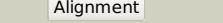
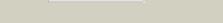
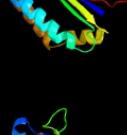
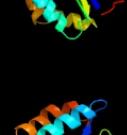
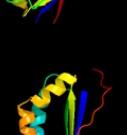
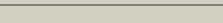
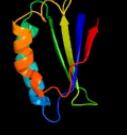


Phyre²

Email	mdejesus@rockefeller.edu
Description	RVBD1117 (-) _1241638_1241961
Date	Wed Jul 31 22:05:20 BST 2019
Unique Job ID	f61134800b0c6eaa

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c3bm7A			99.9	20	PDB header: oxidoreductase Chain: A: PDB Molecule: protein of unknown function with ferredoxin-like fold; PDBTitle: crystal structure of a putative antibiotic biosynthesis monooxygenase2 (cc_2132) from caulobacter crescentus cb15 at 1.35 a resolution
2	c4dpoA			99.9	26	PDB header: unknown function Chain: A: PDB Molecule: conserved protein; PDBTitle: crystal structure of a conserved protein mm_1583 from methanosaclina2 mazei go1
3	d2pd1a1			99.9	22	Fold: Ferredoxin-like Superfamily: Dimeric alpha+beta barrel Family: PA3566-like
4	c2omoC			99.9	21	PDB header: oxidoreductase Chain: C: PDB Molecule: duf176; PDBTitle: putative antibiotic biosynthesis monooxygenase from nitrosomonas2 europaea
5	c3e8oB			99.9	20	PDB header: oxidoreductase Chain: B: PDB Molecule: uncharacterized protein with ferredoxin-like fold; PDBTitle: crystal structure of a putative antibiotic biosynthesis monooxygenase2 (dr_2100) from deinococcus radiodurans at 1.40 a resolution
6	c3mcsB			99.9	18	PDB header: oxidoreductase Chain: B: PDB Molecule: putative monooxygenase; PDBTitle: crystal structure of putative monooxygenase (fn1347) from fusobacterium nucleatum subsp. nucleatum atcc 25586 at 2.55 a3 resolution
7	c2bbeA			99.9	26	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: hypothetical protein so0527; PDBTitle: crystal structure of protein so0527 from shewanella oneidensis
8	d2omoa1			99.9	22	Fold: Ferredoxin-like Superfamily: Dimeric alpha+beta barrel Family: PA3566-like
9	d1tuya			99.9	15	Fold: Ferredoxin-like Superfamily: Dimeric alpha+beta barrel Family: PA3566-like
10	c4zosA			99.9	25	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: protein ye0340 from yersinia enterocolitica subsp. PDBTitle: 2.20 angstrom resolution crystal structure of protein ye0340 of 2 unidentified function from yersinia enterocolitica subsp.3 enterocolitica 8081]
11	c4dn9B			99.9	12	PDB header: oxidoreductase Chain: B: PDB Molecule: antibiotic biosynthesis monooxygenase; PDBTitle: crystal structure of putative antibiotic biosynthesis monooxygenase2 from chloroflexus aurantiacus j-10-fl

