
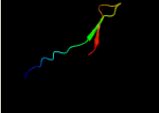







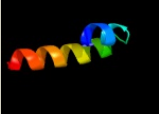

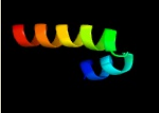





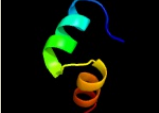


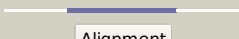
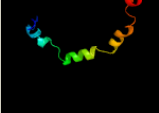
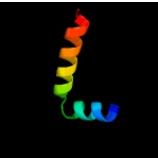
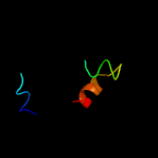
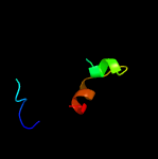



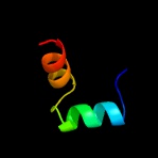

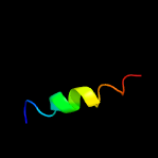


Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD3073c_(-)_3436326_3436682
Date	Thu Aug 8 16:20:25 BST 2019
Unique Job ID	b520ab22ca05238f

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c2k4nA_	 Alignment		20.9	29	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: protein pf0246; PDBTitle: nmr structure of protein pf0246 from pyrococcus furiosus:2 target pfr75 from the northeast structural genomics3 consortium
2	d1bsma2	 Alignment		18.6	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
3	c3nahC_	 Alignment		17.2	19	PDB header: transferase Chain: C: PDB Molecule: rna dependent rna polymerase; PDBTitle: crystal structures and functional analysis of murine norovirus rna-2 dependent rna polymerase
4	d2gykb1	 Alignment		14.1	32	Fold: His-Me finger endonucleases Superfamily: His-Me finger endonucleases Family: HNH-motif
5	d1sh0a_	 Alignment		13.5	21	Fold: DNA/RNA polymerases Superfamily: DNA/RNA polymerases Family: RNA-dependent RNA-polymerase
6	c2b43D_	 Alignment		13.5	21	PDB header: viral protein Chain: D: PDB Molecule: non-structural polyprotein; PDBTitle: crystal structure of the norwalk virus rna dependent rna polymerase2 from strain hu/nlv/dresden174/1997/ge
7	d2nyba2	 Alignment		12.4	15	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
8	d1idsa2	 Alignment		12.4	23	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
9	d1jr9a2	 Alignment		12.2	15	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
10	d1y67a2	 Alignment		12.1	28	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
11	d2b3ya2	 Alignment		11.1	23	Fold: Aconitase iron-sulfur domain Superfamily: Aconitase iron-sulfur domain Family: Aconitase iron-sulfur domain

12	c2zfuA	Alignment		10.8	20	PDB header: nuclear protein Chain: A: PDB Molecule: cerebral protein 1; PDBTitle: structure of the methyltransferase-like domain of nucleomethylin
13	c3zeyO	Alignment		10.3	22	PDB header: ribosome Chain: O: PDB Molecule: ribosomal protein s19, putative; PDBTitle: high-resolution cryo-electron microscopy structure of the trypanosoma2 brucei ribosome
14	c3j3aT	Alignment		10.0	26	PDB header: ribosome Chain: T: PDB Molecule: 40s ribosomal protein s19; PDBTitle: structure of the human 40s ribosomal proteins
15	d1gv3a2	Alignment		9.9	15	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
16	c6a8yA	Alignment		9.6	27	PDB header: antimicrobial protein Chain: A: PDB Molecule: yr26_sds; PDBTitle: yr26_sds
17	c5xytT	Alignment		9.4	30	PDB header: ribosome Chain: T: PDB Molecule: ribosomal protein s19e, putative; PDBTitle: small subunit of trichomonas vaginalis ribosome
18	d1ix9a2	Alignment		9.4	12	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
19	d1wb8a2	Alignment		9.4	24	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
20	c2c55A	Alignment		9.3	29	PDB header: viral protein Chain: A: PDB Molecule: protein p6; PDBTitle: solution structure of the human immunodeficiency virus type2 1 p6 protein
21	c6az1X	Alignment	not modelled	9.2	22	PDB header: ribosome/antibiotic Chain: X: PDB Molecule: ribosomal protein s19e; PDBTitle: cryo-em structure of the small subunit of leishmania ribosome bound to2 paromomycin
22	c3j38T	Alignment	not modelled	9.0	32	PDB header: ribosome Chain: T: PDB Molecule: 40s ribosomal protein s19a; PDBTitle: structure of the d. melanogaster 40s ribosomal proteins
23	d1b06a2	Alignment	not modelled	8.8	28	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
24	d1p7ga2	Alignment	not modelled	8.4	12	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
25	d1uera2	Alignment	not modelled	8.1	28	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
26	c2xznT	Alignment	not modelled	8.0	15	PDB header: ribosome Chain: T: PDB Molecule: rps19e; PDBTitle: crystal structure of the eukaryotic 40s ribosomal2 subunit in complex with initiation factor 1. this file3 contains the 40s subunit and initiation factor for4 molecule 2
27	d1my6a2	Alignment	not modelled	7.8	15	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
28	c3bl9B	Alignment	not modelled	7.7	34	PDB header: hydrolase Chain: B: PDB Molecule: scavenger mrna-decapping enzyme dcps; PDBTitle: synthetic gene encoded dcps bound to inhibitor dg157493
						Fold: Fe,Mn superoxide dismutase (SOD), C-terminal domain

