


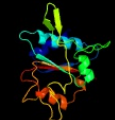




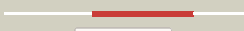
























Phyre2

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 Description RVBD2368c_phoH1_2648926_2649984
 Date Mon Aug 5 13:25:52 BST 2019
 Unique Job ID 088c4b6eae7565e1

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c3b85A_	 Alignment		100.0	76	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	c3gp8A_	 Alignment		99.5	21	PDB header: hydrolase/dna Chain: A: PDB Molecule: exodeoxyribonuclease v, subunit recd, putative; PDBTitle: crystal structure of the binary complex of recd2 with dna
3	c3e1sA_	 Alignment		99.5	21	PDB header: hydrolase Chain: A: PDB Molecule: exodeoxyribonuclease v, subunit recd; PDBTitle: structure of an n-terminal truncation of deinococcus radiodurans recd2
4	d1w36d1	 Alignment		99.5	23	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Tandem AAA-ATPase domain
5	c5eaxB_	 Alignment		99.4	19	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
6	c5ld2D_	 Alignment		99.4	22	PDB header: hydrolase Chain: D: PDB Molecule: recbcd enzyme subunit recd; PDBTitle: cryo-em structure of recbcd+dna complex revealing activated nuclease2 domain
7	c2wjvA_	 Alignment		99.4	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
8	c1w36G_	 Alignment		99.3	25	PDB header: recombination Chain: G: PDB Molecule: exodeoxyribonuclease v alpha chain; PDBTitle: recbcd:dna complex
9	c2xzlA_	 Alignment		99.3	16	PDB header: hydrolase/rna Chain: A: PDB Molecule: atp-dependent helicase nam7; PDBTitle: upf1-rna complex
10	d1uaaa1	 Alignment		99.2	26	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Tandem AAA-ATPase domain
11	c5wvpB_	 Alignment		99.2	24	PDB header: hydrolase Chain: B: PDB Molecule: orf1ab; PDBTitle: crystal structure of middle east respiratory syndrome coronavirus2 helicase (mers-cov nsp13)

12	c2gk7A_	Alignment		99.2	19	PDB header: hydrolase Chain: A: PDB Molecule: regulator of nonsense transcripts 1; PDBTitle: structural and functional insights into the human upf1 helicase core
13	c4b3gA_	Alignment		99.2	25	PDB header: hydrolase/rna Chain: A: PDB Molecule: dna-binding protein smubp-2; PDBTitle: crystal structure of ighmbp2 helicase in complex with rna
14	d1pjra1	Alignment		99.1	16	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Tandem AAA-ATPase domain
15	c5wwpA_	Alignment		99.1	26	PDB header: hydrolase Chain: A: PDB Molecule: orf1ab; PDBTitle: crystal structure of middle east respiratory syndrome coronavirus2 helicase (mers-cov nsp13)
16	c5n8oA_	Alignment		99.1	20	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
17	c2pjrF_	Alignment		99.1	22	PDB header: hydrolase/dna Chain: F: PDB Molecule: protein (helicase pcra); PDBTitle: helicase product complex
18	c4c30I_	Alignment		99.1	20	PDB header: hydrolase/dna Chain: I: PDB Molecule: dna helicase ii; PDBTitle: crystal structure of deinococcus radiodurans uvrd in2 complex with dna, form 2
19	c2is6B_	Alignment		99.1	19	PDB header: hydrolase/dna Chain: B: PDB Molecule: dna helicase ii; PDBTitle: crystal structure of uvrd-dna-adpmgf3 ternary complex
20	c3jb9X_	Alignment		99.1	23	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
21	c5mznA_	Alignment	not modelled	99.0	23	PDB header: hydrolase Chain: A: PDB Molecule: helicase sen1,helicase sen1; PDBTitle: helicase sen1
22	c3upuC_	Alignment	not modelled	99.0	23	PDB header: hydrolase/dna Chain: C: PDB Molecule: atp-dependent dna helicase dda; PDBTitle: crystal structure of the t4 phage sf1b helicase dda
23	c1uaaB_	Alignment	not modelled	99.0	21	PDB header: hydrolase/dna Chain: B: PDB Molecule: protein (atp-dependent dna helicase rep.); PDBTitle: e. coli rep helicase/dna complex
24	c3u4qA_	Alignment	not modelled	99.0	30	PDB header: hydrolase/dna Chain: A: PDB Molecule: atp-dependent helicase/nuclease subunit a; PDBTitle: structure of addab-dna complex at 2.8 angstroms
25	c5o6dB_	Alignment	not modelled	98.9	24	PDB header: hydrolase Chain: B: PDB Molecule: atp-dependent dna helicase pif1; PDBTitle: structure of scpi1 in complex with polydt and atpgs
26	c4pj3A_	Alignment	not modelled	98.9	25	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
27	c6c90A_	Alignment	not modelled	98.9	24	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
28	c3ifuA_	Alignment	not modelled	98.8	25	PDB header: hydrolase Chain: A: PDB Molecule: dna helicase ii; PDBTitle: crystal structure of e. coli uvrd
						PDB header: hydrolase

