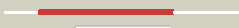

















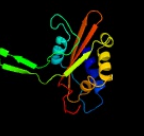




Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD1975 (-)_2218060_2218725
Date	Mon Aug 5 13:25:07 BST 2019
Unique Job ID	daa9940d9fb144b2

Detailed template
information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c4ifaA_	 Alignment		100.0	12	PDB header: unknown function Chain: A; PDB Molecule: extracellular protein containing a scp domain; PDBTitle: 1.5 angstrom resolution crystal structure of an extracellular protein2 containing a scp domain from bacillus anthracis str. ames
2	c4h0aB_	 Alignment		100.0	11	PDB header: unknown function Chain: B; PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of a cysteine-rich secretory protein (sav1118) from2 staphylococcus aureus subsp. aureus mu50 at 1.90 a resolution
3	c4d53A_	 Alignment		100.0	20	PDB header: structural protein Chain: A; PDB Molecule: bb0689; PDBTitle: outer surface protein bb0689 from borrelia burgdorferi
4	d1cfea_	 Alignment		99.4	15	Fold: PR-1-like Superfamily: PR-1-like Family: PR-1-like
5	d1smba_	 Alignment		99.1	23	Fold: PR-1-like Superfamily: PR-1-like Family: PR-1-like
6	c5jysA_	 Alignment		99.0	22	PDB header: transport protein Chain: A; PDB Molecule: protein pry1; PDBTitle: pry1 cap domain
7	c5v51B_	 Alignment		98.9	15	PDB header: lipid binding protein Chain: B; PDB Molecule: pr-1 protein; PDBTitle: crystal structure of mppr-1i soaked with selenourea for 10 min
8	d1qnxa_	 Alignment		98.4	19	Fold: PR-1-like Superfamily: PR-1-like Family: PR-1-like
9	c3nt8A_	 Alignment		98.4	15	PDB header: immune system Chain: A; PDB Molecule: ancylostoma secreted protein 1; PDBTitle: crystal structure of na-asp-1
10	c2vznA_	 Alignment		98.4	20	PDB header: allergen Chain: A; PDB Molecule: venom allergen 3; PDBTitle: crystal structure of the major allergen from fire ant venom, sol i 3
11	c5weeD_	 Alignment		98.3	16	PDB header: lipid binding protein Chain: D; PDB Molecule: venom allergen like protein 4; PDBTitle: crystal structure of hpval4

