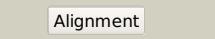
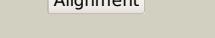
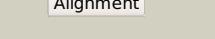
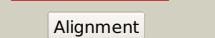
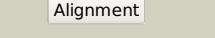
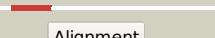
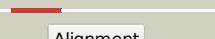


Phyre²

Email	mdejesus@rockefeller.edu
Description	RVBD1547_(dnaE)_1747700_1751254
Date	Fri Aug 2 13:30:13 BST 2019
Unique Job ID	94a68f2e773b2972

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c5fkvA_			100.0	37	PDB header: transferase Chain: A: PDB Molecule: dna polymerase iii subunit alpha; PDBTitle: cryo-em structure of the e. coli replicative dna polymerase complex2 bound to dna (dna polymerase iii alpha, beta, epsilon, tau complex)
2	c3e0dA_			100.0	42	PDB header: transferase/dna Chain: A: PDB Molecule: dna polymerase iii subunit alpha; PDBTitle: insights into the replisome from the crystal structure of the ternary complex of the eubacterial dna polymerase iii3 alpha-subunit
3	c5lewA_			100.0	99	PDB header: transferase Chain: A: PDB Molecule: dna polymerase iii subunit alpha; PDBTitle: dna polymerase
4	c2hnHA_			100.0	40	PDB header: transferase Chain: A: PDB Molecule: dna polymerase iii alpha subunit; PDBTitle: crystal structure of the catalytic alpha subunit of e. coli2 replicative dna polymerase iii
5	c3f2cA_			100.0	27	PDB header: transferase/dna Chain: A: PDB Molecule: geobacillus kaustophilus dna polc; PDBTitle: dna polymerase polc from geobacillus kaustophilus complex with dna,2 dntp and mn
6	c4gx9A_			100.0	37	PDB header: transferase Chain: A: PDB Molecule: dna polymerase iii subunit epsilon,dna polymerase iii PDBTitle: crystal structure of a dna polymerase iii alpha-epsilon chimera
7	c3e0fA_			99.8	16	PDB header: hydrolase Chain: A: PDB Molecule: putative metal-dependent phosphoesterase; PDBTitle: crystal structure of a putative metal-dependent phosphoesterase2 (bad_1165) from bifidobacterium adolescentis atcc 15703 at 2.40 a3 resolution
8	c2wjeA_			99.7	17	PDB header: hydrolase Chain: A: PDB Molecule: tyrosine-protein phosphatase cpsb; PDBTitle: crystal structure of the tyrosine phosphatase cps4b from2 stptococcus pneumoniae tigr4.
9	c3dcpB_			99.7	20	PDB header: hydrolase Chain: B: PDB Molecule: histidinol-phosphatase; PDBTitle: crystal structure of the putative histidinol phosphatase hisk from2 listeria monocytogenes. northeast structural genomics consortium3 target lmr141.
10	c2yb1A_			99.7	17	PDB header: hydrolase Chain: A: PDB Molecule: amidohydrolase; PDBTitle: structure of an amidohydrolase from chromobacterium violaceum (efi2 target efi-500202) with bound mn, amp and phosphate.
