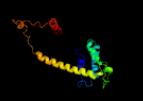
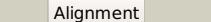
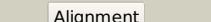
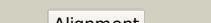
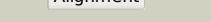
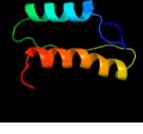
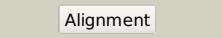
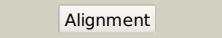
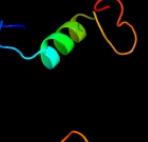
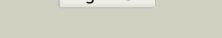
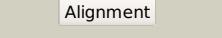
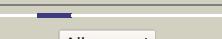
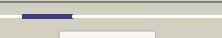


Phyre²

Email	mdejesus@rockefeller.edu
Description	RVBD1709 (-) _1937320_1938156
Date	Fri Aug 2 13:30:31 BST 2019
Unique Job ID	ddb3b7cd916afd57

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c4i98A_			100.0	25	PDB header: cell cycle Chain: A: PDB Molecule: segregation and condensation protein a; PDBTitle: crystal structure of the complex between scpa(residues 1-160)-2 scpb(residues 1-183)
2	c3w6jA_			100.0	32	PDB header: cell cycle Chain: A: PDB Molecule: scpa; PDBTitle: crystal structure of scpab core complex
3	c3zgxZ_			99.9	40	PDB header: cell cycle Chain: Z: PDB Molecule: segregation and condensation protein a; PDBTitle: crystal structure of the kleisin-n smc interface in2 prokaryotic condensin
4	c5h67C_			99.5	25	PDB header: dna binding protein/cell cycle Chain: C: PDB Molecule: segregation and condensation protein a; PDBTitle: crystal structure of the bacillus subtilis smc head domain complexed2 with the cognate scpa c-terminal domain and soaked atp
5	c1w1wF_			98.6	18	PDB header: cell adhesion Chain: F: PDB Molecule: sister chromatid cohesion protein 1; PDBTitle: sc smc1hd:scc1-c complex, atpgs
6	d1w1we_			98.6	18	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Rad21/Rec8-like
7	c4i99C_			98.3	32	PDB header: dna binding protein Chain: C: PDB Molecule: putative uncharacterized protein; PDBTitle: crystal structure of the smchead bound to the c-winged helix domain of2 scpa
8	c6aj4E_			86.6	23	PDB header: cell cycle Chain: E: PDB Molecule: condensin complex subunit 2; PDBTitle: crystal structure of the c. thermophilum condensin ycs4-brn12 subcomplex bound to the smc4 atpase head in complex with the c-3 terminal domain of brn1
9	c2l01A_			84.1	17	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: solution nmr structure of protein bvu3908 from bacteroides vulgatus,2 northeast structural genomics consortium target bvr153
10	c2l02B_			62.8	25	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: uncharacterized protein; PDBTitle: solution nmr structure of protein bt2368 from bacteroides2 thetaiotaomicron, northeast structural genomics consortium target3 btr375
11	c3f41B_			57.5	7	PDB header: hydrolase Chain: B: PDB Molecule: phytase; PDBTitle: structure of the tandemly repeated protein tyrosine2 phosphatase like phytase from mitsoukella multacidia

12	d1whqa			34.5	22	Fold: dsRBD-like Superfamily: dsRNA-binding domain-like Family: Double-stranded RNA-binding domain (dsRBD)
13	c2qdoC			20.9	21	PDB header: photosynthesis Chain: C: PDB Molecule: nbla protein; PDBTitle: nbla protein from t. vulcanus
14	clu24A			19.9	15	PDB header: hydrolase Chain: A: PDB Molecule: myo-inositol hexaphosphate phosphohydrolase; PDBTitle: crystal structure of selenomonas ruminantium phytase
15	c2bbmA			19.9	17	PDB header: viral protein Chain: A: PDB Molecule: viral casp8 and fadd-like apoptosis regulator; PDBTitle: crystal structure of mc159 reveals molecular mechanism of2 disc assembly and vflip inhibition
16	d2gf5a2			18.8	20	Fold: DEATH domain Superfamily: DEATH domain Family: DEATH effector domain, DED
17	c2bbzC			18.1	17	PDB header: viral protein Chain: C: PDB Molecule: viral casp8 and fadd-like apoptosis regulator; PDBTitle: crystal structure of mc159 reveals molecular mechanism of2 disc assembly and vflip inhibition
18	c2ls7A			16.8	10	PDB header: apoptosis Chain: A: PDB Molecule: astrocytic phosphoprotein pea-15; PDBTitle: high definition solution structure of ped/pea-15 death effector domain
19	d1ocka			14.3	17	Fold: Amidase signature (AS) enzymes Superfamily: Amidase signature (AS) enzymes Family: Amidase signature (AS) enzymes
20	d2ixma1			13.8	18	Fold: PTPA-like Superfamily: PTPA-like Family: PTPA-like
21	c3mhvC		not modelled	13.7	3	PDB header: protein transport Chain: C: PDB Molecule: vacuolar protein sorting-associated protein 4; PDBTitle: crystal structure of vps4 and vta1
22	d1h99a2		not modelled	10.4	18	Fold: PTS-regulatory domain, PRD Superfamily: PTS-regulatory domain, PRD Family: PTS-regulatory domain, PRD
23	d1b34b		not modelled	10.1	27	Fold: Sm-like fold Superfamily: Sm-like ribonucleoproteins Family: Sm motif of small nuclear ribonucleoproteins, SNRNP
24	c1b34B		not modelled	10.1	27	PDB header: rna binding protein Chain: B: PDB Molecule: protein (small nuclear ribonucleoprotein sm d2); PDBTitle: crystal structure of the d1d2 sub-complex from the human snrp core2 domain
25	c2g62A		not modelled	9.9	18	PDB header: hydrolase activator Chain: A: PDB Molecule: protein phosphatase 2a, regulatory subunit b' (pr 53); PDBTitle: crystal structure of human ptpa
26	c5h6tB		not modelled	9.6	13	PDB header: hydrolase Chain: B: PDB Molecule: amidase; PDBTitle: crystal structure of hydrazidase from microbacterium sp. strain hm58-2
27	c4xypA		not modelled	9.5	15	PDB header: viral protein Chain: A: PDB Molecule: fusion protein; PDBTitle: crystal structure of a piscine viral fusion protein
28	c1ydnA		not modelled	9.3	17	PDB header: lyase Chain: A: PDB Molecule: hydroxymethylglutaryl-coa lyase; PDBTitle: crystal structure of the hmg-coa lyase from brucella melitensis,2 northeast structural genomics target lr35.