29	c3l9oA_	Alignment	not modelled	98.8	24	Chain: A: PDB Molecule: atp-dependent rna helicase dob1; PDBTitle: crystal structure of mtr4, a co-factor of the nuclear exosome
30	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
31	c6iehB_	Alignment	not modelled	98.8	24	PDB header: rna binding protein Chain: B: PDB Molecule: exosome rna helicase mtr4; PDBTitle: crystal structures of the hmtr4-nrde2 complex
32	c4xgtA_	Alignment	not modelled	98.8	21	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
33	c5fhhA_	Alignment	not modelled	98.8	26	PDB header: hydrolase Chain: A: PDB Molecule: atp-dependent dna helicase pif1; PDBTitle: structure of human pif1 helicase domain residues 200-641
34	c4on9B_	Alignment	not modelled	98.8	13	PDB header: hydrolase Chain: B: PDB Molecule: probable atp-dependent rna helicase ddx58; PDBTitle: dech box helicase domain
35	c1pjrA_	Alignment	not modelled	98.8	19	PDB header: helicase Chain: A: PDB Molecule: pcra; PDBTitle: structure of dna helicase
36	c2xgjA_	Alignment	not modelled	98.7	21	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
37	c2l8bA_	Alignment	not modelled	98.7	14	PDB header: hydrolase Chain: A: PDB Molecule: protein trai; PDBTitle: trai (381-569)
38	c4bujA_	Alignment	not modelled	98.7	21	PDB header: hydrolase Chain: A: PDB Molecule: antiviral helicase ski2; PDBTitle: crystal structure of the s. cerevisiae ski2-3-8 complex
39	c5ftbA_	Alignment	not modelled	98.7	23	PDB header: hydrolase Chain: A: PDB Molecule: tpr domain protein; PDBTitle: crystal structure of pif1 helicase from bacteroides in2 complex with amppnp
40	c4n0oC_	Alignment	not modelled	98.7	21	PDB header: hydrolase/dna Chain: C: PDB Molecule: replicase polyprotein 1ab; PDBTitle: complex structure of arterivirus nonstructural protein 10 (helicase)2 with dna
41	c4q2dA_	Alignment	not modelled	98.7	25	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
42	c3vkwA_	Alignment	not modelled	98.6	29	PDB header: transferase Chain: A: PDB Molecule: replicase large subunit; PDBTitle: crystal structure of the superfamily 1 helicase from tomato mosaic2 virus
43	c5oe9C_	Alignment	not modelled	98.6	14	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)
44	c4a4zA_	Alignment	not modelled	98.6	22	PDB header: hydrolase Chain: A: PDB Molecule: antiviral helicase ski2; PDBTitle: crystal structure of the s. cerevisiae dexh helicase ski2 bound to2 amppnp
45	c5v9xA_	Alignment	not modelled	98.6	18	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
46	d1rifa_	Alignment	not modelled	98.5	17	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: DNA helicase UvsW
47	c5jb2A_	Alignment	not modelled	98.5	14	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.
48	d2eyqa3	Alignment	not modelled	98.5	12	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Tandem AAA-ATPase domain
49	c5z58x_	Alignment	not modelled	98.4	21	PDB header: splicing Chain: X: PDB Molecule: smad nuclear-interacting protein 1; PDBTitle: cryo-em structure of a human activated spliceosome (early bact) at 4.92 angstrom.
50	c4qqxA_	Alignment	not modelled	98.4	27	PDB header: hydrolase/dna Chain: A: PDB Molecule: crispr-associated helicase, cas3 family; PDBTitle: crystal structure of t. fusca cas3-atp
51	c3u44B_	Alignment	not modelled	98.4	17	PDB header: hydrolase/dna Chain: B: PDB Molecule: atp-dependent helicase/deoxyribonuclease subunit b; PDBTitle: crystal structure of addab-dna complex
52	c5b7iA_	Alignment	not modelled	98.4	26	PDB header: hydrolase/unknown function Chain: A: PDB Molecule: crispr-associated nuclease/helicase cas3 subtype i-fypest; PDBTitle: cas3-acrf3 complex
53	c6nmiA_	Alignment	not modelled	98.4	19	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
54	c2ocaA_	Alignment	not modelled	98.4	16	PDB header: hydrolase Chain: A: PDB Molecule: atp-dependent dna helicase uvsw; PDBTitle: the crystal structure of t4 uvsw
55	c6jimA_	Alignment	not modelled	98.3	18	PDB header: viral protein/rna Chain: A: PDB Molecule: helicase;

