






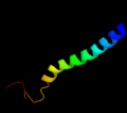







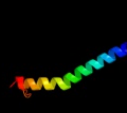







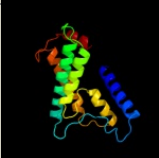
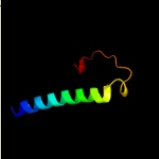
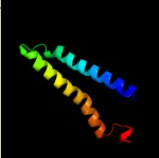
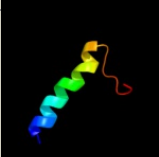
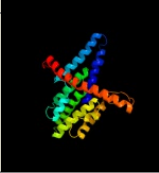


Phyre2

Email	I.a.kelley@imperial.ac.uk
Description	P32672
Date	Thu Jan 5 11:50:00 GMT 2012
Unique Job ID	98ce1f5ecda446b4

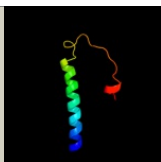
Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c3qngD_	 Alignment		100.0	17	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 the 2 n,n'-diacetylchitobiose-specific phosphotransferase system
2	c2b2hA_	 Alignment		82.0	14	PDB header: transport protein Chain: A: PDB Molecule: ammonium transporter; PDBTitle: ammonium transporter amt-1 from a. fulgidus (as)
3	c3hd6A_	 Alignment		79.5	16	PDB header: membrane protein, transport protein Chain: A: PDB Molecule: ammonium transporter rh type c; PDBTitle: crystal structure of the human rhesus glycoprotein rhcg
4	c2kncA_	 Alignment		76.3	14	PDB header: cell adhesion Chain: A: PDB Molecule: integrin alpha-iiB; PDBTitle: platelet integrin alphaIIb-beta3 transmembrane-cytoplasmic2 heterocomplex
5	c3b9yA_	 Alignment		66.2	12	PDB header: transport protein Chain: A: PDB Molecule: ammonium transporter family rh-like protein; PDBTitle: crystal structure of the nitrosomonas europaea rh protein
6	c2jlnA_	 Alignment		42.6	11	PDB header: membrane protein Chain: A: PDB Molecule: mhp1; PDBTitle: structure of mhp1, a nucleobase-cation-symport-1 family2 transporter
7	d1j4na_	 Alignment		42.2	10	Fold: Aquaporin-like Superfamily: Aquaporin-like Family: Aquaporin-like
8	d2oara1	 Alignment		26.6	2	Fold: Gated mechanosensitive channel Superfamily: Gated mechanosensitive channel Family: Gated mechanosensitive channel
9	c3d9sB_	 Alignment		18.2	15	PDB header: membrane protein Chain: B: PDB Molecule: aquaporin-5; PDBTitle: human aquaporin 5 (aqp5) - high resolution x-ray structure
10	d1fftb2	 Alignment		14.6	9	Fold: Transmembrane helix hairpin Superfamily: Cytochrome c oxidase subunit II-like, transmembrane region Family: Cytochrome c oxidase subunit II-like, transmembrane region
11	d3dtub2	 Alignment		13.5	11	Fold: Transmembrane helix hairpin Superfamily: Cytochrome c oxidase subunit II-like, transmembrane region Family: Cytochrome c oxidase subunit II-like, transmembrane region

12	c1ymgA_	Alignment		13.2	14	PDB header: membrane protein Chain: A: PDB Molecule: lens fiber major intrinsic protein; PDBTitle: the channel architecture of aquaporin o at 2.2 angstrom resolution
13	d1ymga1	Alignment		13.2	14	Fold: Aquaporin-like Superfamily: Aquaporin-like Family: Aquaporin-like
14	d3ehbb2	Alignment		11.0	9	Fold: Transmembrane helix hairpin Superfamily: Cytochrome c oxidase subunit II-like, transmembrane region Family: Cytochrome c oxidase subunit II-like, transmembrane region
15	c2oarA_	Alignment		7.1	9	PDB header: membrane protein Chain: A: PDB Molecule: large-conductance mechanosensitive channel; PDBTitle: mechanosensitive channel of large conductance (mscl)
16	c2ketA_	Alignment		6.9	24	PDB header: antibiotic Chain: A: PDB Molecule: cathelicidin-6; PDBTitle: solution structure of bmap-27
17	c2ht2B_	Alignment		6.1	9	PDB header: membrane protein Chain: B: PDB Molecule: h(+)/cl(-) exchange transporter clca; PDBTitle: structure of the escherichia coli clc chloride channel2 y445h mutant and fab complex

18 [c1qlcB_](#)

Alignment



5.9

9

PDB header: oxidoreductase/immune system
Chain: B: **PDB Molecule:** cytochrome c oxidase polypeptide ii;
PDBTitle: cryo-structure of the paracoccus denitrificans four-subunit2 cytochrome c oxidase in the completely oxidized state3 complexed with an antibody fv fragment