29	d1coja2	Alignment	not modelled	7.5	15	Superfamily: Fe,Mn superoxide dismutase (SOD), C-terminal domain Family: Fe,Mn superoxide dismutase (SOD), C-terminal domain
30	c3h4rA	Alignment	not modelled	7.2	35	PDB header: hydrolase Chain: A: PDB Molecule: exodeoxyribonuclease 8; PDBTitle: crystal structure of e. coli rece exonuclease
31	c1xmlA	Alignment	not modelled	7.1	34	PDB header: chaperone Chain: A: PDB Molecule: heat shock-like protein 1; PDBTitle: structure of human dcps
32	c5xxuT	Alignment	not modelled	6.8	26	PDB header: ribosome Chain: T: PDB Molecule: ribosomal protein es19; PDBTitle: small subunit of toxoplasma gondii ribosome
33	c4nz0F	Alignment	not modelled	6.8	13	PDB header: transferase Chain: F: PDB Molecule: genome polyprotein; PDBTitle: the emcv 3dpol structure at 2.8a resolution
34	d1e8ca2	Alignment	not modelled	6.7	21	Fold: MurD-like peptide ligases, peptide-binding domain Superfamily: MurD-like peptide ligases, peptide-binding domain Family: MurCDEF C-terminal domain
35	c2lnaA	Alignment	not modelled	6.6	13	PDB header: hydrolase Chain: A: PDB Molecule: afg3-like protein 2; PDBTitle: solution nmr structure of the mitochondrial inner membrane domain2 (residues 164-251), ftsh_ext, from the paraplegin-like protein afg3l23 from homo sapiens, northeast structural genomics consortium target4 hr6741a
36	c3iz5N	Alignment	not modelled	6.5	43	PDB header: ribosome Chain: N: PDB Molecule: 60s ribosomal protein l14 (l14e); PDBTitle: localization of the large subunit ribosomal proteins into a 5.5 a2 cryo-em map of triticum aestivum translating 80s ribosome
37	c2jofA	Alignment	not modelled	6.3	38	PDB header: de novo protein Chain: A: PDB Molecule: trp-cage; PDBTitle: the trp-cage: optimizing the stability of a globular2 miniprotein
38	c3iz6S	Alignment	not modelled	6.3	26	PDB header: ribosome Chain: S: PDB Molecule: 40s ribosomal protein s19 (s19e); PDBTitle: localization of the small subunit ribosomal proteins into a 5.5 a2 cryo-em map of triticum aestivum translating 80s ribosome
39	c4bpxB	Alignment	not modelled	6.3	63	PDB header: transferase Chain: B: PDB Molecule: dna polymerase alpha catalytic subunit, dna primase large PDBTitle: crystal structure of human primase in complex with the primase-2 binding motif of dna polymerase alpha
40	d3sdpa2	Alignment	not modelled	6.3	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
41	c5tx8A	Alignment	not modelled	6.2	21	PDB header: de novo protein Chain: A: PDB Molecule: hh2; PDBTitle: solution structure of the de novo mini protein ghh_44
42	d2p4ka2	Alignment	not modelled	6.2	23	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
43	d1unfx2	Alignment	not modelled	6.1	27	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
44	d1vlra1	Alignment	not modelled	5.8	34	Fold: HIT-like Superfamily: HIT-like Family: mRNA decapping enzyme Dcp5 C-terminal domain
