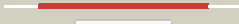



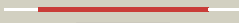








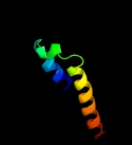







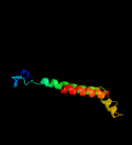


Phyre2

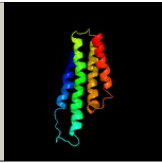
Email	mdejesus@rockefeller.edu
Description	RVBD2685_ (arsB1)_3001993_3003279
Date	Wed Aug 7 12:50:33 BST 2019
Unique Job ID	dab837fad7c54d07

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c4f35C_	 Alignment		100.0	21	PDB header: transport protein Chain: C; PDB Molecule: transporter, nadc family; PDBTitle: crystal structure of a bacterial dicarboxylate/sodium symporter
2	c4r1iB_	 Alignment		100.0	15	PDB header: membrane protein Chain: B; PDB Molecule: aminobenzoyl-glutamate transporter; PDBTitle: structure and function of neisseria gonorrhoeae mtrf illuminates a2 class of antimetabolite efflux pumps
3	c4r0cB_	 Alignment		99.9	15	PDB header: membrane protein Chain: B; PDB Molecule: abgt putative transporter family; PDBTitle: crystal structure of the alcanivorax borkumensis ydah transporter2 reveals an unusual topology
4	c5a1sB_	 Alignment		86.5	16	PDB header: transport protein Chain: B; PDB Molecule: citrate-sodium symporter; PDBTitle: crystal structure of the sodium-dependent citrate symporter secits2 form salmonella enterica.
5	d1y5ic1	 Alignment		28.1	10	Fold: Heme-binding four-helical bundle Superfamily: Respiratory nitrate reductase 1 gamma chain Family: Respiratory nitrate reductase 1 gamma chain
6	c3qngD_	 Alignment		14.9	6	PDB header: membrane protein, transport protein Chain: D; PDB Molecule: pts system, cellobiose-specific iic component; PDBTitle: crystal structure of the transporter chbc, the iic component from the2 n,n'-diacetylchitobiose-specific phosphotransferase system
7	c2bbjB_	 Alignment		11.8	28	PDB header: metal transport/membrane protein Chain: B; PDB Molecule: divalent cation transport-related protein; PDBTitle: crystal structure of the cora mg2+ transporter
8	c4lepB_	 Alignment		8.7	8	PDB header: membrane protein, transport protein Chain: B; PDB Molecule: proton:oligopeptide symporter pot family; PDBTitle: structural insights into substrate recognition in proton dependent2 oligopeptide transporters
9	c2b6pA_	 Alignment		8.0	11	PDB header: membrane protein Chain: A; PDB Molecule: lens fiber major intrinsic protein; PDBTitle: x-ray structure of lens aquaporin-0 (aqp0) (lens mip) in an open pore2 state
10	c2gfpA_	 Alignment		8.0	11	PDB header: membrane protein Chain: A; PDB Molecule: multidrug resistance protein d; PDBTitle: structure of the multidrug transporter emrd from2 escherichia coli
11	c3rfrl_	 Alignment		6.1	12	PDB header: oxidoreductase Chain: I; PDB Molecule: pmob; PDBTitle: crystal structure of particulate methane monooxygenase (pmmo) from2 methylocystis sp. strain m

12 [d2h8aa1](#)

Alignment



5.2

10

Fold:MAPEG domain-like
Superfamily:MAPEG domain-like
Family:MAPEG domain