

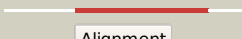






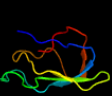

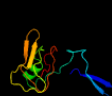


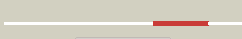


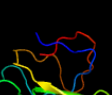




Phyre2

Email mdejesus@rockefeller.edu
 Description RVBD0437c_(psd)_525390_526085
 Date Tue Jul 23 14:50:51 BST 2019
 Unique Job ID 9249badb6d232785

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	d1glaf_	 Alignment		98.4	17	Fold: Barrel-sandwich hybrid Superfamily: Duplicated hybrid motif Family: Glucose permease-like
2	d2gpra_	 Alignment		98.4	16	Fold: Barrel-sandwich hybrid Superfamily: Duplicated hybrid motif Family: Glucose permease-like
3	d2f3ga_	 Alignment		98.3	17	Fold: Barrel-sandwich hybrid Superfamily: Duplicated hybrid motif Family: Glucose permease-like
4	d1gpra_	 Alignment		98.2	13	Fold: Barrel-sandwich hybrid Superfamily: Duplicated hybrid motif Family: Glucose permease-like
5	c2ejgD_	 Alignment		96.4	34	PDB header: ligase Chain: D: PDB Molecule: 149aa long hypothetical methylmalonyl-coa decarboxylase PDBTitle: crystal structure of the biotin protein ligase (mutation r48a) and2 biotin carboxyl carrier protein complex from pyrococcus horikoshii3 ot3
6	c2aukA_	 Alignment		96.0	25	PDB header: transferase Chain: A: PDB Molecule: dna-directed rna polymerase beta' chain; PDBTitle: structure of e. coli rna polymerase beta' g/g' insert
7	c4hnbV_	 Alignment		95.2	11	PDB header: ligase Chain: B: PDB Molecule: pyruvate carboxylase; PDBTitle: crystal structure of r54e mutant of s. aureus pyruvate carboxylase
8	c3n6rK_	 Alignment		95.1	18	PDB header: ligase Chain: K: PDB Molecule: propionyl-coa carboxylase, alpha subunit; PDBTitle: crystal structure of the holoenzyme of propionyl-coa carboxylase (pcc)
9	c2b8gA_	 Alignment		95.0	15	PDB header: biosynthetic protein Chain: A: PDB Molecule: biotin/lipoyl attachment protein; PDBTitle: solution structure of bacillus subtilis blap biotinylated-2 form (energy minimized mean structure)
10	c3hblA_	 Alignment		94.9	15	PDB header: ligase Chain: A: PDB Molecule: pyruvate carboxylase; PDBTitle: crystal structure of s. aureus pyruvate carboxylase t908a mutant
11	c3bg5B_	 Alignment		94.8	15	PDB header: ligase Chain: B: PDB Molecule: pyruvate carboxylase; PDBTitle: crystal structure of staphylococcus aureus pyruvate carboxylase