45	c4i1tA	Alignment	not modelled	5.8	24	PDB header: viral protein Chain: A: PDB Molecule: rna-directed rna polymerase l; PDBTitle: crystal structure of the cap-snatching endonuclease from pichinde2 virus
46	c5yvqB	Alignment	not modelled	5.7	20	PDB header: viral protein Chain: B: PDB Molecule: tail fiber assembly protein u; PDBTitle: complex of mu phage tail fiber and its chaperone
47	d1u09a	Alignment	not modelled	5.6	11	Fold: DNA/RNA polymerases Superfamily: DNA/RNA polymerases Family: RNA-dependent RNA-polymerase
48	d1mnga2	Alignment	not modelled	5.5	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
49	c4makA	Alignment	not modelled	5.5	17	PDB header: hydrolase Chain: A: PDB Molecule: crispr-associated endoribonuclease cas2; PDBTitle: crystal structure of a putative ssrna endonuclease cas2, crispr2 adaptation protein from e.coli
50	c1y6uA	Alignment	not modelled	5.5	22	PDB header: dna binding protein Chain: A: PDB Molecule: excisionase from transposon tn916; PDBTitle: the structure of the excisionase (xis) protein from2 conjugative transposon tn916 provides insights into the3 regulation of heterobivalent tyrosine recombinases
51	c3jsbA	Alignment	not modelled	5.5	28	PDB header: rna binding protein Chain: A: PDB Molecule: rna-directed rna polymerase; PDBTitle: crystal structure of the n-terminal domain of the lymphocytic2 choriomeningitis virus l protein
52	c3m05A	Alignment	not modelled	5.4	6	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein pepe_1480; PDBTitle: the crystal structure of a functionally unknown protein pepe_1480 from2 pediococcus pentosaceus atcc 25745
53	c4p6iB	Alignment	not modelled	5.4	17	PDB header: hydrolase Chain: B: PDB Molecule: crispr-associated endoribonuclease cas2; PDBTitle: crystal structure of the cas1-cas2 complex from escherichia coli
54	d2jb0b1	Alignment	not modelled	5.3	32	Fold: His-Me finger endonucleases Superfamily: His-Me finger endonucleases Family: HNH-motif
						PDB header: oxidoreductase

55	c5jcaS_	Alignment	not modelled	5.3	16	Chain: S: PDB Molecule: nadh-dependent ferredoxin:nadp oxidoreductase (nfni) PDBTitle: nadp(h) bound nadh-dependent ferredoxin:nadp oxidoreductase (nfni)2 from pyrococcus furiosus
56	c7ceiB_	Alignment	not modelled	5.3	32	PDB header: immune system Chain: B: PDB Molecule: protein (colicin e7 immunity protein); PDBTitle: the endonuclease domain of colicin e7 in complex with its inhibitor2 im7 protein
57	d1dt0a2	Alignment	not modelled	5.3	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
58	c4miwA_	Alignment	not modelled	5.2	17	PDB header: viral protein, transferase Chain: A: PDB Molecule: rna-directed rna polymerase I; PDBTitle: high-resolution structure of the n-terminal endonuclease domain of the2 lassa virus I polymerase
59	c5uoiA_	Alignment	not modelled	5.2	30	PDB header: de novo protein Chain: A: PDB Molecule: hhh_rd1_0142; PDBTitle: solution structure of the de novo mini protein hhh_rd1_0142