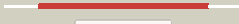
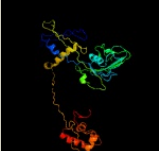


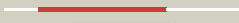




























Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD3457c_(rpoA)_3877643_3878686
Date	Fri Aug 9 18:20:13 BST 2019
Unique Job ID	dd43684fec6835e5

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c3iydA_	 Alignment		100.0	43	PDB header: transcription/dna Chain: A: PDB Molecule: dna-directed rna polymerase subunit alpha; PDBTitle: three-dimensional em structure of an intact activator-dependent2 transcription initiation complex
2	c5i2dA_	 Alignment		100.0	47	PDB header: transcription/dna/rna Chain: A: PDB Molecule: dna-directed rna polymerase subunit alpha; PDBTitle: crystal structure of t. thermophilus tthb099 class ii transcription2 activation complex: tap-rpo
3	c5tw1A_	 Alignment		100.0	93	PDB header: transcription activator/transferase/dna Chain: A: PDB Molecule: dna-directed rna polymerase subunit alpha; PDBTitle: crystal structure of a mycobacterium smegmatis transcription2 initiation complex with rbpA
4	c4noiA_	 Alignment		100.0	31	PDB header: transferase Chain: A: PDB Molecule: dna-directed rna polymerase subunit alpha; PDBTitle: 2.17 angstrom crystal structure of dna-directed rna polymerase subunit2 alpha from campylobacter jejuni.
5	c1bdfC_	 Alignment		100.0	44	PDB header: nucleotidyltransferase Chain: C: PDB Molecule: rna polymerase alpha subunit; PDBTitle: structure of escherichia coli rna polymerase alpha subunit2 n-terminal domain
6	c1smyB_	 Alignment		100.0	50	PDB header: transferase Chain: B: PDB Molecule: dna-directed rna polymerase alpha chain; PDBTitle: structural basis for transcription regulation by alarmone2 ppppp
7	c3iydB_	 Alignment		100.0	44	PDB header: transcription/dna Chain: B: PDB Molecule: dna-directed rna polymerase subunit alpha; PDBTitle: three-dimensional em structure of an intact activator-dependent2 transcription initiation complex
8	c6j9eA_	 Alignment		100.0	48	PDB header: transcription Chain: A: PDB Molecule: dna-directed rna polymerase subunit alpha; PDBTitle: cryo-em structure of xanthomonos oryzae transcription elongation2 complex with nusa and the bacteriophage protein p7
9	c5flmC_	 Alignment		100.0	21	PDB header: transcription Chain: C: PDB Molecule: dna-directed rna polymerase ii subunit rpb3; PDBTitle: structure of transcribing mammalian rna polymerase ii
10	c1i6hC_	 Alignment		100.0	17	PDB header: transcription/dna-rna hybrid Chain: C: PDB Molecule: dna-directed rna polymerase ii 45kd polypeptide; PDBTitle: rna polymerase ii elongation complex
11	c3howC_	 Alignment		100.0	17	PDB header: transcription,transferase/dna/rna hybrid Chain: C: PDB Molecule: dna-directed rna polymerase ii subunit rpb3; PDBTitle: complete rna polymerase ii elongation complex iii with a t-u2 mismatch and a frayed rna 3'-uridine

12	c5x50C_	Alignment		100.0	21	PDB header: transferase Chain: C: PDB Molecule: rna polymerase ii third largest subunit b44, part of PDBTitle: rna polymerase ii from komagataella pastoris (type-2 crystal)
13	c2pmz5_	Alignment		100.0	23	PDB header: translation, transferase Chain: S: PDB Molecule: dna-directed rna polymerase subunit d; PDBTitle: archaeal rna polymerase from sulfolobus solfataricus
