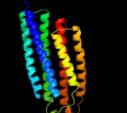
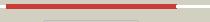
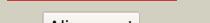
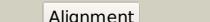
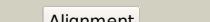
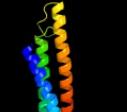
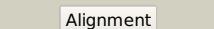
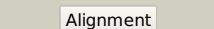
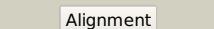
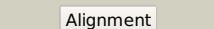
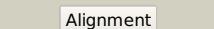
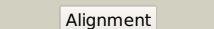
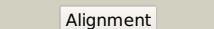
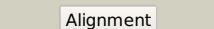
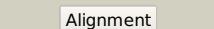
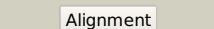
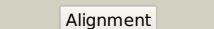
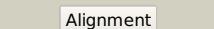
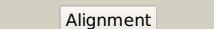
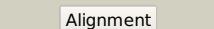
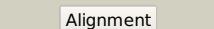
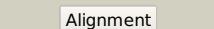
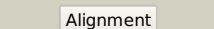


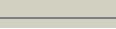
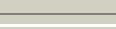
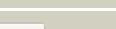
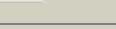
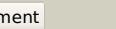
Phyre²

Email	mdejesus@rockefeller.edu
Description	RVBD3301c_(phoY1)_3686909_3687574
Date	Thu Aug 8 16:20:51 BST 2019
Unique Job ID	ca4c86c78c8838bc

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	d1sumb_			100.0	17	Fold: Spectrin repeat-like Superfamily: PhoU-like Family: PhoU-like
2	d1t72a_			100.0	24	Fold: Spectrin repeat-like Superfamily: PhoU-like Family: PhoU-like
3	d1xwma_			100.0	29	Fold: Spectrin repeat-like Superfamily: PhoU-like Family: PhoU-like
4	c4q25B_			100.0	23	PDB header: unknown function Chain: B: PDB Molecule: phosphate-specific transport system accessory protein phou PDBTitle: crystal structure of phou from pseudomonas aeruginosa
5	c2i0mA_			100.0	23	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: phosphate transport system protein phou; PDBTitle: crystal structure of the phosphate transport system regulatory protein2 phou from streptococcus pneumoniae
6	c3l39A_			99.8	9	PDB header: phosphate-binding protein Chain: A: PDB Molecule: putative phou-like phosphate regulatory protein; PDBTitle: crystal structure of putative phou-like phosphate regulatory protein2 (bt4638) from bacteroides thetaiotaomicron vpi-5482 at 1.93 a3 resolution
7	c2oltB_			99.8	15	PDB header: unknown function Chain: B: PDB Molecule: hypothetical protein; PDBTitle: crystal structure of a phou-like protein (so_3770) from shewanella oneidensis mr-1 at 2.00 a resolution
8	d1vctal			99.6	22	Fold: Spectrin repeat-like Superfamily: PhoU-like Family: PhoU-like
9	c2bknA_			99.3	22	PDB header: membrane protein Chain: A: PDB Molecule: hypothetical protein ph0236; PDBTitle: structure analysis of unknown function protein
10	c5vwvB_			38.1	25	PDB header: apoptosis Chain: B: PDB Molecule: bcl-2-like protein 11; PDBTitle: bak core latch dimer in complex with bim-bh3 - cubic
11	c5vwvC_			37.6	25	PDB header: apoptosis Chain: C: PDB Molecule: bcl-2-like protein 11; PDBTitle: bak core latch dimer in complex with bim-rt - tetragonal

12	c5wwD			34.5	25	PDB header: apoptosis Chain: D: PDB Molecule: bcl-2-like protein 11; PDBTitle: bak core latch dimer in complex with bim-rt - tetragonal	
13	c1pq1B			29.3	25	PDB header: apoptosis Chain: B: PDB Molecule: bcl2-like protein 11; PDBTitle: crystal structure of bcl-xl/bim	
14	c3izcw			28.2	16	PDB header: ribosome Chain: W: PDB Molecule: 60s ribosomal protein rpl22 (I22e); PDBTitle: localization of the large subunit ribosomal proteins into a 6.1 a2 cryo-em map of saccharomyces cerevisiae translating 80s ribosome	
15	c5ua4B			27.4	25	PDB header: apoptosis Chain: B: PDB Molecule: bh3-interacting domain death agonist; PDBTitle: crystal structure of a179l:bid bh3 complex	
16	c5vmoB			22.5	17	PDB header: viral protein/apoptosis Chain: B: PDB Molecule: bcl-2 interacting mediator of cell death; PDBTitle: crystal structure of grouper iridovirus giv66:bim complex	
