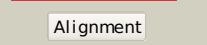
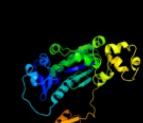
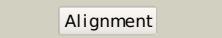
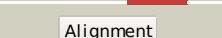
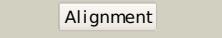
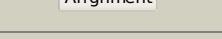


# Phyre<sup>2</sup>

Email	i.a.kelley@imperial.ac.uk
Description	P04152
Date	Thu Jan 5 10:58:12 GMT 2012
Unique Job ID	91aed0c3b3365d4d

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	<a href="#">c3gqcB_</a>			100.0	23	<b>PDB header:</b> transferase/dna <b>Chain:</b> B; <b>PDB Molecule:</b> dna repair protein rev1; <b>PDBTitle:</b> structure of human rev1-dna-dntp ternary complex
2	<a href="#">c2oh2B_</a>			100.0	24	<b>PDB header:</b> transferase/dna <b>Chain:</b> B; <b>PDB Molecule:</b> dna polymerase kappa; <b>PDBTitle:</b> ternary complex of human dna polymerase
3	<a href="#">c1s97D_</a>			100.0	25	<b>PDB header:</b> transferase/dna <b>Chain:</b> D; <b>PDB Molecule:</b> dna polymerase iv; <b>PDBTitle:</b> dpo4 with gt mismatch
4	<a href="#">c1t94B_</a>			100.0	25	<b>PDB header:</b> replication <b>Chain:</b> B; <b>PDB Molecule:</b> polymerase (dna directed) kappa; <b>PDBTitle:</b> crystal structure of the catalytic core of human dna2 polymerase kappa
5	<a href="#">c2aq4A_</a>			100.0	19	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> dna repair protein rev1; <b>PDBTitle:</b> ternary complex of the catalytic core of rev1 with dna and dctp.
6	<a href="#">c1jihA_</a>			100.0	21	<b>PDB header:</b> translation <b>Chain:</b> A; <b>PDB Molecule:</b> dna polymerase eta; <b>PDBTitle:</b> yeast dna polymerase eta
7	<a href="#">c2r8kB_</a>			100.0	21	<b>PDB header:</b> replication, transferase/dna <b>Chain:</b> B; <b>PDB Molecule:</b> dna polymerase eta; <b>PDBTitle:</b> structure of the eukaryotic dna polymerase eta in complex with 1,2-2 d(gpg)-cisplatin containing dna
8	<a href="#">c3mr2A_</a>			100.0	22	<b>PDB header:</b> transferase/dna <b>Chain:</b> A; <b>PDB Molecule:</b> dna polymerase eta; <b>PDBTitle:</b> human dna polymerase eta in complex with normal dna and incoming2 nucleotide (nrm)
9	<a href="#">c1t3nB_</a>			100.0	24	<b>PDB header:</b> replication/dna <b>Chain:</b> B; <b>PDB Molecule:</b> polymerase (dna directed) iota; <b>PDBTitle:</b> structure of the catalytic core of dna polymerase iota in2 complex with dna and dttp
10	<a href="#">c2flIA_</a>			100.0	25	<b>PDB header:</b> replication/dna <b>Chain:</b> A; <b>PDB Molecule:</b> dna polymerase iota; <b>PDBTitle:</b> ternary complex of human dna polymerase iota with dna and dttp
11	<a href="#">c1k1qA_</a>			100.0	23	<b>PDB header:</b> transcription <b>Chain:</b> A; <b>PDB Molecule:</b> dbh protein; <b>PDBTitle:</b> crystal structure of a dinb family error prone dna2 polymerase from sulfolobus solfataricus

12	<a href="#">d1t94a2</a>			100.0	29	<b>Fold:</b> DNA/RNA polymerases <b>Superfamily:</b> DNA/RNA polymerases <b>Family:</b> Lesion bypass DNA polymerase (Y-family), catalytic domain
13	<a href="#">d1jx4a2</a>			100.0	32	<b>Fold:</b> DNA/RNA polymerases <b>Superfamily:</b> DNA/RNA polymerases <b>Family:</b> Lesion bypass DNA polymerase (Y-family), catalytic domain
14	<a href="#">d1klsa2</a>			100.0	29	<b>Fold:</b> DNA/RNA polymerases <b>Superfamily:</b> DNA/RNA polymerases <b>Family:</b> Lesion bypass DNA polymerase (Y-family), catalytic domain