14	c4c3hC_	Alignment		100.0	18	PDB header: transcription Chain: C: PDB Molecule: dna-directed rna polymerases i and iii subunit rpac1; PDBTitle: structure of 14-subunit rna polymerase i at 3.27 a resolution,2 crystal form c2-93
15	c3h0gO_	Alignment		100.0	21	PDB header: transcription Chain: O: PDB Molecule: dna-directed rna polymerase ii subunit rpb3; PDBTitle: rna polymerase ii from schizosaccharomyces pombe
16	c4qjvC_	Alignment		100.0	20	PDB header: transferase Chain: C: PDB Molecule: dna-directed rna polymerase subunit d; PDBTitle: the x-ray crystal structure of rp03/rpo11 heterodimer of euryarchaeal2 rna polymerase from thermococcus kodakarensis
17	c5fj8C_	Alignment		100.0	19	PDB header: transcription Chain: C: PDB Molecule: dna-directed rna polymerases i and iii subunit rpac1; PDBTitle: cryo-em structure of yeast rna polymerase iii elongation complex at 3.2 9 a
18	d1bdfa2	Alignment		100.0	45	Fold: Insert subdomain of RNA polymerase alpha subunit Superfamily: Insert subdomain of RNA polymerase alpha subunit Family: Insert subdomain of RNA polymerase alpha subunit
19	d1smya2	Alignment		100.0	54	Fold: Insert subdomain of RNA polymerase alpha subunit Superfamily: Insert subdomain of RNA polymerase alpha subunit Family: Insert subdomain of RNA polymerase alpha subunit
20	d1ynja2	Alignment		100.0	56	Fold: Insert subdomain of RNA polymerase alpha subunit Superfamily: Insert subdomain of RNA polymerase alpha subunit Family: Insert subdomain of RNA polymerase alpha subunit
21	d1ynja1	Alignment	not modelled	100.0	49	Fold: DCoH-like Superfamily: RBP11-like subunits of RNA polymerase Family: RNA polymerase alpha subunit dimerisation domain
22	d1bdfa1	Alignment	not modelled	100.0	45	Fold: DCoH-like Superfamily: RBP11-like subunits of RNA polymerase Family: RNA polymerase alpha subunit dimerisation domain
23	d1smya1	Alignment	not modelled	99.9	49	Fold: DCoH-like Superfamily: RBP11-like subunits of RNA polymerase Family: RNA polymerase alpha subunit dimerisation domain
24	c2maxA_	Alignment	not modelled	99.9	28	PDB header: transferase Chain: A: PDB Molecule: dna-directed rna polymerase subunit alpha; PDBTitle: nmr structure of the rna polymerase alpha subunit c-terminal domain2 from helicobacter pylori
25	d1cooa_	Alignment	not modelled	99.9	46	Fold: SAM domain-like Superfamily: C-terminal domain of RNA polymerase alpha subunit Family: C-terminal domain of RNA polymerase alpha subunit
26	d1lb2b_	Alignment	not modelled	99.9	47	Fold: SAM domain-like Superfamily: C-terminal domain of RNA polymerase alpha subunit Family: C-terminal domain of RNA polymerase alpha subunit
27	d1z3eb1	Alignment	not modelled	99.9	52	Fold: SAM domain-like Superfamily: C-terminal domain of RNA polymerase alpha subunit Family: C-terminal domain of RNA polymerase alpha subunit
28	d1doqa_	Alignment	not modelled	99.9	33	Fold: SAM domain-like Superfamily: C-terminal domain of RNA polymerase alpha subunit Family: C-terminal domain of RNA polymerase alpha subunit
29	c5tw1T_	Alignment	not modelled	99.8	100	PDB header: transcription activator/transferase/dna Chain: T: PDB Molecule: dna-directed rna polymerase subunit alpha;

						PDBTitle: crystal structure of a mycobacterium smegmatis transcription2 initiation complex with rbpA
