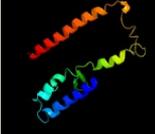


Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD1459c_(-)_1644369_1646144
Date	Fri Aug 2 13:30:04 BST 2019
Unique Job ID	9d88150a2001f3ce

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c5f15A_	 Alignment		99.0	15	PDB header: transferase Chain: A: PDB Molecule: 4-amino-4-deoxy-l-arabinose (l-ara4n) transferase; PDBTitle: crystal structure of arnt from cupriavidus metallidurans bound to 2 undecaprenyl phosphate
2	c6p25A_	 Alignment		98.4	17	PDB header: transferase Chain: A: PDB Molecule: dolichyl-phosphate-mannose--protein mannosyltransferase 1; PDBTitle: structure of s. cerevisiae protein o-mannosyltransferase pmt1-pmt22 complex bound to the sugar donor and a peptide acceptor
3	c6p2rB_	 Alignment		98.1	16	PDB header: transferase Chain: B: PDB Molecule: dolichyl-phosphate-mannose--protein mannosyltransferase 2; PDBTitle: structure of s. cerevisiae protein o-mannosyltransferase pmt1-pmt22 complex bound to the sugar donor
4	c3wajA_	 Alignment		97.8	14	PDB header: transferase Chain: A: PDB Molecule: transmembrane oligosaccharyl transferase; PDBTitle: crystal structure of the archaeoglobus fulgidus2 oligosaccharyltransferase (o29867_arcfu) complex with zn and sulfate
5	c3rceA_	 Alignment		96.9	11	PDB header: transferase/peptide Chain: A: PDB Molecule: oligosaccharide transferase to n-glycosylate proteins; PDBTitle: bacterial oligosaccharyltransferase pglb
6	c2kfvA_	 Alignment		36.0	26	PDB header: isomerase Chain: A: PDB Molecule: fk506-binding protein 3; PDBTitle: structure of the amino-terminal domain of human fk506-2 binding protein 3 / northeast structural genomics3 consortium target ht99a
7	c6adqP_	 Alignment		30.6	14	PDB header: electron transport Chain: P: PDB Molecule: prokaryotic respiratory supercomplex associate factor 1 PDBTitle: respiratory complex ciii2civ2sod2 from mycobacterium smegmatis
8	d1ynjd1	 Alignment		30.2	22	Fold: beta and beta-prime subunits of DNA dependent RNA-polymerase Superfamily: beta and beta-prime subunits of DNA dependent RNA-polymerase Family: RNA-polymerase beta-prime
9	c5ir6A_	 Alignment		26.7	23	PDB header: oxidoreductase Chain: A: PDB Molecule: bd-type quinol oxidase subunit i; PDBTitle: the structure of bd oxidase from geobacillus thermodenitrificans
10	d2r6gf1	 Alignment		25.9	7	Fold: MalF N-terminal region-like Superfamily: MalF N-terminal region-like Family: MalF N-terminal region-like
11	c4g7oN_	 Alignment		25.5	25	PDB header: transcription, transferase/dna Chain: N: PDB Molecule: dna-directed rna polymerase subunit beta'; PDBTitle: crystal structure of thermus thermophilus transcription initiation2 complex containing 2 nt of rna

12	c5xj0D_	Alignment		24.8	25	PDB header: transferase/transcription Chain: D: PDB Molecule: dna-directed rna polymerase subunit beta'; PDBTitle: t. thermophilus rna polymerase holoenzyme bound with gp39 and gp76
13	c5x22D_	Alignment		18.9	25	PDB header: transferase/dna Chain: D: PDB Molecule: dna-directed rna polymerase subunit beta'; PDBTitle: crystal structure of thermus thermophilus transcription initiation2 complex with gpa and cmppcp
14	dlzxa01	Alignment		18.5	15	Fold: Ribonuclease H-like motif Superfamily: Actin-like ATPase domain Family: BadF/BadG/BcrA/BcrD-like