15	<a href="#">d1jiha2</a>			100.0	25	<b>Fold:</b> DNA/RNA polymerases <b>Superfamily:</b> DNA/RNA polymerases <b>Family:</b> Lesion bypass DNA polymerase (Y-family), catalytic domain
16	<a href="#">d1zeta2</a>			100.0	31	<b>Fold:</b> DNA/RNA polymerases <b>Superfamily:</b> DNA/RNA polymerases <b>Family:</b> Lesion bypass DNA polymerase (Y-family), catalytic domain
17	<a href="#">d1im4a</a>			100.0	31	<b>Fold:</b> DNA/RNA polymerases <b>Superfamily:</b> DNA/RNA polymerases <b>Family:</b> Lesion bypass DNA polymerase (Y-family), catalytic domain
18	<a href="#">d1unnc</a>			99.6	16	<b>Fold:</b> Lesion bypass DNA polymerase (Y-family), little finger domain <b>Superfamily:</b> Lesion bypass DNA polymerase (Y-family), little finger domain <b>Family:</b> Lesion bypass DNA polymerase (Y-family), little finger domain
19	<a href="#">d1zeta1</a>			99.5	8	<b>Fold:</b> Lesion bypass DNA polymerase (Y-family), little finger domain <b>Superfamily:</b> Lesion bypass DNA polymerase (Y-family), little finger domain <b>Family:</b> Lesion bypass DNA polymerase (Y-family), little finger domain
20	<a href="#">d1t94a1</a>			99.3	16	<b>Fold:</b> Lesion bypass DNA polymerase (Y-family), little finger domain <b>Superfamily:</b> Lesion bypass DNA polymerase (Y-family), little finger domain <b>Family:</b> Lesion bypass DNA polymerase (Y-family), little finger domain
21	<a href="#">d1jiha1</a>		not modelled	98.5	13	<b>Fold:</b> Lesion bypass DNA polymerase (Y-family), little finger domain <b>Superfamily:</b> Lesion bypass DNA polymerase (Y-family), little finger domain <b>Family:</b> Lesion bypass DNA polymerase (Y-family), little finger domain
22	<a href="#">d1jx4a1</a>		not modelled	97.4	11	<b>Fold:</b> Lesion bypass DNA polymerase (Y-family), little finger domain <b>Superfamily:</b> Lesion bypass DNA polymerase (Y-family), little finger domain <b>Family:</b> Lesion bypass DNA polymerase (Y-family), little finger domain
23	<a href="#">d1szpa1</a>		not modelled	97.0	21	<b>Fold:</b> SAM domain-like <b>Superfamily:</b> Rad51 N-terminal domain-like <b>Family:</b> DNA repair protein Rad51, N-terminal domain
24	<a href="#">d1klsa1</a>		not modelled	96.6	11	<b>Fold:</b> Lesion bypass DNA polymerase (Y-family), little finger domain <b>Superfamily:</b> Lesion bypass DNA polymerase (Y-family), little finger domain <b>Family:</b> Lesion bypass DNA polymerase (Y-family), little finger domain
25	<a href="#">d1pzna1</a>		not modelled	96.6	18	<b>Fold:</b> SAM domain-like <b>Superfamily:</b> Rad51 N-terminal domain-like <b>Family:</b> DNA repair protein Rad51, N-terminal domain
26	<a href="#">d1gm5a2</a>		not modelled	96.4	36	<b>Fold:</b> OB-fold <b>Superfamily:</b> Nucleic acid-binding proteins <b>Family:</b> RecG "wedge" domain
27	<a href="#">d2i1qal</a>		not modelled	96.2	16	<b>Fold:</b> SAM domain-like <b>Superfamily:</b> Rad51 N-terminal domain-like <b>Family:</b> DNA repair protein Rad51, N-terminal domain

28	<a href="#">c1b22A</a>		Alignment	not modelled	95.7	21	<b>PDB header:</b> dna binding protein <b>Chain:</b> A: <b>PDB Molecule:</b> dna repair protein rad51; <b>PDBTitle:</b> rad51 (n-terminal domain)