12	c5vz0D_	Alignment		94.7	17	PDB header: ligase Chain: D: PDB Molecule: pyruvate carboxylase; PDBTitle: crystal structure of lactococcus lactis pyruvate carboxylase g746a2 mutant in complex with cyclic-di-amp
13	d1dcza_	Alignment		94.5	17	Fold: Barrel-sandwich hybrid Superfamily: Single hybrid motif Family: Biotinyl/lipoyl-carrier proteins and domains
14	d1bdoa_	Alignment		94.4	22	Fold: Barrel-sandwich hybrid Superfamily: Single hybrid motif Family: Biotinyl/lipoyl-carrier proteins and domains
15	c4qskB_	Alignment		94.3	18	PDB header: ligase Chain: B: PDB Molecule: pyruvate carboxylase; PDBTitle: crystal structure of l. monocytogenes pyruvate carboxylase in complex2 with cyclic-di-amp
16	c3va7A_	Alignment		94.3	22	PDB header: ligase Chain: A: PDB Molecule: klla0e08119p; PDBTitle: crystal structure of the kluyveromyces lactis urea carboxylase
17	c5ks8D_	Alignment		94.2	23	PDB header: ligase Chain: D: PDB Molecule: pyruvate carboxylase subunit beta; PDBTitle: crystal structure of two-subunit pyruvate carboxylase from2 methylobacillus flagellatus
18	c2ejmA_	Alignment		93.7	18	PDB header: ligase Chain: A: PDB Molecule: methylcrotonyl-coa carboxylase subunit alpha; PDBTitle: solution structure of ruh-072, an apo-biotnyl domain form2 human acetyl coenzyme a carboxylase
19	d1ghja_	Alignment		93.2	21	Fold: Barrel-sandwich hybrid Superfamily: Single hybrid motif Family: Biotinyl/lipoyl-carrier proteins and domains
20	d1iyua_	Alignment		92.9	16	Fold: Barrel-sandwich hybrid Superfamily: Single hybrid motif Family: Biotinyl/lipoyl-carrier proteins and domains
21	c3bg3A_	Alignment	not modelled	92.8	18	PDB header: ligase Chain: A: PDB Molecule: pyruvate carboxylase, mitochondrial; PDBTitle: crystal structure of human pyruvate carboxylase (missing the biotin2 carboxylase domain at the n-terminus)
22	d1laba_	Alignment	not modelled	92.5	22	Fold: Barrel-sandwich hybrid Superfamily: Single hybrid motif Family: Biotinyl/lipoyl-carrier proteins and domains
23	c2l5tA_	Alignment	not modelled	92.3	21	PDB header: transferase Chain: A: PDB Molecule: lipoamide acyltransferase; PDBTitle: solution nmr structure of e2 lipoyl domain from thermoplasma2 acidophilum
24	c5ks8F_	Alignment	not modelled	92.3	21	PDB header: ligase Chain: F: PDB Molecule: pyruvate carboxylase subunit beta; PDBTitle: crystal structure of two-subunit pyruvate carboxylase from2 methylobacillus flagellatus
25	d1k8ma_	Alignment	not modelled	92.1	14	Fold: Barrel-sandwich hybrid Superfamily: Single hybrid motif Family: Biotinyl/lipoyl-carrier proteins and domains
26	c2dn8A_	Alignment	not modelled	92.1	18	PDB header: ligase Chain: A: PDB Molecule: acetyl-coa carboxylase 2; PDBTitle: solution structure of rsgi ruh-053, an apo-biotin carboxy2 carrier protein from human transcarboxylase
27	c3u9sA_	Alignment	not modelled	91.6	22	PDB header: ligase Chain: A: PDB Molecule: methylcrotonyl-coa carboxylase, alpha-subunit; PDBTitle: crystal structure of p. aeruginosa 3-methylcrotonyl-coa carboxylase2 (mcc) 750 kd holoenzyme, coa complex
28	d1o78a_	Alignment	not modelled	91.5	16	Fold: Barrel-sandwich hybrid Superfamily: Single hybrid motif Family: Biotinyl/lipoyl-carrier proteins and domains

