


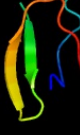

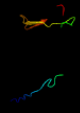



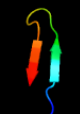



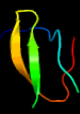



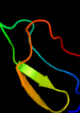

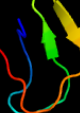


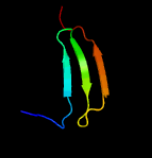

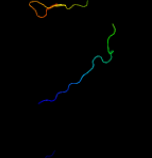
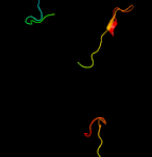
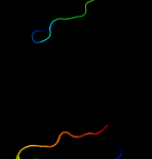

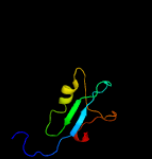
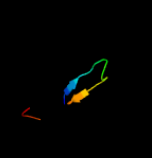
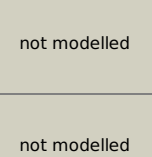


Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD0606 (-) _702019_702762
Date	Fri Jul 26 01:50:16 BST 2019
Unique Job ID	35152ea60806ff31

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c1kcfB_	 Alignment		89.8	14	PDB header: hydrolase Chain: B; PDB Molecule: hypothetical 30.2 kd protein c25g10.02 in PDBTitle: crystal structure of the yeast mitochondrial holliday2 junction resolvase, ydc2
2	c5j3bB_	 Alignment		67.2	23	PDB header: translation Chain: B; PDB Molecule: elongation factor p; PDBTitle: structure of translation elongation factor p from acinetobacter2 baumannii
3	c5id6A_	 Alignment		65.5	16	PDB header: hydrolase Chain: A; PDB Molecule: cpf1; PDBTitle: structure of cpf1/rna complex
4	c5wqeA_	 Alignment		60.6	31	PDB header: rna binding protein Chain: A; PDB Molecule: crispr-associated endonuclease c2c1; PDBTitle: crystal structure of alicyclobacillus acidoterrestris c2c1 in complex2 with single-guide rna at 3.1 angstrom resolution
5	c5u31A_	 Alignment		46.3	25	PDB header: hydrolase/dna Chain: A; PDB Molecule: crispr-associated endonuclease c2c1; PDBTitle: crystal structure of aacc2c1-sgrna-8mer substrate dna ternary complex
6	c3oyyA_	 Alignment		39.3	10	PDB header: translation Chain: A; PDB Molecule: elongation factor p; PDBTitle: structure of pseudomonas aeruginosa elongation factor p
7	c3a5zD_	 Alignment		32.1	28	PDB header: ligase Chain: D; PDB Molecule: elongation factor p; PDBTitle: crystal structure of escherichia coli genx in complex with elongation2 factor p
8	d1ueba3	 Alignment		29.4	30	Fold: OB-fold Superfamily: Nucleic acid-binding proteins Family: Cold shock DNA-binding domain-like
9	c1uebB_	 Alignment		28.2	25	PDB header: rna binding protein Chain: B; PDB Molecule: elongation factor p; PDBTitle: crystal structure of translation elongation factor p from2 thermus thermophilus hb8
10	c1ybyB_	 Alignment		25.7	23	PDB header: translation Chain: B; PDB Molecule: translation elongation factor p; PDBTitle: conserved hypothetical protein cth-95 from clostridium thermocellum
11	d1x2na1	 Alignment		25.3	18	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: Homeodomain