29	<a href="#">d1b22a</a>		Alignment	not modelled	95.7	21	<b>Fold:</b> SAM domain-like <b>Superfamily:</b> Rad51 N-terminal domain-like <b>Family:</b> DNA repair protein Rad51, N-terminal domain
30	<a href="#">c3bq5B</a>		Alignment	not modelled	95.4	24	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> B: <b>PDB Molecule:</b> uncharacterized protein; <b>PDBTitle:</b> crystal structure of an uncharacterized protein from2 listeria monocytogenes, trigonal form
31	<a href="#">d2p6ra2</a>		Alignment	not modelled	95.0	24	<b>Fold:</b> Sec63 N-terminal domain-like <b>Superfamily:</b> Sec63 N-terminal domain-like <b>Family:</b> Achaeal helicase C-terminal domain
32	<a href="#">d1doqa</a>		Alignment	not modelled	94.9	25	<b>Fold:</b> SAM domain-like <b>Superfamily:</b> C-terminal domain of RNA polymerase alpha subunit <b>Family:</b> C-terminal domain of RNA polymerase alpha subunit
33	<a href="#">c1t4gA</a>		Alignment	not modelled	94.9	14	<b>PDB header:</b> recombination <b>Chain:</b> A: <b>PDB Molecule:</b> dna repair and recombination protein rada; <b>PDBTitle:</b> atpase in complex with amp-pnp
34	<a href="#">d1z3eb1</a>		Alignment	not modelled	94.9	24	<b>Fold:</b> SAM domain-like <b>Superfamily:</b> C-terminal domain of RNA polymerase alpha subunit <b>Family:</b> C-terminal domain of RNA polymerase alpha subunit
35	<a href="#">d1lb2b</a>		Alignment	not modelled	94.7	28	<b>Fold:</b> SAM domain-like <b>Superfamily:</b> C-terminal domain of RNA polymerase alpha subunit <b>Family:</b> C-terminal domain of RNA polymerase alpha subunit
36	<a href="#">d1cooa</a>		Alignment	not modelled	94.0	28	<b>Fold:</b> SAM domain-like <b>Superfamily:</b> C-terminal domain of RNA polymerase alpha subunit <b>Family:</b> C-terminal domain of RNA polymerase alpha subunit
37	<a href="#">c1gm5A</a>		Alignment	not modelled	94.0	36	<b>PDB header:</b> helicase <b>Chain:</b> A: <b>PDB Molecule:</b> recg; <b>PDBTitle:</b> structure of recg bound to three-way dna junction
38	<a href="#">c1kdhA</a>		Alignment	not modelled	93.7	13	<b>PDB header:</b> transferase/dna <b>Chain:</b> A: <b>PDB Molecule:</b> terminal deoxynucleotidyltransferase short <b>PDBTitle:</b> binary complex of murine terminal deoxynucleotidyl2 transferase with a primer single stranded dna
39	<a href="#">d1szpb1</a>		Alignment	not modelled	93.6	24	<b>Fold:</b> SAM domain-like <b>Superfamily:</b> Rad51 N-terminal domain-like <b>Family:</b> DNA repair protein Rad51, N-terminal domain
40	<a href="#">d1gw2a</a>		Alignment	not modelled	93.5	29	<b>Fold:</b> Hypothetical protein Ta1206 <b>Superfamily:</b> Hypothetical protein Ta1206 <b>Family:</b> Hypothetical protein Ta1206
41	<a href="#">c2ihmA</a>		Alignment	not modelled	93.2	21	<b>PDB header:</b> transferase/dna <b>Chain:</b> A: <b>PDB Molecule:</b> dna polymerase mu; <b>PDBTitle:</b> polymerase mu in ternary complex with gapped 11mer dna2 duplex and bound incoming nucleotide
42	<a href="#">d1jmsa3</a>		Alignment	not modelled	93.1	25	<b>Fold:</b> SAM domain-like <b>Superfamily:</b> PsbU/PolX domain-like <b>Family:</b> DNA polymerase beta-like, second domain
43	<a href="#">d2vana1</a>		Alignment	not modelled	93.1	43	<b>Fold:</b> SAM domain-like <b>Superfamily:</b> PsbU/PolX domain-like <b>Family:</b> DNA polymerase beta-like, second domain