17	d1l0oc			20.9	21	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Sigma3 and sigma4 domains of RNA polymerase sigma factors Family: Sigma4 domain	
18	c1l0oC			20.9	21	PDB header: protein binding Chain: C: PDB Molecule: sigma factor; PDBTitle: crystal structure of the bacillus stearothermophilus anti-2 sigma factor spoliab with the sporulation sigma factor3 sigmaf	
19	c2k7wB			20.3	30	PDB header: apoptosis Chain: B: PDB Molecule: bcl-2-like protein 11; PDBTitle: bax activation is initiated at a novel interaction site	
20	c4qvfB			18.6	25	PDB header: apoptosis Chain: B: PDB Molecule: peptide from bcl-2-like protein 11; PDBTitle: crystal structure of bcl-xl in complex with bim bh3 domain	
21	c5wosB		Alignment	not modelled	18.6	25	PDB header: viral protein Chain: B: PDB Molecule: bcl-2-like protein 11; PDBTitle: structural and functional insights into canarypox virus cnp0582 regulation of apoptosis
22	c4zieC		Alignment	not modelled	18.1	25	PDB header: apoptosis Chain: C: PDB Molecule: bcl-2-like protein 11; PDBTitle: crystal structure of core/latch dimer of bax in complex with bimbh3
23	c4d2mB		Alignment	not modelled	18.1	25	PDB header: apoptosis Chain: B: PDB Molecule: bcl-2-like protein 11; PDBTitle: vaccinia virus f11 bound to bim bh3
24	c4d2mD		Alignment	not modelled	18.0	25	PDB header: apoptosis Chain: D: PDB Molecule: bcl-2-like protein 11; PDBTitle: vaccinia virus f11 bound to bim bh3
25	c2v6qB		Alignment	not modelled	17.9	25	PDB header: apoptosis Chain: B: PDB Molecule: bcl-2-like protein 11; PDBTitle: crystal structure of a bhrf-1 : bim bh3 complex
26	c2wh6B		Alignment	not modelled	17.8	25	PDB header: apoptosis Chain: B: PDB Molecule: bcl-2-like protein 11; PDBTitle: crystal structure of anti-apoptotic bhrf1 in complex with the bim bh32 domain
27	c2pkqB		Alignment	not modelled	17.7	25	PDB header: apoptosis Chain: B: PDB Molecule: bim bh3 peptide; PDBTitle: x-ray crystal structure of human mcl-1 in complex with bim bh3
28	c2ni9B		Alignment	not modelled	17.5	25	PDB header: apoptosis Chain: B: PDB Molecule: bcl-2-like protein 11; PDBTitle: crystal structure of the mcl-1:bim bh3 complex

29	c6qfiB		Alignment	not modelled	17.5	25	Chain: B: PDB Molecule: bcl-2-like protein 11; PDBTitle: structure of human mcl-1 in complex with bim bh3 peptide
30	c3fdIB		Alignment	not modelled	17.2	25	PDB header: apoptosis Chain: B: PDB Molecule: bcl-2-like protein 11; PDBTitle: bim bh3 peptide in complex with bcl-xl
31	c3kj2B		Alignment	not modelled	17.1	25	PDB header: apoptosis Chain: B: PDB Molecule: bcl-2-like protein 11; PDBTitle: mcl-1 in complex with bim bh3 mutant f4ae
32	c3ci9B		Alignment	not modelled	16.2	18	PDB header: transcription Chain: B: PDB Molecule: heat shock factor-binding protein 1; PDBTitle: crystal structure of the human hsbp1
33	d1seta1		Alignment	not modelled	14.6	17	Fold: Long alpha-hairpin Superfamily: tRNA-binding arm Family: Seryl-tRNA synthetase (SerRS)
34	c3kz0C		Alignment	not modelled	12.6	17	PDB header: apoptosis Chain: C: PDB Molecule: mcl-1 specific peptide mb7; PDBTitle: mcl-1 complex with mcl-1-specific selected peptide
35	c3kz0D		Alignment	not modelled	12.6	17	PDB header: apoptosis Chain: D: PDB Molecule: mcl-1 specific peptide mb7; PDBTitle: mcl-1 complex with mcl-1-specific selected peptide
36	c5l33A		Alignment	not modelled	12.1	23	PDB header: de novo protein Chain: A: PDB Molecule: denovo ntf2; PDBTitle: crystal structure of a de novo designed protein with curved beta-sheet
37	d1uptb		Alignment	not modelled	11.6	3	Fold: GRIP domain Superfamily: GRIP domain Family: GRIP domain
38	c3d7vB		Alignment	not modelled	10.8	29	PDB header: apoptosis Chain: B: PDB Molecule: bcl-2-like protein 11; PDBTitle: crystal structure of mcl-1 in complex with an mcl-1 selective bh32 ligand
39	d1eqzb		Alignment	not modelled	10.2	19	Fold: Histone-fold Superfamily: Histone-fold Family: Nucleosome core histones
40	d1kx5d		Alignment	not modelled	10.1	21	Fold: Histone-fold Superfamily: Histone-fold Family: Nucleosome core histones
