
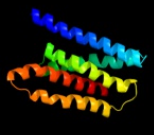





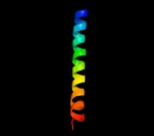












# Phyre2

Email	I.a.kelley@imperial.ac.uk
Description	P0AAC6
Date	Thu Jan 5 11:12:33 GMT 2012
Unique Job ID	33c4ecb789b435de

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	<a href="#">c3k07A_</a>	 Alignment		25.0	11	<b>PDB header:</b> transport protein <b>Chain:</b> A: <b>PDB Molecule:</b> cation efflux system protein cusa; <b>PDBTitle:</b> crystal structure of cusa
2	<a href="#">d1iwga7</a>	 Alignment		16.3	7	<b>Fold:</b> Multidrug efflux transporter AcrB transmembrane domain <b>Superfamily:</b> Multidrug efflux transporter AcrB transmembrane domain <b>Family:</b> Multidrug efflux transporter AcrB transmembrane domain
3	<a href="#">c1oy8A_</a>	 Alignment		9.7	5	<b>PDB header:</b> membrane protein <b>Chain:</b> A: <b>PDB Molecule:</b> acriflavine resistance protein b; <b>PDBTitle:</b> structural basis of multiple drug binding capacity of the acrb2 multidrug efflux pump
4	<a href="#">c2e76D_</a>	 Alignment		8.9	9	<b>PDB header:</b> photosynthesis <b>Chain:</b> D: <b>PDB Molecule:</b> cytochrome b6-f complex iron-sulfur subunit; <b>PDBTitle:</b> crystal structure of the cytochrome b6f complex with tridecyl-2 stigmatellin (tds) from m.laminosus
5	<a href="#">d1iwga8</a>	 Alignment		7.3	12	<b>Fold:</b> Multidrug efflux transporter AcrB transmembrane domain <b>Superfamily:</b> Multidrug efflux transporter AcrB transmembrane domain <b>Family:</b> Multidrug efflux transporter AcrB transmembrane domain
6	<a href="#">d2caza1</a>	 Alignment		7.1	15	<b>Fold:</b> Long alpha-hairpin <b>Superfamily:</b> Endosomal sorting complex assembly domain <b>Family:</b> VPS23 C-terminal domain
7	<a href="#">c2h3oA_</a>	 Alignment		7.1	13	<b>PDB header:</b> membrane protein <b>Chain:</b> A: <b>PDB Molecule:</b> merf; <b>PDBTitle:</b> structure of merf, a membrane protein with two trans-2 membrane helices
8	<a href="#">c2cazD_</a>	 Alignment		6.8	15	<b>PDB header:</b> protein transport <b>Chain:</b> D: <b>PDB Molecule:</b> suppressor protein stp22 of temperature- <b>PDBTitle:</b> escrt-i core
9	<a href="#">d2f6ma1</a>	 Alignment		6.7	14	<b>Fold:</b> Long alpha-hairpin <b>Superfamily:</b> Endosomal sorting complex assembly domain <b>Family:</b> VPS23 C-terminal domain

10 [c1wazA](#)

Alignment



5.8

11

**PDB header:**transport protein  
**Chain:** A: **PDB Molecule:**merf;  
**PDBTitle:** nmr structure determination of the bacterial mercury2 transporter, merf, in micelles