Phyre2

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Description	RVBD2729c_(-)_3041580_3042485
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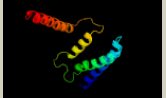
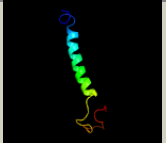
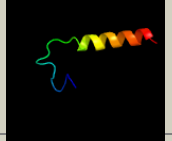
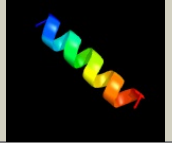
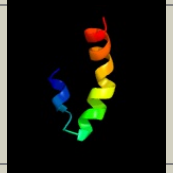
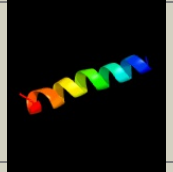
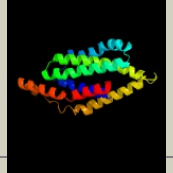
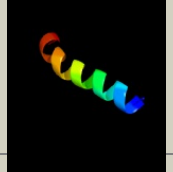
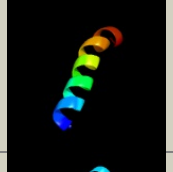
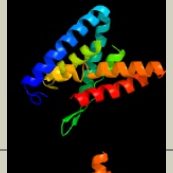
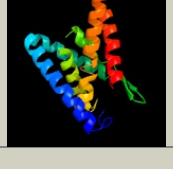
Unique Job ID	b6736830df27cb61

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c5i20E_	Alignment		100.0	16	**PDB header:**membrane protein **Chain:** E: **PDB Molecule:**uncharacterized protein; **PDBTitle:** crystal structure of protein
2	c5i20C_	Alignment		100.0	15	**PDB header:**membrane protein **Chain:** C: **PDB Molecule:**uncharacterized protein; **PDBTitle:** crystal structure of protein
3	c6oh2A_	Alignment		100.0	12	**PDB header:**transport protein **Chain:** A: **PDB Molecule:**cmp-sialic acid transporter; **PDBTitle:** x-ray crystal structure of the mouse cmp-sialic acid transporter in2 complex with cmp, by lipidic cubic phase
4	c5ogeE_	Alignment		100.0	13	**PDB header:**membrane protein **Chain:** E: **PDB Molecule:**gdp-mannose transporter 1; **PDBTitle:** crystal structure of a nucleotide sugar transporter
5	c6i1rA_	Alignment		100.0	12	**PDB header:**membrane protein **Chain:** A: **PDB Molecule:**cmp-sialic acid transporter 1; **PDBTitle:** crystal structure of cmp bound cst in an outward facing conformation
6	c5y79A_	Alignment		99.9	10	**PDB header:**transport protein **Chain:** A: **PDB Molecule:**putative hexose phosphate translocator; **PDBTitle:** crystal structure of the triose-phosphate/phosphate translocator in2 complex with 3-phosphoglycerate
7	d1s7ba_	Alignment		97.7	19	**Fold:**Multidrug resistance efflux transporter EmrE **Superfamily:**Multidrug resistance efflux transporter EmrE **Family:**Multidrug resistance efflux transporter EmrE
8	c6nbxG_	Alignment		15.4	12	**PDB header:**oxidoreductase **Chain:** G: **PDB Molecule:**nadh-quinone oxidoreductase subunit j; **PDBTitle:** t.elongatus ndh (data-set 2)
9	c2i68B_	Alignment		14.6	15	**PDB header:**transport protein **Chain:** B: **PDB Molecule:**protein emre; **PDBTitle:** cryo-em based theoretical model structure of transmembrane2 domain of the multidrug-resistance antiporter from e. coli3 emre
10	c6hwhb_	Alignment		11.5	19	**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
11	c3a0hL_	Alignment		7.5	33	**PDB header:**electron transport **Chain:** L: **PDB Molecule:**photosystem ii reaction center protein l; **PDBTitle:** crystal structure of i-substituted photosystem ii complex

12	c3a0hl_	Alignment		7.5	33	**PDB header:**electron transport **Chain:** L: **PDB Molecule:**photosystem ii reaction center protein l; **PDBTitle:** crystal structure of i-substituted photosystem ii complex
13	c2lp1A_	Alignment		6.8	21	**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)
14	c3a0bl_	Alignment		5.9	27	**PDB header:**electron transport **Chain:** L: **PDB Molecule:**photosystem ii reaction center protein l; **PDBTitle:** crystal structure of br-substituted photosystem ii complex