30	d1twfc2	Alignment	not modelled	99.8	17	Fold: Insert subdomain of RNA polymerase alpha subunit Superfamily: Insert subdomain of RNA polymerase alpha subunit Family: Insert subdomain of RNA polymerase alpha subunit
31	d1twfc1	Alignment	not modelled	99.4	24	Fold: DCoH-like Superfamily: RBP11-like subunits of RNA polymerase Family: RNA polymerase alpha subunit dimerisation domain
32	d1twfk_	Alignment	not modelled	97.5	34	Fold: DCoH-like Superfamily: RBP11-like subunits of RNA polymerase Family: RBP11/RpoL
33	c5flmK_	Alignment	not modelled	97.5	45	PDB header: transcription Chain: K; PDB Molecule: dna-directed rna polymerase ii subunit rpb11; PDBTitle: structure of transcribing mammalian rna polymerase ii
34	c5x51K_	Alignment	not modelled	97.5	31	PDB header: transferase Chain: K; PDB Molecule: rna polymerase ii subunit b12.5; PDBTitle: rna polymerase ii from komagataella pastoris (type-3 crystal)
35	d1szpa1	Alignment	not modelled	97.2	25	Fold: SAM domain-like Superfamily: Rad51 N-terminal domain-like Family: DNA repair protein Rad51, N-terminal domain
36	d1b22a_	Alignment	not modelled	96.9	22	Fold: SAM domain-like Superfamily: Rad51 N-terminal domain-like Family: DNA repair protein Rad51, N-terminal domain
37	c1b22A_	Alignment	not modelled	96.9	22	PDB header: dna binding protein Chain: A; PDB Molecule: dna repair protein rad51; PDBTitle: rad51 (n-terminal domain)
38	d1szpb1	Alignment	not modelled	95.5	22	Fold: SAM domain-like Superfamily: Rad51 N-terminal domain-like Family: DNA repair protein Rad51, N-terminal domain
39	c2pmzL_	Alignment	not modelled	95.2	27	PDB header: translation, transferase Chain: L; PDB Molecule: dna-directed rna polymerase subunit I; PDBTitle: archaeal rna polymerase from sulfolobus solfataricus
40	d1xppa_	Alignment	not modelled	95.1	16	Fold: DCoH-like Superfamily: RBP11-like subunits of RNA polymerase Family: RBP11/RpoL
41	c2zj8A_	Alignment	not modelled	95.1	19	PDB header: hydrolase Chain: A; PDB Molecule: putative ski2-type helicase; PDBTitle: archaeal dna helicase hjm apo state in form 2
42	c4c2mK_	Alignment	not modelled	94.8	21	PDB header: transcription Chain: K; PDB Molecule: dna-directed rna polymerases i and iii subunit rpac2; PDBTitle: structure of rna polymerase i at 2.8 a resolution
43	d1pzna1	Alignment	not modelled	94.8	8	Fold: SAM domain-like Superfamily: Rad51 N-terminal domain-like Family: DNA repair protein Rad51, N-terminal domain
44	c1pzna_	Alignment	not modelled	94.4	13	PDB header: recombination Chain: A; PDB Molecule: dna repair and recombination protein rad51; PDBTitle: rad51 (rada)
45	d2i1qa1	Alignment	not modelled	93.9	16	Fold: SAM domain-like Superfamily: Rad51 N-terminal domain-like Family: DNA repair protein Rad51, N-terminal domain
46	c4qiwU_	Alignment	not modelled	93.9	24	PDB header: transcription Chain: U; PDB Molecule: dna-directed rna polymerase subunit I; PDBTitle: crystal structure of euryarchaeal rna polymerase from thermococcus2 kodakarensis
47	c3ldaA_	Alignment	not modelled	93.5	24	PDB header: dna binding protein Chain: A; PDB Molecule: dna repair protein rad51; PDBTitle: yeast rad51 h352y filament interface mutant