44	<a href="#">d2aq0a1</a>		Alignment	not modelled	92.9	11	<b>Fold:</b> SAM domain-like <b>Superfamily:</b> RuvA domain 2-like <b>Family:</b> Hef domain-like
45	<a href="#">d2bcqa2</a>		Alignment	not modelled	92.8	18	<b>Fold:</b> SAM domain-like <b>Superfamily:</b> PsbU/PolX domain-like <b>Family:</b> DNA polymerase beta-like, second domain
46	<a href="#">d2fmpa2</a>		Alignment	not modelled	92.8	39	<b>Fold:</b> SAM domain-like <b>Superfamily:</b> PsbU/PolX domain-like <b>Family:</b> DNA polymerase beta-like, second domain
47	<a href="#">c2bcuA</a>		Alignment	not modelled	92.6	12	<b>PDB header:</b> transferase, lyase/dna <b>Chain:</b> A: <b>PDB Molecule:</b> dna polymerase lambda; <b>PDBTitle:</b> dna polymerase lambda in complex with a dna duplex2 containing an unpaired damp and a tt mismatch
48	<a href="#">d2q0zx1</a>		Alignment	not modelled	92.4	10	<b>Fold:</b> Sec63 N-terminal domain-like <b>Superfamily:</b> Sec63 N-terminal domain-like <b>Family:</b> Sec63 N-terminal domain
49	<a href="#">c1nomA</a>		Alignment	not modelled	92.2	43	<b>PDB header:</b> nucleotidyltransferase <b>Chain:</b> A: <b>PDB Molecule:</b> dna polymerase beta; <b>PDBTitle:</b> dna polymerase beta (pol b) (e.c.2.7.7.7), 31-kd domain; soaked in the2 presence of mnc12 (5 millimolar)
50	<a href="#">c2ava8A</a>		Alignment	not modelled	92.1	24	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> ski2-type helicase; <b>PDBTitle:</b> dna repair helicase hel308
51	<a href="#">c8icza</a>		Alignment	not modelled	92.0	39	<b>PDB header:</b> transferase/dna <b>Chain:</b> A: <b>PDB Molecule:</b> protein (dna polymerase beta (e.c.2.7.7.7)); <b>PDBTitle:</b> dna polymerase beta (pol b) (e.c.2.7.7.7) complexed with2 seven base pairs of dna; soaked in the presence of of dntp3 (1 millimolar), mnc12 (5 millimolar), and lithium sulfate4 (75 millimolar)
52	<a href="#">c3im2A</a>		Alignment	not modelled	91.9	14	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> pre-mrna-splicing helicase brr2; <b>PDBTitle:</b> structure of the c-terminal sec63 unit of yeast brr2, p41212 form
53	<a href="#">d1kfta</a>		Alignment	not modelled	91.5	16	<b>Fold:</b> SAM domain-like <b>Superfamily:</b> RuvA domain 2-like <b>Family:</b> Excinuclease UvrC C-terminal domain

54	<a href="#">c1kftA</a>		Alignment	not modelled	91.5	16	<b>PDB header:</b> dna binding protein <b>Chain:</b> A: <b>PDB Molecule:</b> excinuclease abc subunit c; <b>PDBTitle:</b> solution structure of the c-terminal domain of uvrc from e-2 coli
55	<a href="#">c2w9mB</a>		Alignment	not modelled	91.4	25	<b>PDB header:</b> dna replication <b>Chain:</b> B: <b>PDB Molecule:</b> polymerase x; <b>PDBTitle:</b> structure of family x dna polymerase from deinococcus2 radiodurans
56	<a href="#">c2dfIA</a>		Alignment	not modelled	91.3	21	<b>PDB header:</b> recombination <b>Chain:</b> A: <b>PDB Molecule:</b> dna repair and recombination protein rada; <b>PDBTitle:</b> crystal structure of left-handed rada filament
57	<a href="#">c2kz3A</a>		Alignment	not modelled	89.8	24	<b>PDB header:</b> unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> putative uncharacterized protein rad513; <b>PDBTitle:</b> backbone 1h, 13c, and 15n chemical shift assignments for human rad51d2 from 1 to 83