11	c3qy6A_			99.6	20	PDB header: hydrolase Chain: A: PDB Molecule: tyrosine-protein phosphatase ywqe; PDBTitle: crystal structures of ywqe from bacillus subtilis and cpsb from2 streptococcus pneumoniae, unique metal-dependent tyrosine3 phosphatases

12	c2yz5B			99.6	20	PDB header: hydrolase Chain: B: PDB Molecule: histidinol phosphatase; PDBTitle: histidinol phosphate phosphatase complexed with phosphate
13	c3umuA			99.5	16	PDB header: hydrolase Chain: A: PDB Molecule: histidinol-phosphatase; PDBTitle: crystal structure of l-histidinol phosphate phosphatase (hisk) from <i>Lactococcus lactis</i> subsp. <i>lactis</i> il1403 complexed with zn, phosphate3 and l-histidinol
14	c3auoB			99.5	15	PDB header: transferase/dna Chain: B: PDB Molecule: dna polymerase beta family (x family); PDBTitle: dna polymerase x from <i>thermus thermophilus</i> hb8 ternary complex with 1-2 nt gapped dna and ddgtp
15	d1m65a			99.3	18	Fold: 7-stranded beta/alpha barrel Superfamily: PHP domain-like Family: PHP domain
16	c2anuA			99.2	19	PDB header: metal binding protein Chain: A: PDB Molecule: hypothetical protein tm0559; PDBTitle: crystal structure of predicted metal-dependent phosphoesterase (php2 family) (tm0559) from <i>thermotoga maritima</i> at 2.40 a resolution
17	d2anua1			99.2	19	Fold: 7-stranded beta/alpha barrel Superfamily: PHP domain-like Family: PHP domain
18	c5zb8B			99.1	19	PDB header: dna binding protein Chain: B: PDB Molecule: pfluendoq; PDBTitle: crystal structure of the novel lesion-specific endonuclease pfluendoq2 from <i>pyrococcus furiosus</i>
19	c2w9mB			99.0	18	PDB header: dna replication Chain: B: PDB Molecule: polymerase x; PDBTitle: structure of family x dna polymerase from <i>deinococcus2 radiodurans</i>
20	c3e38A			98.8	29	PDB header: hydrolase Chain: A: PDB Molecule: two-domain protein containing predicted php-like metal- PDBTitle: crystal structure of a two-domain protein containing predicted php-2 like metal-dependent phosphoesterase (bvu_3505) from <i>bacteroides3 vulgatus</i> atcc 8482 at 2.20 a resolution
21	c4joiA		not modelled	97.8	20	PDB header: dna binding protein Chain: A: PDB Molecule: cst complex subunit stn1; PDBTitle: crystal structure of the human telomeric stn1-ten1 complex
22	c6k0aC		not modelled	97.7	14	PDB header: rna binding protein/rna Chain: C: PDB Molecule: ribonuclease p protein component 3; PDBTitle: cryo-em structure of an archaeal ribonuclease p
23	d1eloa1		not modelled	97.6	12	Fold: OB-fold Superfamily: Nucleic acid-binding proteins Family: Anticodon-binding domain
24	c3kf6A		not modelled	97.6	21	PDB header: structural protein Chain: A: PDB Molecule: protein stn1; PDBTitle: crystal structure of <i>s. pombe</i> stn1-ten1 complex
25	d1c0aa1		not modelled	97.6	24	Fold: OB-fold Superfamily: Nucleic acid-binding proteins Family: Anticodon-binding domain
26	c6ns0A		not modelled	97.6	16	PDB header: ligase Chain: A: PDB Molecule: lysine--trna ligase; PDBTitle: crystal structure of lysyl-trna synthetase from <i>chlamydia trachomatis2</i> complexed with l-lysine and cladosporin
27	c5hgqD		not modelled	97.5	13	PDB header: ligase/ligase inhibitor Chain: D: PDB Molecule: lysine--trna ligase; PDBTitle: <i>loa loa</i> lysyl-trna synthetase in complex with cladosporin.
