








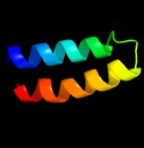



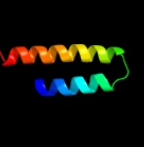





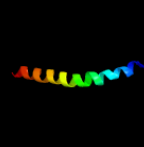

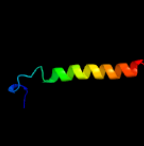


Phyre2

Email mdejesus@rockefeller.edu
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 Date Tue Jul 23 14:50:12 BST 2019
 Unique Job ID ccf4b6b4e0952821

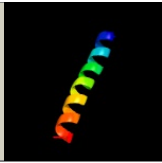
Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c4heaK_	 Alignment		98.6	17	PDB header: oxidoreductase Chain: K; PDB Molecule: nadh-quinone oxidoreductase subunit 11; PDBTitle: crystal structure of the entire respiratory complex i from thermus2 thermophilus
2	c6humE_	 Alignment		98.5	13	PDB header: proton transport Chain: E; PDB Molecule: nad(p)h-quinone oxidoreductase subunit 4l; PDBTitle: structure of the photosynthetic complex i from thermosynechococcus2 elongatus
3	c3rkoK_	 Alignment		98.3	17	PDB header: oxidoreductase Chain: K; PDB Molecule: nadh-quinone oxidoreductase subunit k; PDBTitle: crystal structure of the membrane domain of respiratory complex i from2 e. coli at 3.0 angstrom resolution
4	c6cfwG_	 Alignment		98.1	18	PDB header: membrane protein Chain: G; PDB Molecule: monovalent cation/h+ antiporter subunit c; PDBTitle: cryoem structure of a respiratory membrane-bound hydrogenase
5	c6gcsL_	 Alignment		62.3	8	PDB header: oxidoreductase Chain: L; PDB Molecule: nd4l subunit (nulm); PDBTitle: cryo-em structure of respiratory complex i from yarrowia lipolytica
6	c5ldwM_	 Alignment		60.3	8	PDB header: oxidoreductase Chain: M; PDB Molecule: nadh-ubiquinone oxidoreductase chain 4; PDBTitle: structure of mammalian respiratory complex i, class1
7	c6cfwD_	 Alignment		40.0	29	PDB header: membrane protein Chain: D; PDB Molecule: mbh subunit; PDBTitle: cryoem structure of a respiratory membrane-bound hydrogenase
8	c5us5B_	 Alignment		25.2	27	PDB header: structural genomics Chain: B; PDB Molecule: upf0297 protein ef_1202; PDBTitle: solution structure of the ireb homodimer
9	c3rkoN_	 Alignment		15.8	14	PDB header: oxidoreductase Chain: N; PDB Molecule: nadh-quinone oxidoreductase subunit n; PDBTitle: crystal structure of the membrane domain of respiratory complex i from2 e. coli at 3.0 angstrom resolution
10	c2jp3A_	 Alignment		11.9	3	PDB header: transcription Chain: A; PDB Molecule: fxyd domain-containing ion transport regulator 4; PDBTitle: solution structure of the human fxyd4 (chif) protein in sds2 micelles
11	c2jo1A_	 Alignment		11.5	12	PDB header: hydrolase regulator Chain: A; PDB Molecule: phospholemman; PDBTitle: structure of the na,k-atpase regulatory protein fxyd1 in2 micelles

12	c3rkoM_	Alignment		11.2	13	<p>PDB header:oxidoreductase Chain: M; PDB Molecule:nadh-quinone oxidoreductase subunit m; PDBTitle: crystal structure of the membrane domain of respiratory complex i from2 e. coli at 3.0 angstrom resolution</p>
13	c4pdeA_	Alignment		8.9	17	<p>PDB header:hydrolase Chain: A; PDB Molecule:protein fdhd; PDBTitle: crystal structure of fdhd in complex with gdp</p>
14	c2mkvA_	Alignment		8.6	16	<p>PDB header:transport protein Chain: A; PDB Molecule:sodium/potassium-transporting atpase subunit gamma; PDBTitle: structure of the na,k-atpase regulatory protein fxyd2b in micelles</p>
15	c6humD_	Alignment		7.7	9	<p>PDB header:proton transport Chain: D; PDB Molecule:nad(p)h-quinone oxidoreductase chain 4 1; PDBTitle: structure of the photosynthetic complex i from thermosynechococcus2 elongatus</p>
16	c4heaT_	Alignment		7.6	9	<p>PDB header:oxidoreductase Chain: T; PDB Molecule:nadh-quinone oxidoreductase subunit 12; PDBTitle: crystal structure of the entire respiratory complex i from thermus2 thermophilus</p>

17 [c2n2aA](#)

Alignment



5.1

28

PDB header:membrane protein
Chain: A: **PDB Molecule:**receptor tyrosine-protein kinase erbb-2;
PDBTitle: spatial structure of her2/erb2 dimeric transmembrane domain in the presence of cytoplasmic jxtamembrane domains