41	d1s32d		Alignment	not modelled	10.1	21	Fold: Histone-fold Superfamily: Histone-fold Family: Nucleosome core histones
42	c3io8D		Alignment	not modelled	10.0	30	PDB header: apoptosis Chain: D: PDB Molecule: bcl-2-like protein 11; PDBTitle: biml12f in complex with bcl-xl
43	d1nexa1		Alignment	not modelled	9.7	15	Fold: Skp1 dimerisation domain-like Superfamily: Skp1 dimerisation domain-like Family: Skp1 dimerisation domain-like
44	c4j7oA		Alignment	not modelled	9.6	40	PDB header: cell invasion Chain: A: PDB Molecule: putative surface cell antigen sca2; PDBTitle: structure of the n-terminal repeat domain of rickettsia sca2
45	c1nfoA		Alignment	not modelled	9.4	11	PDB header: lipid transport Chain: A: PDB Molecule: apolipoprotein e2; PDBTitle: apolipoprotein e2 (apoe2, d154a mutation)
46	c3e6sD		Alignment	not modelled	9.3	9	PDB header: oxidoreductase Chain: D: PDB Molecule: ferritin; PDBTitle: crystal structure of ferritin soaked with iron from pseudonitzschia multiseries
47	c3axjB		Alignment	not modelled	9.1	9	PDB header: dna binding protein Chain: B: PDB Molecule: translin associated factor x, isoform b; PDBTitle: high resolution crystal structure of c3opo
48	d1jmsa1		Alignment	not modelled	9.1	7	Fold: SAM domain-like Superfamily: DNA polymerase beta, N-terminal domain-like Family: DNA polymerase beta, N-terminal domain-like
49	c4h63K		Alignment	not modelled	8.9	24	PDB header: transcription Chain: K: PDB Molecule: mediator of rna polymerase ii transcription subunit 11; PDBTitle: structure of the schizosaccharomyces pombe mediator head module
50	c3io8B		Alignment	not modelled	8.8	25	PDB header: apoptosis Chain: B: PDB Molecule: bcl-2-like protein 11; PDBTitle: biml12f in complex with bcl-xl
51	c6qeqD		Alignment	not modelled	8.6	17	PDB header: dna binding protein Chain: D: PDB Molecule: pcf10; PDBTitle: pcf10 from enterococcus faecalis pcf10
52	c3kj0B		Alignment	not modelled	8.4	22	PDB header: apoptosis Chain: B: PDB Molecule: bcl-2-like protein 11; PDBTitle: mcl-1 in complex with bim bh3 mutant i2dy
53	d1fs1b1		Alignment	not modelled	8.0	18	Fold: Skp1 dimerisation domain-like Superfamily: Skp1 dimerisation domain-like Family: Skp1 dimerisation domain-like
54	c3io9B		Alignment	not modelled	7.5	25	PDB header: apoptosis Chain: B: PDB Molecule: bcl-2-like protein 11; PDBTitle: biml12y in complex with mcl-1
55	c3kgkA		Alignment	not modelled	7.4	27	PDB header: chaperone Chain: A: PDB Molecule: arsenical resistance operon trans-acting repressor arsd; PDBTitle: crystal structure of arsd Fold: Skp1 dimerisation domain-like

56	d1fs2b1	Alignment	not modelled	7.3	18	Superfamily: Skp1 dimerisation domain-like Family: Skp1 dimerisation domain-like
57	c3kj1B_	Alignment	not modelled	7.1	17	PDB header: apoptosis Chain: B: PDB Molecule: bcl-2-like protein 11; PDBTitle: mcl-1 in complex with bim bh3 mutant i2da
58	d2o02a1	Alignment	not modelled	7.0	12	Fold: alpha-alpha superhelix Superfamily: 14-3-3 protein Family: 14-3-3 protein
59	d1uptd_	Alignment	not modelled	7.0	4	Fold: GRIP domain Superfamily: GRIP domain Family: GRIP domain
60	c2k6sB_	Alignment	not modelled	6.9	12	PDB header: protein transport Chain: B: PDB Molecule: rab11fip2 protein; PDBTitle: structure of rab11-fip2 c-terminal coiled-coil domain
61	c3p8cF_	Alignment	not modelled	6.8	11	PDB header: protein binding Chain: F: PDB Molecule: abl interactor 2; PDBTitle: structure and control of the actin regulatory wave complex
62	d2coha1	Alignment	not modelled	6.7	9	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: CAP C-terminal domain-like
63	c3iz5w_	Alignment	not modelled	6.7	23	PDB header: ribosome Chain: W: PDB Molecule: 60s ribosomal protein l22 (l22e); PDBTitle: localization of the large subunit ribosomal proteins into a 5.5 a2 cryo-em map of triticum aestivum translating 80s ribosome
64	c5jreC_	Alignment	not modelled	6.5	9	PDB header: dna binding protein Chain: C: PDB Molecule: neg131; PDBTitle: crystal structure of nec3po in complex with ssdna.
