

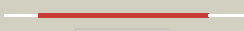














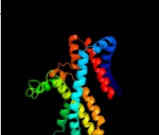



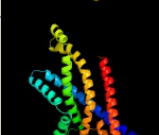




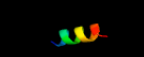






Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD0935_(pstC1)_1043303_1044319
Date	Fri Jul 26 01:50:53 BST 2019
Unique Job ID	d8508c2d2fad54ca

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c4tqv1_	 Alignment		100.0	17	PDB header: transport protein Chain: I: PDB Molecule: algm1; PDBTitle: crystal structure of a bacterial abc transporter involved in the2 import of the acidic polysaccharide alginate
2	c3fh6F_	 Alignment		100.0	10	PDB header: transport protein Chain: F: PDB Molecule: maltose transport system permease protein malF; PDBTitle: crystal structure of the resting state maltose transporter from e.2 coli
3	c2r6gF_	 Alignment		100.0	12	PDB header: hydrolase/transport protein Chain: F: PDB Molecule: maltose transport system permease protein malF; PDBTitle: the crystal structure of the e. coli maltose transporter
4	d2r6gf2	 Alignment		100.0	13	Fold: MetI-like Superfamily: MetI-like Family: MetI-like
5	d2r6gg1	 Alignment		100.0	14	Fold: MetI-like Superfamily: MetI-like Family: MetI-like
6	c4tqv1_	 Alignment		100.0	11	PDB header: transport protein Chain: J: PDB Molecule: algm2; PDBTitle: crystal structure of a bacterial abc transporter involved in the2 import of the acidic polysaccharide alginate
7	c2onkC_	 Alignment		100.0	19	PDB header: membrane protein Chain: C: PDB Molecule: molybdate/tungstate abc transporter, permease PDBTitle: abc transporter modbc in complex with its binding protein2 moda
8	d2onkc1	 Alignment		100.0	19	Fold: MetI-like Superfamily: MetI-like Family: MetI-like
9	d3d31c1	 Alignment		100.0	15	Fold: MetI-like Superfamily: MetI-like Family: MetI-like
10	c3d31D_	 Alignment		100.0	15	PDB header: transport protein Chain: D: PDB Molecule: sulfate/molybdate abc transporter, permease protein; PDBTitle: modbc from methanosarcina acetivorans
11	c4ymuC_	 Alignment		100.0	21	PDB header: protein binding/transport protein Chain: C: PDB Molecule: abc-type amino acid transport system, permease component; PDBTitle: crystal structure of an amino acid abc transporter complex with2 arginines and atps

