

Phyre2

Email: mdejesus@rockefeller.edu
 Description: RVBD1305_(atpE)_1461051_1461296
 Date: Wed Jul 31 22:05:40 BST 2019
 Unique Job ID: 4c713e8ec37690e6

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c4v1gA_	Alignment		100.0	90	PDB header: hydrolase Chain: A: PDB Molecule: f0f1 atp synthase subunit c; PDBTitle: crystal structure of a mycobacterial atp synthase rotor ring
2	c2w5jM_	Alignment		100.0	35	PDB header: hydrolase Chain: M: PDB Molecule: atp synthase c chain, chloroplastic; PDBTitle: structure of the c14-rotor ring of the proton translocating2 chloroplast atp synthase
3	c1yceD_	Alignment		100.0	28	PDB header: membrane protein Chain: D: PDB Molecule: subunit c; PDBTitle: structure of the rotor ring of f-type na+-atpase from ilyobacter2 tartaricus
4	c4bemJ_	Alignment		99.9	19	PDB header: hydrolase Chain: J: PDB Molecule: f1fo atpase c1 subunit; PDBTitle: crystal structure of the f-type atp synthase c-ring from2 acetobacterium woodii.
5	c2x2vG_	Alignment		99.9	34	PDB header: membrane protein Chain: G: PDB Molecule: atp synthase subunit c; PDBTitle: structural basis of a novel proton-coordination type in an2 f1fo-atp synthase rotor ring
6	c5dn6P_	Alignment		99.9	27	PDB header: hydrolase Chain: P: PDB Molecule: atp synthase f0 subcomplex c subunit; PDBTitle: atp synthase from paracoccus denitrificans
7	c6f36E_	Alignment		99.9	29	PDB header: proton transport Chain: E: PDB Molecule: mitochondrial atp synthase subunit c; PDBTitle: polytomella fo model
8	c1wu0A_	Alignment		99.9	39	PDB header: hydrolase Chain: A: PDB Molecule: atp synthase c chain; PDBTitle: solution structure of subunit c of f1fo-atp synthase from2 the thermophilic bacillus ps3
9	c2wpdP_	Alignment		99.9	32	PDB header: hydrolase Chain: P: PDB Molecule: atp synthase subunit 9, mitochondrial; PDBTitle: the mg.adp inhibited state of the yeast f1c10 atp synthase
10	c2xndK_	Alignment		99.9	32	PDB header: hydrolase Chain: K: PDB Molecule: atp synthase lipid-binding protein, mitochondrial; PDBTitle: crystal structure of bovine f1-c8 sub-complex of atp2 synthase
11	d1c99a_	Alignment		99.9	35	Fold: Transmembrane helix hairpin Superfamily: F1F0 ATP synthase subunit C Family: F1F0 ATP synthase subunit C

12	c2bl2F_	Alignment		99.1	23	PDB header: hydrolase Chain: F: PDB Molecule: v-type sodium atp synthase subunit k; PDBTitle: the membrane rotor of the v-type atpase from enterococcus2 hirae
13	c3j9tZ_	Alignment		99.1	24	PDB header: hydrolase Chain: Z: PDB Molecule: v-type proton atpase subunit c; PDBTitle: yeast v-atpase state 1
14	c5tj5D_	Alignment		99.1	16	PDB header: motor protein Chain: D: PDB Molecule: v-type proton atpase subunit c'; PDBTitle: atomic model for the membrane-embedded motor of a eukaryotic v-atpase
15	c5garX_	Alignment		99.1	20	PDB header: hydrolase Chain: X: PDB Molecule: vacuolar type atp synthase subunit; PDBTitle: thermus thermophilus v/a-atpase, conformation 1
16	c5tj5B_	Alignment		98.3	15	PDB header: motor protein Chain: B: PDB Molecule: v-type proton atpase subunit c''; PDBTitle: atomic model for the membrane-embedded motor of a eukaryotic v-atpase
17	c4zxsD_	Alignment		14.0	13	PDB header: viral protein Chain: D: PDB Molecule: virion egress protein ul31; PDBTitle: hsv-1 nuclear egress complex
18	c4z3uB_	Alignment		10.8	14	PDB header: viral protein Chain: B: PDB Molecule: ul31; PDBTitle: prv nuclear egress complex
19	d1b7go1	Alignment		6.8	26	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: Glyceraldehyde-3-phosphate dehydrogenase-like, N-terminal domain
20	c4ediC_	Alignment		6.8	29	PDB header: transport protein Chain: C: PDB Molecule: ethanolamine utilization protein; PDBTitle: disulfide bonded euti from clostridium perfringens
