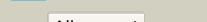
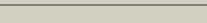
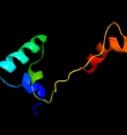
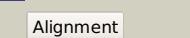
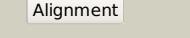
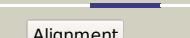
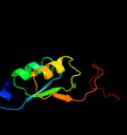
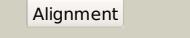
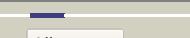
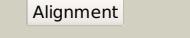
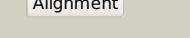
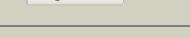


Phyre²

Email	mdejesus@rockefeller.edu
Description	RVBD0394c_(-)_474125_474844
Date	Tue Jul 23 14:50:46 BST 2019
Unique Job ID	7c1f5a14da9dd792

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c3x0uB_			65.4	39	PDB header: toxin Chain: B: PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of pirb
2	d1jhfa1			30.3	33	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: LexA repressor, N-terminal DNA-binding domain
3	c2e11B_			28.7	27	PDB header: hydrolase Chain: B: PDB Molecule: hydrolase; PDBTitle: the crystal structure of xc1258 from xanthomonas campestris: a cn-2 hydrolase superfamily protein with an arsenic adduct in the active3 site
4	c5zhhB_			22.5	35	PDB header: hydrolase Chain: B: PDB Molecule: inositol-1-monophosphatase; PDBTitle: structure of inositol monophosphatase from anabaena (nostoc) sp. pcc2 7120
5	c3a5iB_			19.2	25	PDB header: protein transport Chain: B: PDB Molecule: flagellar biosynthesis protein flha; PDBTitle: structure of the cytoplasmic domain of flha
6	c5z2wB_			16.5	56	PDB header: cell cycle Chain: B: PDB Molecule: cell division protein ftsb; PDBTitle: crystal structure of the bacterial cell division protein ftsq and ftsb
7	d1jlia_			15.7	29	Fold: 4-helical cytokines Superfamily: 4-helical cytokines Family: Short-chain cytokines
8	c6ohza_			15.2	24	PDB header: unknown function Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: structure of an uncharacterized protein from leptospira borgpetersenii2 serovar hardjo-bovis (strain jb197)
9	c4k05B_			15.2	38	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: conserved hypothetical exported protein; PDBTitle: crystal structure of a duf1343 family protein (bf0371) from2 bacteroides fragilis nctc 9343 at 1.65 a resolution
10	c4jjaA_			13.5	47	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: hypothetical protein; PDBTitle: crystal structure of a duf1343 family protein (bf0379) from2 bacteroides fragilis nctc 9343 at 1.30 a resolution
11	c5j84A_			13.0	27	PDB header: lyase Chain: A: PDB Molecule: dihydroxy-acid dehydratase; PDBTitle: crystal structure of l-arabinonate dehydratase in holo-form

