




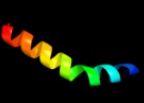

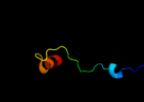

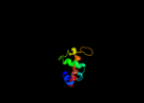







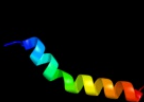















# Phyre2

Email	I.a.kelley@imperial.ac.uk
Description	P0CF92
Date	Thu Jan 5 11:31:51 GMT 2012
Unique Job ID	3534ca1c2dff77a1

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	<a href="#">d1musa_</a>	 Alignment		99.9	17	<b>Fold:</b> Ribonuclease H-like motif <b>Superfamily:</b> Ribonuclease H-like <b>Family:</b> Transposase inhibitor (Tn5 transposase)
2	<a href="#">d1b7ea_</a>	 Alignment		99.9	17	<b>Fold:</b> Ribonuclease H-like motif <b>Superfamily:</b> Ribonuclease H-like <b>Family:</b> Transposase inhibitor (Tn5 transposase)
3	<a href="#">d3pvia_</a>	 Alignment		28.3	23	<b>Fold:</b> Restriction endonuclease-like <b>Superfamily:</b> Restriction endonuclease-like <b>Family:</b> Restriction endonuclease PvuII
4	<a href="#">c2adca_</a>	 Alignment		26.8	19	<b>PDB header:</b> rna binding protein/rna <b>Chain:</b> A: <b>PDB Molecule:</b> polypyrimidine tract-binding protein 1; <b>PDBTitle:</b> solution structure of polypyrimidine tract binding protein2 rbd34 complexed with cucucu rna
5	<a href="#">c3hyia_</a>	 Alignment		19.7	21	<b>PDB header:</b> transcription regulator <b>Chain:</b> A: <b>PDB Molecule:</b> protein duf199/whia; <b>PDBTitle:</b> crystal structure of full-length duf199/whia from thermatoga maritima
6	<a href="#">d2adca1</a>	 Alignment		18.8	15	<b>Fold:</b> Ferredoxin-like <b>Superfamily:</b> RNA-binding domain, RBD <b>Family:</b> Canonical RBD
7	<a href="#">c3hefB_</a>	 Alignment		18.1	15	<b>PDB header:</b> viral protein <b>Chain:</b> B: <b>PDB Molecule:</b> gene 1 protein; <b>PDBTitle:</b> crystal structure of the bacteriophage sf6 terminase small2 subunit
8	<a href="#">c1qm9A_</a>	 Alignment		17.3	15	<b>PDB header:</b> ribonucleoprotein <b>Chain:</b> A: <b>PDB Molecule:</b> polypyrimidine tract-binding protein; <b>PDBTitle:</b> nmr, representative structure
9	<a href="#">c3kskA_</a>	 Alignment		15.6	23	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> type-2 restriction enzyme pvuii; <b>PDBTitle:</b> crystal structure of single chain pvuii
10	<a href="#">c2kviA_</a>	 Alignment		12.9	20	<b>PDB header:</b> rna binding protein <b>Chain:</b> A: <b>PDB Molecule:</b> nuclear polyadenylated rna-binding protein 3; <b>PDBTitle:</b> structure of nab3 rrm
11	<a href="#">d2ctsa_</a>	 Alignment		11.8	10	<b>Fold:</b> Citrate synthase <b>Superfamily:</b> Citrate synthase <b>Family:</b> Citrate synthase