21	c6bkIB_	Alignment	not modelled	6.6	45	PDB header: membrane protein Chain: B: PDB Molecule: matrix protein 2; PDBTitle: influenza a m2 transmembrane domain bound to rimantadine
22	c6bkIG_	Alignment	not modelled	6.6	45	PDB header: membrane protein Chain: G: PDB Molecule: matrix protein 2; PDBTitle: influenza a m2 transmembrane domain bound to rimantadine
23	c6bmzD_	Alignment	not modelled	6.6	45	PDB header: membrane protein Chain: D: PDB Molecule: matrix protein 2; PDBTitle: influenza a m2 transmembrane domain bound to a spiroadamantane2 inhibitor
24	c6bkIH_	Alignment	not modelled	6.6	45	PDB header: membrane protein Chain: H: PDB Molecule: matrix protein 2; PDBTitle: influenza a m2 transmembrane domain bound to rimantadine
25	c6bmzF_	Alignment	not modelled	6.6	45	PDB header: membrane protein Chain: F: PDB Molecule: matrix protein 2; PDBTitle: influenza a m2 transmembrane domain bound to a spiroadamantane2 inhibitor
26	c6bkID_	Alignment	not modelled	6.6	45	PDB header: membrane protein Chain: D: PDB Molecule: matrix protein 2; PDBTitle: influenza a m2 transmembrane domain bound to rimantadine
27	c6bmzJ_	Alignment	not modelled	6.6	45	PDB header: membrane protein Chain: J: PDB Molecule: matrix protein 2; PDBTitle: influenza a m2 transmembrane domain bound to a spiroadamantane2 inhibitor
28	c6bkIC_	Alignment	not modelled	6.6	45	PDB header: membrane protein Chain: C: PDB Molecule: matrix protein 2; PDBTitle: influenza a m2 transmembrane domain bound to rimantadine

29	c6bklF_	Alignment	not modelled	6.6	45	PDB header: membrane protein Chain: F: PDB Molecule: matrix protein 2; PDBTitle: influenza a m2 transmembrane domain bound to rimantadine
30	c6bmzB_	Alignment	not modelled	6.6	45	PDB header: membrane protein Chain: B: PDB Molecule: matrix protein 2; PDBTitle: influenza a m2 transmembrane domain bound to a spiroadamantane2 inhibitor
31	c6bmzH_	Alignment	not modelled	6.5	45	PDB header: membrane protein Chain: H: PDB Molecule: matrix protein 2; PDBTitle: influenza a m2 transmembrane domain bound to a spiroadamantane2 inhibitor
32	c6bmzC_	Alignment	not modelled	6.5	45	PDB header: membrane protein Chain: C: PDB Molecule: matrix protein 2; PDBTitle: influenza a m2 transmembrane domain bound to a spiroadamantane2 inhibitor
33	c6bmzE_	Alignment	not modelled	6.5	45	PDB header: membrane protein Chain: E: PDB Molecule: matrix protein 2; PDBTitle: influenza a m2 transmembrane domain bound to a spiroadamantane2 inhibitor
34	c6bklE_	Alignment	not modelled	6.5	45	PDB header: membrane protein Chain: E: PDB Molecule: matrix protein 2; PDBTitle: influenza a m2 transmembrane domain bound to rimantadine
35	c6bklA_	Alignment	not modelled	6.5	45	PDB header: membrane protein Chain: A: PDB Molecule: matrix protein 2; PDBTitle: influenza a m2 transmembrane domain bound to rimantadine
36	c6bmzK_	Alignment	not modelled	6.5	45	PDB header: membrane protein Chain: K: PDB Molecule: matrix protein 2; PDBTitle: influenza a m2 transmembrane domain bound to a spiroadamantane2 inhibitor
37	c6bmzP_	Alignment	not modelled	6.5	45	PDB header: membrane protein Chain: P: PDB Molecule: matrix protein 2; PDBTitle: influenza a m2 transmembrane domain bound to a spiroadamantane2 inhibitor
38	c6bmzO_	Alignment	not modelled	6.5	45	PDB header: membrane protein Chain: O: PDB Molecule: matrix protein 2; PDBTitle: influenza a m2 transmembrane domain bound to a spiroadamantane2 inhibitor
39	c6bmzL_	Alignment	not modelled	6.5	45	PDB header: membrane protein Chain: L: PDB Molecule: matrix protein 2; PDBTitle: influenza a m2 transmembrane domain bound to a spiroadamantane2 inhibitor
40	c6bmzA_	Alignment	not modelled	6.5	45	PDB header: membrane protein Chain: A: PDB Molecule: matrix protein 2; PDBTitle: influenza a m2 transmembrane domain bound to a spiroadamantane2 inhibitor