						PDBTitle: viral helicase protein
56	c3tmiA_	Alignment	not modelled	98.3	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
57	c6fa5A_	Alignment	not modelled	98.3	22	PDB header: hydrolase Chain: A: PDB Molecule: putative mrna splicing factor; PDBTitle: crystal structure of the deah-box helicase prp2 in complex with adp
58	c1w36E_	Alignment	not modelled	98.3	36	PDB header: recombination Chain: E: PDB Molecule: exodeoxyribonuclease v beta chain; PDBTitle: recbcd:dna complex
59	c5xdrA_	Alignment	not modelled	98.3	23	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
60	c6ah0D_	Alignment	not modelled	98.3	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)
61	d1gkub1	Alignment	not modelled	98.3	17	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Helicase-like "domain" of reverse gyrase
62	c4zcfC_	Alignment	not modelled	98.2	22	PDB header: hydrolase-dna complex Chain: C: PDB Molecule: restriction endonuclease ecop15i, restriction subunit; PDBTitle: structural basis of asymmetric dna methylation and atp-triggered long-2 range diffusion by ecop15i
63	c2fwrA_	Alignment	not modelled	98.2	22	PDB header: dna binding protein Chain: A: PDB Molecule: dna repair protein rad25; PDBTitle: structure of archaeoglobus fulgidis xpb
64	c4gl2A_	Alignment	not modelled	98.2	17	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
65	d2fwra2	Alignment	not modelled	98.2	23	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Tandem AAA-ATPase domain
66	c6iczy_	Alignment	not modelled	98.2	27	PDB header: splicing Chain: Y: PDB Molecule: atp-dependent rna helicase dhx8; PDBTitle: cryo-em structure of a human post-catalytic spliceosome (p complex) at2 3.0 angstrom
67	c4f92B_	Alignment	not modelled	98.2	20	PDB header: hydrolase Chain: B: PDB Molecule: u5 small nuclear ribonucleoprotein 200 kda helicase; PDBTitle: brr2 helicase region s1087l
68	c6fwsB_	Alignment	not modelled	98.2	27	PDB header: dna binding protein Chain: B: PDB Molecule: atp-dependent dna helicase ding; PDBTitle: structure of ding in complex with ssdna and adpbf
69	c3crw1_	Alignment	not modelled	98.2	21	PDB header: hydrolase Chain: 1: PDB Molecule: xpd/rad3 related dna helicase; PDBTitle: xpd_apo
70	c2zj2A_	Alignment	not modelled	98.2	14	PDB header: hydrolase Chain: A: PDB Molecule: putative ski2-type helicase; PDBTitle: archaeal dna helicase hjm apo state in form 1
71	c6hegA_	Alignment	not modelled	98.2	18	PDB header: hydrolase Chain: A: PDB Molecule: atp-dependent rna helicase hrpb; PDBTitle: crystal structure of escherichia coli deah/rha helicase hrpb
72	c1gl9B_	Alignment	not modelled	98.2	19	PDB header: topoisomerase Chain: B: PDB Molecule: reverse gyrase; PDBTitle: archaeoglobus fulgidus reverse gyrase complexed with adpnp
73	c4bgdA_	Alignment	not modelled	98.2	18	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
74	c1gm5A_	Alignment	not modelled	98.2	18	PDB header: helicase Chain: A: PDB Molecule: recg; PDBTitle: structure of recg bound to three-way dna junction
75	c5mqfq_	Alignment	not modelled	98.1	25	PDB header: splicing Chain: Q: PDB Molecule: protein bud31 homolog; PDBTitle: cryo-em structure of a human spliceosome activated for step 2 of2 splicing (c* complex)
76	c2ja1A_	Alignment	not modelled	98.1	15	PDB header: transferase Chain: A: PDB Molecule: thymidine kinase; PDBTitle: thymidine kinase from b. cereus with ttp bound as phosphate2 donor.
77	c5iy8W_	Alignment	not modelled	98.1	25	PDB header: transcription, transferase/dna Chain: W: PDB Molecule: tfiih basal transcription factor complex helicase xpd PDBTitle: human holo-pic in the initial transcribing state
78	c4nl8E_	Alignment	not modelled	98.1	18	PDB header: dna binding protein Chain: E: PDB Molecule: primosome assembly protein pria; PDBTitle: pria helicase bound to ssb c-terminal tail peptide
79	c2eyqA_	Alignment	not modelled	98.1	14	PDB header: hydrolase Chain: A: PDB Molecule: transcription-repair coupling factor; PDBTitle: crystal structure of escherichia coli transcription-repair2 coupling factor
80	c5agaA_	Alignment	not modelled	98.1	12	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 ampnp PDB header: viral protein

