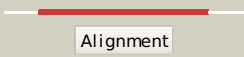

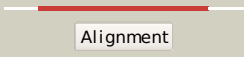
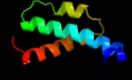
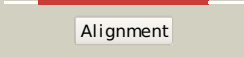

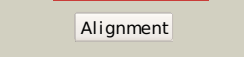
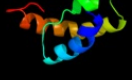
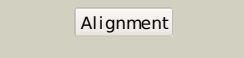

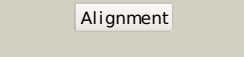

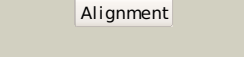

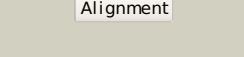



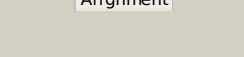
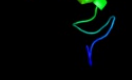
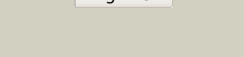



# Phyre2

Email	I.a.kelley@imperial.ac.uk
Description	P0ABS8
Date	Thu Jan 5 11:16:15 GMT 2012
Unique Job ID	c0b711bae75e9f04

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	<a href="#">d2ae9a1</a>	 Alignment		100.0	100	<b>Fold:</b> DNA polymerase III theta subunit-like <b>Superfamily:</b> DNA polymerase III theta subunit-like <b>Family:</b> DNA polymerase III theta subunit-like
2	<a href="#">d2idob1</a>	 Alignment		100.0	62	<b>Fold:</b> DNA polymerase III theta subunit-like <b>Superfamily:</b> DNA polymerase III theta subunit-like <b>Family:</b> DNA polymerase III theta subunit-like
3	<a href="#">d1se7a_</a>	 Alignment		100.0	63	<b>Fold:</b> DNA polymerase III theta subunit-like <b>Superfamily:</b> DNA polymerase III theta subunit-like <b>Family:</b> DNA polymerase III theta subunit-like
4	<a href="#">c1rrza_</a>	 Alignment		96.8	27	<b>PDB header:</b> structural genomics,biosynthetic protein <b>Chain:</b> A: <b>PDB Molecule:</b> glycogen synthesis protein glgs; <b>PDBTitle:</b> solution structure of glgs protein from e. coli
5	<a href="#">d1rrza_</a>	 Alignment		96.8	27	<b>Fold:</b> Spectrin repeat-like <b>Superfamily:</b> Glycogen synthesis protein GlgS <b>Family:</b> Glycogen synthesis protein GlgS
6	<a href="#">d2o70a1</a>	 Alignment		31.6	23	<b>Fold:</b> UraD-like <b>Superfamily:</b> UraD-Like <b>Family:</b> UraD-like
7	<a href="#">d2o8ia1</a>	 Alignment		28.6	20	<b>Fold:</b> UraD-like <b>Superfamily:</b> UraD-Like <b>Family:</b> UraD-like
8	<a href="#">c3o7kA</a>	 Alignment		11.1	11	<b>PDB header:</b> lyase <b>Chain:</b> A: <b>PDB Molecule:</b> ohcu decarboxylase; <b>PDBTitle:</b> crystal structure of 2-oxo-4-hydroxy-4-carboxy-5-ureidoimidazole2 decarboxylase from klebsiella pneumoniae
9	<a href="#">c2qeZC</a>	 Alignment		11.0	40	<b>PDB header:</b> lyase <b>Chain:</b> C: <b>PDB Molecule:</b> ethanolamine ammonia-lyase heavy chain; <b>PDBTitle:</b> crystal structure of ethanolamine ammonia-lyase heavy chain2 (yp_013784.1) from listeria monocytogenes 4b f2365 at 2.15 a3 resolution
10	<a href="#">c2q37A</a>	 Alignment		10.7	21	<b>PDB header:</b> plant protein, lyase <b>Chain:</b> A: <b>PDB Molecule:</b> ohcu decarboxylase; <b>PDBTitle:</b> crystal structure of ohcu decarboxylase in the presence of 2 (s)-allantoin
11	<a href="#">d2q37a1</a>	 Alignment		10.7	21	<b>Fold:</b> UraD-like <b>Superfamily:</b> UraD-Like <b>Family:</b> UraD-like