12	c2gffB_	Alignment		99.9	19	PDB header: sugar binding protein Chain: B: PDB Molecule: lsrg protein; PDBTitle: crystal structure of yersinia pestis lsrg
13	c3gz7B_	Alignment		99.9	16	PDB header: biosynthetic protein Chain: B: PDB Molecule: putative antibiotic biosynthesis monooxygenase; PDBTitle: crystal structure of putative antibiotic biosynthesis monooxygenase2 (np_888398.1) from bordetella bronchiseptica at 2.15 a resolution
14	c2fb0A_	Alignment		99.9	17	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: conserved hypothetical protein; PDBTitle: crystal structure of conserved protein of unknown function from2 bacteroides thetaiotaomicron vpi-5482 at 2.10 a resolution, possible3 oxidoreductase
15	c4hl9B_	Alignment		99.9	19	PDB header: oxidoreductase Chain: B: PDB Molecule: antibiotic biosynthesis monooxygenase; PDBTitle: crystal structure of antibiotic biosynthesis monooxygenase
16	d1y0ha_	Alignment		99.9	21	Fold: Ferredoxin-like Superfamily: Dimeric alpha+beta barrel Family: PA3566-like
17	c3fgvB_	Alignment		99.9	16	PDB header: oxidoreductase Chain: B: PDB Molecule: uncharacterized protein with ferredoxin-like fold; PDBTitle: crystal structure of a putative antibiotic biosynthesis monooxygenase2 (spo2313) from silicibacter pomeroyi dss-3 at 1.30 a resolution
18	d1x7va_	Alignment		99.9	23	Fold: Ferredoxin-like Superfamily: Dimeric alpha+beta barrel Family: PA3566-like
19	c3kkfA_	Alignment		99.8	17	PDB header: oxidoreductase Chain: A: PDB Molecule: putative antibiotic biosynthesis monooxygenase; PDBTitle: crystal structure of putative antibiotic biosynthesis monooxygenase2 (np_810307.1) from bacteroides thetaiotaomicron vpi-5482 at 1.30 a3 resolution
20	c3f44A_	Alignment		99.8	18	PDB header: oxidoreductase Chain: A: PDB Molecule: putative monooxygenase; PDBTitle: crystal structure of putative monooxygenase (yp_193413.1) from lactobacillus acidophilus ncfm at 1.55 a resolution
21	d1iuja_	Alignment	not modelled	99.8	13	Fold: Ferredoxin-like Superfamily: Dimeric alpha+beta barrel Family: PG130-like
22	c3kngA_	Alignment	not modelled	99.8	16	PDB header: oxidoreductase Chain: A: PDB Molecule: snoab; PDBTitle: crystal structure of snoab, a cofactor-independent oxygenase2 from streptomyces nogalater, determined to 1.9 resolution
23	d1q8ba_	Alignment	not modelled	99.8	15	Fold: Ferredoxin-like Superfamily: Dimeric alpha+beta barrel Family: Hypothetical protein YjcS
24	c3hx9B_	Alignment	not modelled	99.7	14	PDB header: oxidoreductase Chain: B: PDB Molecule: protein rv3592; PDBTitle: structure of heme-degrader, mhud (rv3592), from2 mycobacterium tuberculosis with two hemes bound in its3 active site
25	d2zdpa1	Alignment	not modelled	99.5	13	Fold: Ferredoxin-like Superfamily: Dimeric alpha+beta barrel Family: PG130-like
26	c6fxdB_	Alignment	not modelled	99.5	18	PDB header: biosynthetic protein Chain: B: PDB Molecule: mupz; PDBTitle: crystal structure of mupz from pseudomonas fluorescens
27	c3tvzA_	Alignment	not modelled	99.4	14	PDB header: oxidoreductase Chain: A: PDB Molecule: putative uncharacterized protein yhgc; PDBTitle: structure of bacillus subtilis hmob
28	c5f9pA_	Alignment	not modelled	99.4	12	PDB header: oxidoreductase Chain: A: PDB Molecule: anthrone oxidase-like protein; PDBTitle: crystal structure study of anthrone oxidase-like protein
						PDB header: unknown function