12	d3dhwA1	Alignment		99.9	18	Fold: MetI-like Superfamily: MetI-like Family: MetI-like
13	c5kbuA	Alignment		81.6	16	PDB header: transport protein Chain: A: PDB Molecule: glutamate receptor 2,voltage-dependent calcium channel PDBTitle: cryo-em structure of glua2-2xstz complex at 7.8 angstrom resolution
14	c2m8gX	Alignment		21.6	13	PDB header: transcription Chain: X: PDB Molecule: transcriptional regulator; PDBTitle: structure, function, and tethering of dna-binding domains in 542 transcriptional activators
15	c2n2aA	Alignment		20.2	15	PDB header: membrane protein Chain: A: PDB Molecule: receptor tyrosine-protein kinase erbb-2; PDBTitle: spatial structure of her2/erb2 dimeric transmembrane domain in the2 presence of cytoplasmic jxtamembrane domains
16	c4qiwT	Alignment		12.9	21	PDB header: transcription Chain: T: PDB Molecule: dna-directed rna polymerase subunit k; PDBTitle: crystal structure of euryarchaeal rna polymerase from thermococcus2 kodakarensis
17	c4l5eA	Alignment		12.6	13	PDB header: protein binding Chain: A: PDB Molecule: transcriptional regulator (ntrc family); PDBTitle: crystal structure of a. aeolicus ntrc1 dna binding domain
18	c1twcF	Alignment		11.8	29	PDB header: transcription Chain: F: PDB Molecule: dna-directed rna polymerases i, ii, and iii PDBTitle: rna polymerase ii complexed with gtp
19	d1twff	Alignment		11.8	29	Fold: RPB6/omega subunit-like Superfamily: RPB6/omega subunit-like Family: RPB6
20	c2pmzW	Alignment		11.5	14	PDB header: translation, transferase Chain: W: PDB Molecule: dna-directed rna polymerase subunit k; PDBTitle: archaeal rna polymerase from sulfolobus solfataricus
21	d1qkla	Alignment	not modelled	10.2	29	Fold: RPB6/omega subunit-like Superfamily: RPB6/omega subunit-like Family: RPB6
22	c2hx6A	Alignment	not modelled	9.8	31	PDB header: hydrolase Chain: A: PDB Molecule: ribonuclease; PDBTitle: solution structure analysis of the phage t42 endoribonuclease regb
23	d1umqa	Alignment	not modelled	9.2	16	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: FIS-like
24	c1umqA	Alignment	not modelled	9.2	16	PDB header: dna-binding protein Chain: A: PDB Molecule: photosynthetic apparatus regulatory protein; PDBTitle: solution structure and dna binding of the effector domain2 from the global regulator prra(rega) from r. sphaeroides:3 insights into dna binding specificity
25	d1ntca	Alignment	not modelled	8.8	16	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: FIS-like
26	c2ks1A	Alignment	not modelled	8.1	15	PDB header: transferase Chain: A: PDB Molecule: receptor tyrosine-protein kinase erbb-2; PDBTitle: heterodimeric association of transmembrane domains of erbb1 and erbb22 receptors enabling kinase activation
27	c2jwaA	Alignment	not modelled	8.1	15	PDB header: transferase Chain: A: PDB Molecule: receptor tyrosine-protein kinase erbb-2; PDBTitle: erbb2 transmembrane segment dimer spatial structure
28	c3h0gF	Alignment	not modelled	7.7	29	PDB header: transcription Chain: F: PDB Molecule: dna-directed rna polymerases i, ii, and iii subunit rpabc2; PDBTitle: rna polymerase ii from schizosaccharomyces pombe

29	c3e7ID_	Alignment	not modelled	7.5	13	PDB header: transcription regulator Chain: D: PDB Molecule: transcriptional regulator (ntrc family); PDBTitle: crystal structure of sigma54 activator ntrc4's dna binding2 domain
30	d1etob_	Alignment	not modelled	7.2	6	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: FIS-like
31	d1fipa_	Alignment	not modelled	6.8	6	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: FIS-like
32	c3tdsC_	Alignment	not modelled	6.5	17	PDB header: membrane protein Chain: C: PDB Molecule: formate/nitrite transporter; PDBTitle: crystal structure of hsc f194i
33	c4v1ad_	Alignment	not modelled	6.3	17	PDB header: ribosome Chain: D: PDB Molecule: PDBTitle: structure of the large subunit of the mammalian mitoribosome, part 22 of 2
34	c2momC_	Alignment	not modelled	5.7	18	PDB header: membrane protein Chain: C: PDB Molecule: lysosome-associated membrane glycoprotein 2; PDBTitle: structural insights of tm domain of lamp-2a in dpc micelles
35	c2momB_	Alignment	not modelled	5.7	18	PDB header: membrane protein Chain: B: PDB Molecule: lysosome-associated membrane glycoprotein 2; PDBTitle: structural insights of tm domain of lamp-2a in dpc micelles
36	c4jw1A_	Alignment	not modelled	5.6	7	PDB header: hydrolase activator Chain: A: PDB Molecule: effector protein b; PDBTitle: crystal structure of n-terminal 618-residue fragment of lepb from2 legionella pneumophila
37	d1cf7a_	Alignment	not modelled	5.3	14	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Cell cycle transcription factor e2f-dp
38	c1pyuD_	Alignment	not modelled	5.3	15	PDB header: lyase Chain: D: PDB Molecule: aspartate 1-decarboxylase alfa chain; PDBTitle: processed aspartate decarboxylase mutant with ser25 mutated to cys
39	c3wg7T_	Alignment	not modelled	5.2	9	PDB header: oxidoreductase Chain: T: PDB Molecule: cytochrome c oxidase subunit 6a2, mitochondrial; PDBTitle: a 1.9 angstrom radiation damage free x-ray structure of large (420kda)2 protein by femtosecond crystallography
40	d1etxa_	Alignment	not modelled	5.1	6	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: FIS-like