



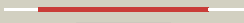




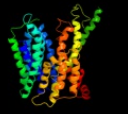











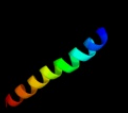


Phyre2

Email	I.a.kelley@imperial.ac.uk
Description	P38055
Date	Thu Jan 5 11:57:55 GMT 2012
Unique Job ID	08477bcb034bcd9c

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	dlpw4a_	 Alignment		100.0	13	Fold: MFS general substrate transporter Superfamily: MFS general substrate transporter Family: Glycerol-3-phosphate transporter
2	c3o7pA_	 Alignment		100.0	11	PDB header: transport protein Chain: A: PDB Molecule: l-fucose-proton symporter; PDBTitle: crystal structure of the e.coli fucose:proton symporter, fucp (n162a)
3	dlpv7a_	 Alignment		100.0	10	Fold: MFS general substrate transporter Superfamily: MFS general substrate transporter Family: LacY-like proton/sugar symporter
4	c2gfpA_	 Alignment		100.0	14	PDB header: membrane protein Chain: A: PDB Molecule: multidrug resistance protein d; PDBTitle: structure of the multidrug transporter emrd from2 escherichia coli
5	c2xutC_	 Alignment		100.0	11	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.
6	c3b9yA_	 Alignment		40.3	10	PDB header: transport protein Chain: A: PDB Molecule: ammonium transporter family rh-like protein; PDBTitle: crystal structure of the nitrosomonas europaea rh protein
7	c3qngD_	 Alignment		17.5	19	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 the2 n,n'-diacetylchitobiose-specific phosphotransferase system
8	dlwfza_	 Alignment		13.5	11	Fold: SufE/NifU Superfamily: SufE/NifU Family: NifU/IscU domain
9	c2g9pA_	 Alignment		13.4	29	PDB header: antimicrobial protein Chain: A: PDB Molecule: antimicrobial peptide laticin 2a; PDBTitle: nmr structure of a novel antimicrobial peptide, laticin 2a,2 from spider (lachesana tarabaevi) venom
10	dlfs1b1	 Alignment		13.1	27	Fold: Skp1 dimerisation domain-like Superfamily: Skp1 dimerisation domain-like Family: Skp1 dimerisation domain-like
11	c2rddB_	 Alignment		12.2	14	PDB header: membrane protein/transport protein Chain: B: PDB Molecule: upf0092 membrane protein yajc; PDBTitle: x-ray crystal structure of acrb in complex with a novel2 transmembrane helix.

12	dlr9pa_	Alignment		9.2	19	Fold: SufE/NifU Superfamily: SufE/NifU Family: NifU/IscU domain
13	d2hsga1	Alignment		8.8	40	Fold: lambda repressor-like DNA-binding domains Superfamily: lambda repressor-like DNA-binding domains Family: GalR/LacI-like bacterial regulator
14	dlofcx1	Alignment		8.6	25	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: Myb/SANT domain
15	dlxjsa_	Alignment		8.3	8	Fold: SufE/NifU Superfamily: SufE/NifU Family: NifU/IscU domain
16	c3mmyF_	Alignment		8.1	38	PDB header: nuclear protein Chain: F: PDB Molecule: nuclear pore complex protein nup98; PDBTitle: structural and functional analysis of the interaction between the2 nucleoporin in nup98 and the mrna export factor rae1
17	dluxda_	Alignment		7.7	20	Fold: lambda repressor-like DNA-binding domains Superfamily: lambda repressor-like DNA-binding domains Family: GalR/LacI-like bacterial regulator
18	dlqpza1	Alignment		7.4	33	Fold: lambda repressor-like DNA-binding domains Superfamily: lambda repressor-like DNA-binding domains Family: GalR/LacI-like bacterial regulator
19	dlfs2b1	Alignment		7.1	27	Fold: Skp1 dimerisation domain-like Superfamily: Skp1 dimerisation domain-like Family: Skp1 dimerisation domain-like
20	c3ff5B_	Alignment		7.1	25	PDB header: protein transport Chain: B: PDB Molecule: peroxisomal biogenesis factor 14; PDBTitle: crystal structure of the conserved n-terminal domain of the2 peroxisomal matrix-protein-import receptor, pex14p
21	c2l8nA_	Alignment	not modelled	6.9	27	PDB header: transcription regulator Chain: A: PDB Molecule: transcriptional repressor cytr; PDBTitle: nmr structure of the cytidine repressor dna binding domain in presence2 of operator half-site dna
22	c2z7eB_	Alignment	not modelled	6.6	7	PDB header: biosynthetic protein Chain: B: PDB Molecule: nifu-like protein; PDBTitle: crystal structure of aquifex aeolicus iscu with bound [2fe-2 2s] cluster
23	c2lcvA_	Alignment	not modelled	6.2	27	PDB header: transcription regulator Chain: A: PDB Molecule: hth-type transcriptional repressor cytr; PDBTitle: structure of the cytidine repressor dna-binding domain; an alternate2 calculation
24	c2f9jP_	Alignment	not modelled	6.1	36	PDB header: rna binding protein Chain: P: PDB Molecule: splicing factor 3b subunit 1; PDBTitle: 3.0 angstrom resolution structure of a y22m mutant of the spliceosomal2 protein p14 bound to a region of sf3b155
25	dluxca_	Alignment	not modelled	6.1	20	Fold: lambda repressor-like DNA-binding domains Superfamily: lambda repressor-like DNA-binding domains Family: GalR/LacI-like bacterial regulator
26	dlso0b_	Alignment	not modelled	5.8	15	Fold: SufE/NifU Superfamily: SufE/NifU Family: NifU/IscU domain
27	d2bjca1	Alignment	not modelled	5.7	27	Fold: lambda repressor-like DNA-binding domains Superfamily: lambda repressor-like DNA-binding domains Family: GalR/LacI-like bacterial regulator
28	dlnexa1	Alignment	not modelled	5.7	45	Fold: Skp1 dimerisation domain-like Superfamily: Skp1 dimerisation domain-like Family: Skp1 dimerisation domain-like
						Fold: lambda repressor-like DNA-binding domains

29	d1efaa1	Alignment	not modelled	5.6	27	Superfamily: lambda repressor-like DNA-binding domains Family: GalR/LacI-like bacterial regulator
30	d1xeqa1	Alignment	not modelled	5.1	50	Fold: S15/NS1 RNA-binding domain Superfamily: S15/NS1 RNA-binding domain Family: N-terminal, RNA-binding domain of nonstructural protein NS1
31	d2ovra1	Alignment	not modelled	5.1	27	Fold: Skp1 dimerisation domain-like Superfamily: Skp1 dimerisation domain-like Family: Skp1 dimerisation domain-like