15	c3a0bL_	Alignment		5.9	27	**PDB header:**electron transport **Chain:** L: **PDB Molecule:**photosystem ii reaction center protein l; **PDBTitle:** crystal structure of br-substituted photosystem ii complex
16	c3o7pA_	Alignment		5.3	5	**PDB header:**transport protein **Chain:** A: **PDB Molecule:**l-fucose-proton symporter; **PDBTitle:** crystal structure of the e.coli fucose:proton symporter, fucp (n162a)
17	c4pj0L_	Alignment		5.3	29	**PDB header:**oxidoreductase, electron transport **Chain:** L: **PDB Molecule:**photosystem ii reaction center protein l; **PDBTitle:** structure of t.elongatus photosystem ii, rows of dimers crystal2 packing
18	c4pj0l_	Alignment		5.3	29	**PDB header:**oxidoreductase, electron transport **Chain:** L: **PDB Molecule:**photosystem ii reaction center protein l; **PDBTitle:** structure of t.elongatus photosystem ii, rows of dimers crystal2 packing
19	c4m5bA_	Alignment		5.3	13	**PDB header:**membrane protein **Chain:** A: **PDB Molecule:**cobalamin biosynthesis protein cbim; **PDBTitle:** crystal structure of an truncated transition metal transporter
20	c4m5cA_	Alignment		5.3	13	**PDB header:**membrane protein **Chain:** A: **PDB Molecule:**cobalamin biosynthesis protein cbim; **PDBTitle:** crystal structure of an truncated transition metal transporter
21	c1s5lL_	Alignment	not modelled	5.2	29	**PDB header:**photosynthesis **Chain:** L: **PDB Molecule:**photosystem ii reaction center l protein; **PDBTitle:** architecture of the photosynthetic oxygen evolving center
22	c4tnhL_	Alignment	not modelled	5.2	29	**PDB header:**electron transport,photosynthesis **Chain:** L: **PDB Molecule:**photosystem ii reaction center protein l; **PDBTitle:** rt xfel structure of photosystem ii in the dark state at 4.9 a2 resolution
23	c3kziL_	Alignment	not modelled	5.2	29	**PDB header:**electron transport **Chain:** L: **PDB Molecule:**photosystem ii reaction center protein l; **PDBTitle:** crystal structure of monomeric form of cyanobacterial photosystem ii
24	c3prqL_	Alignment	not modelled	5.2	29	**PDB header:**photosynthesis **Chain:** L: **PDB Molecule:**photosystem ii reaction center protein l; **PDBTitle:** crystal structure of cyanobacterial photosystem ii in complex with2 terbutryn (part 1 of 2). this file contains first monomer of psii3 dimer
25	c3wu2l_	Alignment	not modelled	5.2	29	**PDB header:**electron transport, photosynthesis **Chain:** L: **PDB Molecule:**photosystem ii reaction center protein l; **PDBTitle:** crystal structure analysis of photosystem ii complex
26	c3wu2L_	Alignment	not modelled	5.2	29	**PDB header:**electron transport, photosynthesis **Chain:** L: **PDB Molecule:**photosystem ii reaction center protein l; **PDBTitle:** crystal structure analysis of photosystem ii complex
27	c4tnjL_	Alignment	not modelled	5.2	29	**PDB header:**electron transport,photosynthesis **Chain:** L: **PDB Molecule:**photosystem ii reaction center protein l; **PDBTitle:** rt xfel structure of photosystem ii 500 ms after the 2nd illumination2 (2f) at 4.5 a resolution
28	c1s5ll_	Alignment	not modelled	5.2	29	**PDB header:**photosynthesis **Chain:** L: **PDB Molecule:**photosystem ii reaction center l protein; **PDBTitle:** architecture of the photosynthetic oxygen evolving center

29	c4tnkl_	Alignment	not modelled	5.2	29	**PDB header:**electron transport,photosynthesis **Chain:** L: **PDB Molecule:**photosystem ii reaction center protein l; **PDBTitle:** rt xfel structure of photosystem ii 250 microsec after the third2 illumination at 5.2 a resolution
