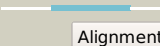
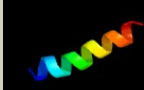
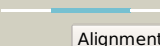

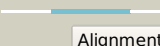



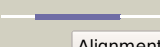

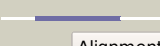
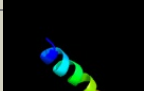
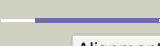

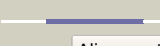









Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD0236A (-) _286898_287071
Date	Tue Jul 23 14:50:29 BST 2019
Unique Job ID	2a0baa4a253fc6e4

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c2k1A_	 Alignment		30.9	45	PDB header: signaling protein Chain: A; PDB Molecule: ephrin type-a receptor 1; PDBTitle: nmr structures of dimeric transmembrane domain of the2 receptor tyrosine kinase epha1 in lipid bicelles at ph 6.3
2	c2k1kB_	 Alignment		30.9	45	PDB header: signaling protein Chain: B; PDB Molecule: ephrin type-a receptor 1; PDBTitle: nmr structures of dimeric transmembrane domain of the2 receptor tyrosine kinase epha1 in lipid bicelles at ph 4.3
3	c2k1kA_	 Alignment		30.9	45	PDB header: signaling protein Chain: A; PDB Molecule: ephrin type-a receptor 1; PDBTitle: nmr structures of dimeric transmembrane domain of the2 receptor tyrosine kinase epha1 in lipid bicelles at ph 4.3
4	c2k1lB_	 Alignment		30.9	45	PDB header: signaling protein Chain: B; PDB Molecule: ephrin type-a receptor 1; PDBTitle: nmr structures of dimeric transmembrane domain of the2 receptor tyrosine kinase epha1 in lipid bicelles at ph 6.3
5	d1q90r_	 Alignment		17.0	42	Fold: Single transmembrane helix Superfamily: ISP transmembrane anchor Family: ISP transmembrane anchor
6	c1q90R_	 Alignment		17.0	42	PDB header: photosynthesis Chain: R; PDB Molecule: cytochrome b6-f complex iron-sulfur subunit; PDBTitle: structure of the cytochrome b6f (plastohydroquinone : plastocyanin2 oxidoreductase) from chlamydomonas reinhardtii
7	c4cdiC_	 Alignment		16.9	24	PDB header: membrane protein Chain: C; PDB Molecule: predicted protein; PDBTitle: crystal structure of acrb-acrz complex
8	c2jwaA_	 Alignment		15.3	42	PDB header: transferase Chain: A; PDB Molecule: receptor tyrosine-protein kinase erbB-2; PDBTitle: erbB2 transmembrane segment dimer spatial structure
9	c2ks1A_	 Alignment		15.3	42	PDB header: transferase Chain: A; PDB Molecule: receptor tyrosine-protein kinase erbB-2; PDBTitle: heterodimeric association of transmembrane domains of erbB1 and erbB2 receptors enabling kinase activation
10	c4etrA_	 Alignment		14.8	53	PDB header: unknown function Chain: A; PDB Molecule: putative uncharacterized protein; PDBTitle: x-ray structure of pa2169 from pseudomonas aeruginosa
11	c2lp1A_	 Alignment		11.2	31	PDB header: membrane protein Chain: A; PDB Molecule: c99; PDBTitle: the solution nmr structure of the transmembrane c-terminal domain of2 the amyloid precursor protein (c99)

12	c4xypA_	Alignment		10.4	46	PDB header: viral protein Chain: A: PDB Molecule: fusion protein; PDBTitle: crystal structure of a piscine viral fusion protein
13	dlr7ma1	Alignment		9.0	29	Fold: Homing endonuclease-like Superfamily: Homing endonucleases Family: Group I mobile intron endonuclease
14	c2k9pA_	Alignment		8.7	26	PDB header: membrane protein Chain: A: PDB Molecule: pheromone alpha factor receptor; PDBTitle: structure of tm1_tm2 in lppg micelles
15	c1r7mA_	Alignment		7.7	29	PDB header: hydrolase/dna Chain: A: PDB Molecule: intron-encoded endonuclease i-scei; PDBTitle: the homing endonuclease i-scei bound to its dna recognition2 region
16	c1jb0K_	Alignment		7.2	38	PDB header: photosynthesis Chain: K: PDB Molecule: photosystem 1 reaction centre subunit x; PDBTitle: crystal structure of photosystem i: a photosynthetic reaction center2 and core antenna system from cyanobacteria
17	d1jb0k_	Alignment		7.2	38	Fold: Photosystem I reaction center subunit X, PsaK Superfamily: Photosystem I reaction center subunit X, PsaK Family: Photosystem I reaction center subunit X, PsaK
18	c3q7cA_	Alignment		6.6	33	PDB header: hydrolase Chain: A: PDB Molecule: nucleoprotein; PDBTitle: exonuclease domain of lassa virus nucleoprotein bound to manganese
19	c2k8pA_	Alignment		6.5	30	PDB header: signaling protein Chain: A: PDB Molecule: sclerostin; PDBTitle: characterisation of the structural features and2 interactions of sclerostin: molecular insight into a key3 regulator of wnt-mediated bone formation
20	d1h41a2	Alignment		6.2	15	Fold: Zincin-like Superfamily: beta-N-acetylhexosaminidase-like domain Family: alpha-D-glucuronidase, N-terminal domain
21	c6ehrE_	Alignment	not modelled	6.1	20	PDB header: signaling protein Chain: E: PDB Molecule: ragulator complex protein lamtor1; PDBTitle: the crystal structure of the human lamtor-raga ctd-ragc ctd complex
22	c4rfsS_	Alignment	not modelled	5.5	28	PDB header: hydrolase, transport protein Chain: S: PDB Molecule: substrate binding prtein s; PDBTitle: structure of a pantothenate energy coupling factor transporter
23	c4k7eA_	Alignment	not modelled	5.2	55	PDB header: viral protein Chain: A: PDB Molecule: nucleoprotein; PDBTitle: crystal structure of junin virus nucleoprotein