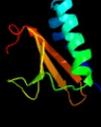
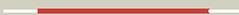
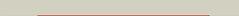


Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD2866_(-)_3177832_3178095
Date	Wed Aug 7 12:50:53 BST 2019
Unique Job ID	Of1540e3691abe7c

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c3g5oC_	 Alignment		99.9	100	PDB header: toxin/antitoxin Chain: C: PDB Molecule: uncharacterized protein rv2866; PDBTitle: the crystal structure of the toxin-antitoxin complex relbe2 (rv2865-2 2866) from mycobacterium tuberculosis
2	c2kheA_	 Alignment		99.9	35	PDB header: hydrolase Chain: A: PDB Molecule: toxin-like protein; PDBTitle: solution structure of the bacterial toxin rele from thermus2 thermophilus hb8
3	d1wmia1	 Alignment		99.9	25	Fold: RelE-like Superfamily: RelE-like Family: RelE-like
4	c3kixy_	 Alignment		99.9	22	PDB header: ribosome Chain: Y: PDB Molecule: PDBTitle: structure of rele nuclease bound to the 70s ribosome (postcleavage2 state; part 3 of 4)
5	c3bpgD_	 Alignment		99.9	23	PDB header: toxin Chain: D: PDB Molecule: toxin rele3; PDBTitle: crystal structure of relb-rele antitoxin-toxin complex from2 methanococcus jannaschii
6	c2otrA_	 Alignment		99.6	19	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: hypothetical protein hp0892; PDBTitle: solution structure of conserved hypothetical protein hp0892 from2 helicobacter pylori
7	c3oeiH_	 Alignment		99.3	29	PDB header: toxin, protein binding Chain: H: PDB Molecule: relk (toxin rv3358); PDBTitle: crystal structure of mycobacterium tuberculosis reljk (rv3357-rv3358-2 relbe3)
8	d2a6sa1	 Alignment		99.2	24	Fold: RelE-like Superfamily: RelE-like Family: YoeB/Txe-like
9	d1z8ma1	 Alignment		99.1	19	Fold: RelE-like Superfamily: RelE-like Family: RelE-like
10	c4q2uH_	 Alignment		98.9	16	PDB header: toxin/toxin repressor Chain: H: PDB Molecule: mrna interferase yafq; PDBTitle: crystal structure of the e. coli dinj-yafq toxin-antitoxin complex
11	c5cegB_	 Alignment		98.7	20	PDB header: toxin Chain: B: PDB Molecule: plasmid stabilization system; PDBTitle: x-ray structure of toxin/anti-toxin complex from mesorhizobium2 opportunistum

