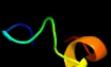
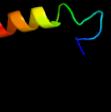
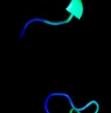
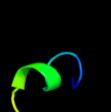
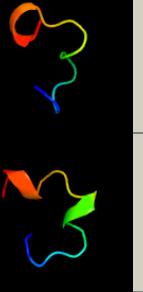
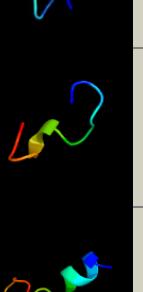
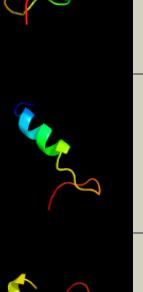
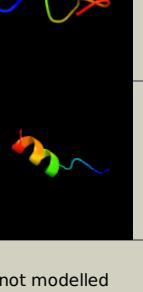


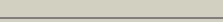
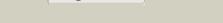
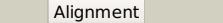
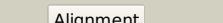
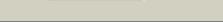
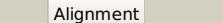
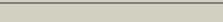
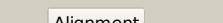
Phyre²

Email	mdejesus@rockefeller.edu
Description	RVBD3260c_(whiB2)_3639869_3640138
Date	Thu Aug 8 16:20:46 BST 2019
Unique Job ID	72c948fa272b0eca

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c5oayA_			100.0	47	PDB header: signaling protein Chain: A: PDB Molecule: transcriptional regulator whib1; PDBTitle: m. tuberculosis [4fe-4s] protein whib1 is a four-helix bundle that2 forms a no-sensitive complex with sigmaa and regulates the major3 virulence factor esx-1
2	c4unfA_			43.0	44	PDB header: lyase Chain: A: PDB Molecule: endonuclease iii-1; PDBTitle: crystal structure of deinococcus radiodurans endonuclease iii-1
3	c4bjsc_			26.1	38	PDB header: cell cycle Chain: C: PDB Molecule: telomere length regulator protein rif1; PDBTitle: crystal structure of the rif1 c-terminal domain (rif1-ctd)2 from saccharomyces cerevisiae
4	d2f62a1			23.6	14	Fold: Flavodoxin-like Superfamily: N-(deoxy)ribosyltransferase-like Family: N-deoxyribosyltransferase
5	c2wj8N_			22.9	21	PDB header: rna binding protein/rna Chain: N: PDB Molecule: nucleoprotein; PDBTitle: respiratory syncitial virus ribonucleoprotein
6	c1hjib_			20.6	58	PDB header: bacteriophage hk022 Chain: B: PDB Molecule: nun-protein; PDBTitle: bacteriophage hk022 nun-protein-nutboxb-rna complex
7	d1rrqa1			20.5	29	Fold: DNA-glycosylase Superfamily: DNA-glycosylase Family: Mismatch glycosylase
8	c1rrqa_			18.5	26	PDB header: hydrolase/dna Chain: A: PDB Molecule: muty; PDBTitle: muty adenine glycosylase in complex with dna containing an2 a:oxog pair
9	c1vd3A_			18.0	24	PDB header: hydrolase Chain: A: PDB Molecule: rnase ngr3; PDBTitle: ribonuclease nt in complex with 2'-ump
10	c5fvcf_			17.9	18	PDB header: viral protein Chain: F: PDB Molecule: hmpv nucleoprotein; PDBTitle: structure of rna-bound decameric hmpv nucleoprotein
11	d1orna_			17.7	38	Fold: DNA-glycosylase Superfamily: DNA-glycosylase Family: Endonuclease III