65	c3d1dC_	Alignment	not modelled	6.4	24	PDB header: nuclear protein Chain: C: PDB Molecule: rna-induced transcriptional silencing complex PDBTitle: hexagonal crystal structure of tas3 c-terminal alpha motif
66	c4dg7D_	Alignment	not modelled	6.3	13	PDB header: dna binding protein Chain: D: PDB Molecule: gm27569p; PDBTitle: low resolution structure of drosophila translin
67	c3fmtF_	Alignment	not modelled	6.2	16	PDB header: replication inhibitor/dna Chain: F: PDB Molecule: protein seqa; PDBTitle: crystal structure of seqa bound to dna
68	d1ofcx1	Alignment	not modelled	6.1	23	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: Myb/SANT domain
69	c3ktbD_	Alignment	not modelled	6.0	27	PDB header: transcription regulator Chain: D: PDB Molecule: arsenical resistance operon trans-acting repressor; PDBTitle: crystal structure of arsenical resistance operon trans-acting2 repressor from bacteroides vulgatus atcc 8482
70	d1t6ua_	Alignment	not modelled	5.9	8	Fold: Four-helical up-and-down bundle Superfamily: Nickel-containing superoxide dismutase, NiSOD Family: Nickel-containing superoxide dismutase, NiSOD
71	d1rp3a1	Alignment	not modelled	5.7	17	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Sigma3 and sigma4 domains of RNA polymerase sigma factors Family: Sigma3 domain
72	d1q0ga_	Alignment	not modelled	5.7	8	Fold: Four-helical up-and-down bundle Superfamily: Nickel-containing superoxide dismutase, NiSOD Family: Nickel-containing superoxide dismutase, NiSOD
73	d1tzyb_	Alignment	not modelled	5.6	19	Fold: Histone-fold Superfamily: Histone-fold Family: Nucleosome core histones
74	d1ku2a1	Alignment	not modelled	5.6	23	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Sigma3 and sigma4 domains of RNA polymerase sigma factors Family: Sigma3 domain
75	d2ovra1	Alignment	not modelled	5.6	19	Fold: Skp1 dimerisation domain-like Superfamily: Skp1 dimerisation domain-like Family: Skp1 dimerisation domain-like
76	d1x92a_	Alignment	not modelled	5.4	16	Fold: SIS domain Superfamily: SIS domain Family: mono-SIS domain
77	c2xa0C_	Alignment	not modelled	5.3	25	PDB header: apoptosis Chain: C: PDB Molecule: apoptosis regulator bax; PDBTitle: crystal structure of bcl-2 in complex with a bax bh3 peptide
78	c5toiB_	Alignment	not modelled	5.3	14	PDB header: viral protein Chain: B: PDB Molecule: polymerase cofactor vp35; PDBTitle: crystal structure of the marburg virus vp35 oligomerization domain2 p4222
79	c4d18l_	Alignment	not modelled	5.3	8	PDB header: signaling protein Chain: I: PDB Molecule: cop9 signalosome complex subunit 1; PDBTitle: crystal structure of the cop9 signalosome
80	c4khaA_	Alignment	not modelled	5.3	14	PDB header: chaperone/nuclear protein Chain: A: PDB Molecule: spt16m-histone h2b 1.1 chimera; PDBTitle: structural basis of histone h2a-h2b recognition by the essential2 chaperone fact
81	d1fpoa2	Alignment	not modelled	5.2	19	Fold: Open three-helical up-and-down bundle Superfamily: HSC20 (HSCB), C-terminal oligomerisation domain Family: HSC20 (HSCB), C-terminal oligomerisation domain
82	c5xauC_	Alignment	not modelled	5.2	13	PDB header: cell adhesion Chain: C: PDB Molecule: laminin subunit gamma-1; PDBTitle: crystal structure of integrin binding fragment of laminin-511