41	c6bmzM_	Alignment	not modelled	6.5	45	PDB header: membrane protein Chain: M: PDB Molecule: matrix protein 2; PDBTitle: influenza a m2 transmembrane domain bound to a spiroadamantane2 inhibitor
42	c6bmzI_	Alignment	not modelled	6.5	45	PDB header: membrane protein Chain: I: PDB Molecule: matrix protein 2; PDBTitle: influenza a m2 transmembrane domain bound to a spiroadamantane2 inhibitor
43	c6bkkB_	Alignment	not modelled	6.3	45	PDB header: membrane protein Chain: B: PDB Molecule: matrix protein 2; PDBTitle: influenza a m2 transmembrane domain bound to amantadine
44	c6bocA_	Alignment	not modelled	6.3	45	PDB header: membrane protein Chain: A: PDB Molecule: matrix protein 2; PDBTitle: influenza a m2 transmembrane domain bound to rimantadine in the2 inward(open) conformation
45	c4qkCA_	Alignment	not modelled	6.3	45	PDB header: viral protein Chain: A: PDB Molecule: influenza m2 monomer; PDBTitle: influenza a m2 wild type tm domain at low ph in the lipidic cubic2 phase under cryo diffraction conditions
46	c6bocD_	Alignment	not modelled	6.3	45	PDB header: membrane protein Chain: D: PDB Molecule: matrix protein 2; PDBTitle: influenza a m2 transmembrane domain bound to rimantadine in the2 inward(open) conformation
47	c6bkkH_	Alignment	not modelled	6.3	45	PDB header: membrane protein Chain: H: PDB Molecule: matrix protein 2; PDBTitle: influenza a m2 transmembrane domain bound to amantadine
48	c6bmzN_	Alignment	not modelled	6.3	45	PDB header: membrane protein Chain: N: PDB Molecule: matrix protein 2; PDBTitle: influenza a m2 transmembrane domain bound to a spiroadamantane2 inhibitor
49	c6bkkC_	Alignment	not modelled	6.3	45	PDB header: membrane protein Chain: C: PDB Molecule: matrix protein 2; PDBTitle: influenza a m2 transmembrane domain bound to amantadine
50	c1nyjC_	Alignment	not modelled	6.3	45	PDB header: viral protein Chain: C: PDB Molecule: matrix protein m2; PDBTitle: the closed state structure of m2 protein h+ channel by2 solid state nmr spectroscopy
51	c1nyjA_	Alignment	not modelled	6.3	45	PDB header: viral protein Chain: A: PDB Molecule: matrix protein m2; PDBTitle: the closed state structure of m2 protein h+ channel by2 solid state nmr spectroscopy
52	c5um1A_	Alignment	not modelled	6.3	45	PDB header: proton transport Chain: A: PDB Molecule: matrix protein 2; PDBTitle: xfel structure of influenza a m2 wild type tm domain at intermediate2 ph in the lipidic cubic phase at room temperature
53	c5jooA_	Alignment	not modelled	6.3	45	PDB header: viral protein Chain: A: PDB Molecule: matrix protein 2; PDBTitle: xfel structure of influenza a m2 wild type tm domain at low ph in the2 lipidic cubic phase at room temperature
54	c6bkkE_	Alignment	not modelled	6.3	45	PDB header: membrane protein Chain: E: PDB Molecule: matrix protein 2; PDBTitle: influenza a m2 transmembrane domain bound to

						amantadine
55	c4qkIA_	Alignment	not modelled	6.3	45	PDB header: viral protein Chain: A: PDB Molecule: influenza m2 monomer, tm domain (22-46); PDBTitle: influenza a m2 wild type tm domain at high ph in the lipidic cubic2 phase under room temperature diffraction conditions
56	c6bkkF_	Alignment	not modelled	6.3	45	PDB header: membrane protein Chain: F: PDB Molecule: matrix protein 2; PDBTitle: influenza a m2 transmembrane domain bound to amantadine
57	c5ttcA_	Alignment	not modelled	6.3	45	PDB header: membrane protein Chain: A: PDB Molecule: matrix protein 2; PDBTitle: xfel structure of influenza a m2 wild type tm domain at high ph in the2 lipidic cubic phase at room temperature
58	c2kqtB_	Alignment	not modelled	6.3	45	PDB header: transport protein Chain: B: PDB Molecule: m2 protein; PDBTitle: solid-state nmr structure of the m2 transmembrane peptide of the2 influenza a virus in dmpc lipid bilayers bound to deuterated3 amantadine