12	c1u53A_	Alignment		98.3	10	PDB header: antibiotic Chain: A: PDB Molecule: secreted protein asp-2; PDBTitle: novel x-ray structure of na-asp-2, a pr-1 protein from the nematode2 parasite necator americanus and a vaccine antigen for human hookworm3 infection
13	c1xx5B_	Alignment		98.2	16	PDB header: toxin Chain: B: PDB Molecule: natrin 1; PDBTitle: crystal structure of natrin from naja atra snake venom
14	c2epfD_	Alignment		98.2	15	PDB header: toxin Chain: D: PDB Molecule: pseudecin; PDBTitle: crystal structure of zinc-bound pseudocin from pseudechis porphyriacus
15	c4tpvA_	Alignment		98.1	17	PDB header: blood clotting Chain: A: PDB Molecule: platelet inhibitor; PDBTitle: crystal structure of hookworm platelet inhibitor
16	c3s6sB_	Alignment		98.0	12	PDB header: unknown function Chain: B: PDB Molecule: ac-asp-7; PDBTitle: ancylostoma-secreted protein ac-asp-7
17	c6anyA_	Alignment		98.0	15	PDB header: lipid transport Chain: A: PDB Molecule: bm4233, isoform b; PDBTitle: structure of bmval-1
18	c4p27A_	Alignment		98.0	14	PDB header: allergen Chain: A: PDB Molecule: venom allergen-like (val) 4 protein; PDBTitle: structure of schistosoma mansoni venom allergen-like protein 42 (smval4)
19	d1rc9a1	Alignment		98.0	15	Fold: PR-1-like Superfamily: PR-1-like Family: PR-1-like
20	c3u3uC_	Alignment		97.7	17	PDB header: protein binding Chain: C: PDB Molecule: tablysin 15; PDBTitle: crystal structure of the tablysin-15-leukotriene e4 complex
21	c4g2uA_	Alignment	not modelled	97.3	16	PDB header: immune system Chain: A: PDB Molecule: ancylostoma-secreted protein-like protein; PDBTitle: crystal structure analysis of ostertagia ostertagi asp-1
22	d2bzea1	Alignment	not modelled	37.8	24	Fold: SH3-like barrel Superfamily: Plus3-like Family: Plus3
23	c3dgsA_	Alignment	not modelled	29.1	26	PDB header: viral protein Chain: A: PDB Molecule: coat protein a; PDBTitle: changing the determinants of protein stability from covalent to non-2 covalent interactions by in-vitro evolution: a structural and3 energetic analysis
24	c4a42B_	Alignment	not modelled	27.7	12	PDB header: hydrolase Chain: B: PDB Molecule: alpha-n-acetylglucosaminidase family protein; PDBTitle: cpgh89cbm32-6 produced by clostridium perfringens
25	c3do8B_	Alignment	not modelled	19.4	18	PDB header: transferase Chain: B: PDB Molecule: phosphopantetheine adenyltransferase; PDBTitle: the crystal structure of the protein with unknown function from2 archaeoglobus fulgidus
26	c4zgfA_	Alignment	not modelled	13.7	23	PDB header: unknown function Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of a duf4847 family protein (bvu_2626) from2 bacteroides vulgatus atcc 8482 at 1.00 a resolution
27	d1w5fa2	Alignment	not modelled	9.4	18	Fold: Bacillus chorismate mutase-like Superfamily: Tubulin C-terminal domain-like Family: Tubulin, C-terminal domain
28	d1rq2a2	Alignment	not modelled	8.5	27	Fold: Bacillus chorismate mutase-like Superfamily: Tubulin C-terminal domain-like Family: Tubulin, C-terminal domain
						PDB header: viral protein/immune system Chain: G: PDB Molecule: outer domain of hiv-1 gp120 (ker2018)

29	c4i3rG_	Alignment	not modelled	7.6	31	od4.2.2); PDBTitle: crystal structure of the outer domain of hiv-1 gp120 in complex with2 vrc-pg04 space group p3221
30	c2kjmA_	Alignment	not modelled	7.6	36	PDB header: rna binding protein Chain: A: PDB Molecule: histone rna hairpin-binding protein; PDBTitle: solution structure of slbp rna binding domain fragment
31	d1ofua2	Alignment	not modelled	7.0	23	Fold: Bacillus chorismate mutase-like Superfamily: Tubulin C-terminal domain-like Family: Tubulin, C-terminal domain
32	d1bdsa_	Alignment	not modelled	5.6	75	Fold: Defensin-like Superfamily: Defensin-like Family: Defensin
33	c1bdsA_	Alignment	not modelled	5.6	75	PDB header: anti-hypertensive, anti-viral protein Chain: A: PDB Molecule: bds-i; PDBTitle: determination of the three-dimensional solution structure of the2 antihypertensive and antiviral protein bds-i from the sea anemone3 anemonia sulcata. a study using nuclear magnetic resonance and hybrid4 distance geometry-dynamical simulated annealing
34	c2hgca_	Alignment	not modelled	5.5	20	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: yjcq protein; PDBTitle: solution nmr structure of the yjcq protein from bacillus2 subtilis. northeast structural genomics target sr346.
35	d2hgca1	Alignment	not modelled	5.5	20	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: YjcQ-like
36	c3lo3E_	Alignment	not modelled	5.2	26	PDB header: structure genomics, unknown function Chain: E: PDB Molecule: uncharacterized conserved protein; PDBTitle: the crystal structure of a conserved functionally unknown protein from2 colwellia psychrerythraea 34h.