12	c5fb5B_			12.1	28	PDB header: viral protein Chain: B: PDB Molecule: distal tube protein; PDBTitle: crystal structure of the bacteriophage phi29 tail knob protein gp9
13	d1mabg_			11.5	29	Fold: Pyruvate kinase C-terminal domain-like Superfamily: ATP synthase (F1-ATPase), gamma subunit Family: ATP synthase (F1-ATPase), gamma subunit
14	c3cjeA_			10.5	29	PDB header: oxidoreductase Chain: A: PDB Molecule: osmc-like protein; PDBTitle: crystal structure of an osmc-like hydroperoxide resistance protein2 (jann_2040) from jannaschia sp. ccs1 at 1.70 a resolution
15	d1sed_			9.3	38	Fold: Hypothetical protein Yhal Superfamily: Hypothetical protein Yhal Family: Hypothetical protein Yhal
16	d1bjja2			8.9	33	Fold: Immunoglobulin-like beta-sandwich Superfamily: Immunoglobulin Family: I set domains
17	c2dxBR_			8.7	19	PDB header: hydrolase Chain: R: PDB Molecule: thiocyanate hydrolase subunit gamma; PDBTitle: recombinant thiocyanate hydrolase comprising partially-modified cobalt2 centers
18	c3mixA_			8.4	16	PDB header: protein transport Chain: A: PDB Molecule: flagellar biosynthesis protein flha; PDBTitle: crystal structure of the cytosolic domain of b. subtilis flha
19	c6omzA_			8.3	21	PDB header: ligase Chain: A: PDB Molecule: dihydropteroate synthase; PDBTitle: crystal structure of dihydropteroate synthase from mycobacterium2 smegmatis with bound 6-hydroxymethylpterin-monophosphate
20	d1ppjc2			8.2	45	Fold: Heme-binding four-helical bundle Superfamily: Transmembrane di-heme cytochromes Family: Cytochrome b of cytochrome bc1 complex (Ubiquinol-cytochrome c reductase)
21	c5zmmD_		not modelled	8.2	34	PDB header: dna binding protein Chain: D: PDB Molecule: uncharacterized protein mcra; PDBTitle: structure of the type iv phosphorothioation-dependent restriction2 endonuclease scomra
22	c3o4zD_		not modelled	8.1	14	PDB header: protein binding Chain: D: PDB Molecule: telomere length regulation protein tel2; PDBTitle: tel2 structure and function in the hsp90-dependent maturation of mtor2 and atr complexes
23	d2v9va1		not modelled	8.0	53	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: C-terminal fragment of elongation factor SelB
24	c2y5sA_		not modelled	8.0	21	PDB header: transferase Chain: A: PDB Molecule: dihydropteroate synthase; PDBTitle: crystal structure of burkholderia cenocepacia dihydropteroate2 synthase complexed with 7,8-dihydropteroate.
25	c5uz9K_		not modelled	7.8	31	PDB header: immune system/rna Chain: K: PDB Molecule: anti-crispr protein 30; PDBTitle: cryo em structure of anti-crisprs, acrf1 and acrf2, bound to type i-f2 crRNA-guided crispr surveillance complex
26	d1ox0a2		not modelled	7.7	26	Fold: Thiolase-like Superfamily: Thiolase-like Family: Thiolase-related
27	d2e74a1		not modelled	7.6	27	Fold: Heme-binding four-helical bundle Superfamily: Transmembrane di-heme cytochromes Family: Cytochrome b of cytochrome bc1 complex (Ubiquinol-cytochrome c reductase)
28	c2g7rA_		not modelled	7.5	38	PDB header: hydrolase Chain: A: PDB Molecule: mucosa-associated lymphoid tissue lymphoma translocation PDBTitle: x-ray structure of the death domain of the human mucosa associated2 lymphoid tissue lymphoma translocation protein