29	c3tufB_	Alignment	not modelled	91.4	23	PDB header: signaling protein Chain: B: PDB Molecule: stage ii sporulation protein q; PDBTitle: structure of the spoiii-spoiiiah pore forming complex.
30	c2hsiB_	Alignment	not modelled	91.4	22	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: putative peptidase m23; PDBTitle: crystal structure of putative peptidase m23 from2 pseudomonas aeruginosa, new york structural genomics3 consortium
31	d1qjoa_	Alignment	not modelled	90.4	27	Fold: Barrel-sandwich hybrid Superfamily: Single hybrid motif Family: Biotinyl/lipoyl-carrier proteins and domains
32	c4rcnA_	Alignment	not modelled	90.3	15	PDB header: ligase Chain: A: PDB Molecule: long-chain acyl-coa carboxylase; PDBTitle: structure and function of a single-chain, multi-domain long-chain2 acyl-coa carboxylase
33	d1gjxa_	Alignment	not modelled	89.3	27	Fold: Barrel-sandwich hybrid Superfamily: Single hybrid motif Family: Biotinyl/lipoyl-carrier proteins and domains
34	c2q8iB_	Alignment	not modelled	89.0	26	PDB header: transferase Chain: B: PDB Molecule: dihydrolipoyllysine-residue acetyltransferase component of PDBTitle: pyruvate dehydrogenase kinase isoform 3 in complex with antitumor drug2 radicicol
35	c2kccA_	Alignment	not modelled	89.0	17	PDB header: ligase Chain: A: PDB Molecule: acetyl-coa carboxylase 2; PDBTitle: solution structure of biotinoyl domain from human acetyl-2 coa carboxylase 2
36	d1y8ob1	Alignment	not modelled	88.8	26	Fold: Barrel-sandwich hybrid Superfamily: Single hybrid motif Family: Biotinyl/lipoyl-carrier proteins and domains
37	c3uz0D_	Alignment	not modelled	88.7	25	PDB header: transport protein Chain: D: PDB Molecule: stage ii sporulation protein q; PDBTitle: crystal structure of spoiiiah and spoiii complex
38	c4bh5B_	Alignment	not modelled	86.4	21	PDB header: cell cycle Chain: B: PDB Molecule: murein hydrolase activator envc; PDBTitle: lytm domain of envc, an activator of cell wall amidases in2 escherichia coli
39	c2dncA_	Alignment	not modelled	86.3	18	PDB header: transferase Chain: A: PDB Molecule: pyruvate dehydrogenase protein x component; PDBTitle: solution structure of rsgi ruh-054, a lipoyl domain from2 human 2-oxoacid dehydrogenase
40	d1ci3m2	Alignment	not modelled	86.2	36	Fold: Barrel-sandwich hybrid Superfamily: Rudiment single hybrid motif Family: Cytochrome f, small domain
41	c5kvpA_	Alignment	not modelled	86.0	16	PDB header: hydrolase Chain: A: PDB Molecule: zooцин a endopeptidase; PDBTitle: solution structure of the catalytic domain of zooцин a
42	c5cslA_	Alignment	not modelled	85.2	18	PDB header: ligase Chain: A: PDB Molecule: acetyl-coa carboxylase; PDBTitle: crystal structure of the 500 kd yeast acetyl-coa carboxylase2 holoenzyme dimer
43	c5j1lA_	Alignment	not modelled	84.4	20	PDB header: hydrolase Chain: A: PDB Molecule: toxR-activated gene (tage); PDBTitle: crystal structure of csd1-csd2 dimer i
44	d1e2wa2	Alignment	not modelled	83.8	32	Fold: Barrel-sandwich hybrid Superfamily: Rudiment single hybrid motif Family: Cytochrome f, small domain
45	d1pmra_	Alignment	not modelled	83.7	15	Fold: Barrel-sandwich hybrid Superfamily: Single hybrid motif Family: Biotinyl/lipoyl-carrier proteins and domains
46	c5j1mD_	Alignment	not modelled	83.3	19	PDB header: hydrolase Chain: D: PDB Molecule: toxR-activated gene (tage); PDBTitle: crystal structure of csd1-csd2 dimer ii
47	c2aujD_	Alignment	not modelled	82.7	24	PDB header: transferase Chain: D: PDB Molecule: dna-directed rna polymerase beta' chain; PDBTitle: structure of thermus aquaticus rna polymerase beta'-subunit2 insert
48	c4iqzD_	Alignment	not modelled	82.3	21	PDB header: unknown function Chain: D: PDB Molecule: dna-directed rna polymerase subunit beta'; PDBTitle: the crystal structure of a large insert in rna polymerase (rpoс)2 subunit from e. coli
49	c5b0hB_	Alignment	not modelled	81.7	9	PDB header: metal binding protein Chain: B: PDB Molecule: leukocyte cell-derived chemotaxin-2; PDBTitle: crystal structure of human leukocyte cell-derived chemotaxin 2
50	c1e2vB_	Alignment	not modelled	81.0	32	PDB header: electron transport Chain: B: PDB Molecule: cytochrome f; PDBTitle: n153q mutant of cytochrome f from chlamydomonas reinhardtii
51	c5kqbA_	Alignment	not modelled	80.0	22	PDB header: hydrolase Chain: A: PDB Molecule: peptidase m23; PDBTitle: identification and structural characterization of lytu
52	c1q90A_	Alignment	not modelled	79.6	32	PDB header: photosynthesis Chain: A: PDB Molecule: apocytochrome f; PDBTitle: structure of the cytochrome b6f (plastohydroquinone : plastocyanin2 oxidoreductase) from chlamydomonas reinhardtii
53	c3sluB_	Alignment	not modelled	79.2	18	PDB header: hydrolase Chain: B: PDB Molecule: m23 peptidase domain protein; PDBTitle: crystal structure of nmb0315
54	c2gu1A_	Alignment	not modelled	79.1	21	PDB header: hydrolase Chain: A: PDB Molecule: zinc peptidase; PDBTitle: crystal structure of a zinc containing peptidase from2