81	c4zn1B_	Alignment	not modelled	98.1	20	Chain: B: PDB Molecule: phage terminase large subunit; PDBTitle: thermus phage p74-26 large terminase atpase domain bound to adp2 beryllium fluoride
82	c6aicA_	Alignment	not modelled	98.1	19	PDB header: structural protein Chain: A: PDB Molecule: dead-box atp-dependent rna helicase csha; PDBTitle: crystal structures of the n-terminal domain of staphylococcus aureus2 dead-box cold shock rna helicase csha in complex with amp
83	c6o16A_	Alignment	not modelled	98.1	20	PDB header: hydrolase/rna Chain: A: PDB Molecule: deah (asp-glu-ala-his) box polypeptide 37; PDBTitle: crystal structure of murine dhx37 in complex with rna
84	c3ec2A_	Alignment	not modelled	98.1	21	PDB header: replication Chain: A: PDB Molecule: dna replication protein dnac; PDBTitle: crystal structure of the dnac helicase loader
85	c4cbhC_	Alignment	not modelled	98.1	23	PDB header: hydrolase Chain: C: PDB Molecule: serine protease ns3; PDBTitle: pestivirus ns3 helicase
86	c4nl4H_	Alignment	not modelled	98.1	18	PDB header: dna binding protein Chain: H: PDB Molecule: primosome assembly protein pria; PDBTitle: pria helicase bound to adp
87	c2vl7A_	Alignment	not modelled	98.1	22	PDB header: unknown function Chain: A: PDB Molecule: xpd; PDBTitle: structure of s. tokodaii xpd4
88	c3ly5A_	Alignment	not modelled	98.1	21	PDB header: hydrolase Chain: A: PDB Molecule: atp-dependent rna helicase ddx18; PDBTitle: ddx18 dead-domain
89	c5gvrA_	Alignment	not modelled	98.1	16	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
90	c2zj8A_	Alignment	not modelled	98.1	14	PDB header: hydrolase Chain: A: PDB Molecule: putative ski2-type helicase; PDBTitle: archaeal dna helicase hjm apo state in form 2
91	c5ylzW_	Alignment	not modelled	98.1	18	PDB header: splicing Chain: W: PDB Molecule: pre-mrna-splicing factor atp-dependent rna helicase prp22; PDBTitle: cryo-em structure of the post-catalytic spliceosome from saccharomyces2 cerevisiae at 3.6 angstrom
92	c3fe2B_	Alignment	not modelled	98.1	16	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
93	c5dcaA_	Alignment	not modelled	98.1	17	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
94	c3jcrC_	Alignment	not modelled	98.0	20	PDB header: splicing Chain: C: PDB Molecule: hbrr2; PDBTitle: 3d structure determination of the human*u4/u6.u5* tri-snrnp complex
95	c5lqwC_	Alignment	not modelled	98.0	17	PDB header: splicing Chain: C: PDB Molecule: pre-mrna-splicing helicase brr2; PDBTitle: yeast activated spliceosome
96	d1hv8a1	Alignment	not modelled	98.0	16	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Tandem AAA-ATPase domain
97	c5jcfB_	Alignment	not modelled	98.0	18	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).
98	c6jdeB_	Alignment	not modelled	98.0	19	PDB header: hydrolase Chain: B: PDB Molecule: putative dna repair helicase radd; PDBTitle: crystal structure of a dna repair protein
99	c5m52B_	Alignment	not modelled	98.0	19	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
100	c2pl3A_	Alignment	not modelled	98.0	22	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
101	d1gm5a3	Alignment	not modelled	98.0	13	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Tandem AAA-ATPase domain
102	c5lqwO_	Alignment	not modelled	98.0	20	PDB header: splicing Chain: O: PDB Molecule: pre-mrna-splicing factor atp-dependent rna helicase-like PDBTitle: yeast activated spliceosome
103	c2z83A_	Alignment	not modelled	98.0	12	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
104	c5of4A_	Alignment	not modelled	97.9	13	PDB header: transcription Chain: A: PDB Molecule: tfiih basal transcription factor complex helicase xpb PDBTitle: the cryo-em structure of human tfiih
105	c4idhA_	Alignment	not modelled	97.9	16	PDB header: viral protein Chain: A: PDB Molecule: gene 2 protein; PDBTitle: crystal structure of the large terminase subunit gp2 of