48	c5lm7A_	Alignment	not modelled	93.0	21	PDB header: transcription Chain: A; PDB Molecule: transcription termination/antitermination protein nusa; PDBTitle: crystal structure of the lambda n-nus factor complex
49	c1t4gA_	Alignment	not modelled	92.7	17	PDB header: recombination Chain: A; PDB Molecule: dna repair and recombination protein rada; PDBTitle: atpase in complex with amp-pnp
50	c2df1A_	Alignment	not modelled	92.7	17	PDB header: recombination Chain: A; PDB Molecule: dna repair and recombination protein rada; PDBTitle: crystal structure of left-handed rada filament
51	c3h0gK_	Alignment	not modelled	92.6	25	PDB header: transcription Chain: K; PDB Molecule: dna-directed rna polymerase ii subunit rpb11; PDBTitle: rna polymerase ii from schizosaccharomyces pombe
52	c6flqF_	Alignment	not modelled	92.3	21	PDB header: transcription Chain: F; PDB Molecule: transcription termination/antitermination protein nusa; PDBTitle: cryoem structure of e.coli rna polymerase paused elongation complex2 bound to nusa
53	d1dgsa1	Alignment	not modelled	92.1	24	Fold: SAM domain-like Superfamily: RuvA domain 2-like Family: NAD+-dependent DNA ligase, domain 3
54	c4glxA_	Alignment	not modelled	90.0	24	PDB header: ligase/ligase inhibitor/dna Chain: A; PDB Molecule: dna ligase; PDBTitle: dna ligase a in complex with inhibitor
55	c2owoA_	Alignment	not modelled	89.8	24	PDB header: ligase/dna Chain: A; PDB Molecule: dna ligase; PDBTitle: last stop on the road to repair: structure of e.coli dna ligase bound2 to nicked dna-adenylate

56	c1t3nB	Alignment	not modelled	87.1	13	PDB header: replication/dna Chain: B: PDB Molecule: polymerase (dna directed) iota; PDBTitle: structure of the catalytic core of dna polymerase iota in complex with2 dna and dttp
57	d1k1sa2	Alignment	not modelled	86.9	12	Fold: DNA/RNA polymerases Superfamily: DNA/RNA polymerases Family: Lesion bypass DNA polymerase (Y-family), catalytic domain
58	c5jzcG	Alignment	not modelled	86.9	21	PDB header: dna binding protein Chain: G: PDB Molecule: dna repair protein rad51 homolog 1; PDBTitle: helical filament
59	c1szpC	Alignment	not modelled	86.0	20	PDB header: dna binding protein Chain: C: PDB Molecule: dna repair protein rad51; PDBTitle: a crystal structure of the rad51 filament
60	c1dgsB	Alignment	not modelled	85.9	24	PDB header: ligase Chain: B: PDB Molecule: dna ligase; PDBTitle: crystal structure of nad+-dependent dna ligase from t.2 filiformis
61	c4mntnA	Alignment	not modelled	84.9	11	PDB header: transcription regulator Chain: A: PDB Molecule: transcription termination factor nusa; PDBTitle: crystal structure of transcription termination factor nusa from2 planctomyces limnophilus dsm 3776
62	c2mutA	Alignment	not modelled	84.2	21	PDB header: hydrolase Chain: A: PDB Molecule: dna excision repair protein ercc-1; PDBTitle: solution structure of the f231l mutant ercc1-xpf dimerization region
63	d2bgwa1	Alignment	not modelled	84.0	18	Fold: SAM domain-like Superfamily: RuvA domain 2-like Family: Hef domain-like
64	c1k1qA	Alignment	not modelled	83.8	11	PDB header: transcription Chain: A: PDB Molecule: dbh protein; PDBTitle: crystal structure of a dinb family error prone dna2 polymerase from sulfolobus solfataricus