						vibrio cholerae
55	c2dneA	Alignment	not modelled	78.3	20	PDB header: transferase Chain: A: PDB Molecule: dihydrolipoyllysine-residue acetyltransferase PDBTitle: solution structure of rsgi ruh-058, a lipoyl domain of2 human 2-oxoacid dehydrogenase
56	c2b44A	Alignment	not modelled	77.4	24	PDB header: hydrolase Chain: A: PDB Molecule: glycyl-glycine endopeptidase lytm; PDBTitle: truncated s. aureus lytm, p 32 2 1 crystal form
57	c2jxmB	Alignment	not modelled	76.8	36	PDB header: electron transport Chain: B: PDB Molecule: cytochrome f; PDBTitle: ensemble of twenty structures of the prochlorothrix2 hollandica plastocyanin- cytochrome f complex
58	c4il6T	Alignment	not modelled	76.6	30	PDB header: electron transport Chain: T: PDB Molecule: photosystem ii reaction center protein t; PDBTitle: structure of sr-substituted photosystem ii
59	c5b5et	Alignment	not modelled	76.6	30	PDB header: electron transport, photosynthesis Chain: T: PDB Molecule: photosystem ii reaction center protein t; PDBTitle: crystal structure analysis of photosystem ii complex
60	c5b66t	Alignment	not modelled	76.6	30	PDB header: electron transport, photosynthesis Chain: T: PDB Molecule: photosystem ii reaction center protein t; PDBTitle: crystal structure analysis of photosystem ii complex
61	c5zznT	Alignment	not modelled	76.6	30	PDB header: electron transport Chain: T: PDB Molecule: photosystem ii reaction center protein t; PDBTitle: crystal structure of photosystem ii from an sqdg-deficient mutant of2 thermosynechococcus elongatus
62	c5v2ct	Alignment	not modelled	76.6	30	PDB header: electron transport, photosynthesis Chain: T: PDB Molecule: photosystem ii reaction center protein t; PDBTitle: re-refinement of crystal structure of photosystem ii complex
63	c5h2ft	Alignment	not modelled	76.6	30	PDB header: photosynthesis Chain: T: PDB Molecule: photosystem ii reaction center protein t; PDBTitle: crystal structure of the psbm-deletion mutant of photosystem ii
64	c5zznt	Alignment	not modelled	76.6	30	PDB header: electron transport Chain: T: PDB Molecule: photosystem ii reaction center protein t; PDBTitle: crystal structure of photosystem ii from an sqdg-deficient mutant of2 thermosynechococcus elongatus
65	c5kait	Alignment	not modelled	76.6	30	PDB header: electron transport Chain: T: PDB Molecule: photosystem ii reaction center protein t; PDBTitle: nh3-bound rt xfel structure of photosystem ii 500 ms after the 2nd2 illumination (2f) at 2.8 a resolution
66	c5kaiT	Alignment	not modelled	76.5	30	PDB header: electron transport Chain: T: PDB Molecule: photosystem ii reaction center protein t; PDBTitle: nh3-bound rt xfel structure of photosystem ii 500 ms after the 2nd2 illumination (2f) at 2.8 a resolution
67	c4ub6T	Alignment	not modelled	76.5	30	PDB header: electron transport, photosynthesis Chain: T: PDB Molecule: photosystem ii reaction center protein t; PDBTitle: native structure of photosystem ii (dataset-1) by a femtosecond x-ray2 laser