29	d2ozza1	Alignment	not modelled	9.0	38	Fold: Periplasmic binding protein-like II Superfamily: Periplasmic binding protein-like II Family: Phosphate binding protein-like
30	d1wg8a1	Alignment	not modelled	8.7	23	Fold: SAM domain-like Superfamily: Putative methyltransferase TM0872, insert domain Family: Putative methyltransferase TM0872, insert domain
31	d1n3ka_	Alignment	not modelled	8.5	10	Fold: DEATH domain Superfamily: DEATH domain Family: DEATH effector domain, DED
32	c3r6uA_	Alignment	not modelled	8.2	10	PDB header: transport protein Chain: A: PDB Molecule: choline-binding protein; PDBTitle: crystal structure of choline binding protein opubc from bacillus2 subtilis
33	d1m6ya1	Alignment	not modelled	8.2	30	Fold: SAM domain-like Superfamily: Putative methyltransferase TM0872, insert domain Family: Putative methyltransferase TM0872, insert domain
34	c2l2iB_	Alignment	not modelled	8.2	86	PDB header: transcription Chain: B: PDB Molecule: krueppel-like factor 1; PDBTitle: nmr structure of the complex between the tfb1 subunit of tflh and the2 activation domain of ekf1
35	c3pcqX_	Alignment	not modelled	7.9	44	PDB header: photosynthesis Chain: X: PDB Molecule: photosystem i 4.8k protein; PDBTitle: femtosecond x-ray protein nanocrystallography
36	c5j0fA_	Alignment	not modelled	7.8	32	PDB header: oxidoreductase Chain: A: PDB Molecule: superoxide dismutase [cu-zn],oxidoreductase,superoxide PDBTitle: monomeric human cu,zn superoxide dismutase, loops iv and viii deleted,2 apo form, circular permutant p4/5
37	c5gannm	Alignment	not modelled	7.6	20	PDB header: transcription Chain: M: PDB Molecule: PDBTitle: the overall structure of the yeast spliceosomal u4/u6.u5 tri-snrrp at2 3.7 angstrom
38	c1jb0X_	Alignment	not modelled	7.2	44	PDB header: photosynthesis Chain: X: PDB Molecule: photosystem i subunit psax; PDBTitle: crystal structure of photosystem i: a photosynthetic reaction center2 and core antenna system from cyanobacteria
39	c4fe1X_	Alignment	not modelled	7.2	44	PDB header: photosynthesis Chain: X: PDB Molecule: photosystem i 4.8k protein; PDBTitle: improving the accuracy of macromolecular structure refinement at 7 a2 resolution
40	d1jb0x_	Alignment	not modelled	7.2	44	Fold: Single transmembrane helix Superfamily: Subunit PsaX of photosystem I reaction centre Family: Subunit PsaX of photosystem I reaction centre
41	d2pt0a1	Alignment	not modelled	7.2	15	Fold: (Phosphotyrosine protein) phosphatases II Superfamily: (Phosphotyrosine protein) phosphatases II Family: Myo-inositol hexaphosphate phosphohydrolase (phytase) PhyA
42	c4z7eB_	Alignment	not modelled	7.1	10	PDB header: transport protein Chain: B: PDB Molecule: lmo1422 protein; PDBTitle: soluble binding domain of lmo1422 abc-transporter
43	c4tvvA_	Alignment	not modelled	6.9	10	PDB header: hydrolase Chain: A: PDB Molecule: tyrosine phosphatase ii superfamily protein; PDBTitle: crystal structure of lppa from legionella pneumophila
44	d2azeb1	Alignment	not modelled	6.8	35	Fold: E2F-DP heterodimerization region Superfamily: E2F-DP heterodimerization region Family: E2F dimerization segment
45	d1v2za_	Alignment	not modelled	6.8	15	Fold: KaiA/RbsU domain Superfamily: KaiA/RbsU domain Family: Circadian clock protein KaiA, C-terminal domain
46	c1xhoB_	Alignment	not modelled	6.7	18	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: chorismate mutase; PDBTitle: chorismate mutase from clostridium thermocellum cth-682
47	d1xhoa_	Alignment	not modelled	6.7	18	Fold: Bacillus chorismate mutase-like Superfamily: YjfF-like Family: Chorismate mutase
48	c2gppD_	Alignment	not modelled	6.5	36	PDB header: transcription Chain: D: PDB Molecule: nuclear receptor-interacting protein 1; PDBTitle: estrogen related receptor-gamma ligand binding domain2 complexed with a rip140 peptide and synthetic ligand3 gsk4716
49	c4ijoA_	Alignment	not modelled	6.5	39	PDB header: ligase Chain: A: PDB Molecule: e3 ubiquitin-protein ligase rnf31; PDBTitle: structure of an active ligase (hoip)/ubiquitin transfer complex
50	c3l6gA_	Alignment	not modelled	6.3	27	PDB header: glycine betaine-binding protein Chain: A: PDB Molecule: betaine abc transporter permease and substrate binding PDBTitle: crystal structure of lactococcal opuac in its open conformation
51	c5jqea_	Alignment	not modelled	6.3	10	PDB header: hydrolase Chain: A: PDB Molecule: sugar abc transporter substrate-binding protein,caspase-8 PDBTitle: crystal structure of caspase8 tded
52	d1fnja_	Alignment	not modelled	6.3	24	Fold: Bacillus chorismate mutase-like Superfamily: YjfF-like Family: Chorismate mutase
53	c5ir0B_	Alignment	not modelled	6.3	33	PDB header: unknown function Chain: B: PDB Molecule: uncharacterized protein orf19; PDBTitle: crystal structure of protein of unknown function orf19 from vibrio2 cholerae o1 pici-like element, c57s i09m mutant
54	c2do5A_	Alignment	not modelled	6.2	38	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: splicing factor 3b subunit 2; PDBTitle: solution structure of the sap domain of human splicing2 factor 3b subunit 2