12	<a href="#">c3ns6B_</a>	Alignment		10.7	33	<b>PDB header:</b> translation <b>Chain:</b> B: <b>PDB Molecule:</b> eukaryotic translation initiation factor 3 subunit b; <b>PDBTitle:</b> crystal structure of hte rna recognition motif of yeast eif3b residues2 76-170
13	<a href="#">d2fzta1</a>	Alignment		10.4	45	<b>Fold:</b> Methionine synthase domain-like <b>Superfamily:</b> TM0693-like <b>Family:</b> TM0693-like
14	<a href="#">c2gzdC_</a>	Alignment		9.8	22	<b>PDB header:</b> protein transport <b>Chain:</b> C: <b>PDB Molecule:</b> rab11 family-interacting protein 2; <b>PDBTitle:</b> crystal structure of rab11 in complex with rab11-fip2
15	<a href="#">c3ndhA_</a>	Alignment		9.3	50	<b>PDB header:</b> hydrolase/dna <b>Chain:</b> A: <b>PDB Molecule:</b> restriction endonuclease thai; <b>PDBTitle:</b> restriction endonuclease in complex with substrate dna
16	<a href="#">c3abqA_</a>	Alignment		8.9	32	<b>PDB header:</b> lyase <b>Chain:</b> A: <b>PDB Molecule:</b> ethanolamine ammonia-lyase heavy chain; <b>PDBTitle:</b> crystal structure of ethanolamine ammonia-lyase from escherichia coli2 complexed with cn-cbl and 2-amino-1-propanol
17	<a href="#">c2o8gl_</a>	Alignment		7.9	24	<b>PDB header:</b> hydrolase/inhibitor <b>Chain:</b> J: <b>PDB Molecule:</b> protein phosphatase inhibitor 2; <b>PDBTitle:</b> rat pp1c gamma complexed with mouse inhibitor-2
18	<a href="#">d1fs2b1</a>	Alignment		7.7	29	<b>Fold:</b> Skp1 dimerisation domain-like <b>Superfamily:</b> Skp1 dimerisation domain-like <b>Family:</b> Skp1 dimerisation domain-like
19	<a href="#">c1cw5A_</a>	Alignment		7.6	75	<b>PDB header:</b> toxin <b>Chain:</b> A: <b>PDB Molecule:</b> type iia bacteriocin carnobacteriocin b2; <b>PDBTitle:</b> solution structure of carnobacteriocin b2
20	<a href="#">d1fs1b1</a>	Alignment		7.4	29	<b>Fold:</b> Skp1 dimerisation domain-like <b>Superfamily:</b> Skp1 dimerisation domain-like <b>Family:</b> Skp1 dimerisation domain-like
21	<a href="#">d1ofcx1</a>	Alignment	not modelled	7.2	18	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> Homeodomain-like <b>Family:</b> Myb/SANT domain
22	<a href="#">d1ryla_</a>	Alignment	not modelled	6.9	10	<b>Fold:</b> Hypothetical protein yfbM <b>Superfamily:</b> Hypothetical protein yfbM <b>Family:</b> Hypothetical protein yfbM
23	<a href="#">d1vr6a1</a>	Alignment	not modelled	6.7	21	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> Aldolase <b>Family:</b> Class I DAHP synthetase
24	<a href="#">c3gndC_</a>	Alignment	not modelled	5.8	14	<b>PDB header:</b> lyase <b>Chain:</b> C: <b>PDB Molecule:</b> aldolase lsrf; <b>PDBTitle:</b> crystal structure of e. coli lsrf in complex with ribulose-5-phosphate
25	<a href="#">c3jsrA_</a>	Alignment	not modelled	5.7	18	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> all0216 protein; <b>PDBTitle:</b> x-ray structure of all0216 protein from nostoc sp. pcc 7120 at the2 resolution 1.8a. northeast structural genomics consortium target3 nsr236
26	<a href="#">c3i4sB_</a>	Alignment	not modelled	5.3	17	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> histidine triad protein; <b>PDBTitle:</b> crystal structure of histidine triad protein blr8122 from2 bradyrhizobium japonicum