58	<a href="#">c2p6uA</a>		Alignment	not modelled	88.5	24	<b>PDB header:</b> dna binding protein <b>Chain:</b> A: <b>PDB Molecule:</b> afuhel308 helicase; <b>PDBTitle:</b> apo structure of the hel308 superfamily 2 helicase
59	<a href="#">d2a1ja1</a>		Alignment	not modelled	88.0	11	<b>Fold:</b> SAM domain-like <b>Superfamily:</b> RuvA domain 2-like <b>Family:</b> Hef domain-like
60	<a href="#">c1wcnA</a>		Alignment	not modelled	85.7	26	<b>PDB header:</b> rna-binding protein <b>Chain:</b> A: <b>PDB Molecule:</b> transcription elongation protein nusa; <b>PDBTitle:</b> nmr structure of the carboxyterminal domains of escherichia2 coli nusa
61	<a href="#">d1ci4a</a>		Alignment	not modelled	84.3	28	<b>Fold:</b> SAM domain-like <b>Superfamily:</b> Barrier-to-autointegration factor, BAF <b>Family:</b> Barrier-to-autointegration factor, BAF
62	<a href="#">c3IdaA</a>		Alignment	not modelled	83.9	19	<b>PDB header:</b> dna binding protein <b>Chain:</b> A: <b>PDB Molecule:</b> dna repair protein rad51; <b>PDBTitle:</b> yeast rad51 h352y filament interface mutant
63	<a href="#">d1x2ia1</a>		Alignment	not modelled	81.4	9	<b>Fold:</b> SAM domain-like <b>Superfamily:</b> RuvA domain 2-like <b>Family:</b> Hef domain-like
64	<a href="#">c2q0zX</a>		Alignment	not modelled	80.8	11	<b>PDB header:</b> protein transport <b>Chain:</b> X: <b>PDB Molecule:</b> protein pro2281; <b>PDBTitle:</b> crystal structure of q9p172/sec63 from homo sapiens.2 northeast structural genomics target hr1979.
65	<a href="#">d2bgwa1</a>		Alignment	not modelled	79.8	18	<b>Fold:</b> SAM domain-like <b>Superfamily:</b> RuvA domain 2-like <b>Family:</b> Hef domain-like
66	<a href="#">c1szpC</a>		Alignment	not modelled	76.8	24	<b>PDB header:</b> dna binding protein <b>Chain:</b> C: <b>PDB Molecule:</b> dna repair protein rad51; <b>PDBTitle:</b> a crystal structure of the rad51 filament
67	<a href="#">c2nrzB</a>		Alignment	not modelled	76.0	22	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> uvrabc system protein c; <b>PDBTitle:</b> crystal structure of the c-terminal half of uvrc bound to2 its catalytic divalent cation
68	<a href="#">d2a1jb1</a>		Alignment	not modelled	70.5	12	<b>Fold:</b> SAM domain-like <b>Superfamily:</b> RuvA domain 2-like <b>Family:</b> Hef domain-like
69	<a href="#">c3ezuA</a>		Alignment	not modelled	68.1	21	<b>PDB header:</b> signaling protein <b>Chain:</b> A: <b>PDB Molecule:</b> ggdef domain protein; <b>PDBTitle:</b> crystal structure of multidomain protein of unknown function with2 ggdef-domain (np_951600.1) from geobacter sulfurreducens at 1.95 a3 resolution
70	<a href="#">c1w25B</a>		Alignment	not modelled	66.6	15	<b>PDB header:</b> signaling protein <b>Chain:</b> B: <b>PDB Molecule:</b> stalked-cell differentiation controlling protein; <b>PDBTitle:</b> response regulator pled in complex with c-digmp
71	<a href="#">d1bvsaz</a>		Alignment	not modelled	64.0	31	<b>Fold:</b> SAM domain-like <b>Superfamily:</b> RuvA domain 2-like <b>Family:</b> DNA helicase RuvA subunit, middle domain
72	<a href="#">c2h5xA</a>		Alignment	not modelled	63.8	29	<b>PDB header:</b> dna binding protein <b>Chain:</b> A: <b>PDB Molecule:</b> holliday junction atm-dependent dna helicase ruva; <b>PDBTitle:</b> ruva from mycobacterium tuberculosis