					bacterial2 virus sf6
106	c3dkpA_	Alignment	not modelled	97.9	16 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
107	d1q0ua_	Alignment	not modelled	97.9	19 Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Tandem AAA-ATPase domain
108	d2fz4a1	Alignment	not modelled	97.9	20 Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Tandem AAA-ATPase domain
109	c1qhhA_	Alignment	not modelled	97.9	19 PDB header: hydrolase Chain: A: PDB Molecule: protein (pcra (subunit)); PDBTitle: structure of dna helicase with adpnp
110	c3h1tA_	Alignment	not modelled	97.9	17 PDB header: hydrolase Chain: A: PDB Molecule: type i site-specific restriction-modification PDBTitle: the fragment structure of a putative hsdR subunit of a type2 i restriction enzyme from vibrio vulnificus yj016
111	c3oiyB_	Alignment	not modelled	97.9	23 PDB header: isomerase Chain: B: PDB Molecule: reverse gyrase helicase domain; PDBTitle: helicase domain of reverse gyrase from thermotoga maritima
112	c4px9C_	Alignment	not modelled	97.9	19 PDB header: translation, rna binding protein Chain: C: PDB Molecule: atp-dependent rna helicase ddx3x; PDBTitle: dead-box rna helicase ddx3x domain 1 with n-terminal atp-binding loop
113	c5bq5A_	Alignment	not modelled	97.9	19 PDB header: atp-binding protein Chain: A: PDB Molecule: insertion sequence is5376 putative atp-binding protein; PDBTitle: crystal structure of the istb aaa+ domain bound to adp-bef3
114	c2oxcA_	Alignment	not modelled	97.9	17 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
115	c5tnuB_	Alignment	not modelled	97.9	16 PDB header: transcription Chain: B: PDB Molecule: dna-dependent atpase xpbii; PDBTitle: s. tokodaii xpb ii crystal structure at 3.0 angstrom resolution
116	d1qdea_	Alignment	not modelled	97.8	23 Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Tandem AAA-ATPase domain
117	c3iuyB_	Alignment	not modelled	97.8	19 PDB header: hydrolase Chain: B: PDB Molecule: probable atp-dependent rna helicase ddx53; PDBTitle: crystal structure of ddx53 dead-box domain
118	c6qell_	Alignment	not modelled	97.8	22 PDB header: replication Chain: L: PDB Molecule: dna replication protein dnac; PDBTitle: e. coli dnabc apo complex
119	c6ro4A_	Alignment	not modelled	97.8	17 PDB header: translocase Chain: A: PDB Molecule: general transcription and dna repair factor iih helicase PDBTitle: structure of the core tfiih-xpa-dna complex
120	c3ezkB_	Alignment	not modelled	97.8	13 PDB header: hydrolase Chain: B: PDB Molecule: dna packaging protein gp17; PDBTitle: bacteriophage t4 gp17 motor assembly based on crystal structures and2 cryo-em reconstructions