



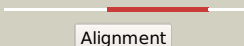







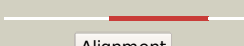









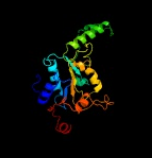
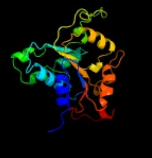
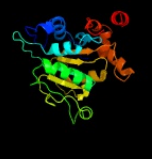


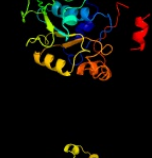

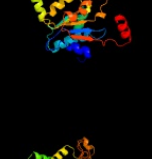
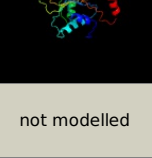


Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD1095_(phoH2)_1223002_1224303
Date	Wed Jul 31 22:05:17 BST 2019
Unique Job ID	94940099482bd52f

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c3b85A_	 Alignment		100.0	32	PDB header: hydrolase Chain: A; PDB Molecule: phosphate starvation-inducible protein; PDBTitle: crystal structure of predicted phosphate starvation-induced atpase2 phoH2 from corynebacterium glutamicum
2	c5eaxB_	 Alignment		100.0	25	PDB header: hydrolase/dna Chain: B; PDB Molecule: dna replication atp-dependent helicase/nuclease dna2; PDBTitle: crystal structure of dna2 in complex with an ssdna
3	c2xzlA_	 Alignment		99.9	16	PDB header: hydrolase/rna Chain: A; PDB Molecule: atp-dependent helicase nam7; PDBTitle: upf1-rna complex
4	c2wjyA_	 Alignment		99.9	18	PDB header: hydrolase Chain: A; PDB Molecule: regulator of nonsense transcripts 1; PDBTitle: crystal structure of the complex between human nonsense2 mediated decay factors upf1 and upf2 orthorhombic form
5	c5mznA_	 Alignment		99.9	17	PDB header: hydrolase Chain: A; PDB Molecule: helicase sen1,helicase sen1; PDBTitle: helicase sen1
6	c3gp8A_	 Alignment		99.9	27	PDB header: hydrolase/dna Chain: A; PDB Molecule: exodeoxyribonuclease v, subunit recd, putative; PDBTitle: crystal structure of the binary complex of recd2 with dna
7	c2gk7A_	 Alignment		99.9	18	PDB header: hydrolase Chain: A; PDB Molecule: regulator of nonsense transcripts 1; PDBTitle: structural and functional insights into the human upf1 helicase core
8	c2hwwC_	 Alignment		99.9	25	PDB header: rna binding protein Chain: C; PDB Molecule: telomerase-binding protein est1a; PDBTitle: structure of pin domain of human smg6
9	d1w36d1	 Alignment		99.9	27	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Tandem AAA-ATPase domain
10	c4pj3A_	 Alignment		99.9	13	PDB header: rna binding protein Chain: A; PDB Molecule: intron-binding protein aquarius; PDBTitle: structural insight into the function and evolution of the spliceosomal2 helicase aquarius, structure of aquarius in complex with amppnp
11	c3e1sA_	 Alignment		99.9	29	PDB header: hydrolase Chain: A; PDB Molecule: exodeoxyribonuclease v, subunit recd; PDBTitle: structure of an n-terminal truncation of deinococcus radiodurans recd2

