

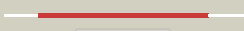














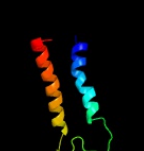






Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD1686c_(-)_1911408_1912088
Date	Fri Aug 2 13:30:28 BST 2019
Unique Job ID	fd0826a77b021369

Detailed template information

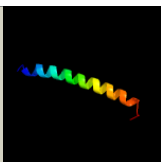
#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c6an7C_	 Alignment		100.0	10	PDB header: transport protein Chain: C; PDB Molecule: transport permease protein; PDBTitle: crystal structure of o-antigen polysaccharide abc-transporter
2	c6an7D_	 Alignment		100.0	12	PDB header: transport protein Chain: D; PDB Molecule: transport permease protein; PDBTitle: crystal structure of o-antigen polysaccharide abc-transporter
3	c5do7B_	 Alignment		100.0	14	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	c5do7A_	 Alignment		99.9	14	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
5	c5njgB_	 Alignment		99.9	15	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	c5nj3B_	 Alignment		99.9	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
7	c5xjvA_	 Alignment		99.3	13	PDB header: transport protein Chain: A; PDB Molecule: atp-binding cassette sub-family a member 1; PDBTitle: cryo-em structure of human abca1
8	c5lj7B_	 Alignment		47.8	13	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)
9	c5n9yB_	 Alignment		28.6	17	PDB header: membrane protein Chain: B; PDB Molecule: zinc transport protein zntb; PDBTitle: the full-length structure of zntb
10	c5nikK_	 Alignment		21.1	12	PDB header: transport protein Chain: K; PDB Molecule: macrolide export atp-binding/permease protein macb; PDBTitle: structure of the macab-tolc abc-type tripartite multidrug efflux pump
11	c2hqwb_	 Alignment		12.0	50	PDB header: metal binding protein Chain: B; PDB Molecule: glutamate nmda receptor subunit zeta 1; PDBTitle: crystal structure of ca2+/calmodulin bound to nmda receptor nr1c12 peptide

12	c3rkoF_	Alignment		10.0	15	PDB header: oxidoreductase Chain: F; PDB Molecule: nadh-quinone oxidoreductase subunit j; PDBTitle: crystal structure of the membrane domain of respiratory complex i from2 e. coli at 3.0 angstrom resolution
13	c2bbjB_	Alignment		9.8	19	PDB header: metal transport/membrane protein Chain: B; PDB Molecule: divalent cation transport-related protein; PDBTitle: crystal structure of the cora mg2+ transporter
14	c2na6C_	Alignment		9.1	17	PDB header: apoptosis Chain: C; PDB Molecule: tumor necrosis factor receptor superfamily member 6; PDBTitle: transmembrane domain of mouse fas/cd95 death receptor
15	c2na6B_	Alignment		9.1	17	PDB header: apoptosis Chain: B; PDB Molecule: tumor necrosis factor receptor superfamily member 6; PDBTitle: transmembrane domain of mouse fas/cd95 death receptor
16	c2na6A_	Alignment		9.1	17	PDB header: apoptosis Chain: A; PDB Molecule: tumor necrosis factor receptor superfamily member 6; PDBTitle: transmembrane domain of mouse fas/cd95 death receptor
17	c4fz1D_	Alignment		7.7	50	PDB header: transport protein Chain: D; PDB Molecule: pi-theraphotoxin-pc1a; PDBTitle: crystal structure of acid-sensing ion channel in complex with2 psalmotoxin 1 at high ph
18	d2iuba2	Alignment		7.3	29	Fold: Transmembrane helix hairpin Superfamily: Magnesium transport protein CorA, transmembrane region Family: Magnesium transport protein CorA, transmembrane region
19	d1lmma_	Alignment		6.7	50	Fold: Knottins (small inhibitors, toxins, lectins) Superfamily: omega toxin-like Family: Spider toxins

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[c6cfwG_](#)

Alignment



6.3

11

PDB header:membrane protein
Chain: G: **PDB Molecule:**monovalent cation/h+ antiporter subunit
c;
PDBTitle: cryoem structure of a respiratory membrane-bound
hydrogenase