30	c4tnjl_	Alignment	not modelled	5.2	29	**PDB header:**electron transport,photosynthesis **Chain:** L: **PDB Molecule:**photosystem ii reaction center protein l; **PDBTitle:** rt xfel structure of photosystem ii 500 ms after the 2nd illumination2 (2f) at 4.5 a resolution
31	c4tnil_	Alignment	not modelled	5.2	29	**PDB header:**electron transport,photosynthesis **Chain:** L: **PDB Molecule:**photosystem ii reaction center protein l; **PDBTitle:** rt xfel structure of photosystem ii 500 ms after the third2 illumination at 4.6 a resolution
32	c4rvyl_	Alignment	not modelled	5.2	29	**PDB header:**oxidoreductase **Chain:** L: **PDB Molecule:**photosystem ii reaction center protein l; **PDBTitle:** serial time resolved crystallography of photosystem ii using a2 femtosecond x-ray laser. the s state after two flashes (s3)
33	c4fbyL_	Alignment	not modelled	5.2	29	**PDB header:**photosynthesis **Chain:** L: **PDB Molecule:**photosystem ii reaction center protein l; **PDBTitle:** fs x-ray diffraction of photosystem ii
34	c3bz2L_	Alignment	not modelled	5.2	29	**PDB header:**electron transport **Chain:** L: **PDB Molecule:**photosystem ii reaction center protein l; **PDBTitle:** crystal structure of cyanobacterial photosystem ii (part 2 of 2). this2 file contains second monomer of psii dimer
35	c2axtl_	Alignment	not modelled	5.2	29	**PDB header:**electron transport **Chain:** L: **PDB Molecule:**photosystem ii reaction center l protein; **PDBTitle:** crystal structure of photosystem ii from thermosynechococcus elongatus
36	c4ixqL_	Alignment	not modelled	5.2	29	**PDB header:**photosynthesis **Chain:** L: **PDB Molecule:**photosystem ii reaction center protein l; **PDBTitle:** rt fs x-ray diffraction of photosystem ii, dark state
37	c3prrL_	Alignment	not modelled	5.2	29	**PDB header:**photosynthesis **Chain:** L: **PDB Molecule:**photosystem ii reaction center protein l; **PDBTitle:** crystal structure of cyanobacterial photosystem ii in complex with2 terbutryn (part 2 of 2). this file contains second monomer of psii3 dimer
38	c4tniL_	Alignment	not modelled	5.2	29	**PDB header:**electron transport,photosynthesis **Chain:** L: **PDB Molecule:**photosystem ii reaction center protein l; **PDBTitle:** rt xfel structure of photosystem ii 500 ms after the third2 illumination at 4.6 a resolution
39	c4tnhl_	Alignment	not modelled	5.2	29	**PDB header:**electron transport,photosynthesis **Chain:** L: **PDB Molecule:**photosystem ii reaction center protein l; **PDBTitle:** rt xfel structure of photosystem ii in the dark state at 4.9 a2 resolution
40	c3bz1L_	Alignment	not modelled	5.2	29	**PDB header:**electron transport **Chain:** L: **PDB Molecule:**photosystem ii reaction center protein l; **PDBTitle:** crystal structure of cyanobacterial photosystem ii (part 1 of 2). this2 file contains first monomer of psii dimer
41	d2axtl1	Alignment	not modelled	5.2	29	**Fold:**Single transmembrane helix **Superfamily:**Photosystem II reaction center protein L, PsbL **Family:**PsbL-like
42	c4il6l_	Alignment	not modelled	5.2	29	**PDB header:**electron transport **Chain:** L: **PDB Molecule:**photosystem ii reaction center protein l; **PDBTitle:** structure of sr-substituted photosystem ii