12	c2oceA	Alignment		21.2	22	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: hypothetical protein pa5201; PDBTitle: crystal structure of tex family protein pa5201 from2 pseudomonas aeruginosa
13	d1g4ma1	Alignment		21.0	24	Fold: Immunoglobulin-like beta-sandwich Superfamily: E set domains Family: Arrestin/Vps26-like
14	c5b43A	Alignment		18.0	21	PDB header: hydrolase/rna/dna Chain: A: PDB Molecule: crispr-associated endonuclease cpf1; PDBTitle: crystal structure of acidaminococcus sp. cpf1 in complex with crrna2 and target dna
15	c6iv6A	Alignment		15.8	23	PDB header: immune system/rna Chain: A: PDB Molecule: nuclease; PDBTitle: cryo-em structure of acrv5-acetylated mbcas12a in complex with crrna
16	d1cf1a1	Alignment		14.9	31	Fold: Immunoglobulin-like beta-sandwich Superfamily: E set domains Family: Arrestin/Vps26-like
17	c3f3hA	Alignment		14.8	18	PDB header: antitumor protein Chain: A: PDB Molecule: immunomodulatory protein ling zhi-8; PDBTitle: crystal structure and anti-tumor activity of lz-8 from the fungus2 ganoderma lucidium
18	c2da7A	Alignment		13.8	11	PDB header: dna binding protein Chain: A: PDB Molecule: zinc finger homeobox protein 1b; PDBTitle: solution structure of the homeobox domain of zinc finger2 homeobox protein 1b (smad interacting protein 1)
19	d1mjda	Alignment		12.4	14	Fold: beta-Grasp (ubiquitin-like) Superfamily: Doublecortin (DC) Family: Doublecortin (DC)
20	c5mgaA	Alignment		12.4	32	PDB header: hydrolase Chain: A: PDB Molecule: crispr-associated endonuclease cpf1; PDBTitle: structure of the cpf1 endonuclease r-loop complex after dna cleavage
21	c5nfvA	Alignment	not modelled	11.2	32	PDB header: hydrolase Chain: A: PDB Molecule: crispr-associated endonuclease cpf1; PDBTitle: crystal structure of catalytically inactive fncas12 mutant bound to an2 r-loop structure containing a pre-crrna mimic and full-length dna3 target
22	c4bl0B	Alignment	not modelled	10.7	9	PDB header: cell cycle Chain: B: PDB Molecule: checkpoint serine/threonine-protein kinase bub1; PDBTitle: crystal structure of yeast bub3-bub1 bound to phospho-spc105
23	d1du6a	Alignment	not modelled	10.7	31	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: Homeodomain
24	d2r5yb1	Alignment	not modelled	10.6	24	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: Homeodomain
25	c2e19A	Alignment	not modelled	10.5	15	PDB header: transcription Chain: A: PDB Molecule: transcription factor 8; PDBTitle: solution structure of the homeobox domain from human nil-2-2 a zinc finger protein, transcription factor 8
26	d1yrnb	Alignment	not modelled	9.5	13	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: Homeodomain
27	c4v00B	Alignment	not modelled	9.1	9	PDB header: antimicrobial protein Chain: B: PDB Molecule: monotreme lactating protein; PDBTitle: structural and functional characterization of a novel monotreme-2 specific protein from the milk of the platypus
28	c2dmsA	Alignment	not modelled	9.1	25	PDB header: dna binding protein Chain: A: PDB Molecule: homeobox protein otx2; PDBTitle: solution structure of the homeobox domain of