12	<a href="#">c2xigA_</a>	Alignment		10.9	11	<b>PDB header:</b> transcription <b>Chain:</b> A: <b>PDB Molecule:</b> ferric uptake regulation protein; <b>PDBTitle:</b> the structure of the helicobacter pylori ferric uptake2 regulator fur reveals three functional metal binding sites
13	<a href="#">d1ug7a_</a>	Alignment		10.5	30	<b>Fold:</b> Four-helical up-and-down bundle <b>Superfamily:</b> Domain from hypothetical 2610208m17rik protein <b>Family:</b> Domain from hypothetical 2610208m17rik protein
14	<a href="#">c2q9rA_</a>	Alignment		10.1	13	<b>PDB header:</b> unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> protein of unknown function; <b>PDBTitle:</b> crystal structure of a duf416 family protein (sbal_3149) from2 shewanella baltica os155 at 1.91 a resolution
15	<a href="#">d1x4da1</a>	Alignment		9.6	7	<b>Fold:</b> Ferredoxin-like <b>Superfamily:</b> RNA-binding domain, RBD <b>Family:</b> Canonical RBD
16	<a href="#">d1cscha_</a>	Alignment		9.1	12	<b>Fold:</b> Citrate synthase <b>Superfamily:</b> Citrate synthase <b>Family:</b> Citrate synthase
17	<a href="#">d2qklb1</a>	Alignment		9.1	48	<b>Fold:</b> Dcp2 domain-like <b>Superfamily:</b> Dcp2 domain-like <b>Family:</b> Dcp2 box A domain
18	<a href="#">d2ezha_</a>	Alignment		8.9	14	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> Homeodomain-like <b>Family:</b> Recombinase DNA-binding domain
19	<a href="#">d2ezia_</a>	Alignment		7.8	15	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> Homeodomain-like <b>Family:</b> Recombinase DNA-binding domain
20	<a href="#">c2yy0D_</a>	Alignment		7.6	26	<b>PDB header:</b> transcription <b>Chain:</b> D: <b>PDB Molecule:</b> c-myc-binding protein; <b>PDBTitle:</b> crystal structure of ms0802, c-myc-1 binding protein domain2 from homo sapiens
21	<a href="#">d1ftha_</a>	Alignment	not modelled	7.6	4	<b>Fold:</b> 4'-phosphopantetheinyl transferase <b>Superfamily:</b> 4'-phosphopantetheinyl transferase <b>Family:</b> Holo-(acyl carrier protein) synthase ACPS
22	<a href="#">d1nkua_</a>	Alignment	not modelled	7.3	14	<b>Fold:</b> DNA-glycosylase <b>Superfamily:</b> DNA-glycosylase <b>Family:</b> 3-Methyladenine DNA glycosylase I (Tag)
23	<a href="#">c2cg5A_</a>	Alignment	not modelled	7.1	15	<b>PDB header:</b> transferase/hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> l-aminoadipate-semialdehyde dehydrogenase- <b>PDBTitle:</b> structure of aminoadipate-semialdehyde dehydrogenase-2 phosphopantetheinyl transferase in complex with cytosolic3 acyl carrier protein and coenzyme a
24	<a href="#">d2fq4a1</a>	Alignment	not modelled	7.0	19	<b>Fold:</b> DNA/RNA-binding 3-helical bundle <b>Superfamily:</b> Homeodomain-like <b>Family:</b> Tetracyclin repressor-like, N-terminal domain
25	<a href="#">c1u78A_</a>	Alignment	not modelled	7.0	14	<b>PDB header:</b> dna binding protein/dna <b>Chain:</b> A: <b>PDB Molecule:</b> transposable element tc3 transposase; <b>PDBTitle:</b> structure of the bipartite dna-binding domain of tc32 transposase bound to transposon dna
26	<a href="#">c2osqA_</a>	Alignment	not modelled	6.8	16	<b>PDB header:</b> rna binding protein <b>Chain:</b> A: <b>PDB Molecule:</b> nucleolar protein 3; <b>PDBTitle:</b> nmr structure of rrm-1 of yeast npl3 protein
27	<a href="#">c1bcoA_</a>	Alignment	not modelled	6.2	13	<b>PDB header:</b> transposase <b>Chain:</b> A: <b>PDB Molecule:</b> bacteriophage mu transposase; <b>PDBTitle:</b> bacteriophage mu transposase core domain
28	<a href="#">d1wfla_</a>	Alignment	not modelled	6.2	7	<b>Fold:</b> Ferredoxin-like <b>Superfamily:</b> RNA-binding domain, RBD <b>Family:</b> Canonical RBD

29	<a href="#">d1x5ua1</a>	Alignment	not modelled	6.1	9	<b>Fold:</b> Ferredoxin-like <b>Superfamily:</b> RNA-binding domain, RBD <b>Family:</b> Canonical RBD
30	<a href="#">c2xngA</a>	Alignment	not modelled	6.0	20	<b>PDB header:</b> rna binding protein <b>Chain:</b> A: <b>PDB Molecule:</b> nuclear polyadenylated rna-binding protein 3; <b>PDBTitle:</b> structural insights into cis element recognition of non-2 polyadenylated rnas by the nab3-rrm
31	<a href="#">c3d1nK</a>	Alignment	not modelled	5.9	18	<b>PDB header:</b> transcription regulator/dna <b>Chain:</b> K: <b>PDB Molecule:</b> pou domain, class 6, transcription factor 1; <b>PDBTitle:</b> structure of human brn-5 transcription factor in complex2 with corticotrophin-releasing hormone gene promoter
32	<a href="#">d1ro5a</a>	Alignment	not modelled	5.8	16	<b>Fold:</b> Acyl-CoA N-acyltransferases (Nat) <b>Superfamily:</b> Acyl-CoA N-acyltransferases (Nat) <b>Family:</b> Autoinducer synthetase
33	<a href="#">c2jg6A</a>	Alignment	not modelled	5.6	7	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> dna-3-methyladenine glycosidase; <b>PDBTitle:</b> crystal structure of a 3-methyladenine dna glycosylase i2 from staphylococcus aureus
34	<a href="#">d1wglA</a>	Alignment	not modelled	5.6	25	<b>Fold:</b> Ferredoxin-like <b>Superfamily:</b> RNA-binding domain, RBD <b>Family:</b> Canonical RBD
35	<a href="#">c3nnhA</a>	Alignment	not modelled	5.5	8	<b>PDB header:</b> rna binding protein/rna <b>Chain:</b> A: <b>PDB Molecule:</b> cugbp elav-like family member 1; <b>PDBTitle:</b> crystal structure of the cugbp1 rrm1 with guuguuuuguuu rna
36	<a href="#">c2jvoA</a>	Alignment	not modelled	5.3	15	<b>PDB header:</b> rna binding protein <b>Chain:</b> A: <b>PDB Molecule:</b> nucleolar protein 3; <b>PDBTitle:</b> segmental isotope labeling of npl3