


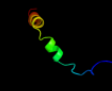



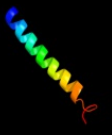





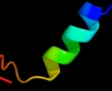

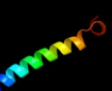




Phyre2

Email	I.a.kelley@imperial.ac.uk
Description	P77579
Date	Thu Jan 5 12:30:44 GMT 2012
Unique Job ID	f5e17a38d761092e

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c3qngD_	 Alignment		100.0	14	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	c2voyB_	 Alignment		30.1	15	PDB header: hydrolase Chain: B: PDB Molecule: sarcoplasmic/endoplasmic reticulum calcium PDBTitle: cryoem model of copa, the copper transporting atpase from 2 archaeoglobus fulgidus
3	d1u7ga_	 Alignment		27.9	16	Fold: Ammonium transporter Superfamily: Ammonium transporter Family: Ammonium transporter
4	d3dtub2	 Alignment		9.4	13	Fold: Transmembrane helix hairpin Superfamily: Cytochrome c oxidase subunit II-like, transmembrane region Family: Cytochrome c oxidase subunit II-like, transmembrane region
5	d1ffya1	 Alignment		9.0	3	Fold: Anticodon-binding domain of a subclass of class I aminoacyl-tRNA synthetases Superfamily: Anticodon-binding domain of a subclass of class I aminoacyl-tRNA synthetases Family: Anticodon-binding domain of a subclass of class I aminoacyl-tRNA synthetases
6	d1fftb2	 Alignment		8.1	10	Fold: Transmembrane helix hairpin Superfamily: Cytochrome c oxidase subunit II-like, transmembrane region Family: Cytochrome c oxidase subunit II-like, transmembrane region
7	c2ketA_	 Alignment		6.3	16	PDB header: antibiotic Chain: A: PDB Molecule: cathelicidin-6; PDBTitle: solution structure of bmap-27
8	d3ehbb2	 Alignment		6.2	13	Fold: Transmembrane helix hairpin Superfamily: Cytochrome c oxidase subunit II-like, transmembrane region Family: Cytochrome c oxidase subunit II-like, transmembrane region
9	c3nd0A_	 Alignment		6.2	11	PDB header: transport protein Chain: A: PDB Molecule: sli0855 protein; PDBTitle: x-ray crystal structure of a slow cyanobacterial ci-/h+ antiporter

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[c2ht2B_](#)

Alignment



6.2

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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