65	c1v9pB	Alignment	not modelled	83.7	18	PDB header: ligase Chain: B: PDB Molecule: dna ligase; PDBTitle: crystal structure of nad+-dependent dna ligase
66	d2a1jb1	Alignment	not modelled	83.5	21	Fold: SAM domain-like Superfamily: RuvA domain 2-like Family: Hef domain-like
67	d1zeta2	Alignment	not modelled	82.9	17	Fold: DNA/RNA polymerases Superfamily: DNA/RNA polymerases Family: Lesion bypass DNA polymerase (Y-family), catalytic domain
68	d2q0zx1	Alignment	not modelled	82.2	12	Fold: Sec63 N-terminal domain-like Superfamily: Sec63 N-terminal domain-like Family: Sec63 N-terminal domain
69	c3im2A	Alignment	not modelled	82.1	10	PDB header: hydrolase Chain: A: PDB Molecule: pre-mrna-splicing helicase brr2; PDBTitle: structure of the c-terminal sec63 unit of yeast brr2, p41212 form
70	d1u9la	Alignment	not modelled	81.9	19	Fold: SAM domain-like Superfamily: Rad51 N-terminal domain-like Family: NusA extra C-terminal domains
71	c1kftA	Alignment	not modelled	81.5	13	PDB header: dna binding protein Chain: A: PDB Molecule: excinuclease abc subunit c; PDBTitle: solution structure of the c-terminal domain of uvrc from e-2 coli
72	d1kfta	Alignment	not modelled	81.5	13	Fold: SAM domain-like Superfamily: RuvA domain 2-like Family: Excinuclease UvrC C-terminal domain
73	c4ir1A	Alignment	not modelled	80.9	21	PDB header: transferase/dna Chain: A: PDB Molecule: dna polymerase iv; PDBTitle: polymerase-dna complex
74	c4bgdA	Alignment	not modelled	80.6	10	PDB header: transcription Chain: A: PDB Molecule: pre-mrna-splicing helicase brr2; PDBTitle: crystal structure of brr2 in complex with the jab1/mpn domain of prp8
75	c3gqcB	Alignment	not modelled	79.5	22	PDB header: transferase/dna Chain: B: PDB Molecule: dna repair protein rev1; PDBTitle: structure of human rev1-dna-dntp ternary complex
76	c4bxoA	Alignment	not modelled	77.9	8	PDB header: hydrolase/dna Chain: A: PDB Molecule: fanconi anemia group m protein; PDBTitle: architecture and dna recognition elements of the fanconi anemia fancm-2 faap24 complex
77	d1jx4a2	Alignment	not modelled	76.3	16	Fold: DNA/RNA polymerases Superfamily: DNA/RNA polymerases Family: Lesion bypass DNA polymerase (Y-family), catalytic domain
78	d1x2ia1	Alignment	not modelled	74.1	18	Fold: SAM domain-like Superfamily: RuvA domain 2-like Family: Hef domain-like
79	c2kp7A	Alignment	not modelled	72.8	22	PDB header: hydrolase Chain: A: PDB Molecule: crossover junction endonuclease mus81; PDBTitle: solution nmr structure of the mus81 n-terminal hhh.2 northeast structural genomics consortium target mmt1a
80	c2va8A	Alignment	not modelled	72.4	19	PDB header: hydrolase Chain: A: PDB Molecule: ski2-type helicase; PDBTitle: dna repair helicase hel308
81	c2bhnD	Alignment	not modelled	72.2	16	PDB header: hydrolase Chain: D: PDB Molecule: xpf endonuclease; PDBTitle: xpf from aeropyrum pernix
82	c1s97D	Alignment	not modelled	71.7	16	PDB header: transferase/dna Chain: D: PDB Molecule: dna polymerase iv; PDBTitle: dpo4 with gt mismatch

83	d1t94a2	Alignment	not modelled	69.1	24	Fold: DNA/RNA polymerases Superfamily: DNA/RNA polymerases Family: Lesion bypass DNA polymerase (Y-family), catalytic domain
84	c2fIIA_	Alignment	not modelled	66.9	13	PDB header: replication/dna Chain: A; PDB Molecule: dna polymerase iota; PDBTitle: ternary complex of human dna polymerase iota with dna and dttp