68	c5v2cT	Alignment	not modelled	76.5	30	PDB header: electron transport, photosynthesis Chain: T: PDB Molecule: photosystem ii reaction center protein t; PDBTitle: re-refinement of crystal structure of photosystem ii complex
69	c5ws6T	Alignment	not modelled	76.5	30	PDB header: photosynthesis Chain: T: PDB Molecule: photosystem ii reaction center protein t; PDBTitle: native xfel structure of photosystem ii (preflash two-flash dataset)
70	c4ub8T	Alignment	not modelled	76.5	30	PDB header: electron transport, photosynthesis Chain: T: PDB Molecule: photosystem ii reaction center protein t; PDBTitle: native structure of photosystem ii (dataset-2) by a femtosecond x-ray2 laser
71	c5tisT	Alignment	not modelled	76.5	30	PDB header: photosynthesis Chain: T: PDB Molecule: photosystem ii reaction center protein t; PDBTitle: room temperature xfel structure of the native, doubly-illuminated2 photosystem ii complex
72	c5ws6t	Alignment	not modelled	76.5	30	PDB header: photosynthesis Chain: T: PDB Molecule: photosystem ii reaction center protein t; PDBTitle: native xfel structure of photosystem ii (preflash two-flash dataset)
73	c4il6t	Alignment	not modelled	76.5	30	PDB header: electron transport Chain: T: PDB Molecule: photosystem ii reaction center protein t; PDBTitle: structure of sr-substituted photosystem ii
74	c5tist	Alignment	not modelled	76.5	30	PDB header: photosynthesis Chain: T: PDB Molecule: photosystem ii reaction center protein t; PDBTitle: room temperature xfel structure of the native, doubly-illuminated2 photosystem ii complex
75	c3wu2T	Alignment	not modelled	76.5	30	PDB header: electron transport, photosynthesis Chain: T: PDB Molecule: photosystem ii reaction center protein t; PDBTitle: crystal structure analysis of photosystem ii complex
76	c5kafT	Alignment	not modelled	76.5	30	PDB header: electron transport Chain: T: PDB Molecule: photosystem ii reaction center protein t; PDBTitle: rt xfel structure of photosystem ii in the dark state at 3.0 a2 resolution
77	c5gtit	Alignment	not modelled	76.5	30	PDB header: photosynthesis Chain: T: PDB Molecule: photosystem ii reaction center protein t; PDBTitle: native xfel structure of photosystem ii (two flash dataset)
78	c3wu2t	Alignment	not modelled	76.5	30	PDB header: electron transport, photosynthesis Chain: T: PDB Molecule: photosystem ii reaction center protein t; PDBTitle: crystal structure analysis of photosystem ii complex
79	c4ub8t	Alignment	not modelled	76.5	30	PDB header: electron transport, photosynthesis Chain: T: PDB Molecule: photosystem ii reaction center protein t; PDBTitle: native structure of photosystem ii (dataset-2) by a femtosecond x-ray2 laser
80	c4ub6t	Alignment	not modelled	76.5	30	PDB header: electron transport, photosynthesis Chain: T: PDB Molecule: photosystem ii reaction center protein t; PDBTitle: native structure of photosystem ii (dataset-1) by a

