

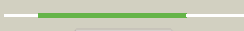
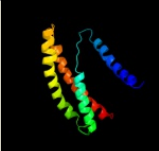



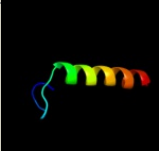











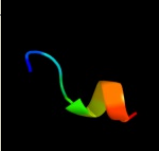





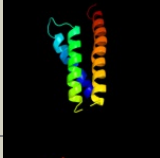




Phyre2

Email	I.a.kelley@imperial.ac.uk
Description	P60639
Date	Tue Jul 17 17:05:12 BST 2012
Unique Job ID	3be8ecaf5ed46f4e

Detailed template information

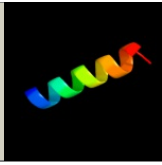
#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c2yvxD_	 Alignment		93.0	17	PDB header: transport protein Chain: D: PDB Molecule: mg2+ transporter mgte; PDBTitle: crystal structure of magnesium transporter mgte
2	d2yvxa3	 Alignment		56.5	18	Fold: MgtE membrane domain-like Superfamily: MgtE membrane domain-like Family: MgtE membrane domain-like
3	c3rfuC_	 Alignment		24.0	17	PDB header: hydrolase, membrane protein Chain: C: PDB Molecule: copper efflux atpase; PDBTitle: crystal structure of a copper-transporting pib-type atpase
4	c3zv0A_	 Alignment		14.8	22	PDB header: cell cycle Chain: A: PDB Molecule: protein shq1; PDBTitle: structure of the shq1p-cbf5p complex
5	d1z0kb1	 Alignment		14.3	21	Fold: Long alpha-hairpin Superfamily: Rabenosyn-5 Rab-binding domain-like Family: Rabenosyn-5 Rab-binding domain-like
6	d1yzma1	 Alignment		13.5	21	Fold: Long alpha-hairpin Superfamily: Rabenosyn-5 Rab-binding domain-like Family: Rabenosyn-5 Rab-binding domain-like
7	c1ciiA_	 Alignment		12.0	14	PDB header: transmembrane protein Chain: A: PDB Molecule: colicin ia; PDBTitle: colicin ia
8	c1ckxA_	 Alignment		7.9	60	PDB header: metal transport Chain: A: PDB Molecule: cystic fibrosis transmembrane conductance PDBTitle: cystic fibrosis transmembrane conductance regulator:2 solution structures of peptides based on the phe508 region,3 the most common site of disease-causing delta-f508 mutation
9	c2ks1B_	 Alignment		7.3	26	PDB header: transferase Chain: B: PDB Molecule: epidermal growth factor receptor; PDBTitle: heterodimeric association of transmembrane domains of erbb1 and erbb22 receptors enabling kinase activation
10	c3syjA_	 Alignment		6.9	50	PDB header: cell adhesion Chain: A: PDB Molecule: adhesion and penetration protein autotransporter; PDBTitle: crystal structure of the haemophilus influenzae hap adhesion
11	d1l7va_	 Alignment		6.8	14	Fold: ABC transporter involved in vitamin B12 uptake, BtuC Superfamily: ABC transporter involved in vitamin B12 uptake, BtuC Family: ABC transporter involved in vitamin B12 uptake, BtuC

12	d2akza2	 Alignment		6.6	25	Fold: Enolase N-terminal domain-like Superfamily: Enolase N-terminal domain-like Family: Enolase N-terminal domain-like
13	c3p5nA_	 Alignment		5.8	16	PDB header: transport protein Chain: A: PDB Molecule: riboflavin uptake protein; PDBTitle: structure and mechanism of the s component of a bacterial ecf2 transporter
14	c1ckwA_	 Alignment		5.3	50	PDB header: metal transport Chain: A: PDB Molecule: protein (cystic fibrosis transmembrane PDBTitle: cystic fibrosis transmembrane conductance regulator:2 solution structures of peptides based on the phe508 region,3 the most common site of disease-causing delta-f508 mutation

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[c1unyA](#)

Alignment



5.2

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PDB header: four helix bundle

Chain: A: **PDB Molecule:** general control protein gcn4;

PDB title: structure based engineering of internal molecular surfaces2 of four helix bundles