbca5c63

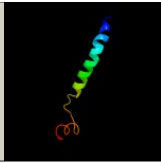
Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	<a href="#">d1pv7a_</a>	 Alignment		100.0	14	<b>Fold:</b> MFS general substrate transporter <b>Superfamily:</b> MFS general substrate transporter <b>Family:</b> LacY-like proton/sugar symporter
2	<a href="#">d1pw4a_</a>	 Alignment		100.0	16	<b>Fold:</b> MFS general substrate transporter <b>Superfamily:</b> MFS general substrate transporter <b>Family:</b> Glycerol-3-phosphate transporter
3	<a href="#">c2gfpA_</a>	 Alignment		100.0	13	<b>PDB header:</b> membrane protein <b>Chain:</b> A: <b>PDB Molecule:</b> multidrug resistance protein d; <b>PDBTitle:</b> structure of the multidrug transporter emrd from2 escherichia coli
4	<a href="#">c3o7pA_</a>	 Alignment		99.9	14	<b>PDB header:</b> transport protein <b>Chain:</b> A: <b>PDB Molecule:</b> l-fucose-proton symporter; <b>PDBTitle:</b> crystal structure of the e.coli fucose:proton symporter, fucp (n162a)
5	<a href="#">c2xutC_</a>	 Alignment		99.9	10	<b>PDB header:</b> transport protein <b>Chain:</b> C: <b>PDB Molecule:</b> proton/peptide symporter family protein; <b>PDBTitle:</b> crystal structure of a proton dependent oligopeptide (pot)2 family transporter.
6	<a href="#">c2g9pA_</a>	 Alignment		12.9	25	<b>PDB header:</b> antimicrobial protein <b>Chain:</b> A: <b>PDB Molecule:</b> antimicrobial peptide laticin 2a; <b>PDBTitle:</b> nmr structure of a novel antimicrobial peptide, laticin 2a,2 from spider (lachesana tarabaei) venom
7	<a href="#">c2bbjB_</a>	 Alignment		9.1	23	<b>PDB header:</b> metal transport/membrane protein <b>Chain:</b> B: <b>PDB Molecule:</b> divalent cation transport-related protein; <b>PDBTitle:</b> crystal structure of the cora mg2+ transporter

8

[c2j3A](#)

Alignment



5.9

27

**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