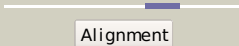



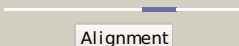

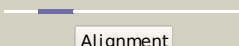

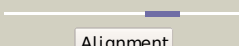
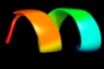
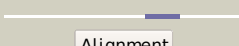


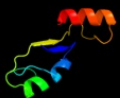
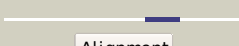








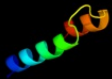
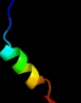

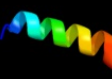


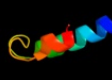



Phyre2

Email	I.a.kelley@imperial.ac.uk
Description	O14681
Date	Thu Apr 26 09:49:22 BST 2012
Unique Job ID	1edd4496cdb40a65

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	d3bpya1	 Alignment		12.6	26	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Forkhead DNA-binding domain
2	c1e17A_	 Alignment		12.4	26	PDB header: dna binding domain Chain: A: PDB Molecule: afx; PDBTitle: solution structure of the dna binding domain of the human2 forkhead transcription factor afx (foxo4)
3	d2c6ya1	 Alignment		12.1	21	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Forkhead DNA-binding domain
4	c2zi0B_	 Alignment		11.7	21	PDB header: gene regulation/rna Chain: B: PDB Molecule: protein 2b; PDBTitle: crystal structure of tav2b/sirna complex
5	c2khrA_	 Alignment		10.6	44	PDB header: biosynthetic protein Chain: A: PDB Molecule: protein mbth; PDBTitle: solution structure of rv2377c, a mbth-like protein from mycobacterium2 tuberculosis
6	d2gpfa1	 Alignment		10.3	50	Fold: Mbth/L9 domain-like Superfamily: Mbth-like Family: Mbth-like
7	d1b74a1	 Alignment		9.8	23	Fold: ATC-like Superfamily: Aspartate/glutamate racemase Family: Aspartate/glutamate racemase
8	d2pstx1	 Alignment		9.7	50	Fold: Mbth/L9 domain-like Superfamily: Mbth-like Family: Mbth-like
9	c3g73A_	 Alignment		9.6	25	PDB header: transcription/dna Chain: A: PDB Molecule: forkhead box protein m1; PDBTitle: structure of the foxm1 dna binding
10	d2a07f1	 Alignment		9.2	16	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Forkhead DNA-binding domain
11	c3co7C_	 Alignment		9.0	21	PDB header: transcription/dna Chain: C: PDB Molecule: forkhead box protein o1; PDBTitle: crystal structure of foxo1 dbd bound to dbe2 dna

12	d1m5ha1	Alignment		8.9	26	Fold: Ferredoxin-like Superfamily: Formylmethanofuran:tetrahydromethanopterin formyltransferase Family: Formylmethanofuran:tetrahydromethanopterin formyltransferase
13	d1dlca3	Alignment		7.9	19	Fold: Toxins' membrane translocation domains Superfamily: delta-Endotoxin (insectocide), N-terminal domain Family: delta-Endotoxin (insectocide), N-terminal domain
14	c1kq8A_	Alignment		7.9	5	PDB header: transcription Chain: A: PDB Molecule: hepatocyte nuclear factor 3 forkhead homolog 1; PDBTitle: solution structure of winged helix protein hfh-1
15	d1kq8a_	Alignment		7.9	5	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Forkhead DNA-binding domain
16	d1ftra1	Alignment		7.6	26	Fold: Ferredoxin-like Superfamily: Formylmethanofuran:tetrahydromethanopterin formyltransferase Family: Formylmethanofuran:tetrahydromethanopterin formyltransferase
17	d1m5sa1	Alignment		7.3	26	Fold: Ferredoxin-like Superfamily: Formylmethanofuran:tetrahydromethanopterin formyltransferase Family: Formylmethanofuran:tetrahydromethanopterin formyltransferase
18	c3j01A_	Alignment		7.3	12	PDB header: ribosome/ribosomal protein Chain: A: PDB Molecule: preprotein translocase secy subunit; PDBTitle: structure of the ribosome-secy complex in the membrane environment
19	d1ji6a3	Alignment		7.1	16	Fold: Toxins' membrane translocation domains Superfamily: delta-Endotoxin (insectocide), N-terminal domain Family: delta-Endotoxin (insectocide), N-terminal domain
20	c21pdA_	Alignment		6.4	50	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: solution structure of a mbth-like protein from burkholderia2 pseudomallei, the etiological agent responsible for melioidosis,3 seattle structural genomics center for infectious disease target4 bupsa.13472.b
21	c1m5hF_	Alignment	not modelled	6.4	26	PDB header: transferase Chain: F: PDB Molecule: formylmethanofuran--tetrahydromethanopterin PDBTitle: formylmethanofuran:tetrahydromethanopterin2 formyltransferase from archaeoglobus fulgidus
22	d1d5va_	Alignment	not modelled	6.4	26	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Forkhead DNA-binding domain
23	d1tfqa_	Alignment	not modelled	6.3	21	Fold: Inhibitor of apoptosis (IAP) repeat Superfamily: Inhibitor of apoptosis (IAP) repeat Family: Inhibitor of apoptosis (IAP) repeat
24	d2hfha_	Alignment	not modelled	6.2	26	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Forkhead DNA-binding domain
25	c1dfwA_	Alignment	not modelled	5.8	22	PDB header: immune system Chain: A: PDB Molecule: lung surfactant protein b; PDBTitle: conformational mapping of the n-terminal segment of2 surfactant protein b in lipid using 13c-enhanced fourier3 transform infrared spectroscopy (ftir)
26	c2fhjD_	Alignment	not modelled	5.7	26	PDB header: transferase Chain: D: PDB Molecule: formylmethanofuran--tetrahydromethanopterin PDBTitle: crystal structure of formylmethanofuran:2 tetrahydromethanopterin formyltransferase in complex with3 its coenzymes
27	c1b9uA_	Alignment	not modelled	5.6	33	PDB header: hydrolase Chain: A: PDB Molecule: protein (atp synthase); PDBTitle: membrane domain of the subunit b of the e.coli atp synthase
28	c3dl8H_	Alignment	not modelled	5.1	13	PDB header: protein transport Chain: H: PDB Molecule: preprotein translocase subunit secy; PDBTitle: structure of the complex of aquifex aeolicus secyeg and2

