


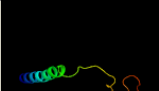











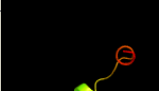






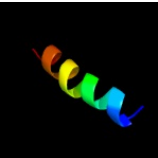

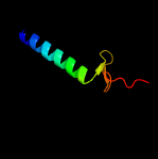
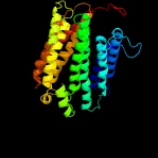




Phyre2

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Description	RVBD0228 (-) _273055_274278
Date	Tue Jul 23 14:50:28 BST 2019
Unique Job ID	f630ccb56a80594a

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c4djiA_	 Alignment		50.3	11	PDB header: transport protein Chain: A; PDB Molecule: probable glutamate/gamma-aminobutyrate antiporter; PDBTitle: structure of glutamate-gaba antiporter gadc
2	c6cflw_	 Alignment		39.9	14	PDB header: membrane protein Chain: I; PDB Molecule: mbh subunit; PDBTitle: cryoem structure of a respiratory membrane-bound hydrogenase
3	c2kncA_	 Alignment		32.0	17	PDB header: cell adhesion Chain: A; PDB Molecule: integrin alpha-iiB; PDBTitle: platelet integrin alphaIIb-beta3 transmembrane-cytoplasmic2 heterocomplex
4	c6mjpF_	 Alignment		23.6	12	PDB header: lipid transport Chain: F; PDB Molecule: fig000988: predicted permease; PDBTitle: lptb(e163q)fgc from vibrio cholerae
5	d1y6ia2	 Alignment		22.0	23	Fold: GUN4-like Superfamily: GUN4-like Family: GUN4-like
6	c2wwbB_	 Alignment		20.2	11	PDB header: ribosome Chain: B; PDB Molecule: protein transport protein sec61 subunit gamma; PDBTitle: cryo-em structure of the mammalian sec61 complex bound to the actively2 translating wheat germ 80s ribosome
7	c1f8vA_	 Alignment		20.0	22	PDB header: virus/rna Chain: A; PDB Molecule: mature capsid protein beta; PDBTitle: the structure of pariacoto virus reveals a dodecahedral cage of duplex2 rna
8	c2f9jP_	 Alignment		19.1	32	PDB header: rna binding protein Chain: P; PDB Molecule: splicing factor 3b subunit 1; PDBTitle: 3.0 angstrom resolution structure of a y22m mutant of the spliceosomal2 protein p14 bound to a region of sf3b155
9	c4gn0D_	 Alignment		12.1	9	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
10	d2oara1	 Alignment		11.9	26	Fold: Gated mechanosensitive channel Superfamily: Gated mechanosensitive channel Family: Gated mechanosensitive channel
11	c2oarA_	 Alignment		10.3	26	PDB header: membrane protein Chain: A; PDB Molecule: large-conductance mechanosensitive channel; PDBTitle: mechanosensitive channel of large conductance (mscl)

12	d1rhzb_	Alignment		8.5	17	Fold: Single transmembrane helix Superfamily: Preprotein translocase SecE subunit Family: Preprotein translocase SecE subunit
13	c5jefA_	Alignment		8.4	9	PDB header: transferase Chain: A: PDB Molecule: nitrate/nitrite sensor protein narq; PDBTitle: fragment of nitrate/nitrite sensor histidine kinase narq (wt) in2 asymmetric holo state
14	c2k1aA_	Alignment		7.1	24	PDB header: cell adhesion Chain: A: PDB Molecule: integrin alpha-iib; PDBTitle: bicelle-embedded integrin alpha(iib) transmembrane segment
15	c3aygA_	Alignment		6.5	12	PDB header: oxidoreductase Chain: A: PDB Molecule: nitric oxide reductase; PDBTitle: crystal structure of nitric oxide reductase complex with hqno
16	d1z3xa2	Alignment		6.0	27	Fold: GUN4-like Superfamily: GUN4-like Family: GUN4-like
17	d1w6ka2	Alignment		5.5	25	Fold: alpha/alpha toroid Superfamily: Terpenoid cyclases/Protein prenyltransferases Family: Terpene synthases

18 [c2kogA](#)

Alignment



5.3

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PDB header:membrane protein

Chain: A: **PDB Molecule:**vesicle-associated membrane protein 2;

PDBTitle: lipid-bound synaptobrevin solution nmr structure