28	d1b8aa1		not modelled	97.5	16	Fold: OB-fold Superfamily: Nucleic acid-binding proteins Family: Anticodon-binding domain
29	c5zg8A		not modelled	97.5	20	PDB header: ligase Chain: A: PDB Molecule: asparagine--trna ligase;

					PDBTitle: crystal structure of tttrs
30	d1gm5a2	Alignment	not modelled	97.5	Fold: OB-fold Superfamily: Nucleic acid-binding proteins Family: RecG "wedge" domain
31	c4upaA	Alignment	not modelled	97.5	PDB header: ligase Chain: A: PDB Molecule: lysine--trna ligase; PDBTitle: crystal structure of entamoeba histolytica lysyl-trna synthetase in2 complex with amppnp
32	d1bbua1	Alignment	not modelled	97.5	Fold: OB-fold Superfamily: Nucleic acid-binding proteins Family: Anticodon-binding domain
33	c3i7fA	Alignment	not modelled	97.5	PDB header: ligase Chain: A: PDB Molecule: aspartyl-trna synthetase; PDBTitle: aspartyl trna synthetase from entamoeba histolytica
34	c1b8aB	Alignment	not modelled	97.5	PDB header: ligase Chain: B: PDB Molecule: protein (aspartyl-trna synthetase); PDBTitle: aspartyl-trna synthetase
35	c4ex5A	Alignment	not modelled	97.5	PDB header: transferase Chain: A: PDB Molecule: lysine--trna ligase; PDBTitle: crystal structure of lysyl-trna synthetase lysrs from burkholderia2 thailandensis bound to lysine
36	c4h02B	Alignment	not modelled	97.5	PDB header: ligase Chain: B: PDB Molecule: lysyl-trna synthetase; PDBTitle: crystal structure of p. falciparum lysyl-trna synthetase
37	c4gopB	Alignment	not modelled	97.5	PDB header: dna binding protein/dna Chain: B: PDB Molecule: putative uncharacterized protein; PDBTitle: structure and conformational change of a replication protein a2 heterotrimer bound to ssdna
38	c3bjuB	Alignment	not modelled	97.5	PDB header: ligase Chain: B: PDB Molecule: lysyl-trna synthetase; PDBTitle: crystal structure of tetrameric form of human lysyl-trna synthetase
39	c4owxB	Alignment	not modelled	97.5	PDB header: dna binding protein/dna Chain: B: PDB Molecule: soss complex subunit b1; PDBTitle: structural basis of soss1 in complex with a 12nt ssdna
40	c4up8A	Alignment	not modelled	97.4	PDB header: ligase Chain: A: PDB Molecule: lysine--trna ligase; PDBTitle: crystal structure of entamoeba histolytica lysyl-trna synthetase apo2 form
41	c1x55A	Alignment	not modelled	97.4	PDB header: ligase Chain: A: PDB Molecule: asparaginyl-trna synthetase; PDBTitle: crystal structure of asparaginyl-trna synthetase from pyrococcus2 horikoshii complexed with asparaginyl-adenylate analogue
42	d2edu1	Alignment	not modelled	97.4	Fold: SAM domain-like Superfamily: RuvA domain 2-like Family: ComEA-like
43	c3e9hb	Alignment	not modelled	97.4	PDB header: ligase Chain: B: PDB Molecule: lysyl-trna synthetase; PDBTitle: lysyl-trna synthetase from bacillus stearothermophilus2 complexed with l-lysylsulfamoyl adenosine
44	c5elnC	Alignment	not modelled	97.4	PDB header: ligase Chain: C: PDB Molecule: lysine--trna ligase; PDBTitle: crystal structure of lysyl-trna synthetase from cryptosporidium parvum2 complexed with l-lysine
45	c5vl1D	Alignment	not modelled	97.4	PDB header: ligase Chain: D: PDB Molecule: lysine--trna ligase; PDBTitle: crystal structure of lysyl-trna synthetase from mycobacterium ulcerans2 complexed with l-lysine
46	c4j15A	Alignment	not modelled	97.4	PDB header: ligase Chain: A: PDB Molecule: aspartate--trna ligase, cytoplasmic; PDBTitle: crystal structure of human cytosolic aspartyl-trna synthetase, a2 component of multi-trna synthetase complex
47	c5groA	Alignment	not modelled	97.3	PDB header: ligase Chain: A: PDB Molecule: aspartate--trna(asp/asn) ligase; PDBTitle: crystal structure of the n-terminal anticodon-binding domain of non-2 discriminating aspartyl-trna synthetase from helicobacter pylori
48	c1eqrC	Alignment	not modelled	97.3	PDB header: ligase Chain: C: PDB Molecule: aspartyl-trna synthetase; PDBTitle: crystal structure of free aspartyl-trna synthetase from2 escherichia coli