12	c4b3gA	Alignment		99.9	22	PDB header: hydrolase/rna Chain: A: PDB Molecule: dna-binding protein smubp-2; PDBTitle: crystal structure of ighmbp2 helicase in complex with rna
13	c5ld2D	Alignment		99.9	19	PDB header: hydrolase Chain: D: PDB Molecule: recbcd enzyme subunit recd; PDBTitle: cryo-em structure of recbcd+dna complex revealing activated nuclease2 domain
14	c5wvpB	Alignment		99.9	15	PDB header: hydrolase Chain: B: PDB Molecule: orf1ab; PDBTitle: crystal structure of middle east respiratory syndrome coronavirus2 helicase (mers-cov nsp13)
15	c3jb9X	Alignment		99.9	24	PDB header: rna binding protein/rna Chain: X: PDB Molecule: pre-mrna-splicing factor cwf11; PDBTitle: cryo-em structure of the yeast spliceosome at 3.6 angstrom resolution
16	c1w36G	Alignment		99.9	22	PDB header: recombination Chain: G: PDB Molecule: exodeoxyribonuclease v alpha chain; PDBTitle: recbcd:dna complex
17	c5wvpA	Alignment		99.9	17	PDB header: hydrolase Chain: A: PDB Molecule: orf1ab; PDBTitle: crystal structure of middle east respiratory syndrome coronavirus2 helicase (mers-cov nsp13)
18	c3i8oA	Alignment		99.9	19	PDB header: rna binding protein Chain: A: PDB Molecule: kh domain-containing protein mj1533; PDBTitle: a domain of a functionally unknown protein from methanocaldococcus2 jannaschii dsm 2661.
19	d1pjr1	Alignment		99.9	19	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Tandem AAA-ATPase domain
20	c5n8oA	Alignment		99.8	16	PDB header: transferase Chain: A: PDB Molecule: dna helicase i; PDBTitle: cryo em structure of the conjugative relaxase trai of the f/r1 plasmid2 system
21	d1uaaa1	Alignment	not modelled	99.8	22	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Tandem AAA-ATPase domain
22	c2pjrF	Alignment	not modelled	99.8	19	PDB header: hydrolase/dna Chain: F: PDB Molecule: protein (helicase pcra); PDBTitle: helicase product complex
23	c2is6B	Alignment	not modelled	99.8	19	PDB header: hydrolase/dna Chain: B: PDB Molecule: dna helicase ii; PDBTitle: crystal structure of uvrd-dna-adpmgf3 ternary complex
24	d1w36b1	Alignment	not modelled	99.7	26	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Tandem AAA-ATPase domain
25	c1uaaB	Alignment	not modelled	99.7	22	PDB header: hydrolase/dna Chain: B: PDB Molecule: protein (atp-dependent dna helicase rep.); PDBTitle: e. coli rep helicase/dna complex
26	c4c30I	Alignment	not modelled	99.7	18	PDB header: hydrolase/dna Chain: I: PDB Molecule: dna helicase ii; PDBTitle: crystal structure of deinococcus radiodurans uvrd in2 complex with dna, form 2
27	c3ix7A	Alignment	not modelled	99.7	29	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein ttha0540; PDBTitle: crystal structure of a domain of functionally unknown protein from2 thermus thermophilus hb8
28	c3u4qA	Alignment	not modelled	99.7	18	PDB header: hydrolase/dna Chain: A: PDB Molecule: atp-dependent helicase/nuclease subunit a; PDBTitle: structure of addab-dna complex at 2.8 angstroms
29	c3ukwA	Alignment	not modelled	99.7	18	PDB header: transferase Chain: A: PDB Molecule: replicase large subunit;