79	c2w2iC_	Alignment	not modelled	16.0	20	PDB header: oxidoreductase Chain: C: PDB Molecule: 2-oxoglutarate oxygenase; PDBTitle: crystal structure of the human 2-oxoglutarate oxygenase2 loc390245
80	d1i1ga2	Alignment	not modelled	13.3	16	Fold: Ferredoxin-like Superfamily: Dimeric alpha+beta barrel Family: Lrp/AsnC-like transcriptional regulator C-terminal domain
81	c3or8A_	Alignment	not modelled	10.0	10	PDB header: transcription Chain: A: PDB Molecule: transcription elongation factor spt6; PDBTitle: a tandem sh2 domain in transcription elongation factor spt6
82	c3opwA_	Alignment	not modelled	8.3	4	PDB header: oxidoreductase Chain: A: PDB Molecule: dna damage-responsive transcriptional repressor rph1; PDBTitle: crystal structure of the rph1 catalytic core
83	d2pbza2	Alignment	not modelled	8.2	10	Fold: ATP-grasp Superfamily: Glutathione synthetase ATP-binding domain-like Family: PurP ATP-binding domain-like
84	c4jcuC_	Alignment	not modelled	7.7	11	PDB header: isomerase Chain: C: PDB Molecule: 5-carboxymethyl-2-hydroxymuconate isomerase; PDBTitle: crystal structure of a 5-carboxymethyl-2-hydroxymuconate isomerase2 from deinococcus radiodurans r1
85	d2cyya2	Alignment	not modelled	7.7	7	Fold: Ferredoxin-like Superfamily: Dimeric alpha+beta barrel Family: Lrp/AsnC-like transcriptional regulator C-terminal domain
86	c1bmxA_	Alignment	not modelled	7.3	28	PDB header: viral protein Chain: A: PDB Molecule: human immunodeficiency virus type 1 capsid; PDBTitle: hiv-1 capsid protein major homology region peptide analog 2 nmr, 8 structures
87	d1fo8a_	Alignment	not modelled	7.1	13	PDB header: Nucleotide-diphospho-sugar transferases Superfamily: Nucleotide-diphospho-sugar transferases Family: N-acetylglicosaminyltransferase I
88	c2dcjA_	Alignment	not modelled	6.7	20	PDB header: hydrolase Chain: A: PDB Molecule: xylanase j; PDBTitle: a two-domain structure of alkaliphilic xynj from bacillus sp. 41m-1
89	c5yknA_	Alignment	not modelled	6.6	9	PDB header: gene regulation Chain: A: PDB Molecule: probable lysine-specific demethylase jmj14; PDBTitle: crystal structure of arabidopsis thaliana jmj14 catalytic domain
90	c2os2A_	Alignment	not modelled	6.4	15	PDB header: oxidoreductase Chain: A: PDB Molecule: jmjc domain-containing histone demethylation protein 3a; PDBTitle: crystal structure of jmmj2a complexed with histone h3 peptide2 trimethylated at lys36
91	c4lbhA_	Alignment	not modelled	6.4	14	PDB header: lyase Chain: A: PDB Molecule: 5-chloro-2-hydroxyhydroquinone dehydrochlorinase (tfqg); PDBTitle: 5-chloro-2-hydroxyhydroquinone dehydrochlorinase (tfqg) from2 burkholderia phenoliruptrix ac1100: apo-form
92	c4igpA_	Alignment	not modelled	6.2	13	PDB header: structural protein Chain: A: PDB Molecule: os05g0196500 protein; PDBTitle: histone h3 lysine 4 demethylating rice jmj703 apo enzyme
93	c3bpjD_	Alignment	not modelled	5.9	8	PDB header: translation Chain: D: PDB Molecule: eukaryotic translation initiation factor 3 subunit j; PDBTitle: crystal structure of human translation initiation factor 3, subunit 12 alpha
94	c2zbcH_	Alignment	not modelled	5.7	9	PDB header: transcription Chain: H: PDB Molecule: 83aa long hypothetical transcriptional regulator asnc; PDBTitle: crystal structure of sts042, a stand-alone ram module protein, from2 hyperthermophilic archaeon sulfobolbus tokodaii strain7.
95	c4npbA_	Alignment	not modelled	5.6	11	PDB header: isomerase Chain: A: PDB Molecule: protein disulfide isomerase ii; PDBTitle: the crystal structure of thiol:disulfide interchange protein dsbc from2 yersinia pestis co92
96	c2uwqA_	Alignment	not modelled	5.5	17	PDB header: apoptosis Chain: A: PDB Molecule: apoptosis-stimulating of p53 protein 2; PDBTitle: solution structure of aspp2 n-terminus
97	d1f5ja_	Alignment	not modelled	5.4	26	Fold: Concanavalin A-like lectins/glucanases Superfamily: Concanavalin A-like lectins/glucanases Family: Xylanase/endoglucanase 11/12