49	c4o2dB	Alignment	not modelled	97.3	PDB header: ligase Chain: B: PDB Molecule: aspartate--trna ligase; PDBTitle: crystal structure of aspartyl-trna synthetase from mycobacterium2 smegmatis with bound aspartic acid
50	c6od8A	Alignment	not modelled	97.3	PDB header: ligase Chain: A: PDB Molecule: putative aspartyl-trna synthetase; PDBTitle: crystal structure of a putative aspartyl-trna synthetase from2 leishmania major friedlin
51	c3dm3A	Alignment	not modelled	97.3	PDB header: replication Chain: A: PDB Molecule: replication factor a; PDBTitle: crystal structure of a domain of a replication factor a2 protein, from methanococcoides jannaschii. northeast3 structural genomics target mjr118e
52	c2xgtB	Alignment	not modelled	97.2	PDB header: ligase Chain: B: PDB Molecule: asparaginyl-trna synthetase, cytoplasmic; PDBTitle: asparaginyl-trna synthetase from brugia malayi complexed2 with the sulphamoyl analogue of asparaginyl-adenylate
53	c3m4qA	Alignment	not modelled	97.2	PDB header: ligase Chain: A: PDB Molecule: asparaginyl-trna synthetase, putative; PDBTitle: entamoeba histolytica asparaginyl-trna synthetase (asnrs)
54	c4gn5A	Alignment	not modelled	97.2	PDB header: de novo protein/hydrolase Chain: A: PDB Molecule: obody am3l15; PDBTitle: obody am3l15 bound to hen egg-white lysozyme
					PDB header: replication

55	c3e0eA	Alignment	not modelled	97.2	11	Chain: A: PDB Molecule: replication protein a; PDBTitle: crystal structure of a domain of replication protein a from2 methanococcus maripaludis. northeast structural genomics3 target mrr110b
56	c1wydB	Alignment	not modelled	97.2	18	PDB header: ligase Chain: B: PDB Molecule: hypothetical aspartyl-trna synthetase; PDBTitle: crystal structure of aspartyl-trna synthetase from sulfolobus tokodaii
57	c1e22A	Alignment	not modelled	97.2	12	PDB header: ligase Chain: A: PDB Molecule: lysyl-trna synthetase; PDBTitle: lysyl-trna synthetase (lysu) hexagonal form complexed with2 lysine and the non-hydrolysable atp analogue amp-pcp
58	d1l0wa1	Alignment	not modelled	97.1	14	Fold: OB-fold Superfamily: Nucleic acid-binding proteins Family: Anticodon-binding domain
59	c5xixD	Alignment	not modelled	97.1	19	PDB header: ligase Chain: D: PDB Molecule: asparagine--trna ligase, cytoplasmic; PDBTitle: the canonical domain of human asparaginyl-trna synthetase
60	c4wj4A	Alignment	not modelled	97.1	23	PDB header: ligase/rna Chain: A: PDB Molecule: aspartate--trna(asp/asn) ligase; PDBTitle: crystal structure of non-discriminating aspartyl-trna synthetase from2 pseudomonas aeruginosa complexed with trna(asn) and aspartic acid
61	c2k50A	Alignment	not modelled	97.1	13	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: replication factor a related protein; PDBTitle: solution nmr structure of the replication factor a related2 protein from methanobacterium thermoautotrophicum.3 northeast structural genomics target tr91a.
62	d2pi2a1	Alignment	not modelled	97.1	17	Fold: OB-fold Superfamily: Nucleic acid-binding proteins Family: Single strand DNA-binding domain, SSB
63	clasyA	Alignment	not modelled	97.0	12	PDB header: complex (aminoacyl-trna synthetase/trna) Chain: A: PDB Molecule: aspartyl-trna synthetase; PDBTitle: class ii aminoacyl transfer rna synthetases: crystal2 structure of yeast aspartyl-trna synthetase complexed with3 trna asp
64	d1n9wa1	Alignment	not modelled	97.0	18	Fold: OB-fold Superfamily: Nucleic acid-binding proteins Family: Anticodon-binding domain
65	d1eoval	Alignment	not modelled	97.0	13	Fold: OB-fold Superfamily: Nucleic acid-binding proteins Family: Anticodon-binding domain
66	c2pi2A	Alignment	not modelled	97.0	17	PDB header: replication, dna binding protein Chain: A: PDB Molecule: replication protein a 32 kda subunit; PDBTitle: full-length replication protein a subunits rpa14 and rpa32