12	c5cw7H_	Alignment		97.9	23	PDB header: toxin Chain: H: PDB Molecule: plasmid stabilization protein pare; PDBTitle: crystal structure of the paaa2-pare2 antitoxin-toxin complex
13	c3kxeB_	Alignment		97.9	23	PDB header: protein binding Chain: B: PDB Molecule: toxin protein pare-1; PDBTitle: a conserved mode of protein recognition and binding in a2 pard-pare toxin-antitoxin complex
14	c4mctD_	Alignment		97.5	18	PDB header: toxin Chain: D: PDB Molecule: killer protein; PDBTitle: p. vulgaris higba structure, crystal form 1
15	c5ja9D_	Alignment		97.0	17	PDB header: toxin Chain: D: PDB Molecule: toxin higb-2; PDBTitle: crystal structure of the higb2 toxin in complex with nb6
16	c6f8sD_	Alignment		92.8	21	PDB header: toxin Chain: D: PDB Molecule: putative killer protein; PDBTitle: toxin-antitoxin complex grata
17	c2kruA_	Alignment		77.6	16	PDB header: oxidoreductase Chain: A: PDB Molecule: light-independent protochlorophyllide reductase subunit b; PDBTitle: solution nmr structure of the pcpr_red domain of light-independent2 protochlorophyllide reductase subunit b from chlorobium tepidum.3 northeast structural genomics consortium target ctr69a
18	c2I09A_	Alignment		69.9	14	PDB header: oxidoreductase Chain: A: PDB Molecule: asr4154 protein; PDBTitle: solution nmr structure of protein asr4154 from nostoc sp. pcc71202 northeast structural genomics consortium target id nsr143
19	c5ifgC_	Alignment		57.6	17	PDB header: hydrolase/antitoxin Chain: C: PDB Molecule: mrna interferase higb; PDBTitle: crystal structure of higa-higb complex from e. coli
20	c4b2gB_	Alignment		51.8	17	PDB header: signaling protein Chain: B: PDB Molecule: gh3-1 auxin conjugating enzyme; PDBTitle: crystal structure of an indole-3-acetic acid amido synthase from vitis2 vinifera involved in auxin homeostasis
21	c6avhA_	Alignment	not modelled	51.7	14	PDB header: ligase, plant protein Chain: A: PDB Molecule: gh3.15 acyl acid amido synthetase; PDBTitle: gh3.15 acyl acid amido synthetase
22	c4ewvB_	Alignment	not modelled	47.3	16	PDB header: ligase Chain: B: PDB Molecule: 4-substituted benzoates-glutamate ligase gh3.12; PDBTitle: crystal structure of gh3.12 in complex with ampcpp
23	c4eplA_	Alignment	not modelled	46.2	17	PDB header: ligase Chain: A: PDB Molecule: jasmonic acid-amido synthetase jar1; PDBTitle: crystal structure of arabidopsis thaliana gh3.11 (jar1) in complex2 with ja-ile
24	c5kodA_	Alignment	not modelled	40.0	19	PDB header: ligase Chain: A: PDB Molecule: indole-3-acetic acid-amido synthetase gh3.5; PDBTitle: crystal structure of gh3.5 acyl acid amido synthetase from arabidopsis2 thaliana
25	c2ynmD_	Alignment	not modelled	15.8	15	PDB header: oxidoreductase Chain: D: PDB Molecule: light-independent protochlorophyllide reductase subunit b; PDBTitle: structure of the adpxalf3-stabilized transition state of the2 nitrogenase-like dark-operative protochlorophyllide oxidoreductase3 complex from prochlorococcus marinus with its substrate4 protochlorophyllide a
26	c2lc0A_	Alignment	not modelled	15.0	9	PDB header: protein binding Chain: A: PDB Molecule: putative uncharacterized protein tb39.8; PDBTitle: rv0020c_ nter structure
27	c2apnA_	Alignment	not modelled	11.8	22	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: protein hi1723; PDBTitle: hi1723 solution structure
						PDB header: hydrolase

28	c4le6B_	Alignment	not modelled	11.8	13	Chain: B: PDB Molecule: organophosphorus hydrolase; PDBTitle: crystal structure of the phosphotriesterase ophc2 from pseudomonas2 pseudoalcaligenes
29	c4xukB_	Alignment	not modelled	11.0	19	PDB header: hydrolase Chain: B: PDB Molecule: putative hydrolase; PDBTitle: crystal structure of hydrolase aboph in beta lactamase superfamily
30	d1ugja_	Alignment	not modelled	8.2	12	Fold: PRC-barrel domain Superfamily: PRC-barrel domain Family: RIKEN cDNA 2310057j16 protein (KIAA1543)
31	c2lf0A_	Alignment	not modelled	7.2	22	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein yibI; PDBTitle: solution structure of sf3636, a two-domain unknown function protein2 from shigella flexneri 2a, determined by joint refinement of nmr,3 residual dipolar couplings and small-angle x-ray scattering, nesg4 target sfr339/ocsp target sf3636
32	d1p9ea_	Alignment	not modelled	7.2	17	Fold: Metallo-hydrolase/oxidoreductase Superfamily: Metallo-hydrolase/oxidoreductase Family: Methyl parathion hydrolase
33	c1p9eA_	Alignment	not modelled	7.2	17	PDB header: hydrolase Chain: A: PDB Molecule: methyl parathion hydrolase; PDBTitle: crystal structure analysis of methyl parathion hydrolase from2 pseudomonas sp wbc-3
34	c1x60A_	Alignment	not modelled	6.7	18	PDB header: hydrolase Chain: A: PDB Molecule: sporulation-specific n-acetylmuramoyl-l-alanine PDBTitle: solution structure of the peptidoglycan binding domain of2 b. subtilis cell wall lytic enzyme cwlc
35	c5m5cC_	Alignment	not modelled	6.6	17	PDB header: transport protein Chain: C: PDB Molecule: calmodulin-regulated spectrin-associated protein 1; PDBTitle: mechanism of microtubule minus-end recognition and protection by2 camsap proteins
36	c2h5gA_	Alignment	not modelled	5.8	21	PDB header: oxidoreductase Chain: A: PDB Molecule: delta 1-pyrroline-5-carboxylate synthetase; PDBTitle: crystal structure of human pyrroline-5-carboxylate synthetase
37	c6fkfd_	Alignment	not modelled	5.5	21	PDB header: membrane protein Chain: D: PDB Molecule: atp synthase subunit beta, chloroplastic; PDBTitle: chloroplast f1fo conformation 1