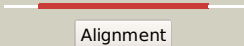

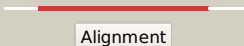

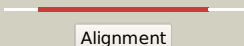








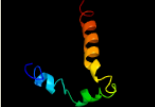










Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD3236c_(-)_3611956_3613113
Date	Thu Aug 8 16:20:44 BST 2019
Unique Job ID	da5578370385c037

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c4bwzA_	 Alignment		100.0	22	PDB header: transport protein Chain: A: PDB Molecule: na(+)/h(+) antiporter; PDBTitle: crystal structure of the sodium proton antiporter, napa
2	c5bz3A_	 Alignment		100.0	22	PDB header: transport protein Chain: A: PDB Molecule: na(+)/h(+) antiporter; PDBTitle: crystal structure of sodium proton antiporter napa in outward-facing2 conformation.
3	c4czbB_	 Alignment		100.0	13	PDB header: membrane protein Chain: B: PDB Molecule: na(+)/h(+) antiporter 1; PDBTitle: structure of the sodium proton antiporter mjnhap1 from2 methanocaldococcus jannaschii at ph 8.
4	c4cz8A_	 Alignment		100.0	16	PDB header: membrane protein Chain: A: PDB Molecule: na+/h+ antiporter, putative; PDBTitle: structure of the sodium proton antiporter panhap from2 pyrococcus abyssii at ph 8.
5	c1zcdA_	 Alignment		99.9	14	PDB header: membrane protein Chain: A: PDB Molecule: na(+)/h(+) antiporter 1; PDBTitle: crystal structure of the na+/h+ antiporter nhaa
6	c4n7wA_	 Alignment		98.5	13	PDB header: transport protein Chain: A: PDB Molecule: transporter, sodium/bile acid symporter family; PDBTitle: crystal structure of the sodium bile acid symporter from yersinia2 frederiksenii
7	c2mdfA_	 Alignment		97.4	9	PDB header: proton transport Chain: A: PDB Molecule: sodium/hydrogen exchanger 1; PDBTitle: nmr structure of a two-transmembrane segment tm vi-vii of nhe1
8	c5a1sB_	 Alignment		88.9	14	PDB header: transport protein Chain: B: PDB Molecule: citrate-sodium symporter; PDBTitle: crystal structure of the sodium-dependent citrate symporter secits2 form salmonella enterica.
9	c2l0eA_	 Alignment		76.4	7	PDB header: membrane protein Chain: A: PDB Molecule: sodium/hydrogen exchanger 1; PDBTitle: structural and functional analysis of tm vi of the nhe1 isoform of the2 na+/h+ exchanger
10	c2k3cA_	 Alignment		14.3	18	PDB header: metal transport Chain: A: PDB Molecule: tmix peptide; PDBTitle: structural and functional characterization of tm ix of the2 nhe1 isoform of the na+/h+ exchanger
11	c2m7xA_	 Alignment		11.3	17	PDB header: membrane protein Chain: A: PDB Molecule: na(+)/h(+) antiporter; PDBTitle: structural and functional analysis of transmembrane segment iv of the2 salt tolerance protein sod2

12	c4k1cB_	Alignment		9.9	10	PDB header: membrane protein/metal transport Chain: B: PDB Molecule: vacuolar calcium ion transporter; PDBTitle: vcx1 calcium/proton exchanger
13	c4ky0B_	Alignment		9.8	12	PDB header: transport protein, membrane protein Chain: B: PDB Molecule: proton/glutamate symporter, sdf family; PDBTitle: crystal structure of a substrate-free glutamate transporter homologue2 from thermococcus kodakarensis
14	c5oonA_	Alignment		8.6	12	PDB header: membrane protein Chain: A: PDB Molecule: undecaprenyl-diphosphatase; PDBTitle: structure of undecaprenyl-pyrophosphate phosphatase, baca
15	c2momC_	Alignment		8.2	21	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
16	c2momB_	Alignment		8.2	21	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
17	c5lm4A_	Alignment		7.3	10	PDB header: transport protein Chain: A: PDB Molecule: excitatory amino acid transporter 1,neutral amino acid PDBTitle: structure of the thermostabilized eaat1 cryst-ii mutant in complex2 with l-asp and the allosteric inhibitor ucph101
18	d2nwwa1	Alignment		6.8	14	Fold: Proton glutamate symport protein Superfamily: Proton glutamate symport protein Family: Proton glutamate symport protein
19	c4k1cA_	Alignment		6.3	11	PDB header: membrane protein/metal transport Chain: A: PDB Molecule: vacuolar calcium ion transporter; PDBTitle: vcx1 calcium/proton exchanger
20	c5cbfA_	Alignment		6.1	14	PDB header: transport protein Chain: A: PDB Molecule: ion transport 2 domain protein; PDBTitle: structural and functional characterization of a calcium-activated2 cation channel from tsukamurella paurometabola
21	d1r7ma1	Alignment	not modelled	6.0	31	Fold: Homing endonuclease-like Superfamily: Homing endonucleases Family: Group I mobile intron endonuclease
22	c6eznH_	Alignment	not modelled	5.9	13	PDB header: membrane protein Chain: H: PDB Molecule: dolichyl-diphosphooligosaccharide--protein PDBTitle: cryo-em structure of the yeast oligosaccharyltransferase (ost) complex
23	c6f0kF_	Alignment	not modelled	5.7	9	PDB header: membrane protein Chain: F: PDB Molecule: actf; PDBTitle: alternative complex iii
24	c5m1gB_	Alignment	not modelled	5.7	12	PDB header: viral protein Chain: B: PDB Molecule: gag protein; PDBTitle: structure of a spumaretrovirus gag central domain reveals an ancient2 retroviral capsid
25	c4f35C_	Alignment	not modelled	5.7	9	PDB header: transport protein Chain: C: PDB Molecule: transporter, nadc family; PDBTitle: crystal structure of a bacterial dicarboxylate/sodium symporter
26	c1yq3C_	Alignment	not modelled	5.3	17	PDB header: oxidoreductase Chain: C: PDB Molecule: succinate dehydrogenase cytochrome b, large subunit; PDBTitle: avian respiratory complex ii with oxaloacetate and ubiquinone