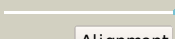

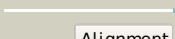



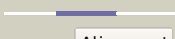






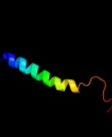





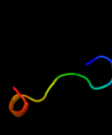

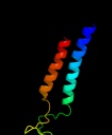



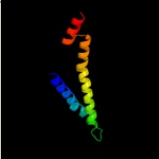


# Phyre2

Email	I.a.kelley@imperial.ac.uk
Description	P0AFA7
Date	Thu Jan 5 11:25:45 GMT 2012
Unique Job ID	bc772c7cb77d723d

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	<a href="#">d1nkza_</a>	 Alignment		37.5	23	<b>Fold:</b> Light-harvesting complex subunits <b>Superfamily:</b> Light-harvesting complex subunits <b>Family:</b> Light-harvesting complex subunits
2	<a href="#">d1ijda_</a>	 Alignment		37.3	23	<b>Fold:</b> Light-harvesting complex subunits <b>Superfamily:</b> Light-harvesting complex subunits <b>Family:</b> Light-harvesting complex subunits
3	<a href="#">d1j4na_</a>	 Alignment		31.0	17	<b>Fold:</b> Aquaporin-like <b>Superfamily:</b> Aquaporin-like <b>Family:</b> Aquaporin-like
4	<a href="#">d1ppic1</a>	 Alignment		11.1	20	<b>Fold:</b> a domain/subunit of cytochrome bc1 complex (Ubiquinol-cytochrome c reductase) <b>Superfamily:</b> a domain/subunit of cytochrome bc1 complex (Ubiquinol-cytochrome c reductase) <b>Family:</b> a domain/subunit of cytochrome bc1 complex (Ubiquinol-cytochrome c reductase)
5	<a href="#">d3cx5c1</a>	 Alignment		9.8	20	<b>Fold:</b> a domain/subunit of cytochrome bc1 complex (Ubiquinol-cytochrome c reductase) <b>Superfamily:</b> a domain/subunit of cytochrome bc1 complex (Ubiquinol-cytochrome c reductase) <b>Family:</b> a domain/subunit of cytochrome bc1 complex (Ubiquinol-cytochrome c reductase)
6	<a href="#">d1f6ga_</a>	 Alignment		8.9	17	<b>Fold:</b> Voltage-gated potassium channels <b>Superfamily:</b> Voltage-gated potassium channels <b>Family:</b> Voltage-gated potassium channels
7	<a href="#">c2kncA_</a>	 Alignment		7.2	18	<b>PDB header:</b> cell adhesion <b>Chain:</b> A; <b>PDB Molecule:</b> integrin alpha-iiB; <b>PDBTitle:</b> platelet integrin alfaIIb-beta3 transmembrane-cytoplasmic2 heterocomplex
8	<a href="#">c3d9sB_</a>	 Alignment		6.3	14	<b>PDB header:</b> membrane protein <b>Chain:</b> B; <b>PDB Molecule:</b> aquaporin-5; <b>PDBTitle:</b> human aquaporin 5 (aqp5) - high resolution x-ray structure
9	<a href="#">d1bccc2</a>	 Alignment		6.1	21	<b>Fold:</b> a domain/subunit of cytochrome bc1 complex (Ubiquinol-cytochrome c reductase) <b>Superfamily:</b> a domain/subunit of cytochrome bc1 complex (Ubiquinol-cytochrome c reductase) <b>Family:</b> a domain/subunit of cytochrome bc1 complex (Ubiquinol-cytochrome c reductase)
10	<a href="#">c2dxbR_</a>	 Alignment		5.9	67	<b>PDB header:</b> hydrolase <b>Chain:</b> R; <b>PDB Molecule:</b> thiocyanate hydrolase subunit gamma; <b>PDBTitle:</b> recombinant thiocyanate hydrolase comprising partially-modified cobalt2 centers
11	<a href="#">c3mk7F_</a>	 Alignment		5.6	8	<b>PDB header:</b> oxidoreductase <b>Chain:</b> F; <b>PDB Molecule:</b> cytochrome c oxidase, cbb3-type, subunit p; <b>PDBTitle:</b> the structure of cbb3 cytochrome oxidase

12	<a href="#">dlrc2a_</a>  Alignment		5.4	10 <b>Fold:</b> Aquaporin-like <b>Superfamily:</b> Aquaporin-like <b>Family:</b> Aquaporin-like
13	<a href="#">d2oara1</a>  Alignment		5.4	18 <b>Fold:</b> Gated mechanosensitive channel <b>Superfamily:</b> Gated mechanosensitive channel <b>Family:</b> Gated mechanosensitive channel

14 [c3aagA](#)

Alignment



5.4

7

**PDB header:**transferase

**Chain:** A: **PDB Molecule:**general glycosylation pathway protein;

**PDBTitle:** crystal structure of c. jejuni pglb c-terminal domain