












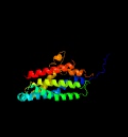



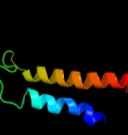

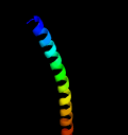




# Phyre2

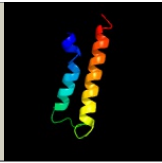
Email	mdejesus@rockefeller.edu
Description	RVBD2686c (-)_3003290_3004048
Date	Wed Aug 7 12:50:33 BST 2019
Unique Job ID	d8dcaf8da6deae98

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	<a href="#">c6an7D_</a>	 Alignment		100.0	8	<b>PDB header:</b> transport protein <b>Chain:</b> D; <b>PDB Molecule:</b> transport permease protein; <b>PDBTitle:</b> crystal structure of o-antigen polysaccharide abc-transporter
2	<a href="#">c6an7C_</a>	 Alignment		100.0	8	<b>PDB header:</b> transport protein <b>Chain:</b> C; <b>PDB Molecule:</b> transport permease protein; <b>PDBTitle:</b> crystal structure of o-antigen polysaccharide abc-transporter
3	<a href="#">c5njgB_</a>	 Alignment		99.9	15	<b>PDB header:</b> transport protein <b>Chain:</b> B; <b>PDB Molecule:</b> atp-binding cassette sub-family g member 2; <b>PDBTitle:</b> structure of an abc transporter: part of the structure that could be2 built de novo
4	<a href="#">c5do7B_</a>	 Alignment		99.9	9	<b>PDB header:</b> transport protein <b>Chain:</b> B; <b>PDB Molecule:</b> atp-binding cassette sub-family g member 8; <b>PDBTitle:</b> crystal structure of the human sterol transporter abcg5/abcg8
5	<a href="#">c5nj3B_</a>	 Alignment		99.9	15	<b>PDB header:</b> transport protein <b>Chain:</b> B; <b>PDB Molecule:</b> atp-binding cassette sub-family g member 2; <b>PDBTitle:</b> structure of an abc transporter: complete structure
6	<a href="#">c5do7A_</a>	 Alignment		99.9	12	<b>PDB header:</b> transport protein <b>Chain:</b> A; <b>PDB Molecule:</b> atp-binding cassette sub-family g member 5; <b>PDBTitle:</b> crystal structure of the human sterol transporter abcg5/abcg8
7	<a href="#">c5xjyA_</a>	 Alignment		98.9	11	<b>PDB header:</b> transport protein <b>Chain:</b> A; <b>PDB Molecule:</b> atp-binding cassette sub-family a member 1; <b>PDBTitle:</b> cryo-em structure of human abca1
8	<a href="#">c5x5yG_</a>	 Alignment		22.7	10	<b>PDB header:</b> membrane protein <b>Chain:</b> G; <b>PDB Molecule:</b> uncharacterized protein; <b>PDBTitle:</b> a membrane protein complex
9	<a href="#">c5n9yB_</a>	 Alignment		11.9	17	<b>PDB header:</b> membrane protein <b>Chain:</b> B; <b>PDB Molecule:</b> zinc transport protein zntb; <b>PDBTitle:</b> the full-length structure of zntb
10	<a href="#">c1ifiA_</a>	 Alignment		9.1	12	<b>PDB header:</b> virus <b>Chain:</b> A; <b>PDB Molecule:</b> inovirus; <b>PDBTitle:</b> molecular models and structural comparisons of native and2 mutant class i filamentous bacteriophages ff (fd, f1, m13),3 if1 and ike
11	<a href="#">c6mjyG_</a>	 Alignment		7.4	7	<b>PDB header:</b> lipid transport <b>Chain:</b> G; <b>PDB Molecule:</b> lps export abc transporter permease lptg; <b>PDBTitle:</b> lptb(e163q)fgc from vibrio cholerae

12 [c4ev6E\\_](#)

Alignment



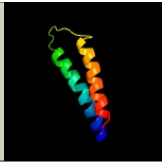
7.2

17

**PDB header:** metal transport  
**Chain:** E: **PDB Molecule:** magnesium transport protein cora;  
**PDB Title:** the complete structure of cora magnesium transporter from *Methanocaldococcus jannaschii*

13 [c2bbjB\\_](#)

Alignment



7.0

7

**PDB header:** metal transport/membrane protein

**Chain:** B: **PDB Molecule:** divalent cation transport-related protein;

**PDBTitle:** crystal structure of the cora mg2+ transporter