
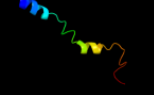

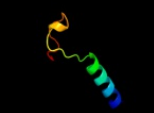







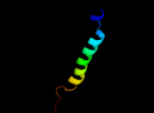







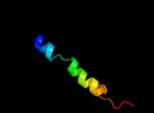


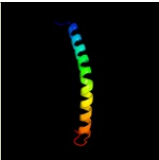
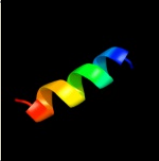
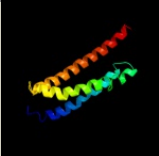


Phyre2

Email	I.a.kelley@imperial.ac.uk
Description	A0PK11
Date	Fri May 25 09:41:56 BST 2012
Unique Job ID	dadc965393d3d0c9

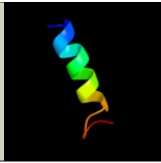
Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c2kncA_	 Alignment		43.2	15	PDB header: cell adhesion Chain: A: PDB Molecule: integrin alpha-iib; PDBTitle: platelet integrin alfa-iib-beta3 transmembrane-cytoplasmic2 heterocomplex
2	c2jo1A_	 Alignment		35.7	9	PDB header: hydrolase regulator Chain: A: PDB Molecule: phospholemman; PDBTitle: structure of the na,k-atpase regulatory protein fxyd1 in 2 micelles
3	c2jp3A_	 Alignment		28.7	6	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
4	d1rzhh2	 Alignment		27.8	36	Fold: Single transmembrane helix Superfamily: Photosystem II reaction centre subunit H, transmembrane region Family: Photosystem II reaction centre subunit H, transmembrane region
5	d1l9bh2	 Alignment		26.4	36	Fold: Single transmembrane helix Superfamily: Photosystem II reaction centre subunit H, transmembrane region Family: Photosystem II reaction centre subunit H, transmembrane region
6	c2l8sA_	 Alignment		17.3	23	PDB header: cell adhesion Chain: A: PDB Molecule: integrin alpha-1; PDBTitle: solution nmr structure of transmembrane and cytosolic regions of2 integrin alpha1 in detergent micelles
7	d2rcrh2	 Alignment		17.3	36	Fold: Single transmembrane helix Superfamily: Photosystem II reaction centre subunit H, transmembrane region Family: Photosystem II reaction centre subunit H, transmembrane region
8	c3t47A_	 Alignment		12.9	44	PDB header: immune system Chain: A: PDB Molecule: scin-d; PDBTitle: crystal structure of truncated form of staphylococcal complement2 inhibitor d (scin-d) at 1.3 angstrom
9	c3hd6A_	 Alignment		10.8	15	PDB header: membrane protein, transport protein Chain: A: PDB Molecule: ammonium transporter rh type c; PDBTitle: crystal structure of the human rhesus glycoprotein rhcg
10	c2k1aA_	 Alignment		10.0	10	PDB header: cell adhesion Chain: A: PDB Molecule: integrin alpha-iib; PDBTitle: bicelle-embedded integrin alpha(iib) transmembrane segment
11	c2b2hA_	 Alignment		9.8	11	PDB header: transport protein Chain: A: PDB Molecule: ammonium transporter; PDBTitle: ammonium transporter amt-1 from a. fulgidus (as)

12	c3qnqD_	Alignment		9.4	14	<p>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 the2 n,n'-diacetylchitobiose-specific phosphotransferase system</p>
13	d1eysh2	Alignment		6.2	14	<p>Fold:Single transmembrane helix Superfamily:Photosystem II reaction centre subunit H, transmembrane region Family:Photosystem II reaction centre subunit H, transmembrane region</p>
14	d1pw4a_	Alignment		5.4	12	<p>Fold:MFS general substrate transporter Superfamily:MFS general substrate transporter Family:Glycerol-3-phosphate transporter</p>

15 [d2p7tc1](#)

Alignment



5.2

35

Fold: Voltage-gated potassium channels
Superfamily: Voltage-gated potassium channels
Family: Voltage-gated potassium channels