73	<a href="#">d1dgsa1</a>		Alignment	not modelled	62.2	22	<b>Fold:</b> SAM domain-like <b>Superfamily:</b> RuvA domain 2-like <b>Family:</b> NAD+-dependent DNA ligase, domain 3
74	<a href="#">c1ixrA</a>		Alignment	not modelled	59.8	25	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> holliday junction dna helicase ruva; <b>PDBTitle:</b> ruva-ruvb complex
75	<a href="#">c1dgsB</a>		Alignment	not modelled	58.1	19	<b>PDB header:</b> ligase <b>Chain:</b> B: <b>PDB Molecule:</b> dna ligase; <b>PDBTitle:</b> crystal structure of nad+-dependent dna ligase from t.2 filiformis
76	<a href="#">c1d8IA</a>		Alignment	not modelled	57.8	24	<b>PDB header:</b> gene regulation <b>Chain:</b> A: <b>PDB Molecule:</b> protein (holliday junction dna helicase ruva); <b>PDBTitle:</b> e. coli holliday junction binding protein ruva nh2 region2 lacking domain iii
77	<a href="#">c1vddC</a>		Alignment	not modelled	52.6	25	<b>PDB header:</b> recombination <b>Chain:</b> C: <b>PDB Molecule:</b> recombination protein recr; <b>PDBTitle:</b> crystal structure of recombinational repair protein recr
78	<a href="#">c1wwuA</a>		Alignment	not modelled	52.2	21	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> hypothetical protein flj21935; <b>PDBTitle:</b> solution structure of the sam_pnt domain of human protein2 flj21935
79	<a href="#">c3i5aA</a>		Alignment	not modelled	51.2	18	<b>PDB header:</b> signaling protein <b>Chain:</b> A: <b>PDB Molecule:</b> response regulator/ggdef domain protein; <b>PDBTitle:</b> crystal structure of full-length wpsr from pseudomonas syringae

80	<a href="#">c2csdB</a>	Alignment	not modelled	50.0	32	<b>PDB header:</b> isomerase <b>Chain:</b> B; <b>PDB Molecule:</b> topoisomerase v; <b>PDBTitle:</b> crystal structure of topoisomerase v (61 kda fragment)
81	<a href="#">c2owoA</a>	Alignment	not modelled	49.9	23	<b>PDB header:</b> ligase/dna <b>Chain:</b> A; <b>PDB Molecule:</b> dna ligase; <b>PDBTitle:</b> last stop on the road to repair: structure of e.coli dna ligase bound2 to nicked dna-adenylate
82	<a href="#">d1vdda</a>	Alignment	not modelled	49.7	25	<b>Fold:</b> Recombination protein RecR <b>Superfamily:</b> Recombination protein RecR <b>Family:</b> Recombination protein RecR
83	<a href="#">c3cmwA</a>	Alignment	not modelled	47.7	11	<b>PDB header:</b> recombination/dna <b>Chain:</b> A; <b>PDB Molecule:</b> protein reca; <b>PDBTitle:</b> mechanism of homologous recombination from the reca-2 ssdna/dssdna structures
84	<a href="#">c3breA</a>	Alignment	not modelled	44.5	25	<b>PDB header:</b> signaling protein <b>Chain:</b> A; <b>PDB Molecule:</b> probable two-component response regulator; <b>PDBTitle:</b> crystal structure of p.aeruginosa pa3702
85	<a href="#">d1ixra1</a>	Alignment	not modelled	41.3	24	<b>Fold:</b> SAM domain-like <b>Superfamily:</b> RuvA domain 2-like <b>Family:</b> DNA helicase RuvA subunit, middle domain
86	<a href="#">c1s5lu</a>	Alignment	not modelled	37.7	13	<b>PDB header:</b> photosynthesis <b>Chain:</b> U; <b>PDB Molecule:</b> photosystem ii 12 kda extrinsic protein; <b>PDBTitle:</b> architecture of the photosynthetic oxygen evolving center
87	<a href="#">d2axtu1</a>	Alignment	not modelled	37.5	13	<b>Fold:</b> SAM domain-like <b>Superfamily:</b> PsbU/PolX domain-like <b>Family:</b> PsbU-like