12	d1kg2a_	Alignment		16.9	29	Fold: DNA-glycosylase Superfamily: DNA-glycosylase Family: Mismatch glycosylase
13	c4uobA_	Alignment		16.5	25	PDB header: lyase Chain: A: PDB Molecule: endonuclease iii-3; PDBTitle: crystal structure of deinococcus radiodurans endonuclease iii-3
14	c2pqxA_	Alignment		15.4	29	PDB header: hydrolase Chain: A: PDB Molecule: ribonuclease i; PDBTitle: e. coli rna 1 (in vivo folded)
15	d1keaa_	Alignment		15.1	31	Fold: DNA-glycosylase Superfamily: DNA-glycosylase Family: Mismatch glycosylase
16	c3saeA_	Alignment		13.6	22	PDB header: lyase Chain: A: PDB Molecule: alpha-bisabolene synthase; PDBTitle: structure of a three-domain sesquiterpene synthase: a prospective2 target for advanced biofuels production
17	c3pybB_	Alignment		12.9	14	PDB header: isomerase Chain: B: PDB Molecule: ent-copalyl diphosphate synthase, chloroplastic; PDBTitle: crystal structure of ent-copalyl diphosphate synthase from arabidopsis thaliana in complex with 13-aza-13,14-dihydrocopalyl diphosphate
18	c6dx2A_	Alignment		12.8	25	PDB header: hydrolase, protein binding Chain: A: PDB Molecule: rna-dependent rna polymerase; PDBTitle: crystal structure of the viral otu domain protease from dera ghazi khan virus
19	c3n5nX_	Alignment		11.7	31	PDB header: hydrolase Chain: X: PDB Molecule: a/g-specific adenine dna glycosylase; PDBTitle: crystal structure analysis of the catalytic domain and interdomain2 connector of human muty homologue
20	c2ormA_	Alignment		10.4	25	PDB header: isomerase Chain: A: PDB Molecule: probable tautomerase hp0924; PDBTitle: crystal structure of the 4-oxalocrotonate tautomerase homologue dmp12 from helicobacter pylori.
21	c6f40P_	Alignment	not modelled	9.2	0	PDB header: transcription Chain: P: PDB Molecule: dna-directed rna polymerase iii subunit rpc6; PDBTitle: rna polymerase iii open complex
22	c3p5rB_	Alignment	not modelled	9.1	22	PDB header: lyase Chain: B: PDB Molecule: taxadiene synthase; PDBTitle: crystal structure of taxadiene synthase from pacific yew (taxus2 brevifolia) in complex with mg2+ and 2-fluorogeranylgeranyl3 diphosphate
23	c5fj9P_	Alignment	not modelled	9.0	8	PDB header: transcription Chain: P: PDB Molecule: dna-directed rna polymerase iii subunit rpc6; PDBTitle: cryo-em structure of yeast apo rna polymerase iii at 4.6 a
24	c3gycB_	Alignment	not modelled	8.0	23	PDB header: hydrolase Chain: B: PDB Molecule: putative glycoside hydrolase; PDBTitle: crystal structure of putative glycoside hydrolase (yp_001304622.1)2 from parabacteroides distasonis atcc 8503 at 1.85 a resolution
25	d2abka_	Alignment	not modelled	7.9	30	Fold: DNA-glycosylase Superfamily: DNA-glycosylase Family: Endonuclease III
26	c3s9vD_	Alignment	not modelled	7.9	33	PDB header: lyase, isomerase Chain: D: PDB Molecule: abietadiene synthase, chloroplastic; PDBTitle: abietadiene synthase from abies grandis
27	c3abfB_	Alignment	not modelled	7.5	24	PDB header: isomerase Chain: B: PDB Molecule: 4-oxalocrotonate tautomerase; PDBTitle: crystal structure of a 4-oxalocrotonate tautomerase homologue2 (tthb242)
28	d1otfa_	Alignment	not modelled	7.4	24	Fold: Tautomerase/MIF Superfamily: Tautomerase/MIF Family: 4-oxalocrotonate tautomerase-like

