



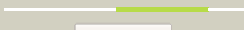




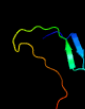













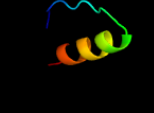

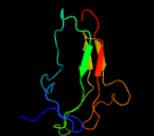

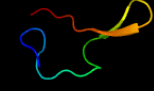
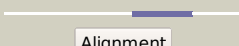

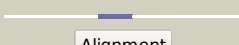
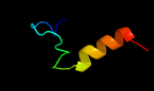
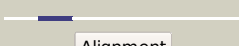


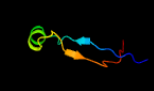



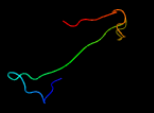



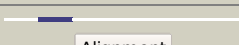

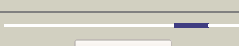
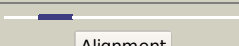



Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD1742_(-)_1968180_1968917
Date	Fri Aug 2 13:30:34 BST 2019
Unique Job ID	7b2b6f78a85c7459

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c4z48B_	 Alignment		93.5	17	PDB header: structural biology, unknown function Chain: B: PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of a duf1329 family protein (despig_00262) from2 desulfovibrio piger atcc 29098 at 1.75 a resolution
2	c3buuB_	 Alignment		92.6	11	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: uncharacterized lola superfamily protein ne2245; PDBTitle: crystal structure of lola superfamily protein ne2245 from2 nitrosomonas europaea
3	c3bk5A_	 Alignment		68.2	10	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: putative outer membrane lipoprotein-sorting protein; PDBTitle: crystal structure of putative outer membrane lipoprotein-sorting2 protein domain from vibrio parahaemolyticus
4	clyseA_	 Alignment		38.8	24	PDB header: dna binding protein Chain: A: PDB Molecule: dna-binding protein satb1; PDBTitle: solution structure of the mar-binding domain of satb1
5	c3zmnA_	 Alignment		33.8	21	PDB header: viral protein Chain: A: PDB Molecule: vp17; PDBTitle: vp17, a capsid protein of bacteriophage p23-77
6	d1wiza_	 Alignment		32.7	23	Fold: lambda repressor-like DNA-binding domains Superfamily: lambda repressor-like DNA-binding domains Family: CUT domain
7	c2k42A_	 Alignment		26.8	28	PDB header: signaling protein Chain: A: PDB Molecule: wiskott-aldrich syndrome protein; PDBTitle: solution structure of the gtpase binding domain of wasp in2 complex with espfu, an ehec effector
8	c5ku5A_	 Alignment		23.8	20	PDB header: transferase Chain: A: PDB Molecule: sensor kinase cuss; PDBTitle: crystal structure of cuss sensor domain with silver bound
9	c5bndA_	 Alignment		23.6	24	PDB header: transport protein Chain: A: PDB Molecule: abc transporter, atp-binding protein; PDBTitle: crystal structure of the c-terminal domain of tagh
10	c3aagA_	 Alignment		21.5	38	PDB header: transferase Chain: A: PDB Molecule: general glycosylation pathway protein; PDBTitle: crystal structure of c. jejuni pglb c-terminal domain
11	c4mxtA_	 Alignment		16.8	11	PDB header: protein transport Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of an outer-membrane lipoprotein carrier protein2 (bacuni_04723) from bacteroides uniformis atcc 8492 at 1.40 a3 resolution