29	c3vkaA	Alignment	not modelled	99.7	10	PDBTitle: crystal structure of the superfamily 1 helicase from tomato mosaic2 virus
30	c3upuC	Alignment	not modelled	99.7	20	PDB header: hydrolase/dna Chain: C: PDB Molecule: atp-dependent dna helicase dda; PDBTitle: crystal structure of the t4 phage sf1b helicase dda
31	c4n0oC	Alignment	not modelled	99.7	14	PDB header: hydrolase/dna Chain: C: PDB Molecule: replicase polyprotein 1ab; PDBTitle: complex structure of arterivirus nonstructural protein 10 (helicase)2 with dna
32	c5f4hF	Alignment	not modelled	99.7	14	PDB header: hydrolase Chain: F: PDB Molecule: nucleotide binding protein pinc; PDBTitle: archael ruvb-like holiday junction helicase
33	c3lfuA	Alignment	not modelled	99.7	21	PDB header: hydrolase Chain: A: PDB Molecule: dna helicase ii; PDBTitle: crystal structure of e. coli uvrd
34	c5o6dB	Alignment	not modelled	99.7	17	PDB header: hydrolase Chain: B: PDB Molecule: atp-dependent dna helicase pif1; PDBTitle: structure of scpif1 in complex with polydt and atpgs
35	c5ftbA	Alignment	not modelled	99.7	20	PDB header: hydrolase Chain: A: PDB Molecule: tpr domain protein; PDBTitle: crystal structure of pif1 helicase from bacteroides in2 complex with amppnp
36	c2l8bA	Alignment	not modelled	99.6	17	PDB header: hydrolase Chain: A: PDB Molecule: protein trai; PDBTitle: trai (381-569)
37	c1pjrA	Alignment	not modelled	99.6	18	PDB header: helicase Chain: A: PDB Molecule: pcra; PDBTitle: structure of dna helicase
38	c5ywwA	Alignment	not modelled	99.6	18	PDB header: hydrolase Chain: A: PDB Molecule: nucleotide binding protein pinc; PDBTitle: archael ruvb-like holiday junction helicase
39	c1w36E	Alignment	not modelled	99.6	34	PDB header: recombination Chain: E: PDB Molecule: exodeoxyribonuclease v beta chain; PDBTitle: recbcd:dna complex
40	c5fhhA	Alignment	not modelled	99.6	20	PDB header: hydrolase Chain: A: PDB Molecule: atp-dependent dna helicase pif1; PDBTitle: structure of human pif1 helicase domain residues 200-641
41	c2hwyB	Alignment	not modelled	99.5	28	PDB header: rna binding protein Chain: B: PDB Molecule: protein smg5; PDBTitle: structure of pin domain of human smg5.
42	c6jimA	Alignment	not modelled	99.4	17	PDB header: viral protein/rna Chain: A: PDB Molecule: helicase; PDBTitle: viral helicase protein
43	d1o4wa	Alignment	not modelled	99.2	23	Fold: PIN domain-like Superfamily: PIN domain-like Family: PIN domain
44	c6c90A	Alignment	not modelled	99.0	20	PDB header: hydrolase/rna binding protein Chain: A: PDB Molecule: exosome rna helicase mtr4,exosome rna helicase mtr4; PDBTitle: human mtr4 helicase in complex with zcchc8-ctd
45	c4on9B	Alignment	not modelled	99.0	16	PDB header: hydrolase Chain: B: PDB Molecule: probable atp-dependent rna helicase ddx58; PDBTitle: dech box helicase domain
46	c5jb2A	Alignment	not modelled	98.9	17	PDB header: immune system Chain: A: PDB Molecule: lgp2; PDBTitle: crystal structure of chicken lgp2 with 5'ppp 10-mer dsrna and adp-2 alf4-mg2+ at 2.2 a resolution.
47	c2xgiA	Alignment	not modelled	98.9	17	PDB header: hydrolase/rna Chain: A: PDB Molecule: atp-dependent rna helicase dob1; PDBTitle: structure of mtr4, a dexh helicase involved in nuclear rna2 processing and surveillance
48	c4xgtA	Alignment	not modelled	98.9	17	PDB header: hydrolase Chain: A: PDB Molecule: frq-interacting rna helicase; PDBTitle: structure of rna helicase frh a critical component of the neurospora2 crassa circadian clock
49	c3l9oA	Alignment	not modelled	98.9	19	PDB header: hydrolase Chain: A: PDB Molecule: atp-dependent rna helicase dob1; PDBTitle: crystal structure of mtr4, a co-factor of the nuclear exosome
50	c6iehB	Alignment	not modelled	98.9	20	PDB header: rna binding protein Chain: B: PDB Molecule: exosome rna helicase mtr4; PDBTitle: crystal structures of the hmtr4-nrde2 complex
51	c3u44B	Alignment	not modelled	98.9	14	PDB header: hydrolase/dna Chain: B: PDB Molecule: atp-dependent helicase/deoxyribonuclease subunit b; PDBTitle: crystal structure of addab-dna complex
52	c6iegA	Alignment	not modelled	98.8	20	PDB header: rna binding protein Chain: A: PDB Molecule: exosome rna helicase mtr4; PDBTitle: crystal structure of human mtr4
53	d1rifa	Alignment	not modelled	98.8	12	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: DNA helicase UvsW
54	c2zj8A	Alignment	not modelled	98.8	16	PDB header: hydrolase Chain: A: PDB Molecule: putative ski2-type helicase; PDBTitle: archael dna helicase hjm apo state in form 2
55	d2eyqa3	Alignment	not modelled	98.8	17	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Tandem AAA-ATPase domain
						PDB header: hydrolase