						1
29	c2ht9A	Alignment	not modelled	7.5	40	PDB header: oxidoreductase Chain: A: PDB Molecule: glutaredoxin-2; PDBTitle: the structure of dimeric human glutaredoxin 2
30	d3cx5c2	Alignment	not modelled	7.3	41	Fold: Heme-binding four-helical bundle Superfamily: Transmembrane di-heme cytochromes Family: Cytochrome b of cytochrome bc1 complex (Ubiquinol-cytochrome c reductase)
31	d2cfua2	Alignment	not modelled	7.3	23	Fold: Metallo-hydrolase/oxidoreductase Superfamily: Metallo-hydrolase/oxidoreductase Family: Alkylsulfatase-like
32	c2e2kc	Alignment	not modelled	7.1	35	PDB header: hydrolase Chain: C: PDB Molecule: formamidase; PDBTitle: helicobacter pylori formamidase amif contains a fine-tuned cysteine-2 glutamate-lysine catalytic triad
33	c5td7A	Alignment	not modelled	7.1	24	PDB header: hydrolase Chain: A: PDB Molecule: zgc:55652; PDBTitle: crystal structure of histone deacetylase 10
34	c1jbjA	Alignment	not modelled	6.9	33	PDB header: immune system Chain: A: PDB Molecule: cd3 epsilon and gamma ectodomain fragment PDBTitle: cd3 epsilon and gamma ectodomain fragment complex in single-2 chain construct
35	d2zjrn1	Alignment	not modelled	6.9	25	Fold: PABP domain-like Superfamily: Ribosomal protein L20 Family: Ribosomal protein L20
36	c3jx9B	Alignment	not modelled	6.8	30	PDB header: isomerase Chain: B: PDB Molecule: putative phosphoheptose isomerase; PDBTitle: crystal structure of putative phosphoheptose isomerase2 (yp_001815198.1) from exiguobacterium sp. 255-15 at 1.95 a resolution
37	d1q90b	Alignment	not modelled	6.6	27	Fold: Heme-binding four-helical bundle Superfamily: Transmembrane di-heme cytochromes Family: Cytochrome b of cytochrome bc1 complex (Ubiquinol-cytochrome c reductase)
38	d1bccc3	Alignment	not modelled	6.5	41	Fold: Heme-binding four-helical bundle Superfamily: Transmembrane di-heme cytochromes Family: Cytochrome b of cytochrome bc1 complex (Ubiquinol-cytochrome c reductase)
39	d1p5dx3	Alignment	not modelled	6.4	22	Fold: Phosphoglucomutase, first 3 domains Superfamily: Phosphoglucomutase, first 3 domains Family: Phosphoglucomutase, first 3 domains
40	c2kubA	Alignment	not modelled	6.3	38	PDB header: structural protein Chain: A: PDB Molecule: fimbriae-associated protein fap1; PDBTitle: solution structure of the alpha subdomain of the major non-repeat unit2 of fap1 fimbriae of streptococcus parasanguis
41	d2j01u1	Alignment	not modelled	6.2	29	Fold: PABP domain-like Superfamily: Ribosomal protein L20 Family: Ribosomal protein L20
42	c2e1mb	Alignment	not modelled	6.1	14	PDB header: oxidoreductase Chain: B: PDB Molecule: l-glutamate oxidase; PDBTitle: crystal structure of l-glutamate oxidase from streptomyces sp. x-119-6
43	c3ebjD	Alignment	not modelled	6.0	43	PDB header: transferase Chain: D: PDB Molecule: polymerase acidic protein; PDBTitle: crystal structure of an avian influenza virus protein
44	c3rguA	Alignment	not modelled	5.9	38	PDB header: structural protein Chain: A: PDB Molecule: fimbriae-associated protein fap1; PDBTitle: structure of fap-nra at ph 5.0
45	c4v19U	Alignment	not modelled	5.8	25	PDB header: ribosome Chain: U: PDB Molecule: mitoribosomal protein bl20m, mrpl20; PDBTitle: structure of the large subunit of the mammalian mitoribosome, part 12 of 2
46	c4e5gB	Alignment	not modelled	5.7	43	PDB header: viral protein, transcription Chain: B: PDB Molecule: polymerase protein pa; PDBTitle: crystal structure of avian influenza virus pa bound to compound 2
47	c3gx1A	Alignment	not modelled	5.7	23	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: lin1832 protein; PDBTitle: crystal structure of a domain of lin1832 from listeria innocua
48	c3fzaA	Alignment	not modelled	5.6	40	PDB header: oxidoreductase Chain: A: PDB Molecule: glutaredoxin; PDBTitle: crystal structure of poplar glutaredoxin s12 in complex with2 glutathione and beta-mercaptoethanol
49	c4i2uA	Alignment	not modelled	5.6	32	PDB header: oxidoreductase Chain: A: PDB Molecule: glutaredoxin; PDBTitle: crystal structure of the reduced glutaredoxin from chlorella2 sorokiniana t-89 in complex with glutathione
50	d2b8na1	Alignment	not modelled	5.6	29	Fold: GckA/TtuD-like Superfamily: GckA/TtuD-like Family: GckA/TtuD-like
51	d1jhba	Alignment	not modelled	5.3	30	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Thioltransferase
52	c2w69B	Alignment	not modelled	5.2	43	PDB header: transcription Chain: B: PDB Molecule: polymerase acidic protein; PDBTitle: influenza polymerase fragment
53	c1x3IA	Alignment	not modelled	5.2	33	PDB header: transferase Chain: A: PDB Molecule: hypothetical protein ph0495; PDBTitle: crystal structure of the ph0495 protein from pyrococcus horikoshii ot3
54	c5oynb	Alignment	not modelled	5.2	18	PDB header: lyase Chain: B: PDB Molecule: dehydratase, ilvd/edd family; PDBTitle: crystal structure of d-xylonate dehydratase in holo-form

55	d1uj4a1	Alignment	not modelled	5.2	30	Fold: NagB/RpiA/CoA transferase-like Superfamily: NagB/RpiA/CoA transferase-like Family: D-ribose-5-phosphate isomerase (RpiA), catalytic domain
----	-------------------------	-----------	--------------	-----	----	---