15	d2e74b1	Alignment		16.7	16	Fold: a domain/subunit of cytochrome bc1 complex (Ubiquinol-cytochrome c reductase) Superfamily: a domain/subunit of cytochrome bc1 complex (Ubiquinol-cytochrome c reductase) Family: a domain/subunit of cytochrome bc1 complex (Ubiquinol-cytochrome c reductase)
16	dlzbsa2	Alignment		15.8	15	Fold: Ribonuclease H-like motif Superfamily: Actin-like ATPase domain Family: BadF/BadG/BcrA/BcrD-like
17	dlvf5b_	Alignment		15.2	16	Fold: a domain/subunit of cytochrome bc1 complex (Ubiquinol-cytochrome c reductase) Superfamily: a domain/subunit of cytochrome bc1 complex (Ubiquinol-cytochrome c reductase) Family: a domain/subunit of cytochrome bc1 complex (Ubiquinol-cytochrome c reductase)
18	dlq90d_	Alignment		12.8	10	Fold: a domain/subunit of cytochrome bc1 complex (Ubiquinol-cytochrome c reductase) Superfamily: a domain/subunit of cytochrome bc1 complex (Ubiquinol-cytochrome c reductase) Family: a domain/subunit of cytochrome bc1 complex (Ubiquinol-cytochrome c reductase)
19	dlr9fa_	Alignment		11.5	25	Fold: Tombusvirus P19 core protein, VP19 Superfamily: Tombusvirus P19 core protein, VP19 Family: Tombusvirus P19 core protein, VP19
20	c3e1kj_	Alignment		11.5	36	PDB header: transcription Chain: J: PDB Molecule: lactose regulatory protein lac9; PDBTitle: crystal structure of kluyveromyces lactis gal80p in complex with the2 acidic activation domain of gal4p
21	c3e1kl_	Alignment	not modelled	11.5	36	PDB header: transcription Chain: L: PDB Molecule: lactose regulatory protein lac9; PDBTitle: crystal structure of kluyveromyces lactis gal80p in complex with the2 acidic activation domain of gal4p
22	c3e1kB_	Alignment	not modelled	11.5	36	PDB header: transcription Chain: B: PDB Molecule: lactose regulatory protein lac9; PDBTitle: crystal structure of kluyveromyces lactis gal80p in complex with the2 acidic activation domain of gal4p
23	c3e1kD_	Alignment	not modelled	11.5	36	PDB header: transcription Chain: D: PDB Molecule: lactose regulatory protein lac9; PDBTitle: crystal structure of kluyveromyces lactis gal80p in complex with the2 acidic activation domain of gal4p
24	c3e1kH_	Alignment	not modelled	11.5	36	PDB header: transcription Chain: H: PDB Molecule: lactose regulatory protein lac9; PDBTitle: crystal structure of kluyveromyces lactis gal80p in complex with the2 acidic activation domain of gal4p
25	c3e1kP_	Alignment	not modelled	11.5	36	PDB header: transcription Chain: P: PDB Molecule: lactose regulatory protein lac9; PDBTitle: crystal structure of kluyveromyces lactis gal80p in complex with the2 acidic activation domain of gal4p
26	c3e1kN_	Alignment	not modelled	11.5	36	PDB header: transcription Chain: N: PDB Molecule: lactose regulatory protein lac9; PDBTitle: crystal structure of kluyveromyces lactis gal80p in complex with the2 acidic activation domain of gal4p
27	c3e1kF_	Alignment	not modelled	11.5	36	PDB header: transcription Chain: F: PDB Molecule: lactose regulatory protein lac9; PDBTitle: crystal structure of kluyveromyces lactis gal80p in complex with the2 acidic activation domain of gal4p