56	c2va8A	Alignment	not modelled	98.8	18	Chain: A: PDB Molecule: ski2-type helicase; PDBTitle: dna repair helicase hel308
57	c2zj2A	Alignment	not modelled	98.8	16	PDB header: hydrolase Chain: A: PDB Molecule: putative ski2-type helicase; PDBTitle: archaeal dna helicase hjm apo state in form 1
58	c6nmiA	Alignment	not modelled	98.8	15	PDB header: transcription Chain: A: PDB Molecule: general transcription and dna repair factor iih helicase PDBTitle: cryo-em structure of the human tfiih core complex
59	c4bgdA	Alignment	not modelled	98.8	19	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
60	c2p6uA	Alignment	not modelled	98.8	22	PDB header: dna binding protein Chain: A: PDB Molecule: afuhel308 helicase; PDBTitle: apo structure of the hel308 superfamily 2 helicase
61	c5agaA	Alignment	not modelled	98.8	24	PDB header: transferase Chain: A: PDB Molecule: dna polymerase theta; PDBTitle: crystal structure of the helicase domain of human dna2 polymerase theta in complex with amppnp
62	c4f92B	Alignment	not modelled	98.8	22	PDB header: hydrolase Chain: B: PDB Molecule: u5 small nuclear ribonucleoprotein 200 kda helicase; PDBTitle: brr2 helicase region s1087l
63	c5gvrA	Alignment	not modelled	98.7	17	PDB header: hydrolase Chain: A: PDB Molecule: probable atp-dependent rna helicase ddx41; PDBTitle: crystal structure of the ddx41 dead domain in an apo closed form
64	c5lqwC	Alignment	not modelled	98.7	20	PDB header: splicing Chain: C: PDB Molecule: pre-mrna-splicing helicase brr2; PDBTitle: yeast activated spliceosome
65	c4gl2A	Alignment	not modelled	98.7	16	PDB header: rna binding protein/rna Chain: A: PDB Molecule: interferon-induced helicase c domain-containing protein 1; PDBTitle: structural basis for dsrna duplex backbone recognition by mda5
66	c5jcfB	Alignment	not modelled	98.7	17	PDB header: immune system Chain: B: PDB Molecule: melanoma differentiation associated protein-5; PDBTitle: crystal structure of chicken mda5 with 5'p 10-mer dsrna and adp-mg2+2 at 2.6 a resolution (orthorhombic form).
67	c3fe2B	Alignment	not modelled	98.7	12	PDB header: hydrolase Chain: B: PDB Molecule: probable atp-dependent rna helicase ddx5; PDBTitle: human dead-box rna helicase ddx5 (p68), conserved domain i in complex2 with adp
68	c4bujA	Alignment	not modelled	98.7	24	PDB header: hydrolase Chain: A: PDB Molecule: antiviral helicase ski2; PDBTitle: crystal structure of the s. cerevisiae ski2-3-8 complex
69	c3ly5A	Alignment	not modelled	98.7	17	PDB header: hydrolase Chain: A: PDB Molecule: atp-dependent rna helicase ddx18; PDBTitle: ddx18 dead-domain
70	c5m52B	Alignment	not modelled	98.7	20	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
71	c1qhhA	Alignment	not modelled	98.7	15	PDB header: hydrolase Chain: A: PDB Molecule: protein (pcra (subunit)); PDBTitle: structure of dna helicase with adppnp
72	d2fwra2	Alignment	not modelled	98.7	18	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Tandem AAA-ATPase domain
73	c5dcaA	Alignment	not modelled	98.7	20	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
74	c6ah0D	Alignment	not modelled	98.7	20	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)
75	c5v9xA	Alignment	not modelled	98.7	16	PDB header: hydrolase/dna Chain: A: PDB Molecule: atp-dependent dna helicase; PDBTitle: structure of mycobacterium smegmatis helicase lhr bound to ssdna and2 amp-pnp
76	c4q2dA	Alignment	not modelled	98.7	19	PDB header: hydrolase Chain: A: PDB Molecule: crispr-associated helicase cas3; PDBTitle: crystal structure of crispr-associated protein in complex with 2'-2 deoxyadenosine 5'-triphosphate
77	c3jcrC	Alignment	not modelled	98.7	22	PDB header: splicing Chain: C: PDB Molecule: hbrr2; PDBTitle: 3d structure determination of the human*u4/u6.u5* tri-snrrp complex
78	c2vbcA	Alignment	not modelled	98.7	16	PDB header: hydrolase Chain: A: PDB Molecule: dengue 4 ns3 full-length protein; PDBTitle: crystal structure of the ns3 protease-helicase from dengue2 virus
79	c2v6jA	Alignment	not modelled	98.6	17	PDB header: hydrolase Chain: A: PDB Molecule: rna helicase; PDBTitle: kokobera virus helicase: mutant met47thr
80	c4a4zA	Alignment	not modelled	98.6	21	PDB header: hydrolase Chain: A: PDB Molecule: antiviral helicase ski2; PDBTitle: crystal structure of the s. cerevisiae dexh helicase ski2 bound to2 amppnp
81	c5sf4A	Alignment	not modelled	98.6	15	PDB header: transcription Chain: A: PDB Molecule: tfiih basal transcription factor complex