						femtosecond x-ray2 laser
81	c5gtiT_	Alignment	not modelled	76.5	30	PDB header: photosynthesis Chain: T; PDB Molecule: photosystem ii reaction center protein t; PDBTitle: native xfel structure of photosystem ii (two flash dataset)
82	c5gthT_	Alignment	not modelled	76.5	30	PDB header: photosynthesis Chain: T; PDB Molecule: photosystem ii reaction center protein t; PDBTitle: native xfel structure of photosystem ii (dark dataset)
83	c5ws5t_	Alignment	not modelled	76.5	30	PDB header: photosynthesis Chain: T; PDB Molecule: photosystem ii reaction center protein t; PDBTitle: native xfel structure of photosystem ii (preflash dark dataset)
84	c5b5eT_	Alignment	not modelled	76.5	30	PDB header: electron transport, photosynthesis Chain: T; PDB Molecule: photosystem ii reaction center protein t; PDBTitle: crystal structure analysis of photosystem ii complex
85	c5gtht_	Alignment	not modelled	76.5	30	PDB header: photosynthesis Chain: T; PDB Molecule: photosystem ii reaction center protein t; PDBTitle: native xfel structure of photosystem ii (dark dataset)
86	c5h2fT_	Alignment	not modelled	76.5	30	PDB header: photosynthesis Chain: T; PDB Molecule: photosystem ii reaction center protein t; PDBTitle: crystal structure of the psbm-deletion mutant of photosystem ii
87	c5ws5T_	Alignment	not modelled	76.5	30	PDB header: photosynthesis Chain: T; PDB Molecule: photosystem ii reaction center protein t; PDBTitle: native xfel structure of photosystem ii (preflash dark dataset)
88	d2axtt1	Alignment	not modelled	76.4	30	Fold: Single transmembrane helix Superfamily: Photosystem II reaction center protein T, PsbT Family: PsbT-like
89	c4rvyT_	Alignment	not modelled	76.4	30	PDB header: oxidoreductase Chain: T; PDB Molecule: photosystem ii reaction center protein t; PDBTitle: serial time resolved crystallography of photosystem ii using a2 femtosecond x-ray laser. the s state after two flashes (s3)
90	c5e79T_	Alignment	not modelled	76.4	30	PDB header: photosynthesis Chain: T; PDB Molecule: photosystem ii reaction center protein t; PDBTitle: macromolecular diffractive imaging using imperfect crystals
91	c2axtt_	Alignment	not modelled	76.4	30	PDB header: electron transport Chain: T; PDB Molecule: photosystem ii reaction center t protein; PDBTitle: crystal structure of photosystem ii from thermosynechococcus elongatus
92	c5e7ct_	Alignment	not modelled	76.4	30	PDB header: photosynthesis Chain: T; PDB Molecule: photosystem ii reaction center protein t; PDBTitle: macromolecular diffractive imaging using imperfect crystals - bragg2 data
93	c5e79t_	Alignment	not modelled	76.4	30	PDB header: photosynthesis Chain: T; PDB Molecule: photosystem ii reaction center protein t; PDBTitle: macromolecular diffractive imaging using imperfect crystals
94	c3arcT_	Alignment	not modelled	76.4	30	PDB header: electron transport, photosynthesis Chain: T; PDB Molecule: photosystem ii reaction center protein t; PDBTitle: crystal structure of oxygen-evolving photosystem ii at 1.9 angstrom2 resolution
95	c4rvyt_	Alignment	not modelled	76.4	30	PDB header: oxidoreductase Chain: T; PDB Molecule: photosystem ii reaction center protein t; PDBTitle: serial time resolved crystallography of photosystem ii using a2 femtosecond x-ray laser. the s state after two flashes (s3)
96	c2axtT_	Alignment	not modelled	76.4	30	PDB header: electron transport Chain: T; PDB Molecule: photosystem ii reaction center t protein; PDBTitle: crystal structure of photosystem ii from thermosynechococcus elongatus
97	c5e7cT_	Alignment	not modelled	76.4	30	PDB header: photosynthesis Chain: T; PDB Molecule: photosystem ii reaction center protein t; PDBTitle: macromolecular diffractive imaging using imperfect crystals - bragg2 data
98	c4fbyg_	Alignment	not modelled	76.3	30	PDB header: photosynthesis Chain: G; PDB Molecule: photosystem q(b) protein 1; PDBTitle: fs x-ray diffraction of photosystem ii
99	c4ixrt_	Alignment	not modelled	76.3	30	PDB header: photosynthesis Chain: T; PDB Molecule: photosystem ii reaction center protein t; PDBTitle: rt fs x-ray diffraction of photosystem ii, first illuminated state
100	c4fbyT_	Alignment	not modelled	76.3	30	PDB header: photosynthesis Chain: T; PDB Molecule: photosystem ii reaction center protein t; PDBTitle: fs x-ray diffraction of photosystem ii
101	c3prqT_	Alignment	not modelled	76.3	30	PDB header: photosynthesis Chain: T; PDB Molecule: photosystem ii reaction center protein t; PDBTitle: crystal structure of cyanobacterial photosystem ii in complex with2 terbutryn (part 1 of 2). this file contains first monomer of psii3 dimer
102	c4ixqt_	Alignment	not modelled	76.3	30	PDB header: photosynthesis Chain: T; PDB Molecule: photosystem ii reaction center protein t; PDBTitle: rt fs x-ray diffraction of photosystem ii, dark state
103	c4tnjt_	Alignment	not modelled	76.3	30	PDB header: electron transport,photosynthesis Chain: T; PDB Molecule: photosystem ii reaction center protein t; PDBTitle: rt xfel structure of photosystem ii 500 ms after the 2nd illumination2 (2f) at 4.5 a resolution
104	c3prrT_	Alignment	not modelled	76.3	30	PDB header: photosynthesis Chain: T; PDB Molecule: photosystem ii reaction center protein t; PDBTitle: crystal structure of cyanobacterial photosystem ii in complex with2 terbutryn (part 2 of 2). this file contains second monomer of psii3 dimer
105	c3bz2T_	Alignment	not modelled	76.3	30	PDB header: electron transport Chain: T; PDB Molecule: photosystem ii reaction center protein t; PDBTitle: crystal structure of cyanobacterial photosystem ii (part 2 of 2). this2 file contains second monomer of psii dimer
106	c4tnjt_	Alignment	not modelled	76.3	30	PDB header: electron transport,photosynthesis Chain: T; PDB Molecule: photosystem ii reaction center protein t;