85	d1cuka2	Alignment	not modelled	65.5	16	Fold: SAM domain-like Superfamily: RuvA domain 2-like Family: DNA helicase RuvA subunit, middle domain
86	d1gm5a2	Alignment	not modelled	64.5	18	Fold: OB-fold Superfamily: Nucleic acid-binding proteins Family: RecG "wedge" domain
87	c5lqwC_	Alignment	not modelled	64.4	13	PDB header: splicing Chain: C; PDB Molecule: pre-mrna-splicing helicase brr2; PDBTitle: yeast activated spliceosome
88	c5m52B_	Alignment	not modelled	62.6	14	PDB header: hydrolase Chain: B; PDB Molecule: pre-mrna-splicing helicase brr2; PDBTitle: crystal structure of yeast brr2 full-length in complex with prp8 jab12 domain
89	c2kz3A_	Alignment	not modelled	60.7	19	PDB header: unknown function Chain: A; PDB Molecule: putative uncharacterized protein rad5113; PDBTitle: backbone 1h, 13c, and 15n chemical shift assignments for human rad51d2 from 1 to 83
90	d1ixra1	Alignment	not modelled	59.1	12	Fold: SAM domain-like Superfamily: RuvA domain 2-like Family: DNA helicase RuvA subunit, middle domain
91	c5dcaA_	Alignment	not modelled	58.6	13	PDB header: hydrolase Chain: A; PDB Molecule: pre-mrna-splicing helicase brr2; PDBTitle: crystal structure of yeast full length brr2 in complex with prp8 jab12 domain
92	c1ixrA_	Alignment	not modelled	58.1	11	PDB header: hydrolase Chain: A; PDB Molecule: holliday junction dna helicase ruva; PDBTitle: ruva-ruvb complex
93	d1feua_	Alignment	not modelled	57.2	28	Fold: Ribosomal protein L25-like Superfamily: Ribosomal protein L25-like Family: Ribosomal protein L25-like
94	c1wcnA_	Alignment	not modelled	54.2	20	PDB header: rna-binding protein Chain: A; PDB Molecule: transcription elongation protein nusa; PDBTitle: nmr structure of the carboxyterminal domains of escherichia2 coli nusa
95	c1d8IA_	Alignment	not modelled	53.7	16	PDB header: gene regulation Chain: A; PDB Molecule: protein (holliday junction dna helicase ruva); PDBTitle: e. coli holliday junction binding protein ruva nh2 region lacking2 domain iii
96	c2w9mB_	Alignment	not modelled	51.1	20	PDB header: dna replication Chain: B; PDB Molecule: polymerase x; PDBTitle: structure of family x dna polymerase from deinococcus2 radiodurans
97	c2rrdA_	Alignment	not modelled	50.4	18	PDB header: dna binding protein Chain: A; PDB Molecule: hrdc domain from bloom syndrome protein; PDBTitle: structure of hrdc domain from human bloom syndrome protein, blm
98	c5oI9A_	Alignment	not modelled	49.3	21	PDB header: transcription Chain: A; PDB Molecule: transcription elongation factor, mitochondrial; PDBTitle: structure of human mitochondrial transcription elongation factor2 (tefm) n-terminal domain
99	c4dezA_	Alignment	not modelled	47.6	17	PDB header: transferase Chain: A; PDB Molecule: dna polymerase iv 1; PDBTitle: structure of msdpo4
100	d2edua1	Alignment	not modelled	47.5	19	Fold: SAM domain-like Superfamily: RuvA domain 2-like Family: ComEA-like
101	c1s5lu_	Alignment	not modelled	46.2	15	PDB header: photosynthesis Chain: U; PDB Molecule: photosystem ii 12 kda extrinsic protein; PDBTitle: architecture of the photosynthetic oxygen evolving center
102	d1kkha2	Alignment	not modelled	45.9	16	Fold: Ferredoxin-like Superfamily: GHMP Kinase, C-terminal domain Family: Mevalonate kinase