43	c3arcL_	Alignment	not modelled	5.2	29	**PDB header:**electron transport, photosynthesis **Chain:** L: **PDB Molecule:**photosystem ii reaction center protein l; **PDBTitle:** crystal structure of oxygen-evolving photosystem ii at 1.9 angstrom2 resolution
44	c5e7cl_	Alignment	not modelled	5.2	29	**PDB header:**photosynthesis **Chain:** L: **PDB Molecule:**photosystem ii reaction center protein l; **PDBTitle:** macromolecular diffractive imaging using imperfect crystals - bragg2 data
45	c4ub8L_	Alignment	not modelled	5.2	29	**PDB header:**electron transport, photosynthesis **Chain:** L: **PDB Molecule:**photosystem ii reaction center protein l; **PDBTitle:** native structure of photosystem ii (dataset-2) by a femtosecond x-ray2 laser
46	c4ixql_	Alignment	not modelled	5.2	29	**PDB header:**photosynthesis **Chain:** L: **PDB Molecule:**photosystem ii reaction center protein l; **PDBTitle:** rt fs x-ray diffraction of photosystem ii, dark state
47	c2axtL_	Alignment	not modelled	5.2	29	**PDB header:**electron transport **Chain:** L: **PDB Molecule:**photosystem ii reaction center l protein; **PDBTitle:** crystal structure of photosystem ii from thermosynechococcus elongatus
48	c4ixrL_	Alignment	not modelled	5.2	29	**PDB header:**photosynthesis **Chain:** L: **PDB Molecule:**photosystem ii reaction center protein l; **PDBTitle:** rt fs x-ray diffraction of photosystem ii, first illuminated state
49	c4ub8l_	Alignment	not modelled	5.2	29	**PDB header:**electron transport, photosynthesis **Chain:** L: **PDB Molecule:**photosystem ii reaction center protein l; **PDBTitle:** native structure of photosystem ii (dataset-2) by a femtosecond x-ray2 laser
50	c4fbyd_	Alignment	not modelled	5.2	29	**PDB header:**photosynthesis **Chain:** D: **PDB Molecule:**photosystem ii d2 protein; **PDBTitle:** fs x-ray diffraction of photosystem ii
51	c4ixrl_	Alignment	not modelled	5.2	29	**PDB header:**photosynthesis **Chain:** L: **PDB Molecule:**photosystem ii reaction center protein l; **PDBTitle:** rt fs x-ray diffraction of photosystem ii, first illuminated state
52	c4tnkL_	Alignment	not modelled	5.2	29	**PDB header:**electron transport,photosynthesis **Chain:** L: **PDB Molecule:**photosystem ii reaction center protein l; **PDBTitle:** rt xfel structure of photosystem ii 250 microsec after the third2 illumination at 5.2 a resolution
53	c4ub6l_	Alignment	not modelled	5.2	29	**PDB header:**electron transport, photosynthesis **Chain:** L: **PDB Molecule:**photosystem ii reaction center protein l; **PDBTitle:** native structure of photosystem ii (dataset-1) by a femtosecond x-ray2 laser
54	c4rvyL_	Alignment	not modelled	5.2	29	**PDB header:**oxidoreductase **Chain:** L: **PDB Molecule:**photosystem ii reaction center protein l; **PDBTitle:** serial time resolved crystallography of photosystem ii using a2 femtosecond x-ray laser. the s state after two flashes (s3)

55	c5e7cL_	Alignment	not modelled	5.2	29	**PDB header:**photosynthesis **Chain:** L: **PDB Molecule:**photosystem ii reaction center protein l; **PDBTitle:** macromolecular diffractive imaging using imperfect crystals - bragg2 data
56	c4ub6L_	Alignment	not modelled	5.2	29	**PDB header:**electron transport, photosynthesis **Chain:** L: **PDB Molecule:**photosystem ii reaction center protein l; **PDBTitle:** native structure of photosystem ii (dataset-1) by a femtosecond x-ray2 laser