28	c3qqcA_	Alignment	not modelled	11.1	25	PDB header: transcription Chain: A: PDB Molecule: dna-directed rna polymerase subunit b, dna-directed rna PDBTitle: crystal structure of archaeal spt4/5 bound to the rnap clamp domain PDB header: transcription, transferase/dna/rna

29	c3aoiN_	Alignment	not modelled	9.4	25	Chain: N: PDB Molecule: dna-directed rna polymerase subunit beta'; PDBTitle: rna polymerase-gfh1 complex (crystal type 2)
30	c4iuwA_	Alignment	not modelled	8.8	17	PDB header: hydrolase Chain: A: PDB Molecule: neutral endopeptidase; PDBTitle: crystal structure of pepo from lactobacillus rhamnosis hn001 (dr20)
31	c3aoil_	Alignment	not modelled	8.7	25	PDB header: transcription, transferase/dna/rna Chain: I: PDB Molecule: dna-directed rna polymerase subunit beta'; PDBTitle: rna polymerase-gfh1 complex (crystal type 2)
32	c2o5jN_	Alignment	not modelled	8.1	25	PDB header: transferase/dna-rna hybrid Chain: N: PDB Molecule: dna-directed rna polymerase beta' chain; PDBTitle: crystal structure of the t. thermophilus rnap polymerase elongation2 complex with the ntp substrate analog
33	c2owrD_	Alignment	not modelled	8.0	54	PDB header: hydrolase Chain: D: PDB Molecule: uracil-dna glycosylase; PDBTitle: crystal structure of vaccinia virus uracil-dna glycosylase
34	d1smyd_	Alignment	not modelled	7.9	25	Fold: beta and beta-prime subunits of DNA dependent RNA-polymerase Superfamily: beta and beta-prime subunits of DNA dependent RNA-polymerase Family: RNA-polymerase beta-prime
35	c3fmtF_	Alignment	not modelled	7.8	40	PDB header: replication inhibitor/dna Chain: F: PDB Molecule: protein seqa; PDBTitle: crystal structure of seqa bound to dna
36	d1rxra1	Alignment	not modelled	7.3	50	Fold: Ribbon-helix-helix Superfamily: Ribbon-helix-helix Family: SeqA N-terminal domain-like
37	c1rxrD_	Alignment	not modelled	7.3	50	PDB header: replication inhibitor Chain: D: PDB Molecule: seqa protein; PDBTitle: crystal structure of a dna-binding protein
38	c3dwbA_	Alignment	not modelled	7.0	20	PDB header: hydrolase Chain: A: PDB Molecule: endothelin-converting enzyme 1; PDBTitle: structure of human ece-1 complexed with phosphoramidon
39	c5nn7A_	Alignment	not modelled	6.9	43	PDB header: hydrolase Chain: A: PDB Molecule: uracil-dna glycosylase; PDBTitle: kshv uracil-dna glycosylase, apo form
40	c6eznF_	Alignment	not modelled	6.7	10	PDB header: membrane protein Chain: F: PDB Molecule: dolichyl-diphosphooligosaccharide--protein PDBTitle: cryo-em structure of the yeast oligosaccharyltransferase (ost) complex
41	c4y0lA_	Alignment	not modelled	6.4	44	PDB header: membrane protein Chain: A: PDB Molecule: putative membrane protein mmp111; PDBTitle: mycobacterial membrane protein mmp11d2
42	c3w52A_	Alignment	not modelled	6.4	30	PDB header: hydrolase Chain: A: PDB Molecule: endonuclease 2; PDBTitle: zinc-dependent bifunctional nuclease
43	c3sngA_	Alignment	not modelled	6.4	30	PDB header: hydrolase Chain: A: PDB Molecule: nuclease; PDBTitle: x-ray structure of fully glycosylated bifunctional nuclease tbn1 from2 solanum lycopersicum (tomato)
44	d2hu7a1	Alignment	not modelled	6.3	56	Fold: 7-bladed beta-propeller Superfamily: Peptidase/esterase 'gauge' domain Family: Acylamino-acid-releasing enzyme, N-terminal donain