55	d1sv1a	Alignment	not modelled	6.0	15	Fold: KaiA/RbsU domain Superfamily: KaiA/RbsU domain Family: Circadian clock protein KaiA, C-terminal domain
56	c5gveA	Alignment	not modelled	5.7	16	PDB header: isomerase/protein binding Chain: A: PDB Molecule: dna topoisomerase 3-beta-1; PDBTitle: human top3b-tdrd3 complex
57	d2ibo1	Alignment	not modelled	5.7	33	Fold: Ferredoxin-like Superfamily: MTH1187/YkoF-like Family: MTH1187-like
58	c2v6xA	Alignment	not modelled	5.7	14	PDB header: protein transport Chain: A: PDB Molecule: vacuolar protein sorting-associated protein 4; PDBTitle: structural insight into the interaction between escrt-iii and vps4
59	c5jwrE	Alignment	not modelled	5.7	15	PDB header: transcription regulator Chain: E: PDB Molecule: circadian clock protein kaia; PDBTitle: crystal structure of foldswitch-stabilized kaia in complex with the n-2 terminal ci domain of kaic and a dimer of kaia c-terminal domains3 from thermosynechococcus elongatus
60	c5j2yA	Alignment	not modelled	5.6	26	PDB header: gene regulation/dna Chain: A: PDB Molecule: regulatory protein; PDBTitle: molecular insight into the regulatory mechanism of the quorum-sensing2 repressor rsal in pseudomonas aeruginosa
61	d1yqha1	Alignment	not modelled	5.6	33	Fold: Ferredoxin-like Superfamily: MTH1187/YkoF-like Family: MTH1187-like
62	c3d7aB	Alignment	not modelled	5.5	19	PDB header: unknown function Chain: B: PDB Molecule: upf0201 protein ph1010; PDBTitle: crystal structure of duf54 family protein ph1010 from2 hyperthermophilic archaea pyrococcus horikoshii ot3
63	d1lxna	Alignment	not modelled	5.4	27	Fold: Ferredoxin-like Superfamily: MTH1187/YkoF-like Family: MTH1187-like
64	d1ldbfa	Alignment	not modelled	5.4	24	Fold: Bacillus chorismate mutase-like Superfamily: YjgF-like Family: Chorismate mutase
65	d1pdza1	Alignment	not modelled	5.2	27	Fold: TIM beta/alpha-barrel Superfamily: Enolase C-terminal domain-like Family: Enolase
66	c3bw1A	Alignment	not modelled	5.2	33	PDB header: rna binding protein Chain: A: PDB Molecule: u6 srna-associated sm-like protein lsm3; PDBTitle: crystal structure of homomeric yeast lsm3 exhibiting novel octameric2 ring organisation
67	d1g8fa3	Alignment	not modelled	5.1	11	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: ATP sulfurylase C-terminal domain