

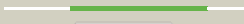

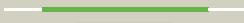
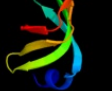



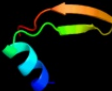











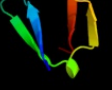
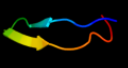






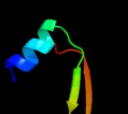



Phyre2

Email	I.a.kelley@imperial.ac.uk
Description	P0AFW8
Date	Thu Jan 5 11:27:27 GMT 2012
Unique Job ID	02b3861c6af67655

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	d1sg5a1	 Alignment		100.0	100	Fold: Rof/RNase P subunit-like Superfamily: Rof/RNase P subunit-like Family: Rof-like
2	c2e12B_	 Alignment		54.5	22	PDB header: translation Chain: B: PDB Molecule: hypothetical protein xcc3642; PDBTitle: the crystal structure of xc5848 from xanthomonas campestris2 adopting a novel variant of sm-like motif
3	d1m5q1_	 Alignment		51.9	16	Fold: Sm-like fold Superfamily: Sm-like ribonucleoproteins Family: Sm motif of small nuclear ribonucleoproteins, SNRNP
4	c3cw15_	 Alignment		41.4	25	PDB header: splicing Chain: 5: PDB Molecule: small nuclear ribonucleoprotein g; PDB Fragment: residues 1-215; PDBTitle: crystal structure of human spliceosomal u1 snrnp
5	c1kq1W_	 Alignment		40.6	13	PDB header: translation Chain: W: PDB Molecule: host factor for q beta; PDBTitle: 1.55 a crystal structure of the pleiotropic translational2 regulator, hfq
6	c2cghB_	 Alignment		40.1	19	PDB header: ligase Chain: B: PDB Molecule: biotin ligase; PDBTitle: crystal structure of biotin ligase from mycobacterium2 tuberculosis
7	c3swnC_	 Alignment		37.7	15	PDB header: rna binding protein Chain: C: PDB Molecule: u6 snrna-associated sm-like protein lsm7; PDBTitle: structure of the lsm657 complex: an assembly intermediate of the lsm12 7 and lsm2 8 rings
8	c1b34A_	 Alignment		30.7	27	PDB header: rna binding protein Chain: A: PDB Molecule: protein (small nuclear ribonucleoprotein sm d1); PDBTitle: crystal structure of the d1d2 sub-complex from the human snrnp core2 domain
9	d1b34a_	 Alignment		30.7	27	Fold: Sm-like fold Superfamily: Sm-like ribonucleoproteins Family: Sm motif of small nuclear ribonucleoproteins, SNRNP
10	c3swnT_	 Alignment		27.6	19	PDB header: rna binding protein Chain: T: PDB Molecule: u6 snrna-associated sm-like protein lsm6; PDBTitle: structure of the lsm657 complex: an assembly intermediate of the lsm12 7 and lsm2 8 rings
11	c3d6wA_	 Alignment		26.6	8	PDB header: dna binding protein Chain: A: PDB Molecule: methyl-accepting/dna response regulator; PDBTitle: lyttr dna-binding domain of putative methyl-accepting/dna response2 regulator from bacillus cereus.

