

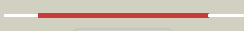












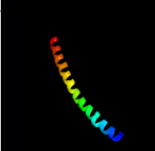








Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD2687c_(-)_3004045_3004758
Date	Wed Aug 7 12:50:34 BST 2019
Unique Job ID	0a74c99ae8895e4d

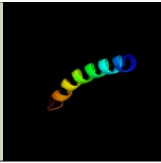
Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c6an7D_	 Alignment		99.9	10	PDB header: transport protein Chain: D; PDB Molecule: transport permease protein; PDBTitle: crystal structure of o-antigen polysaccharide abc-transporter
2	c6an7C_	 Alignment		99.9	10	PDB header: transport protein Chain: C; PDB Molecule: transport permease protein; PDBTitle: crystal structure of o-antigen polysaccharide abc-transporter
3	c5do7B_	 Alignment		99.8	8	PDB header: transport protein Chain: B; PDB Molecule: atp-binding cassette sub-family g member 8; PDBTitle: crystal structure of the human sterol transporter abcg5/abcg8
4	c5nj3B_	 Alignment		99.8	13	PDB header: transport protein Chain: B; PDB Molecule: atp-binding cassette sub-family g member 2; PDBTitle: structure of an abc transporter: complete structure
5	c5njgB_	 Alignment		99.7	10	PDB header: transport protein Chain: B; PDB Molecule: atp-binding cassette sub-family g member 2; PDBTitle: structure of an abc transporter: part of the structure that could be2 built de novo
6	c5do7A_	 Alignment		99.7	11	PDB header: transport protein Chain: A; PDB Molecule: atp-binding cassette sub-family g member 5; PDBTitle: crystal structure of the human sterol transporter abcg5/abcg8
7	c5xjvA_	 Alignment		98.8	10	PDB header: transport protein Chain: A; PDB Molecule: atp-binding cassette sub-family a member 1; PDBTitle: cryo-em structure of human abca1
8	c1iflA_	 Alignment		27.2	13	PDB header: virus Chain: A; PDB Molecule: inovirus; PDBTitle: molecular models and structural comparisons of native and2 mutant class i filamentous bacteriophages ff (fd, f1, m13),3 if1 and ike
9	c6butB_	 Alignment		20.9	11	PDB header: membrane protein Chain: B; PDB Molecule: sodium channel protein type 2 subunit alpha; PDBTitle: solution structure of full-length apo mammalian calmodulin bound to2 the iq motif of the human voltage-gated sodium channel nav1.2
10	c2m5eB_	 Alignment		20.4	11	PDB header: calcium-binding protein/metal transport Chain: B; PDB Molecule: sodium channel protein type 2 subunit alpha; PDBTitle: structure of the c-domain of calcium-saturated calmodulin bound to the2 iq motif of nav1.2
11	c2kxwB_	 Alignment		20.4	11	PDB header: calcium-binding protein/metal transport Chain: B; PDB Molecule: sodium channel protein type 2 subunit alpha; PDBTitle: structure of the c-domain fragment of apo calmodulin bound to the iq2 motif of nav1.2

12	c5lj7B_	Alignment		17.7	6	PDB header: transport protein Chain: B: PDB Molecule: macrolide export atp-binding/permease protein macb; PDBTitle: structure of aggregatibacter actinomycetemcomitans macb bound to atp2 (p21)
13	c2bbjB_	Alignment		10.5	13	PDB header: metal transport/membrane protein Chain: B: PDB Molecule: divalent cation transport-related protein; PDBTitle: crystal structure of the cora mg2+ transporter
14	d2hoea1	Alignment		10.5	25	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: ROK associated domain
15	c2l53B_	Alignment		10.3	28	PDB header: ca-binding protein/proton transport Chain: B: PDB Molecule: voltage-gated sodium channel type v alpha isoform b PDBTitle: solution nmr structure of apo-calmodulin in complex with the iq motif2 of human cardiac sodium channel nav1.5
16	d2r6gg1	Alignment		8.6	12	Fold: MetI-like Superfamily: MetI-like Family: MetI-like
17	c5ir6B_	Alignment		6.2	13	PDB header: oxidoreductase Chain: B: PDB Molecule: bd-type quinol oxidase subunit ii; PDBTitle: the structure of bd oxidase from geobacillus thermodenitrificans

18 [c2cpbA](#)

Alignment



5.2

13

PDB header:viral protein
Chain: A: **PDB Molecule:**m13 major coat protein;
PDBTitle: solution nmr structures of the major coat protein of2
filamentous bacteriophage m13 solubilized in3
dodecylphosphocholine micelles, 25 lowest energy structures