81	c3u1rA	Alignment	not modelled	98.6	15	helicase xpb PDBTitle: the cryo-em structure of human tfiih
82	c2jlrA	Alignment	not modelled	98.6	16	PDB header: hydrolase Chain: A: PDB Molecule: serine protease subunit ns3; PDBTitle: dengue virus 4 ns3 helicase in complex with amppnp
83	c3tmiA	Alignment	not modelled	98.6	15	PDB header: hydrolase/rna Chain: A: PDB Molecule: atp-dependent rna helicase ddx58; PDBTitle: structural basis for rna recognition and activation of rig-i
84	c2ocaA	Alignment	not modelled	98.6	11	PDB header: hydrolase Chain: A: PDB Molecule: atp-dependent dna helicase uvsw; PDBTitle: the crystal structure of t4 uvsw
85	c4nl4H	Alignment	not modelled	98.6	16	PDB header: dna binding protein Chain: H: PDB Molecule: primosome assembly protein pria; PDBTitle: pria helicase bound to adp
86	c2z83A	Alignment	not modelled	98.6	15	PDB header: viral protein Chain: A: PDB Molecule: helicase/nucleoside triphosphatase; PDBTitle: crystal structure of catalytic domain of japanese2 encephalitis virus ns3 helicase/nucleoside triphosphatase3 at a resolution 1.8
87	c4nl8E	Alignment	not modelled	98.6	15	PDB header: dna binding protein Chain: E: PDB Molecule: primosome assembly protein pria; PDBTitle: pria helicase bound to ssb c-terminal tail peptide
88	c2wv9A	Alignment	not modelled	98.6	14	PDB header: hydrolase Chain: A: PDB Molecule: flavivirin protease ns2b regulatory subunit, flavivirin PDBTitle: crystal structure of the ns3 protease-helicase from murray2 valley encephalitis virus
89	c6jdeB	Alignment	not modelled	98.6	18	PDB header: hydrolase Chain: B: PDB Molecule: putative dna repair helicase radd; PDBTitle: crystal structure of a dna repair protein
90	c3i5yA	Alignment	not modelled	98.6	19	PDB header: hydrolase/rna Chain: A: PDB Molecule: atp-dependent rna helicase mss116; PDBTitle: structure of mss116p bound to ssrna containing a single 5-bru and amp-2 pnp
91	c2kbeA	Alignment	not modelled	98.6	19	PDB header: hydrolase Chain: A: PDB Molecule: atp-dependent rna helicase dbp5; PDBTitle: solution structure of amino-terminal domain of dbp5p
92	c2oxcA	Alignment	not modelled	98.6	19	PDB header: hydrolase Chain: A: PDB Molecule: probable atp-dependent rna helicase ddx20; PDBTitle: human dead-box rna helicase ddx20, dead domain in complex with adp
93	c5oe9C	Alignment	not modelled	98.6	8	PDB header: viral protein Chain: C: PDB Molecule: large subunit terminase; PDBTitle: structure of large terminase from the thermophilic bacteriophage d6e2 in complex with sulfate (crystal form 2)
94	c2eygA	Alignment	not modelled	98.6	17	PDB header: hydrolase Chain: A: PDB Molecule: transcription-repair coupling factor; PDBTitle: crystal structure of escherichia coli transcription-repair2 coupling factor
95	d1q0ua	Alignment	not modelled	98.5	15	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Tandem AAA-ATPase domain
96	c3berA	Alignment	not modelled	98.5	14	PDB header: hydrolase Chain: A: PDB Molecule: probable atp-dependent rna helicase ddx47; PDBTitle: human dead-box rna-helicase ddx47, conserved domain i in complex with2 amp
97	c3dkpA	Alignment	not modelled	98.5	15	PDB header: hydrolase Chain: A: PDB Molecule: probable atp-dependent rna helicase ddx52; PDBTitle: human dead-box rna-helicase ddx52, conserved domain i in complex with2 adp
98	c5m59C	Alignment	not modelled	98.5	16	PDB header: splicing Chain: C: PDB Molecule: pre-mrna splicing helicase-like protein; PDBTitle: crystal structure of chaetomium thermophilum brr2 helicase core in2 complex with prp8 jab1 domain
99	c1qhbB	Alignment	not modelled	98.5	18	PDB header: hydrolase Chain: B: PDB Molecule: protein (pcra (subunit)); PDBTitle: structure of dna helicase with adpnp
100	c5xdrA	Alignment	not modelled	98.5	16	PDB header: hydrolase Chain: A: PDB Molecule: pre-mrna-splicing factor atp-dependent rna helicase dhx15; PDBTitle: crystal structure of human deah-box rna helicase dhx15 in complex with2 adp
101	c2pl3A	Alignment	not modelled	98.5	18	PDB header: hydrolase Chain: A: PDB Molecule: probable atp-dependent rna helicase ddx10; PDBTitle: human dead-box rna helicase ddx10, dead domain in complex with adp
102	c5qjuA	Alignment	not modelled	98.5	17	PDB header: hydrolase Chain: A: PDB Molecule: atp-dependent rna helicase dead; PDBTitle: dead-box rna helicase
103	d1s2ma1	Alignment	not modelled	98.5	20	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Tandem AAA-ATPase domain
104	c4qqxA	Alignment	not modelled	98.5	23	PDB header: hydrolase/dna Chain: A: PDB Molecule: crispr-associated helicase, cas3 family; PDBTitle: crystal structure of t. fusca cas3-atp
105	c6md3F	Alignment	not modelled	98.5	20	PDB header: hydrolase/rna Chain: F: PDB Molecule: rrp44p homologue; PDBTitle: structure of t. brucei rrp44 pin domain
106	c3nivB	Alignment	not modelled	98.5	18	PDB header: isomerase Chain: B: PDB Molecule: reverse gyrase helicase domain;

