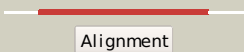

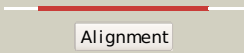
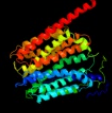
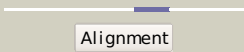

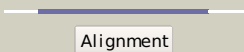

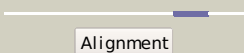




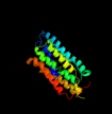
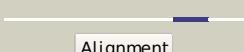

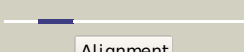
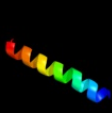
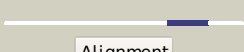
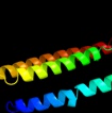
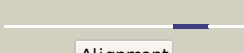










Phyre2

Email	l.a.kelley@imperial.ac.uk
Description	Q46821
Date	Thu Jan 5 12:34:46 GMT 2012
Unique Job ID	cabcf12bf581046a

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c3qe7A_	 Alignment		100.0	28	PDB header: transport protein Chain: A: PDB Molecule: uracil permease; PDBTitle: crystal structure of uracil transporter--uraa
2	d1pw4a_	 Alignment		96.1	9	Fold: MFS general substrate transporter Superfamily: MFS general substrate transporter Family: Glycerol-3-phosphate transporter
3	c3lpzA_	 Alignment		14.2	18	PDB header: protein transport Chain: A: PDB Molecule: get4 (yor164c homolog); PDBTitle: crystal structure of c. therm. get4
4	d1pv7a_	 Alignment		11.1	8	Fold: MFS general substrate transporter Superfamily: MFS general substrate transporter Family: LacY-like proton/sugar symporter
5	c2rngA_	 Alignment		10.1	29	PDB header: antimicrobial protein Chain: A: PDB Molecule: big defensin; PDBTitle: solution structure of big defensin
6	c3orgB_	 Alignment		7.9	15	PDB header: transport protein Chain: B: PDB Molecule: cmclc; PDBTitle: crystal structure of a eukaryotic clc transporter
7	c2xutC_	 Alignment		7.6	9	PDB header: transport protein Chain: C: PDB Molecule: proton/peptide symporter family protein; PDBTitle: crystal structure of a proton dependent oligopeptide (pot)2 family transporter.
8	c3dlaD_	 Alignment		7.5	10	PDB header: ligase Chain: D: PDB Molecule: glutamine-dependent nad(+) synthetase; PDBTitle: x-ray crystal structure of glutamine-dependent nad+ synthetase from2 mycobacterium tuberculosis bound to naad+ and don
9	c1dxzA_	 Alignment		7.5	13	PDB header: transmembrane protein Chain: A: PDB Molecule: acetylcholine receptor protein, alpha chain; PDBTitle: m2 transmembrane segment of alpha-subunit of nicotinic2 acetylcholine receptor from torpedo californica, nmr, 203 structures
10	d1oedb_	 Alignment		7.2	14	Fold: Neurotransmitter-gated ion-channel transmembrane pore Superfamily: Neurotransmitter-gated ion-channel transmembrane pore Family: Neurotransmitter-gated ion-channel transmembrane pore
11	c2la2A_	 Alignment		6.9	21	PDB header: antimicrobial protein Chain: A: PDB Molecule: cecropin; PDBTitle: solution structure of papiliocin isolated from the swallowtail2 butterfly, papilio xuthus

12	c2kncB_	Alignment		6.2	9	PDB header: cell adhesion Chain: B: PDB Molecule: integrin beta-3; PDBTitle: platelet integrin alfaIb-beta3 transmembrane-cytoplasmic2 heterocomplex
13	c2gfpA_	Alignment		6.1	12	PDB header: membrane protein Chain: A: PDB Molecule: multidrug resistance protein d; PDBTitle: structure of the multidrug transporter emrd from2 escherichia coli
14	c2oarA_	Alignment		6.1	9	PDB header: membrane protein Chain: A: PDB Molecule: large-conductance mechanosensitive channel; PDBTitle: mechanosensitive channel of large conductance (mscl)
15	c3hd6A_	Alignment		5.9	10	PDB header: membrane protein, transport protein Chain: A: PDB Molecule: ammonium transporter rh type c; PDBTitle: crystal structure of the human rhesus glycoprotein rhcg
16	d3dhwa1	Alignment		5.8	7	Fold: MetJ-like Superfamily: MetJ-like Family: MetJ-like
17	d1u0sa_	Alignment		5.5	20	Fold: Ferredoxin-like Superfamily: CheY-binding domain of CheA Family: CheY-binding domain of CheA
18	c2nnyA_	Alignment		5.4	5	PDB header: transcription/dna Chain: A: PDB Molecule: c-ets-1 protein; PDBTitle: crystal structure of the ets1 dimer dna complex.

19 [d1gvja_](#)

Alignment



5.2

5

Fold:DNA/RNA-binding 3-helical bundle
Superfamily:"Winged helix" DNA-binding domain
Family:ets domain