12	c3cw1D_	Alignment		25.1	24	PDB header: splicing Chain: D: PDB Molecule: small nuclear ribonucleoprotein sm d3; PDBTitle: crystal structure of human spliceosomal u1 snrnp
13	d1d3bb_	Alignment		22.9	21	Fold: Sm-like fold Superfamily: Sm-like ribonucleoproteins Family: Sm motif of small nuclear ribonucleoproteins, SNRNP
14	d1b34b_	Alignment		20.4	11	Fold: Sm-like fold Superfamily: Sm-like ribonucleoproteins Family: Sm motif of small nuclear ribonucleoproteins, SNRNP
15	c1b34B_	Alignment		20.4	11	PDB header: rna binding protein Chain: B: PDB Molecule: protein (small nuclear ribonucleoprotein sm d2); PDBTitle: crystal structure of the d1d2 sub-complex from the human snrnp core2 domain
16	c3qiiA_	Alignment		19.3	17	PDB header: transcription regulator Chain: A: PDB Molecule: phd finger protein 20; PDBTitle: crystal structure of tudor domain 2 of human phd finger protein 20
17	c2xk0A_	Alignment		18.1	13	PDB header: transcription Chain: A: PDB Molecule: polycomb protein pcl; PDBTitle: solution structure of the tudor domain from drosophila2 polycomblike (pcl)
18	c3cw1Z_	Alignment		17.6	15	PDB header: splicing Chain: Z: PDB Molecule: small nuclear ribonucleoprotein f; PDBTitle: crystal structure of human spliceosomal u1 snrnp
19	d1hk9a_	Alignment		17.2	19	Fold: Sm-like fold Superfamily: Sm-like ribonucleoproteins Family: Pleiotropic translational regulator Hfq
20	c2fwkB_	Alignment		16.9	5	PDB header: dna binding protein Chain: B: PDB Molecule: u6 snrna-associated sm-like protein lsm5; PDBTitle: crystal structure of cryptosporidium parvum u6 snrna-associated sm-2 like protein lsm5
21	d1a9xb1	Alignment	not modelled	16.5	24	Fold: The "swivelling" beta/beta/alpha domain Superfamily: Carbamoyl phosphate synthetase, small subunit N-terminal domain Family: Carbamoyl phosphate synthetase, small subunit N-terminal domain
22	c3qhsD_	Alignment	not modelled	15.7	19	PDB header: rna binding protein Chain: D: PDB Molecule: protein hfq; PDBTitle: crystal structure of full-length hfq from escherichia coli
23	d1i4k1_	Alignment	not modelled	15.2	15	Fold: Sm-like fold Superfamily: Sm-like ribonucleoproteins Family: Sm motif of small nuclear ribonucleoproteins, SNRNP
24	c3bw1A_	Alignment	not modelled	14.5	11	PDB header: rna binding protein Chain: A: PDB Molecule: u6 snrna-associated sm-like protein lsm3; PDBTitle: crystal structure of homomeric yeast lsm3 exhibiting novel octameric2 ring organisation
25	d1th7a1	Alignment	not modelled	14.1	15	Fold: Sm-like fold Superfamily: Sm-like ribonucleoproteins Family: Sm motif of small nuclear ribonucleoproteins, SNRNP
26	c3cw1A_	Alignment	not modelled	13.5	16	PDB header: splicing Chain: A: PDB Molecule: small nuclear ribonucleoprotein-associated proteins b and PDBTitle: crystal structure of human spliceosomal u1 snrnp
27	c3swnA_	Alignment	not modelled	13.3	10	PDB header: rna binding protein Chain: A: PDB Molecule: u6 snrna-associated sm-like protein lsm5; PDBTitle: structure of the lsm657 complex: an assembly intermediate of the lsm12 7 and lsm2 8 rings
28	c3hshB	Alignment	not modelled	13.3	16	PDB header: rna binding protein/rna Chain: B: PDB Molecule: protein hfq;

54	d1kn0a_	Alignment	not modelled	5.8	29	Superfamily: dsRNA-binding domain-like Family: The homologous-pairing domain of Rad52 recombinase
55	d1kq1a_	Alignment	not modelled	5.5	13	Fold: Sm-like fold Superfamily: Sm-like ribonucleoproteins Family: Pleiotropic translational regulator Hfq
56	c3pgwB_	Alignment	not modelled	5.5	13	PDB header: splicing/dna/rna Chain: B: PDB Molecule: sm b; PDBTitle: crystal structure of human u1 snrnp
57	d1n9sc_	Alignment	not modelled	5.2	11	Fold: Sm-like fold Superfamily: Sm-like ribonucleoproteins Family: Sm motif of small nuclear ribonucleoproteins, SNRNP
58	d2hxa1	Alignment	not modelled	5.0	13	Fold: SH3-like barrel Superfamily: Tudor/PWWP/MBT Family: Tudor domain