106	c5viyb_	Alignment	not modelled	98.5	10	PDBTitle: helicase domain of reverse gyrase from thermotoga maritima PDB header: structural protein Chain: A: PDB Molecule: dead-box atp-dependent rna helicase csha;
107	c6aicA_	Alignment	not modelled	98.5	13	PDBTitle: crystal structures of the n-terminal domain of staphylococcus aureus2 dead-box cold shock rna helicase csha in complex with amp
108	c6ro4A_	Alignment	not modelled	98.5	14	PDB header: translocase Chain: A: PDB Molecule: general transcription and dna repair factor iih helicase PDBTitle: structure of the core tfiih-xpa-dna complex
109	d1qdea_	Alignment	not modelled	98.5	20	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Tandem AAA-ATPase domain
110	c2zpaB_	Alignment	not modelled	98.5	25	PDB header: transferase Chain: B: PDB Molecule: uncharacterized protein ypfi; PDBTitle: crystal structure of trna(met) cytidine acetyltransferase
111	c5lqwO_	Alignment	not modelled	98.5	12	PDB header: splicing Chain: O: PDB Molecule: pre-mrna-splicing factor atp-dependent rna helicase-like PDBTitle: yeast activated spliceosome
112	c2vl7A_	Alignment	not modelled	98.5	21	PDB header: unknown function Chain: A: PDB Molecule: xpd; PDBTitle: structure of s. tokodaii xpd4
113	d1gm5a3	Alignment	not modelled	98.5	17	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Tandem AAA-ATPase domain
114	d1gkub1	Alignment	not modelled	98.5	17	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Helicase-like "domain" of reverse gyrase
115	c5wsge_	Alignment	not modelled	98.5	17	PDB header: rna binding protein/rna Chain: E: PDB Molecule: saccharomyces cerevisiae s288c snr6 snrna; PDBTitle: cryo-em structure of the catalytic step ii spliceosome (c* complex) at2 4.0 angstrom resolution
116	c2qeqA_	Alignment	not modelled	98.5	18	PDB header: hydrolase Chain: A: PDB Molecule: flavivirin protease ns3 catalytic subunit; PDBTitle: crystal structure of kunjin virus ns3 helicase
117	c3kx2A_	Alignment	not modelled	98.5	17	PDB header: hydrolase Chain: A: PDB Molecule: pre-mrna-splicing factor atp-dependent rna helicase prp43; PDBTitle: crystal structure of prp43p in complex with adp
118	c6fa5A_	Alignment	not modelled	98.5	18	PDB header: hydrolase Chain: A: PDB Molecule: putative mrna splicing factor; PDBTitle: crystal structure of the deah-box helicase prp2 in complex with adp
119	c5mq0V_	Alignment	not modelled	98.5	14	PDB header: splicing Chain: V: PDB Molecule: pre-mrna-splicing factor atp-dependent rna helicase prp22; PDBTitle: structure of a spliceosome remodeled for exon ligation
120	c2fwrA_	Alignment	not modelled	98.4	20	PDB header: dna binding protein Chain: A: PDB Molecule: dna repair protein rad25; PDBTitle: structure of archaeoglobus fulgidis xpb