
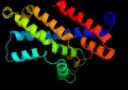
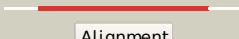

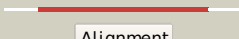
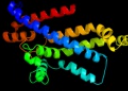




















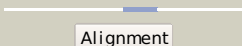

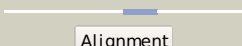
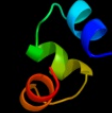
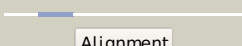

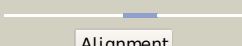

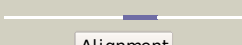
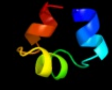

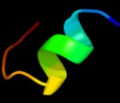


# Phyre2

Email	I.a.kelley@imperial.ac.uk
Description	P0AEU3
Date	Thu Jan 5 11:24:15 GMT 2012
Unique Job ID	132b3d3e4f681c8b

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	<a href="#">c3d31D_</a>	 Alignment		100.0	13	<b>PDB header:</b> transport protein <b>Chain:</b> D: <b>PDB Molecule:</b> sulfate/molybdate abc transporter, permease <b>PDBTitle:</b> modbc from methanosarcina acetivorans
2	<a href="#">d3d31c1</a>	 Alignment		100.0	13	<b>Fold:</b> MetI-like <b>Superfamily:</b> MetI-like <b>Family:</b> MetI-like
3	<a href="#">c2onkC_</a>	 Alignment		100.0	13	<b>PDB header:</b> membrane protein <b>Chain:</b> C: <b>PDB Molecule:</b> molybdate/tungstate abc transporter, permease <b>PDBTitle:</b> abc transporter modbc in complex with its binding protein2 moda
4	<a href="#">d2onkc1</a>	 Alignment		100.0	13	<b>Fold:</b> MetI-like <b>Superfamily:</b> MetI-like <b>Family:</b> MetI-like
5	<a href="#">d2r6gf2</a>	 Alignment		100.0	14	<b>Fold:</b> MetI-like <b>Superfamily:</b> MetI-like <b>Family:</b> MetI-like
6	<a href="#">c2r6gF_</a>	 Alignment		100.0	15	<b>PDB header:</b> hydrolase/transport protein <b>Chain:</b> F: <b>PDB Molecule:</b> maltose transport system permease protein malF; <b>PDBTitle:</b> the crystal structure of the e. coli maltose transporter
7	<a href="#">c3fh6F_</a>	 Alignment		100.0	14	<b>PDB header:</b> transport protein <b>Chain:</b> F: <b>PDB Molecule:</b> maltose transport system permease protein malF; <b>PDBTitle:</b> crystal structure of the resting state maltose transporter from e.2 coli
8	<a href="#">d2r6gg1</a>	 Alignment		100.0	15	<b>Fold:</b> MetI-like <b>Superfamily:</b> MetI-like <b>Family:</b> MetI-like
9	<a href="#">d3dhwa1</a>	 Alignment		99.9	19	<b>Fold:</b> MetI-like <b>Superfamily:</b> MetI-like <b>Family:</b> MetI-like
10	<a href="#">c1umqA_</a>	 Alignment		30.7	13	<b>PDB header:</b> dna-binding protein <b>Chain:</b> A: <b>PDB Molecule:</b> photosynthetic apparatus regulatory protein; <b>PDBTitle:</b> solution structure and dna binding of the effector domain2 from the global regulator prra(rega) from r. sphaeroides:3 insights into dna binding specificity
11	<a href="#">d1umqa_</a>	 Alignment		30.7	13	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> Homeodomain-like <b>Family:</b> FIS-like

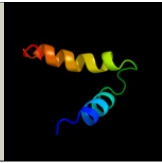
12	<a href="#">d1ntca_</a>	 Alignment		29.1	22	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> Homeodomain-like <b>Family:</b> FIS-like
13	<a href="#">d1fipa_</a>	 Alignment		26.8	10	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> Homeodomain-like <b>Family:</b> FIS-like
14	<a href="#">d1etob_</a>	 Alignment		25.9	10	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> Homeodomain-like <b>Family:</b> FIS-like
15	<a href="#">c3e7lD_</a>	 Alignment		21.9	19	<b>PDB header:</b> transcription regulator <b>Chain:</b> D: <b>PDB Molecule:</b> transcriptional regulator (ntrc family); <b>PDBTitle:</b> crystal structure of sigma54 activator ntrc4's dna binding2 domain
16	<a href="#">c2jwaA_</a>	 Alignment		20.6	12	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> receptor tyrosine-protein kinase erbb-2; <b>PDBTitle:</b> erbb2 transmembrane segment dimer spatial structure
17	<a href="#">d1etxa_</a>	 Alignment		20.2	10	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> Homeodomain-like <b>Family:</b> FIS-like
18	<a href="#">d1g2ha_</a>	 Alignment		12.1	13	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> Homeodomain-like <b>Family:</b> FIS-like
19	<a href="#">c2cw1A_</a>	 Alignment		10.7	40	<b>PDB header:</b> de novo protein <b>Chain:</b> A: <b>PDB Molecule:</b> sn4m; <b>PDBTitle:</b> solution structure of the de novo-designed lambda cro fold2 protein

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[c2i88A](#)



Alignment



6.6

18

**PDB header:**membrane protein  
**Chain:** A: **PDB Molecule:**colicin-e1;  
**PDB title:** crystal structure of the channel-forming domain of colicin2 e1