88	<a href="#">d2edu1</a>	Alignment	not modelled	37.4	17	<b>Fold:</b> SAM domain-like <b>Superfamily:</b> RuvA domain 2-like <b>Family:</b> ComEA-like
89	<a href="#">d2akja2</a>	Alignment	not modelled	36.2	22	<b>Fold:</b> Ferrodoxin-like <b>Superfamily:</b> Nitrite/Sulfite reductase N-terminal domain-like <b>Family:</b> Duplicated SiR/NiR-like domains 1 and 3
90	<a href="#">d1rqpa1</a>	Alignment	not modelled	32.0	34	<b>Fold:</b> Bacterial fluorinating enzyme, C-terminal domain <b>Superfamily:</b> Bacterial fluorinating enzyme, C-terminal domain <b>Family:</b> Bacterial fluorinating enzyme, C-terminal domain
91	<a href="#">d2bcqa1</a>	Alignment	not modelled	31.7	28	<b>Fold:</b> SAM domain-like <b>Superfamily:</b> DNA polymerase beta, N-terminal domain-like <b>Family:</b> DNA polymerase beta, N-terminal domain-like
92	<a href="#">d2fmpa1</a>	Alignment	not modelled	29.1	28	<b>Fold:</b> SAM domain-like <b>Superfamily:</b> DNA polymerase beta, N-terminal domain-like <b>Family:</b> DNA polymerase beta, N-terminal domain-like
93	<a href="#">c2rp5A</a>	Alignment	not modelled	27.3	26	<b>PDB header:</b> transcription <b>Chain:</b> A; <b>PDB Molecule:</b> putative uncharacterized protein cep-1; <b>PDBTitle:</b> solution structure of the oligomerization domain in cep-1
94	<a href="#">c1hjpA</a>	Alignment	not modelled	27.0	27	<b>PDB header:</b> dna recombination <b>Chain:</b> A; <b>PDB Molecule:</b> ruva; <b>PDBTitle:</b> holliday junction binding protein ruva from e. coli
95	<a href="#">d1cka2</a>	Alignment	not modelled	26.5	16	<b>Fold:</b> SAM domain-like <b>Superfamily:</b> RuvA domain 2-like <b>Family:</b> DNA helicase RuvA subunit, middle domain
96	<a href="#">d1zj8a2</a>	Alignment	not modelled	26.5	24	<b>Fold:</b> Ferrodoxin-like <b>Superfamily:</b> Nitrite/Sulfite reductase N-terminal domain-like <b>Family:</b> Duplicated SiR/NiR-like domains 1 and 3
97	<a href="#">c1v9pb</a>	Alignment	not modelled	25.1	22	<b>PDB header:</b> ligase <b>Chain:</b> B; <b>PDB Molecule:</b> dna ligase; <b>PDBTitle:</b> crystal structure of nad+-dependent dna ligase
98	<a href="#">d1jmsa1</a>	Alignment	not modelled	24.9	6	<b>Fold:</b> SAM domain-like <b>Superfamily:</b> DNA polymerase beta, N-terminal domain-like <b>Family:</b> DNA polymerase beta, N-terminal domain-like
99	<a href="#">d1mo6a1</a>	Alignment	not modelled	23.2	14	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> RecA protein-like (ATPase-domain)
100	<a href="#">d1nzpa</a>	Alignment	not modelled	22.8	28	<b>Fold:</b> SAM domain-like <b>Superfamily:</b> DNA polymerase beta, N-terminal domain-like <b>Family:</b> DNA polymerase beta, N-terminal domain-like
101	<a href="#">d2noha1</a>	Alignment	not modelled	22.3	21	<b>Fold:</b> DNA-glycosylase <b>Superfamily:</b> DNA-glycosylase <b>Family:</b> DNA repair glycosylase, 2 C-terminal domains
102	<a href="#">d1ykga1</a>	Alignment	not modelled	21.3	16	<b>Fold:</b> Flavodoxin-like <b>Superfamily:</b> Flavoproteins <b>Family:</b> Cytochrome p450 reductase N-terminal domain-like
103	<a href="#">d1dk2a</a>	Alignment	not modelled	21.1	28	<b>Fold:</b> SAM domain-like <b>Superfamily:</b> DNA polymerase beta, N-terminal domain-like <b>Family:</b> DNA polymerase beta, N-terminal domain-like