
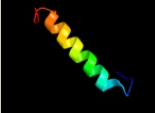
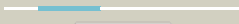
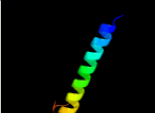
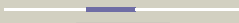


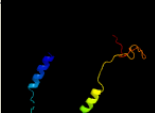



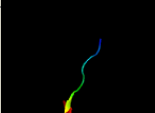

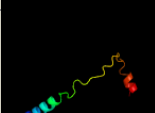

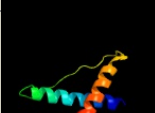



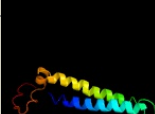

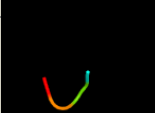


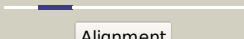
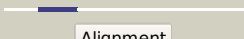
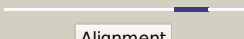
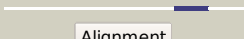

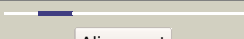
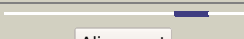

Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD1343c_(lprD)_1508549_1508929
Date	Wed Jul 31 22:05:44 BST 2019
Unique Job ID	4e4fb0083d48312e

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c2mc7A_	 Alignment		68.1	41	PDB header: membrane protein Chain: A: PDB Molecule: regulatory peptide; PDBTitle: structure of salmonella mgtr
2	c1zzaA_	 Alignment		34.1	34	PDB header: membrane protein Chain: A: PDB Molecule: stannin; PDBTitle: solution nmr structure of the membrane protein stannin
3	d1ehkb2	 Alignment		18.1	18	Fold: Transmembrane helix hairpin Superfamily: Cytochrome c oxidase subunit II-like, transmembrane region Family: Cytochrome c oxidase subunit II-like, transmembrane region
4	c6nbxG_	 Alignment		17.7	17	PDB header: oxidoreductase Chain: G: PDB Molecule: nadh-quinone oxidoreductase subunit j; PDBTitle: t.elongatus ndh (data-set 2)
5	c3o0rC_	 Alignment		16.5	20	PDB header: immune system/oxidoreductase Chain: C: PDB Molecule: nitric oxide reductase subunit c; PDBTitle: crystal structure of nitric oxide reductase from pseudomonas2 aeruginosa in complex with antibody fragment
6	c4qrlA_	 Alignment		14.6	38	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: hypothetical protein; PDBTitle: crystal structure of a lipocalin-like protein (bacuni_01346) from2 bacteroides uniformis atcc 8492 at 1.79 a resolution
7	c6humG_	 Alignment		14.2	15	PDB header: proton transport Chain: G: PDB Molecule: nadh dehydrogenase subunit 6; PDBTitle: structure of the photosynthetic complex i from thermosynechococcus2 elongatus
8	c3j5pB_	 Alignment		13.3	15	PDB header: transport protein Chain: B: PDB Molecule: transient receptor potential cation channel subfamily v PDBTitle: structure of trpv1 ion channel determined by single particle electron2 cryo-microscopy
9	c1q0vA_	 Alignment		12.2	13	PDB header: transport binding Chain: A: PDB Molecule: hydrophilic protein; has cysteine rich putative PDBTitle: solution structure of tandem uims of vps27
10	c6hwhX_	 Alignment		12.0	16	PDB header: electron transport Chain: X: PDB Molecule: cytochrome c oxidase polypeptide 4; PDBTitle: structure of a functional obligate respiratory supercomplex from2 mycobacterium smegmatis
11	c2z2tF_	 Alignment		10.0	60	PDB header: viral protein/inhibitor Chain: F: PDB Molecule: fusion inhibitor peptide sc34ek; PDBTitle: crystal structure of the complex between gp41 fragment n362 and fusion inhibitor sc34ek