45	c3gwgqB_	Alignment	not modelled	6.2	25	PDB header: lyase Chain: B: PDB Molecule: d-serine deaminase; PDBTitle: crystal structure of a putative d-serine deaminase (bx_e_a4060) from2 burkholderia xenovorans lb400 at 2.00 a resolution
46	c5tw1D_	Alignment	not modelled	6.2	50	PDB header: transcription activator/transferase/dna Chain: D: PDB Molecule: dna-directed rna polymerase subunit beta'; PDBTitle: crystal structure of a mycobacterium smegmatis transcription2 initiation complex with rbpA
47	c2o5iD_	Alignment	not modelled	6.1	25	PDB header: transferase/dna-rna hybrid Chain: D: PDB Molecule: dna-directed rna polymerase beta' chain; PDBTitle: crystal structure of the t. thermophilus rna polymerase elongation2 complex
48	c5z3dA_	Alignment	not modelled	6.1	20	PDB header: hydrolase Chain: A: PDB Molecule: glycoside hydrolase 15-related protein; PDBTitle: glycosidase f290y
49	c1qfqB_	Alignment	not modelled	6.0	55	PDB header: transcription/rna Chain: B: PDB Molecule: 36-mer n-terminal peptide of the n protein; PDBTitle: bacteriophage lambda n-protein-nutboxb-rna complex
50	d1ak0a_	Alignment	not modelled	5.8	10	Fold: Phospholipase C/P1 nuclease Superfamily: Phospholipase C/P1 nuclease Family: P1 nuclease
51	c4qiwA_	Alignment	not modelled	5.7	25	PDB header: transcription Chain: A: PDB Molecule: dna-directed rna polymerase; PDBTitle: crystal structure of euryarchaeal rna polymerase from thermococcus2 kodakarensis
52	c6iu3A_	Alignment	not modelled	5.7	9	PDB header: metal transport Chain: A: PDB Molecule: vit11; PDBTitle: crystal structure of iron transporter vit1 with zinc ions
53	d1dmta_	Alignment	not modelled	5.7	14	Fold: Zincin-like Superfamily: Metalloproteases ("zincins"), catalytic domain Family: Neutral endopeptidase (nepriysin)
54	c2mckA_	Alignment	not modelled	5.6	37	PDB header: hydrolase Chain: A: PDB Molecule: polyprotein; PDBTitle: backbone 1h, 13c, and 15n chemical shift assignments for murine2 norovirus cr6 ns1/2 protein PDB header: cell cycle

55	c2mmuA_	Alignment	not modelled	5.6	40	Chain: A; PDB Molecule: cell division protein crga; PDBTitle: structure of crga, a cell division structural and regulatory protein2 from mycobacterium tuberculosis, in lipid bilayers
56	c5lmxA_	Alignment	not modelled	5.4	25	PDB header: transcription Chain: A; PDB Molecule: dna-directed rna polymerase i subunit rpa190; PDBTitle: monomeric rna polymerase i at 4.9 a resolution
57	c1zzaA_	Alignment	not modelled	5.3	21	PDB header: membrane protein Chain: A; PDB Molecule: stannin; PDBTitle: solution nmr structure of the membrane protein stannin
58	c5fbfA_	Alignment	not modelled	5.2	30	PDB header: hydrolase Chain: A; PDB Molecule: nuclease s1; PDBTitle: s1 nuclease from aspergillus oryzae in complex with two molecules of 2'-deoxycytidine-5'-monophosphate
59	c1i6hA_	Alignment	not modelled	5.2	25	PDB header: transcription/dna-rna hybrid Chain: A; PDB Molecule: dna-directed rna polymerase ii largest subunit; PDBTitle: rna polymerase ii elongation complex
60	c5fjaA_	Alignment	not modelled	5.1	38	PDB header: transcription Chain: A; PDB Molecule: dna-directed rna polymerase iii subunit rpc1; PDBTitle: cryo-em structure of yeast rna polymerase iii at 4.7 a
61	d1alna2	Alignment	not modelled	5.1	20	Fold: Cytidine deaminase-like Superfamily: Cytidine deaminase-like Family: Cytidine deaminase