
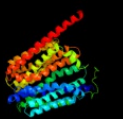













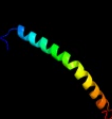






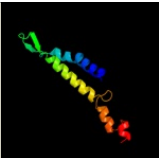
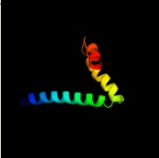
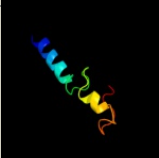



# Phyre2

Email	I.a.kelley@imperial.ac.uk
Description	P31474
Date	Thu Jan 5 11:48:02 GMT 2012
Unique Job ID	8f8da2dbea99631a

Detailed template information

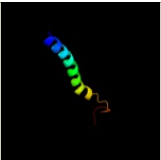
#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	<a href="#">d1pw4a_</a>	 Alignment		100.0	11	<b>Fold:</b> MFS general substrate transporter <b>Superfamily:</b> MFS general substrate transporter <b>Family:</b> Glycerol-3-phosphate transporter
2	<a href="#">c2gfpA_</a>	 Alignment		100.0	19	<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
3	<a href="#">c2xutC_</a>	 Alignment		100.0	11	<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.
4	<a href="#">c3o7pA_</a>	 Alignment		100.0	13	<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="#">d1pv7a_</a>	 Alignment		100.0	13	<b>Fold:</b> MFS general substrate transporter <b>Superfamily:</b> MFS general substrate transporter <b>Family:</b> LacY-like proton/sugar symporter
6	<a href="#">c3b9yA_</a>	 Alignment		85.6	10	<b>PDB header:</b> transport protein <b>Chain:</b> A: <b>PDB Molecule:</b> ammonium transporter family rh-like protein; <b>PDBTitle:</b> crystal structure of the nitrosomonas europaea rh protein
7	<a href="#">c3hd6A_</a>	 Alignment		64.8	9	<b>PDB header:</b> membrane protein, transport protein <b>Chain:</b> A: <b>PDB Molecule:</b> ammonium transporter rh type c; <b>PDBTitle:</b> crystal structure of the human rhesus glycoprotein rhcg
8	<a href="#">c3qngD_</a>	 Alignment		45.9	9	<b>PDB header:</b> membrane protein, transport protein <b>Chain:</b> D: <b>PDB Molecule:</b> pts system, cellobiose-specific iic component; <b>PDBTitle:</b> crystal structure of the transporter chbc, the iic component from the2 n,n'-diacetylchitobiose-specific phosphotransferase system
9	<a href="#">d3cx5c2</a>	 Alignment		14.7	11	<b>Fold:</b> Heme-binding four-helical bundle <b>Superfamily:</b> Transmembrane di-heme cytochromes <b>Family:</b> Cytochrome b of cytochrome bc1 complex (Ubiquinol-cytochrome c reductase)
10	<a href="#">c2g9pA_</a>	 Alignment		14.1	36	<b>PDB header:</b> antimicrobial protein <b>Chain:</b> A: <b>PDB Molecule:</b> antimicrobial peptide latarcin 2a; <b>PDBTitle:</b> nmr structure of a novel antimicrobial peptide, latarcin 2a,2 from spider (Iachesana tarabaei) venom
11	<a href="#">c2qjkM_</a>	 Alignment		10.2	11	<b>PDB header:</b> electron transport <b>Chain:</b> M: <b>PDB Molecule:</b> cytochrome b; <b>PDBTitle:</b> crystal structure analysis of mutant rhodobacter2 sphaeroides bc1 with stigmatellin and antimycin

12	<a href="#">d2oara1</a>	Alignment		8.9	9	<b>Fold:</b> Gated mechanosensitive channel <b>Superfamily:</b> Gated mechanosensitive channel <b>Family:</b> Gated mechanosensitive channel
13	<a href="#">c3cx5N_</a>	Alignment		8.1	11	<b>PDB header:</b> oxidoreductase <b>Chain:</b> N: <b>PDB Molecule:</b> cytochrome b; <b>PDBTitle:</b> structure of complex iii with bound cytochrome c in reduced2 state and definition of a minimal core interface for3 electron transfer.
14	<a href="#">c2jo1A_</a>	Alignment		7.6	18	<b>PDB header:</b> hydrolase regulator <b>Chain:</b> A: <b>PDB Molecule:</b> phospholemman; <b>PDBTitle:</b> structure of the na,k-atpase regulatory protein fxyd1 in2 micelles
15	<a href="#">d1q90b_</a>	Alignment		7.4	8	<b>Fold:</b> Heme-binding four-helical bundle <b>Superfamily:</b> Transmembrane di-heme cytochromes <b>Family:</b> Cytochrome b of cytochrome bc1 complex (Ubiquinol-cytochrome c reductase)

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[c2kncA](#)

Alignment



6.6

5

**PDB header:**cell adhesion  
**Chain:** A: **PDB Molecule:**integrin alpha-iiB;  
**PDBTitle:** platelet integrin alphaIIb-beta3 transmembrane-cytoplasmic2 heterocomplex