67	c1efwA	Alignment	not modelled	96.9	16	PDB header: ligase/rna Chain: A: PDB Molecule: aspartyl-trna synthetase; PDBTitle: crystal structure of aspartyl-trna synthetase from thermus2 thermophilus complexed to trnaasp from escherichia coli
68	c4glaD	Alignment	not modelled	96.8	19	PDB header: hydrolase/de novo protein Chain: D: PDB Molecule: obody nl8; PDBTitle: obody nl8 bound to hen egg-white lysozyme
69	d1o7ia	Alignment	not modelled	96.8	20	Fold: OB-fold Superfamily: Nucleic acid-binding proteins Family: Single strand DNA-binding domain, SSB
70	c1n9wA	Alignment	not modelled	96.7	15	PDB header: biosynthetic protein Chain: A: PDB Molecule: aspartyl-trna synthetase 2; PDBTitle: crystal structure of the non-discriminating and archaeal-2 type aspartyl-trna synthetase from thermus thermophilus
71	c4ah6B	Alignment	not modelled	96.7	18	PDB header: ligase Chain: B: PDB Molecule: aspartate--trna ligase, mitochondrial; PDBTitle: human mitochondrial aspartyl-trna synthetase
72	c3vdyA	Alignment	not modelled	96.7	19	PDB header: dna binding protein/dna Chain: A: PDB Molecule: single-stranded dna-binding protein ssbb; PDBTitle: b. subtilis ssbb/ssdna
73	c3kf8C	Alignment	not modelled	96.6	15	PDB header: structural protein Chain: C: PDB Molecule: protein stn1; PDBTitle: crystal structure of c. tropicalis stn1-ten1 complex
74	c5ihcB	Alignment	not modelled	96.6	20	PDB header: transferase Chain: B: PDB Molecule: dna polymerase ii small subunit; PDBTitle: d-family dna polymerase - dp1 subunit (3'-5' proof-reading2 exonuclease)
75	d2i5ha1	Alignment	not modelled	96.5	15	Fold: AF1531-like Superfamily: AF1531-like Family: AF1531-like
76	c2i5hA	Alignment	not modelled	96.5	15	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: hypothetical protein af1531; PDBTitle: crystal structure of af1531 from archaeoglobus fulgidus,2 pfam duf655
77	c3eivB	Alignment	not modelled	96.4	16	PDB header: dna binding protein Chain: B: PDB Molecule: single-stranded dna-binding protein 2; PDBTitle: crystal structure of single-stranded dna-binding protein2 from streptomyces coelicolor
78	c6i52B	Alignment	not modelled	96.3	18	PDB header: dna binding protein Chain: B: PDB Molecule: replication factor a protein 2; PDBTitle: yeast rpa bound to ssdna
79	c1z9fA	Alignment	not modelled	96.3	15	PDB header: dna binding protein Chain: A: PDB Molecule: single-strand binding protein; PDBTitle: crystal structure of single stranded dna-binding protein (tm0604) from2 thermotoga maritima at 2.60 a resolution
80	d1xjva1	Alignment	not modelled	96.3	14	Fold: OB-fold Superfamily: Nucleic acid-binding proteins Family: Single strand DNA-binding domain, SSB
						PDB header: transferase

81	c3tqyA	Alignment	not modelled	96.3	24	Chain: A: PDB Molecule: single-stranded dna-binding protein; PDBTitle: structure of a single-stranded dna-binding protein (ssb), from2 coxiella burnetii
82	c1gm5A	Alignment	not modelled	96.3	15	PDB header: helicase Chain: A: PDB Molecule: recg; PDBTitle: structure of recg bound to three-way dna junction
83	c5ol9A	Alignment	not modelled	96.3	19	PDB header: transcription Chain: A: PDB Molecule: transcription elongation factor, mitochondrial; PDBTitle: structure of human mitochondrial transcription elongation factor2 (tefm) n-terminal domain
84	c1ynxA	Alignment	not modelled	96.2	16	PDB header: dna binding protein Chain: A: PDB Molecule: replication factor-a protein 1; PDBTitle: solution structure of dna binding domain a (dbd-a) of2 s.cerevisiae replication protein a (rpa)
85	c2k75A	Alignment	not modelled	96.2	20	PDB header: dna binding protein Chain: A: PDB Molecule: uncharacterized protein ta0387; PDBTitle: solution nmr structure of the ob domain of ta0387 from2 thermoplasma acidophilum. northeast structural genomics3 consortium target tar80B.