59	c1nyjB_	Alignment	not modelled	6.3	45	PDB header: viral protein Chain: B: PDB Molecule: matrix protein m2; PDBTitle: the closed state structure of m2 protein h+ channel by2 solid state nmr spectroscopy
60	c6bocC_	Alignment	not modelled	6.3	45	PDB header: membrane protein Chain: C: PDB Molecule: matrix protein 2; PDBTitle: influenza a m2 transmembrane domain bound to rimantadine in the2 inward(open) conformation
61	c6bkkD_	Alignment	not modelled	6.3	45	PDB header: membrane protein Chain: D: PDB Molecule: matrix protein 2; PDBTitle: influenza a m2 transmembrane domain bound to amantadine
62	c2kqtD_	Alignment	not modelled	6.3	45	PDB header: transport protein Chain: D: PDB Molecule: m2 protein; PDBTitle: solid-state nmr structure of the m2 transmembrane peptide of the2 influenza a virus in dmpc lipid bilayers bound to deuterated3 amantadine
63	c6bkkA_	Alignment	not modelled	6.3	45	PDB header: membrane protein Chain: A: PDB Molecule: matrix protein 2; PDBTitle: influenza a m2 transmembrane domain bound to amantadine
64	c6bmzG_	Alignment	not modelled	6.3	45	PDB header: membrane protein Chain: G: PDB Molecule: matrix protein 2; PDBTitle: influenza a m2 transmembrane domain bound to a spiroadamantane2 inhibitor
65	c2kqtC_	Alignment	not modelled	6.3	45	PDB header: transport protein Chain: C: PDB Molecule: m2 protein; PDBTitle: solid-state nmr structure of the m2 transmembrane peptide of the2 influenza a virus in dmpc lipid bilayers bound to deuterated3 amantadine
66	c1mp6A_	Alignment	not modelled	6.3	45	PDB header: membrane protein Chain: A: PDB Molecule: matrix protein m2; PDBTitle: structure of the transmembrane region of the m2 protein h+2 channel by solid state nmr spectroscopy
67	c4qk7A_	Alignment	not modelled	6.3	45	PDB header: viral protein Chain: A: PDB Molecule: influenza m2 monomer; PDBTitle: influenza a m2 wild type tm domain at high ph in the lipidic cubic2 phase under cryo diffraction conditions
68	c1nyjD_	Alignment	not modelled	6.3	45	PDB header: viral protein Chain: D: PDB Molecule: matrix protein m2; PDBTitle: the closed state structure of m2 protein h+ channel by2 solid state nmr spectroscopy
69	c2kqtA_	Alignment	not modelled	6.3	45	PDB header: transport protein Chain: A: PDB Molecule: m2 protein; PDBTitle: solid-state nmr structure of the m2 transmembrane peptide of the2 influenza a virus in dmpc lipid bilayers bound to deuterated3 amantadine
70	c4qkmA_	Alignment	not modelled	6.3	45	PDB header: viral protein Chain: A: PDB Molecule: influenza m2 monomer; PDBTitle: influenza a m2 wild type tm domain at low ph in the lipidic cubic2 phase under room temperature diffraction conditions
71	c6bocB_	Alignment	not modelled	6.3	45	PDB header: membrane protein Chain: B: PDB Molecule: matrix protein 2; PDBTitle: influenza a m2 transmembrane domain bound to rimantadine in the2 inward(open) conformation
72	c6bkkG_	Alignment	not modelled	6.3	45	PDB header: membrane protein Chain: G: PDB Molecule: matrix protein 2; PDBTitle: influenza a m2 transmembrane domain bound to amantadine
73	c5c8j_	Alignment	not modelled	6.3	19	PDB header: membrane protein Chain: J: PDB Molecule: protein mj0480; PDBTitle: a yidc-like protein in the archaeal plasma membrane
74	c2ljcA_	Alignment	not modelled	5.9	45	PDB header: transport protein/inhibitor Chain: A: PDB Molecule: m2 protein, bm2 protein chimera; PDBTitle: structure of the influenza am2-bm2 chimeric channel bound to2 rimantadine
75	c5mk5A_	Alignment	not modelled	5.8	21	PDB header: hydrolase Chain: A: PDB Molecule: bloom syndrome protein; PDBTitle: structures of dhn domain of human blm helicase
76	c1jb0M_	Alignment	not modelled	5.6	18	PDB header: photosynthesis Chain: M: PDB Molecule: photosystem 1 reaction centre subunit xii; PDBTitle: crystal structure of photosystem i: a photosynthetic reaction center2 and core antenna system from cyanobacteria