29	c2x4kB		Alignment	not modelled	7.3	18	PDB header: isomerase Chain: B: PDB Molecule: 4-oxalocrotonate tautomerase; PDBTitle: crystal structure of sar1376, a putative 4-oxalocrotonate2 tautomerase from the methicillin-resistant staphylococcus3 aureus (mrsa)
30	d1k1xa1		Alignment	not modelled	7.3	35	Fold: immunoglobulin/albumin-binding domain-like Superfamily: Families 57/38 glycoside transferase middle domain Family: 4-alpha-glucanotransferase, domain 2
31	c1i8yA		Alignment	not modelled	7.2	40	PDB header: cytokine Chain: A: PDB Molecule: granulin-1; PDBTitle: semi-automatic structure determination of the cg1 3-302 peptide based on aria
32	d1i8ya		Alignment	not modelled	7.2	40	Fold: Knottins (small inhibitors, toxins, lectins) Superfamily: Granulin repeat Family: Granulin repeat
33	c2ru1A		Alignment	not modelled	7.0	44	PDB header: hormone Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: solution structure of esf3
34	d1b4ua		Alignment	not modelled	7.0	8	Fold: LigA subunit of an aromatic-ring-opening dioxygenase LigAB Superfamily: LigA subunit of an aromatic-ring-opening dioxygenase LigAB Family: LigA subunit of an aromatic-ring-opening dioxygenase LigAB
35	c2mvnA		Alignment	not modelled	7.0	19	PDB header: translation Chain: A: PDB Molecule: elongation factor 1-delta; PDBTitle: solution structure of eef1bdelta car domain in tctp-bound state
36	c5m6qA		Alignment	not modelled	6.8	54	PDB header: transferase Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of kutzneria albida transglutaminase
37	c3mb2G		Alignment	not modelled	6.8	24	PDB header: isomerase Chain: G: PDB Molecule: 4-oxalocrotonate tautomerase family enzyme - alpha subunit; PDBTitle: kinetic and structural characterization of a heterohexamer 4-2 oxalocrotonate tautomerase from chloroflexus aurantiacus j-10-fl:3 implications for functional and structural diversity in the4 tautomerase superfamily
38	c3j20T		Alignment	not modelled	6.7	54	PDB header: ribosome Chain: T: PDB Molecule: 30s ribosomal protein s19p; PDBTitle: promiscuous behavior of proteins in archaeal ribosomes revealed by2 cryo-em: implications for evolution of eukaryotic ribosomes (30s3 ribosomal subunit)
39	c4fafzB		Alignment	not modelled	6.5	18	PDB header: isomerase Chain: B: PDB Molecule: 4-oxalocrotonate isomerase protein; PDBTitle: kinetic and structural characterization of the 4-oxalocrotonate2 tautomerase isozymes from methylibium petroleiphilum
40	c2mvma		Alignment	not modelled	6.4	19	PDB header: translation Chain: A: PDB Molecule: elongation factor 1-delta; PDBTitle: solution structure of eef1bdelta car domain
41	c4fdxB		Alignment	not modelled	6.4	18	PDB header: isomerase Chain: B: PDB Molecule: 4-oxalocrotonase tautomerase isozyme; PDBTitle: kinetic and structural characterization of the 4-oxalocrotonate2 tautomerase isozymes from methylibium petroleiphilum
42	c2xzms		Alignment	not modelled	6.1	54	PDB header: ribosome Chain: S: PDB Molecule: rps15e; PDBTitle: crystal structure of the eukaryotic 40s ribosomal2 subunit in complex with initiation factor 1. this file3 contains the 40s subunit and initiation factor for4 molecule 1
43	c2op8A		Alignment	not modelled	6.0	18	PDB header: isomerase Chain: A: PDB Molecule: probable tautomerase ywhb; PDBTitle: crystal structure of ywhb- homologue of 4-oxalocrotonate tautomerase
44	d1dixa		Alignment	not modelled	5.9	35	Fold: Ribonuclease Rh-like Superfamily: Ribonuclease Rh-like Family: Ribonuclease Rh-like
45	c3ry0A		Alignment	not modelled	5.7	24	PDB header: isomerase Chain: A: PDB Molecule: putative tautomerase; PDBTitle: crystal structure of tomn, a 4-oxalocrotonate tautomerase homologue in2 tomaymycin biosynthetic pathway
46	d1bjpa		Alignment	not modelled	5.6	29	Fold: Tautomerase/MIF Superfamily: Tautomerase/MIF Family: 4-oxalocrotonate tautomerase-like
47	c5xxuP		Alignment	not modelled	5.6	46	PDB header: ribosome Chain: P: PDB Molecule: ribosomal protein us19; PDBTitle: small subunit of toxoplasma gondii ribosome
48	c4boza		Alignment	not modelled	5.4	19	PDB header: hydrolase Chain: A: PDB Molecule: ubiquitin thioesterase otu1; PDBTitle: structure of otud2 otu domain in complex with k11-linked di ubiquitin
49	c3j38P		Alignment	not modelled	5.4	46	PDB header: ribosome Chain: P: PDB Molecule: 40s ribosomal protein s15, isoform a; PDBTitle: structure of the d. melanogaster 40s ribosomal proteins