86	c2cwA	Alignment	not modelled	96.1	17	PDB header: dna binding protein Chain: A: PDB Molecule: single-strand binding protein; PDBTitle: crystal structure of the single-stranded dna binding protein from2 thermus thermophilus hb8
87	d1krta	Alignment	not modelled	96.1	14	Fold: OB-fold Superfamily: Nucleic acid-binding proteins Family: Anticodon-binding domain
88	d1v1qa	Alignment	not modelled	96.0	16	Fold: OB-fold Superfamily: Nucleic acid-binding proteins Family: Single strand DNA-binding domain, SSB
89	c5xgtA	Alignment	not modelled	96.0	18	PDB header: dna binding protein Chain: A: PDB Molecule: single-stranded dna-binding protein; PDBTitle: crystal structure of the n-terminal domain of staphylococcus aureus2 single-stranded dna-binding protein ssba at 1.82 angstrom resolution
90	c2kenA	Alignment	not modelled	96.0	15	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: conserved protein; PDBTitle: solution nmr structure of the ob domain (residues 67-166)2 of mm0293 from methanoscarcina mazei. northeast structural3 genomics consortium target mar214a.
91	d1eyga	Alignment	not modelled	95.8	20	Fold: OB-fold Superfamily: Nucleic acid-binding proteins Family: Single strand DNA-binding domain, SSB
92	c5odnG	Alignment	not modelled	95.8	15	PDB header: dna binding protein Chain: G: PDB Molecule: single-stranded dna-binding protein; PDBTitle: salinibacter ruber single-strand binding protein
93	c1xjvA	Alignment	not modelled	95.7	14	PDB header: transcription/dna Chain: A: PDB Molecule: protection of telomeres 1; PDBTitle: crystal structure of human pot1 bound to telomeric single-2 stranded dna (ttagggttag)
94	d1wjia	Alignment	not modelled	95.7	17	Fold: OB-fold Superfamily: Nucleic acid-binding proteins Family: Single strand DNA-binding domain, SSB
95	c2iheA	Alignment	not modelled	95.7	15	PDB header: dna binding protein Chain: A: PDB Molecule: single-stranded dna-binding protein; PDBTitle: crystal structure of wild-type single-stranded dna binding protein2 from thermus aquaticus
96	d3bzka1	Alignment	not modelled	95.6	18	Fold: SAM domain-like Superfamily: RuvA domain 2-like Family: Tex HhH-containing domain-like
97	d1qyca	Alignment	not modelled	95.6	20	Fold: OB-fold Superfamily: Nucleic acid-binding proteins Family: Single strand DNA-binding domain, SSB
98	c1qvca	Alignment	not modelled	95.6	20	PDB header: dna binding protein Chain: A: PDB Molecule: single stranded dna binding protein monomer; PDBTitle: crystal structure analysis of single stranded dna binding protein2 (ssb) from e.coli
99	d1jmca1	Alignment	not modelled	95.6	17	Fold: OB-fold Superfamily: Nucleic acid-binding proteins Family: Single strand DNA-binding domain, SSB
100	c1fguA	Alignment	not modelled	95.5	18	PDB header: replication Chain: A: PDB Molecule: replication protein a 70 kda dna-binding subunit; PDBTitle: ssdna-binding domain of the large subunit of replication2 protein a
101	c3kojA	Alignment	not modelled	95.4	8	PDB header: dna binding protein Chain: A: PDB Molecule: uncharacterized protein ycf41; PDBTitle: crystal structure of the ssb domain of q5n255_snp6 protein from2 synechococcus sp. northeast structural genomics consortium target3 snr59a.