						homeobox2 protein otx2
29	c3td7A_	Alignment	not modelled	8.8	17	PDB header: oxidoreductase Chain: A: PDB Molecule: fad-linked sulfhydryl oxidase r596; PDBTitle: crysal structure of the mimivirus sulfhydryl oxidase r596
30	c3nauA_	Alignment	not modelled	8.6	29	PDB header: transcription Chain: A: PDB Molecule: zinc fingers and homeoboxes protein 2; PDBTitle: crystal structure of zhx2 hd2 (zinc-fingers and homeoboxes protein 2,2 homeodomain 2)
31	c3zyyY_	Alignment	not modelled	8.4	11	PDB header: iron-sulfur-binding protein Chain: Y: PDB Molecule: iron-sulfur cluster binding protein; PDBTitle: reductive activator for corrinoid,iron-sulfur protein
32	d2f3ci1_	Alignment	not modelled	8.3	7	Fold: Kazal-type serine protease inhibitors Superfamily: Kazal-type serine protease inhibitors Family: Ovomucoid domain III-like
33	c5gjfV_	Alignment	not modelled	7.9	36	PDB header: membrane protein Chain: F: PDB Molecule: voltage-dependent calcium channel subunit alpha-2/delta-1; PDBTitle: structure of the mammalian voltage-gated calcium channel cav1.12 complex at near atomic resolution
34	d1p7ia_	Alignment	not modelled	7.7	14	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: Homeodomain
35	d1osya_	Alignment	not modelled	7.7	23	Fold: Immunoglobulin-like beta-sandwich Superfamily: Fungal immunomodulatory protein, FIP Family: Fungal immunomodulatory protein, FIP
36	d1le8a_	Alignment	not modelled	7.6	13	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: Homeodomain
37	c4uysA_	Alignment	not modelled	7.4	11	PDB header: cell adhesion Chain: A: PDB Molecule: flocculation protein flo11; PDBTitle: x-ray structure of the n-terminal domain of the flocculin2 flo11 from saccharomyces cerevisiae
38	c3a03A_	Alignment	not modelled	7.3	19	PDB header: gene regulation Chain: A: PDB Molecule: t-cell leukemia homeobox protein 2; PDBTitle: crystal structure of hox1111 homeodomain
39	c2cqjA_	Alignment	not modelled	7.3	14	PDB header: rna binding protein Chain: A: PDB Molecule: u3 small nucleolar ribonucleoprotein protein PDBTitle: solution structure of the s4 domain of u3 small nucleolar2 ribonucleoprotein protein imp3 homolog
40	c3narA_	Alignment	not modelled	7.2	38	PDB header: transcription Chain: A: PDB Molecule: zinc fingers and homeoboxes protein 1; PDBTitle: crystal structure of zhx1 hd4 (zinc-fingers and homeoboxes protein 1,2 homeodomain 4)
41	c2lk2A_	Alignment	not modelled	7.0	11	PDB header: transcription Chain: A: PDB Molecule: homeobox protein tgif1; PDBTitle: solution nmr structure of homeobox domain (171-248) of human homeobox2 protein tgif1, northeast structural genomics consortium target3 hr4411b
42	c3zyyX_	Alignment	not modelled	7.0	11	PDB header: iron-sulfur-binding protein Chain: X: PDB Molecule: iron-sulfur cluster binding protein; PDBTitle: reductive activator for corrinoid,iron-sulfur protein
43	d1r5ba2_	Alignment	not modelled	6.7	13	Fold: Elongation factor/aminomethyltransferase common domain Superfamily: EF-Tu/eEF-1alpha/eIF2-gamma C-terminal domain Family: EF-Tu/eEF-1alpha/eIF2-gamma C-terminal domain
44	d1uhsa_	Alignment	not modelled	6.7	19	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: Homeodomain
45	c4ehpB_	Alignment	not modelled	6.6	10	PDB header: cell adhesion Chain: B: PDB Molecule: catenin alpha-1; PDBTitle: crystal structure of human vinculin head domain (residues 1-252) in2 complex with alpha-catenin (residues 277-382)
46	c4xtbA_	Alignment	not modelled	6.5	22	PDB header: transport protein Chain: A: PDB Molecule: calcium uniporter protein, mitochondrial; PDBTitle: crystal structure of the n-terminal domain of the human mitochondrial2 calcium uniporter
47	d1bw5a_	Alignment	not modelled	6.5	21	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: Homeodomain
48	c1yo7A_	Alignment	not modelled	6.4	19	PDB header: replication regulator Chain: A: PDB Molecule: regulatory protein rop; PDBTitle: re-engineering topology of the homodimeric rop protein into a single-2 chain 4-helix bundle
49	d1czan1_	Alignment	not modelled	6.0	15	Fold: Ribonuclease H-like motif Superfamily: Actin-like ATPase domain Family: Hexokinase
50	c2da5A_	Alignment	not modelled	6.0	33	PDB header: dna binding protein Chain: A: PDB Molecule: zinc fingers and homeoboxes protein 3; PDBTitle: solution structure of the second homeobox domain of zinc2 fingers and homeoboxes protein 3 (triple homeobox 13 protein)
51	c5lf8A_	Alignment	not modelled	5.9	28	PDB header: hydrolase Chain: A: PDB Molecule: nucleoside diphosphate-linked moiety x motif 17; PDBTitle: human nucleoside diphosphate-linked moiety x motif 17 (nudt17)
52	c4v19X_	Alignment	not modelled	5.9	22	PDB header: ribosome Chain: X: PDB Molecule: mitoribosomal protein ul23m, mrpl23; PDBTitle: structure of the large subunit of the mammalian mitoribosome, part 12 of 2
53	c2ly9A_	Alignment	not modelled	5.8	19	PDB header: transcription Chain: A: PDB Molecule: zinc fingers and homeoboxes protein 1; PDBTitle: solution nmr structure of homeobox 2 domain from human zhx1 repressor,2 northeast structural genomics consortium (nesg) target hr7907f

54	d1k61a_	Alignment	not modelled	5.7	13	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: Homeodomain
55	d1du0a_	Alignment	not modelled	5.6	19	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: Homeodomain
56	d2hddb_	Alignment	not modelled	5.6	26	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: Homeodomain
57	d2fxaa1	Alignment	not modelled	5.5	13	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: MarR-like transcriptional regulators
58	c3a56B_	Alignment	not modelled	5.4	18	PDB header: hydrolase Chain: B: PDB Molecule: protein-glutaminase; PDBTitle: crystal structure of pro- protein-glutaminase
59	d1v4sa1	Alignment	not modelled	5.3	12	Fold: Ribonuclease H-like motif Superfamily: Actin-like ATPase domain Family: Hexokinase
60	c2k1oA_	Alignment	not modelled	5.3	21	PDB header: gene regulation Chain: A: PDB Molecule: putative; PDBTitle: nmr structure of helicobacter pylori jhp0511 (hp0564).
61	c5luxK_	Alignment	not modelled	5.3	25	PDB header: transcription Chain: K: PDB Molecule: homeobox protein cdx-1; PDBTitle: homeobox transcription factor cdx1 bound to methylated dna
62	d1lfup_	Alignment	not modelled	5.1	13	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: Homeodomain
63	d1pufb_	Alignment	not modelled	5.1	21	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: Homeodomain