
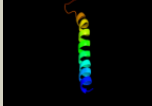



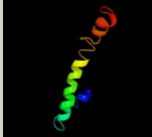






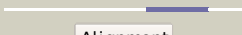
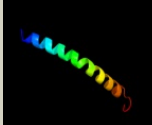




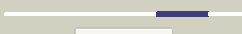


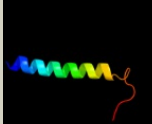
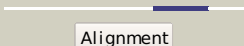







Phyre2

Email	I.a.kelley@imperial.ac.uk
Description	P60647
Date	Tue Jul 17 17:05:12 BST 2012
Unique Job ID	3825143f4c5ba917

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c2kncA_	 Alignment		41.9	8	PDB header: cell adhesion Chain: A: PDB Molecule: integrin alpha-iiB; PDBTitle: platelet integrin alphaIIb-beta3 transmembrane-cytoplasmic2 heterocomplex
2	c2kb1A_	 Alignment		35.7	22	PDB header: membrane protein Chain: A: PDB Molecule: wsk3; PDBTitle: nmr studies of a channel protein without membrane:2 structure and dynamics of water-solubilized kcsa
3	d1iwga8	 Alignment		25.1	5	Fold: Multidrug efflux transporter AcrB transmembrane domain Superfamily: Multidrug efflux transporter AcrB transmembrane domain Family: Multidrug efflux transporter AcrB transmembrane domain
4	c3iz5d_	 Alignment		20.5	29	PDB header: ribosome Chain: D: PDB Molecule: 60s ribosomal protein l4 (l4p); PDBTitle: localization of the large subunit ribosomal proteins into a 5.5 a2 cryo-em map of triticum aestivum translating 80s ribosome
5	d1fftb2	 Alignment		18.3	7	Fold: Transmembrane helix hairpin Superfamily: Cytochrome c oxidase subunit II-like, transmembrane region Family: Cytochrome c oxidase subunit II-like, transmembrane region
6	c1oy8A_	 Alignment		14.1	6	PDB header: membrane protein Chain: A: PDB Molecule: acriflavine resistance protein b; PDBTitle: structural basis of multiple drug binding capacity of the acrb2 multidrug efflux pump
7	c3qngD_	 Alignment		11.9	5	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
8	d1kpla_	 Alignment		10.1	5	Fold: Clc chloride channel Superfamily: Clc chloride channel Family: Clc chloride channel
9	d1j9ia_	 Alignment		10.0	15	Fold: Putative DNA-binding domain Superfamily: Putative DNA-binding domain Family: Terminase gpNU1 subunit domain
10	d1r3jc_	 Alignment		9.2	19	Fold: Voltage-gated potassium channels Superfamily: Voltage-gated potassium channels Family: Voltage-gated potassium channels
11	d3dtub2	 Alignment		9.0	21	Fold: Transmembrane helix hairpin Superfamily: Cytochrome c oxidase subunit II-like, transmembrane region Family: Cytochrome c oxidase subunit II-like, transmembrane region

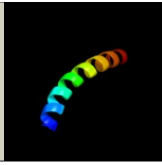
12	d3ehbb2	Alignment 		8.9	15	<p>Fold: Transmembrane helix hairpin</p> <p>Superfamily: Cytochrome c oxidase subunit II-like, transmembrane region</p> <p>Family: Cytochrome c oxidase subunit II-like, transmembrane region</p>
13	d1veka_	Alignment 		7.0	50	<p>Fold: RuvA C-terminal domain-like</p> <p>Superfamily: UBA-like</p> <p>Family: UBA domain</p>
14	c2l2ta_	Alignment 		6.1	15	<p>PDB header: membrane protein</p> <p>Chain: A; PDB Molecule: receptor tyrosine-protein kinase erbB-4;</p> <p>PDB Title: solution nmr structure of the erbB4 dimeric membrane domain</p>

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[c2lorA_](#)



Alignment



5.1

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PDB header:membrane protein
Chain: A: **PDB Molecule:**transmembrane protein 141;
PDBTitle: backbone structure of human membrane protein tmem141