102	c2ihfA	Alignment	not modelled	95.4	13	PDB header: dna binding protein Chain: A: PDB Molecule: single-stranded dna-binding protein; PDBTitle: crystal structure of deletion mutant delta 228-252 r190a of the2 single-stranded dna binding protein from thermus aquaticus
103	d1se8a	Alignment	not modelled	95.0	14	Fold: OB-fold Superfamily: Nucleic acid-binding proteins Family: Single strand DNA-binding domain, SSB
104	c1se8A	Alignment	not modelled	95.0	14	PDB header: dna binding protein Chain: A: PDB Molecule: single-strand binding protein; PDBTitle: structure of single-stranded dna-binding protein (ssb) from d.2 radiodurans
105	d1ue1a	Alignment	not modelled	94.9	14	Fold: OB-fold Superfamily: Nucleic acid-binding proteins Family: Single strand DNA-binding domain, SSB

106	c1s5lu	Alignment	not modelled	94.9	17	PDB header: photosynthesis Chain: U: PDB Molecule: photosystem ii 12 kda extrinsic protein; PDBTitle: architecture of the photosynthetic oxygen evolving center
107	c5gqoB	Alignment	not modelled	94.8	10	PDB header: dna binding protein Chain: B: PDB Molecule: single-stranded dna-binding protein; PDBTitle: structure of the second single stranded dna binding protein (ssbp)2 from mycobacterium smegmatis
108	d3ulla	Alignment	not modelled	94.7	15	Fold: OB-fold Superfamily: Nucleic acid-binding proteins Family: Single strand DNA-binding domain, SSB
109	c3lgjA	Alignment	not modelled	94.6	15	PDB header: dna binding protein Chain: A: PDB Molecule: single-stranded dna-binding protein; PDBTitle: crystal structure of single-stranded binding protein (ssb) from2 bartonella henselae
110	c1ue7A	Alignment	not modelled	94.5	13	PDB header: dna binding protein Chain: A: PDB Molecule: single-strand binding protein; PDBTitle: crystal structure of the single-stranded dna-binding2 protein from mycobacterium tuberculosis
111	d1qzga	Alignment	not modelled	94.3	19	Fold: OB-fold Superfamily: Nucleic acid-binding proteins Family: Single strand DNA-binding domain, SSB
112	c5vbnE	Alignment	not modelled	94.3	16	PDB header: transferase Chain: E: PDB Molecule: dna polymerase epsilon subunit 2; PDBTitle: crystal structure of human dna polymerase epsilon b-subunit in complex2 with c-terminal domain of catalytic subunit
113	c1k8gC	Alignment	not modelled	94.2	8	PDB header: dna binding protein/dna Chain: C: PDB Molecule: telomere-binding protein alpha subunit; PDBTitle: crystal structure of the n-terminal domain of oxytricha2 nova telomere end binding protein alpha subunit both3 uncomplexed and complexed with telomeric ssdna
114	c3pgzB	Alignment	not modelled	94.2	14	PDB header: dna binding protein Chain: B: PDB Molecule: single-stranded dna-binding protein; PDBTitle: crystal structure of a single strand binding protein (ssb) from2 bartonella henselae
115	c2vw9B	Alignment	not modelled	94.0	20	PDB header: dna-binding protein Chain: B: PDB Molecule: single-stranded dna binding protein; PDBTitle: single stranded dna binding protein complex from2 helicobacter pylori
116	d1jb7a1	Alignment	not modelled	93.9	8	Fold: OB-fold Superfamily: Nucleic acid-binding proteins Family: Single strand DNA-binding domain, SSB
117	c6hv9B	Alignment	not modelled	93.9	22	PDB header: dna binding protein Chain: B: PDB Molecule: dna polymerase epsilon subunit b; PDBTitle: s. cerevisiae cmg-pol epsilon-dna
118	c6cqoH	Alignment	not modelled	93.8	15	PDB header: dna binding protein Chain: H: PDB Molecule: single-stranded dna-binding protein rim1, mitochondrial; PDBTitle: crystal structure of mitochondrial single-stranded dna binding2 proteins from s. cerevisiae (semet labeled), rim1 (form2)
119	c6bwya	Alignment	not modelled	93.5	19	PDB header: hydrolase Chain: A: PDB Molecule: protection of telomeres protein 1, dna dc->du-editing PDBTitle: dna substrate selection by apobec3g
120	d2axtu1	Alignment	not modelled	93.5	17	Fold: SAM domain-like Superfamily: PsbU/PolX domain-like Family: PsbU-like