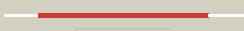
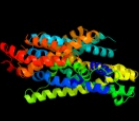
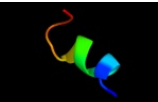
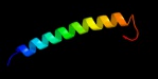
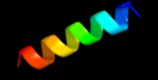
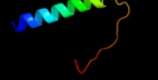


Phyre2

Email	l.a.kelley@imperial.ac.uk
Description	P32705
Date	Thu Jan 5 11:50:26 GMT 2012
Unique Job ID	4a2db867fff94ccf

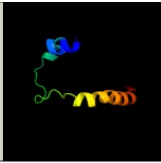
Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c2xq2A_	 Alignment		100.0	16	PDB header: transport protein Chain: A: PDB Molecule: sodium/glucose cotransporter; PDBTitle: structure of the k294a mutant of vsplt
2	c3dh4A_	 Alignment		100.0	14	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	12	PDB header: membrane protein Chain: A: PDB Molecule: mhp1; PDBTitle: structure of mhp1, a nucleobase-cation-symport-1 family2 transporter
4	c3giaA_	 Alignment		99.3	9	PDB header: transport protein Chain: A: PDB Molecule: uncharacterized protein mj0609; PDBTitle: crystal structure of apct transporter
5	c3lrcC_	 Alignment		98.7	12	PDB header: transport protein Chain: C: PDB Molecule: arginine/agmatine antiporter; PDBTitle: structure of e. coli adic (p1)
6	c2w8aC_	 Alignment		97.0	13	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
7	c3hfxA_	 Alignment		96.8	12	PDB header: transport protein Chain: A: PDB Molecule: l-carnitine/gamma-butyrobetaine antiporter; PDBTitle: crystal structure of carnitine transporter
8	d2a65a1	 Alignment		91.0	14	Fold: SNF-like Superfamily: SNF-like Family: SNF-like
9	c3rlbA_	 Alignment		88.7	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	c3mk7F_	 Alignment		49.1	11	PDB header: oxidoreductase Chain: F: PDB Molecule: cytochrome c oxidase, cbb3-type, subunit p; PDBTitle: the structure of cbb3 cytochrome oxidase
11	d3ehbb2	 Alignment		9.8	11	Fold: Transmembrane helix hairpin Superfamily: Cytochrome c oxidase subunit II-like, transmembrane region Family: Cytochrome c oxidase subunit II-like, transmembrane region

12	c2ky5A_	Alignment		8.0	18	PDB header: cell adhesion Chain: A: PDB Molecule: platelet endothelial cell adhesion molecule; PDBTitle: solution structure of the pecam-1 cytoplasmic tail with dpc
13	c3rkoK_	Alignment		7.9	16	PDB header: oxidoreductase Chain: K: PDB Molecule: nadh-quinone oxidoreductase subunit k; PDBTitle: crystal structure of the membrane domain of respiratory complex i from2 e. coli at 3.0 angstrom resolution
14	c2ks1B_	Alignment		7.8	33	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
15	c2k9yA_	Alignment		7.3	11	PDB header: transferase Chain: A: PDB Molecule: ephrin type-a receptor 2; PDBTitle: epha2 dimeric structure in the lipidic bicelle at ph 5.0
16	c2k9yB_	Alignment		7.3	11	PDB header: transferase Chain: B: PDB Molecule: ephrin type-a receptor 2; PDBTitle: epha2 dimeric structure in the lipidic bicelle at ph 5.0
17	d3dtub2	Alignment		6.3	5	Fold: Transmembrane helix hairpin Superfamily: Cytochrome c oxidase subunit II-like, transmembrane region Family: Cytochrome c oxidase subunit II-like, transmembrane region
18	d1si2a_	Alignment		5.7	17	Fold: SH3-like barrel Superfamily: PAZ domain Family: PAZ domain

19 [c2k21A_](#)

Alignment



5.6

14

PDB header:membrane protein
Chain: A: **PDB Molecule:**potassium voltage-gated channel subfamily e
PDBTitle: nmr structure of human kcne1 in 1mpg micelles at ph 6.0 and 240 degree c