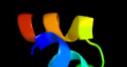
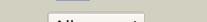
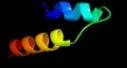
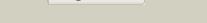
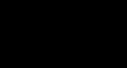
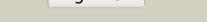
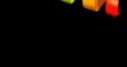
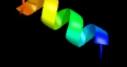
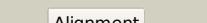
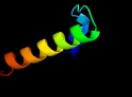
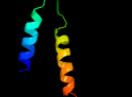


Phyre²

Email	mdejesus@rockefeller.edu
Description	RVBD3190A_(RVBD3190A)_3556852_3557061
Date	Thu Aug 8 16:20:38 BST 2019
Unique Job ID	19fc9499f6358a2e

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c5fimA	 Alignment		24.7	14	PDB header: unknown function Chain: A: PDB Molecule: ygau; PDBTitle: the structure of kbp.k from e. coli
2	d1y7ma2	 Alignment		24.5	20	Fold: LysM domain Superfamily: LysM domain Family: LysM domain
3	c2mkxA	 Alignment		21.2	30	PDB header: hydrolase Chain: A: PDB Molecule: autolysin; PDBTitle: solution structure of lysm the peptidoglycan binding domain of2 autolysin atla from enterococcus faecalis
4	c1ks9A	 Alignment		20.2	19	PDB header: oxidoreductase Chain: A: PDB Molecule: 2-dehydropantoate 2-reductase; PDBTitle: ketopantoate reductase from escherichia coli
5	d1ks9a1	 Alignment		18.7	19	Fold: 6-phosphogluconate dehydrogenase C-terminal domain-like Superfamily: 6-phosphogluconate dehydrogenase C-terminal domain-like Family: Ketopantoate reductase PanE
6	d1eoga	 Alignment		16.3	40	Fold: LysM domain Superfamily: LysM domain Family: LysM domain
7	c4pqIB	 Alignment		14.5	20	PDB header: dna binding protein Chain: B: PDB Molecule: truncated replication protein repa; PDBTitle: n-terminal domain of dna binding protein
8	c2yonA	 Alignment		14.3	50	PDB header: signaling protein Chain: A: PDB Molecule: sensory box protein; PDBTitle: solution nmr structure of the c-terminal extension of two bacterial2 light, oxygen, voltage (lov) photoreceptor proteins from3 pseudomonas putida
9	c3no7A	 Alignment		13.8	53	PDB header: dna binding protein Chain: A: PDB Molecule: putative plasmid related protein; PDBTitle: crystal structure of the centromere-binding protein parb from plasmid2 pcxc100
10	c5zhcA	 Alignment		12.4	30	PDB header: dna binding protein Chain: A: PDB Molecule: transcriptional regulator; PDBTitle: crystal structure of the padr-family transcriptional regulator rv34882 of mycobacterium tuberculosis h37rv
11	d2ev0a1	 Alignment		12.4	33	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Iron-dependent repressor protein

12	c3k96B_	Alignment		12.3	33	PDB header: oxidoreductase Chain: B: PDB Molecule: glycerol-3-phosphate dehydrogenase [nad(p)+]; PDBTitle: 2.1 angstrom resolution crystal structure of glycerol-3-phosphate2 dehydrogenase (gpsa) from coxiella burnetii
13	c5ocdD_	Alignment		12.0	29	PDB header: rna binding protein Chain: D: PDB Molecule: cyclodipeptide synthase; PDBTitle: structure of a cdps from fluoribacter dumoffii
14	c5nbcD_	Alignment		10.6	22	PDB header: dna binding protein Chain: D: PDB Molecule: ferric uptake regulation protein; PDBTitle: structure of prokaryotic transcription factors
15	c2djpa_	Alignment		10.3	20	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: hypothetical protein sb145; PDBTitle: the solution structure of the lysm domain of human2 hypothetical protein sb145
16	d2nrac1	Alignment		10.2	20	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Replication initiation protein
17	d1fipa_	Alignment		10.1	27	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: FIS-like
18	c4b3nA_	Alignment		10.1	29	PDB header: sugar binding protein/ligase Chain: A: PDB Molecule: maltose-binding periplasmic protein, tripartite motif- PDBTitle: crystal structure of rhesus trim5alpha pry/spry domain
19	c4pxvC_	Alignment		10.1	20	PDB header: sugar binding protein Chain: C: PDB Molecule: chitinase a; PDBTitle: crystal structure of lysm domain from pteris ryukyuensis chitinase a
20	c6hu9e_	Alignment		9.8	23	PDB header: oxidoreductase/electron transport Chain: E: PDB Molecule: cytochrome b-c1 complex subunit rieske, mitochondrial; PDBTitle: iii2-iv2 mitochondrial respiratory supercomplex from s. cerevisiae
21	d1g3wa1	Alignment	not modelled	9.7	32	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Iron-dependent repressor protein
22	d1dj0a_	Alignment	not modelled	9.6	21	Fold: Pseudouridine synthase Superfamily: Pseudouridine synthase Family: Pseudouridine synthase I TruA
23	c5k2IA_	Alignment	not modelled	9.3	50	PDB header: hydrolase Chain: A: PDB Molecule: chitinase, lysozyme; PDBTitle: crystal structure of lysm domain from volvox carteri chitinase
24	c5l9wb_	Alignment	not modelled	9.2	58	PDB header: ligase Chain: B: PDB Molecule: acetophenone carboxylase gamma subunit; PDBTitle: crystal structure of the apc core complex
25	d2itba1	Alignment	not modelled	9.2	19	Fold: Ferritin-like Superfamily: Ferritin-like Family: MiaE-like
26	c5bumA_	Alignment	not modelled	8.5	40	PDB header: sugar binding protein Chain: A: PDB Molecule: chitinase a; PDBTitle: crystal structure of lysm domain from equisetum arvense chitinase a
27	c3bjqA_	Alignment	not modelled	8.4	35	PDB header: viral protein Chain: A: PDB Molecule: phage-related protein; PDBTitle: crystal structure of a phage-related protein (bb3626) from bordetella2 bronchiseptica rb50 at 2.05 a resolution
28	c5l9wB_	Alignment	not modelled	8.4	67	PDB header: ligase Chain: B: PDB Molecule: acetophenone carboxylase gamma subunit; PDBTitle: crystal structure of the apc core complex
29	d2isy1	Alignment	not modelled	7.8	33	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain

					Family: Iron-dependent repressor protein
30	d1q6za2	Alignment	not modelled	7.8	Fold: Thiamin diphosphate-binding fold (THDP-binding) Superfamily: Thiamin diphosphate-binding fold (THDP-binding) Family: Pyruvate oxidase and decarboxylase Pyr module
31	d1v9pa3	Alignment	not modelled	7.7	Fold: ATP-grasp Superfamily: DNA ligase/mRNA capping enzyme, catalytic domain Family: Adenylation domain of NAD ⁺ -dependent DNA ligase
32	d1mzba_	Alignment	not modelled	7.4	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: FUR-like
33	c1jpxA_	Alignment	not modelled	7.1	PDB header: viral protein Chain: A: PDB Molecule: gp41 envelope protein; PDBTitle: mutation that destabilize the gp41 core: determinants for stabilizing2 the siv/cpmac envelope glycoprotein complex. wild type.
34	c4p96B_	Alignment	not modelled	6.9	PDB header: transcription Chain: B: PDB Molecule: fatty acid metabolism regulator protein; PDBTitle: fadr, fatty acid responsive transcription factor from vibrio cholerae
35	c2l9yA_	Alignment	not modelled	6.4	PDB header: sugar binding protein Chain: A: PDB Molecule: cvnh-lysm lectin; PDBTitle: solution structure of the mcvnh-lysm module from the rice blast2 fungus magnaporthe oryzae protein (mgg_03307)
36	c1hsjA_	Alignment	not modelled	6.2	PDB header: transcription/sugar binding protein Chain: A: PDB Molecule: fusion protein consisting of staphylococcus accessory PDBTitle: sarr mbp fusion structure
37	d3lada3	Alignment	not modelled	6.1	Fold: CO dehydrogenase flavoprotein C-domain-like Superfamily: FAD/NAD-linked reductases, dimerisation (C-terminal) domain Family: FAD/NAD-linked reductases, dimerisation (C-terminal) domain
38	c5fgmA_	Alignment	not modelled	5.8	PDB header: hydrolase Chain: A: PDB Molecule: ecf rna polymerase sigma factor sigr; PDBTitle: streptomyces coelicolor sigr region 4
39	d1w7pd1	Alignment	not modelled	5.8	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Vacuolar sorting protein domain
40	c3g17H_	Alignment	not modelled	5.7	PDB header: structural genomics, unknown function Chain: H: PDB Molecule: similar to 2-dehydropantoate 2-reductase; PDBTitle: structure of putative 2-dehydropantoate 2-reductase from2 staphylococcus aureus
41	c6dlcB_	Alignment	not modelled	5.7	PDB header: de novo protein Chain: B: PDB Molecule: designed protein dhd1:234_b; PDBTitle: designed protein dhd1:234_a, designed protein dhd1:234_b
42	c4bryB_	Alignment	not modelled	5.7	PDB header: cell cycle Chain: B: PDB Molecule: multicilin; PDBTitle: the idas:geminin heterodimeric parallel coiled-coil
43	c2kelB_	Alignment	not modelled	5.6	PDB header: transcription repressor Chain: B: PDB Molecule: uncharacterized protein 56b; PDBTitle: structure of the transcription regulator svtr from the2 hyperthermophilic archaeal virus sirv1
44	c4uz2D_	Alignment	not modelled	5.4	PDB header: hydrolase Chain: D: PDB Molecule: cell wall-binding endopeptidase-related protein; PDBTitle: crystal structure of the n-terminal lysm domains from the putative2 nlpc/p60 d,l endopeptidase from t. thermophilus
45	c3f10A_	Alignment	not modelled	5.4	PDB header: hydrolase, lyase Chain: A: PDB Molecule: 8-oxoguanine-dna-glycosylase; PDBTitle: crystal structure of clostridium acetobutylicum 8-oxoguanine dna2 glycosylase in complex with 8-oxoguanosine
46	c3mwmA_	Alignment	not modelled	5.3	PDB header: transcription Chain: A: PDB Molecule: putative metal uptake regulation protein; PDBTitle: graded expression of zinc-responsive genes through two regulatory2 zinc-binding sites in zur