103	c4f92B_	Alignment	not modelled	43.6	12	PDB header: hydrolase Chain: B; PDB Molecule: u5 small nuclear ribonucleoprotein 200 kda helicase; PDBTitle: brr2 helicase region s1087I
104	c5o60W_	Alignment	not modelled	43.0	20	PDB header: ribosome Chain: W; PDB Molecule: 50s ribosomal protein l25; PDBTitle: structure of the 50s large ribosomal subunit from mycobacterium2 smegmatis
105	d2zjrs1	Alignment	not modelled	39.8	31	Fold: Ribosomal protein L25-like Superfamily: Ribosomal protein L25-like Family: Ribosomal protein L25-like
106	d2axtu1	Alignment	not modelled	39.3	15	Fold: SAM domain-like Superfamily: PsbU/PolX domain-like Family: PsbU-like
107	c6ah0D_	Alignment	not modelled	39.1	14	PDB header: splicing Chain: D; PDB Molecule: u5 small nuclear ribonucleoprotein 200 kda helicase; PDBTitle: the cryo-em structure of the precursor of human pre-catalytic2 spliceosome (pre-b complex)
108	d1im4a_	Alignment	not modelled	38.6	14	Fold: DNA/RNA polymerases Superfamily: DNA/RNA polymerases Family: Lesion bypass DNA polymerase (Y-family), catalytic domain

109	d1k47a2	Alignment	not modelled	37.2	16	Fold: Ferredoxin-like Superfamily: GHMP Kinase, C-terminal domain Family: Phosphomevalonate kinase (PMK)
110	c4pqlB_	Alignment	not modelled	37.1	24	PDB header: dna binding protein Chain: B: PDB Molecule: truncated replication protein repa; PDBTitle: n-terminal domain of dna binding protein
111	d1bvsa2	Alignment	not modelled	34.6	11	Fold: SAM domain-like Superfamily: RuvA domain 2-like Family: DNA helicase RuvA subunit, middle domain
112	c3mr2A_	Alignment	not modelled	33.9	31	PDB header: transferase/dna Chain: A: PDB Molecule: dna polymerase eta; PDBTitle: human dna polymerase eta in complex with normal dna and incoming2 nucleotide (nrm)
113	d2aq0a1	Alignment	not modelled	32.4	19	Fold: SAM domain-like Superfamily: RuvA domain 2-like Family: Hef domain-like
114	d2p6ra2	Alignment	not modelled	31.0	17	Fold: Sec63 N-terminal domain-like Superfamily: Sec63 N-terminal domain-like Family: Achaeal helicase C-terminal domain
115	c1hjpA_	Alignment	not modelled	29.7	9	PDB header: dna recombination Chain: A: PDB Molecule: ruva; PDBTitle: holliday junction binding protein ruva from e. coli
116	c3bqsB_	Alignment	not modelled	28.4	22	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of an uncharacterized protein from2 listeria monocytogenes, trigonal form
117	c6nd1A_	Alignment	not modelled	27.9	18	PDB header: protein transport Chain: A: PDB Molecule: protein translocation protein sec63; PDBTitle: cryoem structure of the sec complex from yeast
118	c2q0zX_	Alignment	not modelled	27.9	12	PDB header: protein transport Chain: X: PDB Molecule: protein pro2281; PDBTitle: crystal structure of q9p172/sec63 from homo sapiens. northeast2 structural genomics target hr1979.
119	c1njpI_	Alignment	not modelled	26.8	31	PDB header: ribosome Chain: T: PDB Molecule: general stress protein ctc; PDBTitle: the crystal structure of the 50s large ribosomal subunit2 from deinococcus radiodurans complexed with a trna3 acceptor stem mimic (asm)
120	c1gm5A_	Alignment	not modelled	25.5	10	PDB header: helicase Chain: A: PDB Molecule: recg; PDBTitle: structure of recg bound to three-way dna junction