12	d2csfa1	 Alignment		15.4	10	Fold: lambda repressor-like DNA-binding domains Superfamily: lambda repressor-like DNA-binding domains Family: CUT domain
13	d2vnga1	 Alignment		13.4	15	Fold: Galactose-binding domain-like Superfamily: Galactose-binding domain-like Family: NPCBM-like
14	d1pmhx	 Alignment		13.4	16	Fold: Galactose-binding domain-like Superfamily: Galactose-binding domain-like Family: Family 27 carbohydrate binding module, CBM27
15	c5ifcA	 Alignment		12.8	17	PDB header: transferase Chain: A: PDB Molecule: dsrv; PDBTitle: crystal structure of leuconostoc citreum nrrl b-1299 n-terminally2 truncated dextranucrase dsr-m
16	d1s7ea2	 Alignment		12.7	30	Fold: lambda repressor-like DNA-binding domains Superfamily: lambda repressor-like DNA-binding domains Family: CUT domain
17	c2m2eA	 Alignment		9.8	25	PDB header: transcription regulator Chain: A: PDB Molecule: dnaj homolog subfamily c member 2; PDBTitle: solution nmr structure of the sant domain of human dnajc2, northeast2 structural genomics consortium target hr8254a
18	c3epzA	 Alignment		9.3	27	PDB header: transferase Chain: A: PDB Molecule: dna (cytosine-5)-methyltransferase 1; PDBTitle: structure of the replication foci-targeting sequence of human dna2 cytosine methyltransferase dnmt1
19	d2o4aa1	 Alignment		9.2	24	Fold: lambda repressor-like DNA-binding domains Superfamily: lambda repressor-like DNA-binding domains Family: CUT domain
20	c5svan	 Alignment		9.1	15	PDB header: transcription, transferase/dna Chain: N: PDB Molecule: mediator of rna polymerase ii transcription subunit 8; PDBTitle: mediator-rna polymerase ii pre-initiation complex
21	c2yusA	 Alignment	not modelled	8.5	22	PDB header: transcription Chain: A: PDB Molecule: swi/snf-related matrix-associated actin- PDBTitle: solution structure of the sant domain of human swi/snf-2 related matrix-associated actin-dependent regulator of3 chromatin subfamily c member 1
22	c4j0nA	 Alignment	not modelled	8.3	10	PDB header: hydrolase Chain: A: PDB Molecule: isatin hydrolase b; PDBTitle: crystal structure of a manganese dependent isatin hydrolase
23	d1oh4a	 Alignment	not modelled	8.3	25	Fold: Galactose-binding domain-like Superfamily: Galactose-binding domain-like Family: Family 27 carbohydrate binding module, CBM27
24	c2elkA	 Alignment	not modelled	8.0	32	PDB header: transcription Chain: A: PDB Molecule: spcc24b10.08c protein; PDBTitle: solution structure of the sant domain of fission yeast2 spcc24b10.08c protein
25	d1ej5a	 Alignment	not modelled	7.9	27	Fold: Wiscott-Aldrich syndrome protein, WASP, C-terminal domain Superfamily: Wiscott-Aldrich syndrome protein, WASP, C-terminal domain Family: Wiscott-Aldrich syndrome protein, WASP, C-terminal domain
26	c3r2cJ	 Alignment	not modelled	7.1	17	PDB header: transcription/rna Chain: J: PDB Molecule: 30s ribosomal protein s10; PDBTitle: crystal structure of antitermination factors nusB and nusE in complex2 with boxA rna
27	c4v191	 Alignment	not modelled	7.0	11	PDB header: ribosome Chain: 1: PDB Molecule: mitoribosomal protein bl28m, mrpl28; PDBTitle: structure of the large subunit of the mammalian mitoribosome, part 12 of 2
28	d3bp8c1	 Alignment	not modelled	6.9	15	Fold: Homing endonuclease-like Superfamily: Glucose permease domain IIB Family: Glucose permease domain IIB

29	c4h40B_	Alignment	not modelled	6.8	18	PDB header: cell adhesion Chain: B: PDB Molecule: putative cell adhesion protein; PDBTitle: crystal structure of a putative cell adhesion protein (bf2867) from2 bacteroides fragilis nctc 9343 at 2.57 a resolution
30	c5j7oF_	Alignment	not modelled	6.6	3	PDB header: viral protein Chain: F: PDB Molecule: major capsid protein; PDBTitle: faustovirus major capsid protein
31	d1a5ja1	Alignment	not modelled	6.5	16	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: Myb/SANT domain
32	d1gvda_	Alignment	not modelled	6.5	26	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: Myb/SANT domain
33	d1dt0a2	Alignment	not modelled	6.5	19	Fold: Fe,Mn superoxide dismutase (SOD), C-terminal domain Superfamily: Fe,Mn superoxide dismutase (SOD), C-terminal domain Family: Fe,Mn superoxide dismutase (SOD), C-terminal domain
34	c2rjzA_	Alignment	not modelled	6.3	22	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: pilo protein; PDBTitle: crystal structure of the type 4 fimbrial biogenesis protein pilo from2 pseudomonas aeruginosa
35	d1gv3a1	Alignment	not modelled	6.2	15	Fold: Long alpha-hairpin Superfamily: Fe,Mn superoxide dismutase (SOD), N-terminal domain Family: Fe,Mn superoxide dismutase (SOD), N-terminal domain
36	c3bd1B_	Alignment	not modelled	6.1	19	PDB header: transcription Chain: B: PDB Molecule: cro protein; PDBTitle: structure of the cro protein from putative prophage element xfaso 1 in2 xylella fastidiosa strain ann-1
37	c2mraA_	Alignment	not modelled	6.0	15	PDB header: de novo protein Chain: A: PDB Molecule: de novo designed protein or459; PDBTitle: solution nmr structure of de novo designed protein, northeast2 structural genomics consortium (nesg) target or459
38	c2v43A_	Alignment	not modelled	5.8	13	PDB header: regulator Chain: A: PDB Molecule: sigma-e factor regulatory protein rseb; PDBTitle: crystal structure of rseb: a sensor for periplasmic stress2 response in e. coli
39	d2vmha1	Alignment	not modelled	5.5	14	Fold: Galactose-binding domain-like Superfamily: Galactose-binding domain-like Family: NPCBM-like
40	d1x41a1	Alignment	not modelled	5.5	21	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: Homeodomain
41	c3s94A_	Alignment	not modelled	5.3	15	PDB header: signaling protein Chain: A: PDB Molecule: low-density lipoprotein receptor-related protein 6; PDBTitle: crystal structure of lrp6-e1e2