




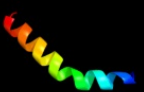


















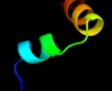
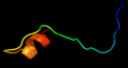

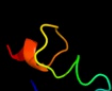

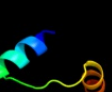
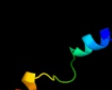


Phyre2

Email	l.a.kelley@imperial.ac.uk
Description	P0CF91
Date	Thu Jan 5 11:31:50 GMT 2012
Unique Job ID	e2b16bc3a5c32336

Detailed template information

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

12	c2xigA_	Alignment		10.9	11	PDB header: transcription Chain: A: PDB Molecule: ferric uptake regulation protein; PDBTitle: the structure of the helicobacter pylori ferric uptake2 regulator fur reveals three functional metal binding sites
13	d1ug7a_	Alignment		10.5	30	Fold: Four-helical up-and-down bundle Superfamily: Domain from hypothetical 2610208m17rik protein Family: Domain from hypothetical 2610208m17rik protein
14	c2q9rA_	Alignment		10.1	13	PDB header: unknown function Chain: A: PDB Molecule: protein of unknown function; PDBTitle: crystal structure of a duf416 family protein (sbal_3149) from2 shewanella baltica os155 at 1.91 a resolution
15	d1x4da1	Alignment		9.6	7	Fold: Ferredoxin-like Superfamily: RNA-binding domain, RBD Family: Canonical RBD
16	d1csha_	Alignment		9.1	12	Fold: Citrate synthase Superfamily: Citrate synthase Family: Citrate synthase
17	d2qklb1	Alignment		9.1	48	Fold: Dcp2 domain-like Superfamily: Dcp2 domain-like Family: Dcp2 box A domain
18	d2ezha_	Alignment		8.9	14	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: Recombinase DNA-binding domain
19	d2ezia_	Alignment		7.8	15	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: Recombinase DNA-binding domain
20	c2yy0D_	Alignment		7.6	26	PDB header: transcription Chain: D: PDB Molecule: c-myc-binding protein; PDBTitle: crystal structure of ms0802, c-myc-1 binding protein domain2 from homo sapiens
21	d1ftha_	Alignment	not modelled	7.6	4	Fold: 4'-phosphopantetheinyl transferase Superfamily: 4'-phosphopantetheinyl transferase Family: Holo-(acyl carrier protein) synthase ACPS
22	d1nkua_	Alignment	not modelled	7.3	14	Fold: DNA-glycosylase Superfamily: DNA-glycosylase Family: 3-Methyladenine DNA glycosylase I (Tag)
23	c2cg5A_	Alignment	not modelled	7.1	15	PDB header: transferase/hydrolase Chain: A: PDB Molecule: l-aminoadipate-semialdehyde dehydrogenase- PDBTitle: structure of aminoadipate-semialdehyde dehydrogenase-2 phosphopantetheinyl transferase in complex with cytosolic3 acyl carrier protein and coenzyme a
24	d2fq4a1	Alignment	not modelled	7.0	19	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: Tetracyclin repressor-like, N-terminal domain
25	c1u78A_	Alignment	not modelled	7.0	14	PDB header: dna binding protein/dna Chain: A: PDB Molecule: transposable element tc3 transposase; PDBTitle: structure of the bipartite dna-binding domain of tc32 transposase bound to transposon dna
26	c2osqA_	Alignment	not modelled	6.8	16	PDB header: rna binding protein Chain: A: PDB Molecule: nucleolar protein 3; PDBTitle: nmr structure of rrm-1 of yeast npl3 protein
27	c1bcoA_	Alignment	not modelled	6.2	13	PDB header: transposase Chain: A: PDB Molecule: bacteriophage mu transposase; PDBTitle: bacteriophage mu transposase core domain
28	d1wfla_	Alignment	not modelled	6.2	7	Fold: Ferredoxin-like Superfamily: RNA-binding domain, RBD Family: Canonical RBD

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