12	c6nr2A_		Alignment		9.9	13	PDB header: transport protein Chain: A: PDB Molecule: transient receptor potential cation channel subfamily m PDBTitle: cryo-em structure of the trpm8 ion channel in complex with the menthol2 analog ws-12 and pi(4,5)p2
13	c6nr2B_		Alignment		9.9	13	PDB header: transport protein Chain: B: PDB Molecule: transient receptor potential cation channel subfamily m PDBTitle: cryo-em structure of the trpm8 ion channel in complex with the menthol2 analog ws-12 and pi(4,5)p2
14	c6nr2D_		Alignment		9.9	13	PDB header: transport protein Chain: D: PDB Molecule: transient receptor potential cation channel subfamily m PDBTitle: cryo-em structure of the trpm8 ion channel in complex with the menthol2 analog ws-12 and pi(4,5)p2
15	c6nr2C_		Alignment		9.9	13	PDB header: transport protein Chain: C: PDB Molecule: transient receptor potential cation channel subfamily m PDBTitle: cryo-em structure of the trpm8 ion channel in complex with the menthol2 analog ws-12 and pi(4,5)p2
16	c2lx0A_		Alignment		9.8	21	PDB header: membrane protein Chain: A: PDB Molecule: membrane fusion protein p14; PDBTitle: arced helix (arch) nmr structure of the reovirus p14 fusion-associated2 small transmembrane (fast) protein transmembrane domain (tmd) in3 dodecyl phosphocholine (dpc) micelles
17	c6humP_		Alignment		8.7	30	PDB header: proton transport Chain: P: PDB Molecule: proton-translocating nadh-quinone dehydrogenase subunit p PDBTitle: structure of the photosynthetic complex i from thermosynechococcus2 elongatus
18	c6hwhB_		Alignment		8.3	24	PDB header: electron transport Chain: B: PDB Molecule: ubiquinol-cytochrome c reductase iron-sulfur subunit; PDBTitle: structure of a functional obligate respiratory supercomplex from2 mycobacterium smegmatis
19	c3oxqF_		Alignment		7.9	20	PDB header: metal binding protein/transport protein Chain: F: PDB Molecule: voltage-dependent l-type calcium channel subunit alpha-1c; PDBTitle: crystal structure of ca2+/cam-cav1.2 pre-iq/iq domain complex
20	c4gn0D_		Alignment		7.3	11	PDB header: signaling protein Chain: D: PDB Molecule: hamp domain of af1503; PDBTitle: de novo phasing of a hamp-complex using an improved arcimboldo method
21	c5bypA_		Alignment	not modelled	7.0	36	PDB header: unknown function Chain: A: PDB Molecule: putative uncharacterized protein; PDBTitle: crystal structure of an uncharacterized protein (bacegg_01585) from2 bacteroides eggerthii dsm 20697 at 2.60 a resolution
22	d1eysh2		Alignment	not modelled	6.8	26	Fold: Single transmembrane helix Superfamily: Photosystem II reaction centre subunit H, transmembrane region Family: Photosystem II reaction centre subunit H, transmembrane region
23	c2l64A_		Alignment	not modelled	6.7	46	PDB header: hormone Chain: A: PDB Molecule: glucagon-like peptide 2; PDBTitle: nmr solution structure of glp-2 in dhpc micelles
24	c2b2hA_		Alignment	not modelled	6.7	23	PDB header: transport protein Chain: A: PDB Molecule: ammonium transporter; PDBTitle: ammonium transporter amt-1 from a. fulgidus (as)
25	c5ubkA_		Alignment	not modelled	6.3	33	PDB header: hydrolase Chain: A: PDB Molecule: acyl-homoserine lactone acylase pvdq; PDBTitle: inactive s1a/n269d-cppvq mutant in complex with the pyoverdine2 precursor pvdq reveals a specific binding pocket for the d-tyr of3 this substrate
26	c6mplA_		Alignment	not modelled	6.1	25	PDB header: membrane protein Chain: A: PDB Molecule: matrix protein 2; PDBTitle: racemic m2-tm i39a crystallized from racemic detergent
27	c4kppA_		Alignment	not modelled	6.1	10	PDB header: membrane protein Chain: A: PDB Molecule: putative uncharacterized protein; PDBTitle: crystal structure of h+/ca2+ exchanger cax
28	c6omqA_		Alignment	not modelled	5.9	17	PDB header: oxidoreductase Chain: A: PDB Molecule: ptmu3; PDBTitle: crystal structure of ptmu3 complexed with ptm substrate

29	c2voyB_	 Alignment	not modelled	5.9	29	PDB header: hydrolase Chain: B: PDB Molecule: sarcoplasmic/endoplasmic reticulum calcium atpase 1; PDBTitle: cryoem model of copa, the copper transporting atpase from2 archaeoglobus fulgidus
30	c6hu9u_	 Alignment	not modelled	5.8	26	PDB header: oxidoreductase/electron transport Chain: U: PDB Molecule: cytochrome b-c1 complex subunit 10; PDBTitle: iii2-iv2 mitochondrial respiratory supercomplex from s. cerevisiae
31	d3efza1	 Alignment	not modelled	5.8	33	Fold: alpha-alpha superhelix Superfamily: 14-3-3 protein Family: 14-3-3 protein
32	c3efzA_	 Alignment	not modelled	5.8	33	PDB header: signaling protein Chain: A: PDB Molecule: 14-3-3 protein; PDBTitle: crystal structure of a 14-3-3 protein from cryptosporidium parvum2 (cgd1_2980)
33	c4heal_	 Alignment	not modelled	5.7	23	PDB header: oxidoreductase Chain: J: PDB Molecule: nadh-quinone oxidoreductase subunit 10; PDBTitle: crystal structure of the entire respiratory complex i from thermus2 thermophilus
34	c2bcxB_	 Alignment	not modelled	5.3	22	PDB header: calcium binding protein Chain: B: PDB Molecule: ryanodine receptor 1; PDBTitle: crystal structure of calmodulin in complex with a ryanodine receptor2 peptide
35	c6bn1B_	 Alignment	not modelled	5.3	29	PDB header: signaling protein Chain: B: PDB Molecule: scaffold protein salvador; PDBTitle: salvador hippo sarah domain complex
36	c1eysH_	 Alignment	not modelled	5.1	26	PDB header: electron transport Chain: H: PDB Molecule: photosynthetic reaction center; PDBTitle: crystal structure of photosynthetic reaction center from a2 thermophilic bacterium, thermochromatium tepidum