

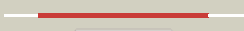


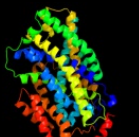











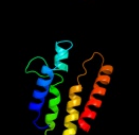



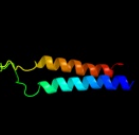

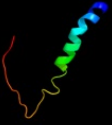







Phyre2

Email	I.a.kelley@imperial.ac.uk
Description	P31448
Date	Thu Jan 5 11:47:39 GMT 2012
Unique Job ID	04e8c8704d89a0d2

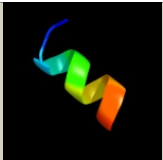
Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c2xq2A_	 Alignment		100.0	25	PDB header: transport protein Chain: A: PDB Molecule: sodium/glucose cotransporter; PDBTitle: structure of the k294a mutant of vsplt
2	c3dh4A_	 Alignment		100.0	26	PDB header: transport protein Chain: A: PDB Molecule: sodium/glucose cotransporter; PDBTitle: crystal structure of sodium/sugar symporter with bound galactose from2 vibrio parahaemolyticus
3	c2jlnA_	 Alignment		99.4	10	PDB header: membrane protein Chain: A: PDB Molecule: mhp1; PDBTitle: structure of mhp1, a nucleobase-cation-symport-1 family2 transporter
4	c3giaA_	 Alignment		99.1	9	PDB header: transport protein Chain: A: PDB Molecule: uncharacterized protein mj0609; PDBTitle: crystal structure of apct transporter
5	c3lrcC_	 Alignment		98.2	8	PDB header: transport protein Chain: C: PDB Molecule: arginine/agmatine antiporter; PDBTitle: structure of e. coli adic (p1)
6	c3hfxA_	 Alignment		97.8	15	PDB header: transport protein Chain: A: PDB Molecule: l-carnitine/gamma-butyrobetaine antiporter; PDBTitle: crystal structure of carnitine transporter
7	c2w8aC_	 Alignment		97.7	14	PDB header: membrane protein Chain: C: PDB Molecule: glycine betaine transporter betp; PDBTitle: crystal structure of the sodium-coupled glycine betaine2 symporter betp from corynebacterium glutamicum with bound3 substrate
8	d2a65a1	 Alignment		85.7	12	Fold: SNF-like Superfamily: SNF-like Family: SNF-like
9	c3rlbA_	 Alignment		17.0	17	PDB header: thiamine-binding protein Chain: A: PDB Molecule: thit; PDBTitle: crystal structure at 2.0 a of the s-component for thiamin from an ecf-2 type abc transporter
10	c2ky5A_	 Alignment		11.5	45	PDB header: cell adhesion Chain: A: PDB Molecule: platelet endothelial cell adhesion molecule; PDBTitle: solution structure of the pecam-1 cytoplasmic tail with dpc
11	c3mk7F_	 Alignment		8.1	16	PDB header: oxidoreductase Chain: F: PDB Molecule: cytochrome c oxidase, cbb3-type, subunit p; PDBTitle: the structure of cbb3 cytochrome oxidase

12	c3fxdD_	Alignment		7.5	70	PDB header: unknown function Chain: D: PDB Molecule: protein icmr; PDBTitle: crystal structure of interacting domains of icmr and icmq
13	d1fftb2	Alignment		7.4	13	Fold: Transmembrane helix hairpin Superfamily: Cytochrome c oxidase subunit II-like, transmembrane region Family: Cytochrome c oxidase subunit II-like, transmembrane region
14	c3m7bA_	Alignment		7.1	13	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: tellurite resistance protein teha homolog; PDBTitle: crystal structure of plant slac1 homolog teha
15	c1w8xP_	Alignment		6.9	23	PDB header: virus Chain: P: PDB Molecule: protein p16; PDBTitle: structural analysis of prd1
16	d2fhzb1	Alignment		6.8	46	Fold: Colicin D/E5 nuclease domain Superfamily: Colicin D/E5 nuclease domain Family: Colicin E5 nuclease domain
17	d2axti1	Alignment		6.5	29	Fold: Single transmembrane helix Superfamily: Photosystem II reaction center protein I, Psbl Family: Psbl-like
18	dlsi2a_	Alignment		6.2	17	Fold: SH3-like barrel Superfamily: PAZ domain Family: PAZ domain

19 [c3o7xC](#)

Alignment



5.2

17

PDB header: rna binding protein
Chain: C: **PDB Molecule:** piwi-like protein 2;
PDBTitle: crystal structure of human hili paz domain