106	c4tnc_	Alignment	not modelled	76.3	30	PDBTitle: rt xfel structure of photosystem ii 500 ms after the third2 illumination at 4.6 a resolution PDB header: electron transport
107	c3bz1T_	Alignment	not modelled	76.3	30	Chain: T; PDB Molecule: photosystem ii reaction center protein t; PDBTitle: crystal structure of cyanobacterial photosystem ii (part 1 of 2). this2 file contains first monomer of psii dimer
108	c4tnht_	Alignment	not modelled	76.3	30	PDB header: electron transport,photosynthesis Chain: T; PDB Molecule: photosystem ii reaction center protein t; PDBTitle: rt xfel structure of photosystem ii in the dark state at 4.9 a2 resolution
109	c4ixqT_	Alignment	not modelled	76.3	30	PDB header: photosynthesis Chain: T; PDB Molecule: photosystem ii reaction center protein t; PDBTitle: rt fs x-ray diffraction of photosystem ii, dark state
110	c4tniT_	Alignment	not modelled	76.3	30	PDB header: electron transport,photosynthesis Chain: T; PDB Molecule: photosystem ii reaction center protein t; PDBTitle: rt xfel structure of photosystem ii 500 ms after the third2 illumination at 4.6 a resolution
111	c4tnkT_	Alignment	not modelled	76.3	30	PDB header: electron transport,photosynthesis Chain: T; PDB Molecule: photosystem ii reaction center protein t; PDBTitle: rt xfel structure of photosystem ii 250 microsec after the third2 illumination at 5.2 a resolution
112	c4tnjT_	Alignment	not modelled	76.3	30	PDB header: electron transport,photosynthesis Chain: T; PDB Molecule: photosystem ii reaction center protein t; PDBTitle: rt xfel structure of photosystem ii 500 ms after the 2nd illumination2 (2f) at 4.5 a resolution
113	c4tnhT_	Alignment	not modelled	76.3	30	PDB header: electron transport,photosynthesis Chain: T; PDB Molecule: photosystem ii reaction center protein t; PDBTitle: rt xfel structure of photosystem ii in the dark state at 4.9 a2 resolution
114	c4ixrT_	Alignment	not modelled	76.3	30	PDB header: photosynthesis Chain: T; PDB Molecule: photosystem ii reaction center protein t; PDBTitle: rt fs x-ray diffraction of photosystem ii, first illuminated state
115	c4tnkt_	Alignment	not modelled	76.3	30	PDB header: electron transport,photosynthesis Chain: T; PDB Molecule: photosystem ii reaction center protein t; PDBTitle: rt xfel structure of photosystem ii 250 microsec after the third2 illumination at 5.2 a resolution
116	c5kaft_	Alignment	not modelled	76.2	30	PDB header: electron transport Chain: T; PDB Molecule: photosystem ii reaction center protein t; PDBTitle: rt xfel structure of photosystem ii in the dark state at 3.0 a2 resolution
117	c1s5IT_	Alignment	not modelled	76.2	30	PDB header: photosynthesis Chain: T; PDB Molecule: photosystem ii psbt protein; PDBTitle: architecture of the photosynthetic oxygen evolving center
118	c1s5lt_	Alignment	not modelled	76.2	30	PDB header: photosynthesis Chain: T; PDB Molecule: photosystem ii psbt protein; PDBTitle: architecture of the photosynthetic oxygen evolving center
119	c3a0bt_	Alignment	not modelled	76.1	30	PDB header: electron transport Chain: T; PDB Molecule: photosystem ii reaction center protein t; PDBTitle: crystal structure of br-substituted photosystem ii complex
120	c3kziT_	Alignment	not modelled	76.1	30	PDB header: electron transport Chain: T; PDB Molecule: photosystem ii reaction center protein t; PDBTitle: crystal structure of monomeric form of cyanobacterial photosystem ii