







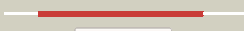















Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD3198c_(uvrD2)_3569106_3571208
Date	Thu Aug 8 16:20:39 BST 2019
Unique Job ID	621ea5ecedb9dfda

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c1w36E_	 Alignment		100.0	22	PDB header: recombination Chain: E: PDB Molecule: exodeoxyribonuclease v beta chain; PDBTitle: recbcd:dna complex
2	c3u4qA_	 Alignment		100.0	25	PDB header: hydrolase/dna Chain: A: PDB Molecule: atp-dependent helicase/nuclease subunit a; PDBTitle: structure of addab-dna complex at 2.8 angstroms
3	c2is6B_	 Alignment		100.0	35	PDB header: hydrolase/dna Chain: B: PDB Molecule: dna helicase ii; PDBTitle: crystal structure of uvrD-dna-adpmgf3 ternary complex
4	c1uaaB_	 Alignment		100.0	33	PDB header: hydrolase/dna Chain: B: PDB Molecule: protein (atp-dependent dna helicase rep.); PDBTitle: e. coli rep helicase/dna complex
5	c4c30L_	 Alignment		100.0	36	PDB header: hydrolase/dna Chain: I: PDB Molecule: dna helicase ii; PDBTitle: crystal structure of deinococcus radiodurans uvrD in2 complex with dna, form 2
6	c1pjrA_	 Alignment		100.0	35	PDB header: helicase Chain: A: PDB Molecule: pcra; PDBTitle: structure of dna helicase
7	c3lfuA_	 Alignment		100.0	37	PDB header: hydrolase Chain: A: PDB Molecule: dna helicase ii; PDBTitle: crystal structure of e. coli uvrD
8	c3u44B_	 Alignment		100.0	18	PDB header: hydrolase/dna Chain: B: PDB Molecule: atp-dependent helicase/deoxyribonuclease subunit b; PDBTitle: crystal structure of addab-dna complex
9	c2pjrF_	 Alignment		100.0	34	PDB header: hydrolase/dna Chain: F: PDB Molecule: protein (helicase pcra); PDBTitle: helicase product complex
10	d1w36b1	 Alignment		100.0	24	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Tandem AAA-ATPase domain
11	d1pjr1	 Alignment		100.0	34	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Tandem AAA-ATPase domain

12	c1w36F_	Alignment		100.0	12	PDB header: recombination Chain: F; PDB Molecule: exodeoxyribonuclease v gamma chain; PDBTitle: recbcd:dna complex
13	d1uaaa1	Alignment		100.0	31	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Tandem AAA-ATPase domain
14	c5eaxB_	Alignment		100.0	26	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
15	d1uaaa2	Alignment		100.0	35	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Tandem AAA-ATPase domain
16	d1w36b2	Alignment		100.0	23	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Tandem AAA-ATPase domain
17	c4b3gA_	Alignment		100.0	24	PDB header: hydrolase/rna Chain: A; PDB Molecule: dna-binding protein smubp-2; PDBTitle: crystal structure of ighmbp2 helicase in complex with rna
18	c1qhhB_	Alignment		100.0	32	PDB header: hydrolase Chain: B; PDB Molecule: protein (pcra (subunit)); PDBTitle: structure of dna helicase with adpnp
19	d1pjra2	Alignment		100.0	36	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Tandem AAA-ATPase domain
20	c2xz1A_	Alignment		100.0	24	PDB header: hydrolase/rna Chain: A; PDB Molecule: atp-dependent helicase nam7; PDBTitle: upf1-rna complex
21	c2wjvA_	Alignment	not modelled	100.0	19	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
22	c2gk7A_	Alignment	not modelled	100.0	21	PDB header: hydrolase Chain: A; PDB Molecule: regulator of nonsense transcripts 1; PDBTitle: structural and functional insights into the human upf1 helicase core
23	c3upuC_	Alignment	not modelled	100.0	21	PDB header: hydrolase/dna Chain: C; PDB Molecule: atp-dependent dna helicase dda; PDBTitle: crystal structure of the t4 phage sf1b helicase dda
24	c4pj3A_	Alignment	not modelled	100.0	18	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
25	c5mznA_	Alignment	not modelled	100.0	15	PDB header: hydrolase Chain: A; PDB Molecule: helicase sen1,helicase sen1; PDBTitle: helicase sen1
26	c3jb9X_	Alignment	not modelled	100.0	14	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
27	c5wvpA_	Alignment	not modelled	100.0	23	PDB header: hydrolase Chain: A; PDB Molecule: orf1ab; PDBTitle: crystal structure of middle east respiratory syndrome coronavirus2 helicase (mers-cov nsp13)
28	c3gp8A_	Alignment	not modelled	100.0	31	PDB header: hydrolase/dna Chain: A; PDB Molecule: exodeoxyribonuclease v, subunit recd, putative;

						PDBTitle: crystal structure of the binary complex of recd2 with dna
29	c5ld2D_	Alignment	not modelled	100.0	26	PDB header: hydrolase Chain: D: PDB Molecule: recbcd enzyme subunit recd; PDBTitle: cryo-em structure of recbcd+dna complex revealing activated nuclease2 domain
30	c3e1sA_	Alignment	not modelled	100.0	22	PDB header: hydrolase Chain: A: PDB Molecule: exodeoxyribonuclease v, subunit recd; PDBTitle: structure of an n-terminal truncation of deinococcus radiodurans recd2
31	c1qhhA_	Alignment	not modelled	100.0	38	PDB header: hydrolase Chain: A: PDB Molecule: protein (pcra (subunit)); PDBTitle: structure of dna helicase with adpnp
32	c5n8oA_	Alignment	not modelled	100.0	23	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
33	c5o6dB_	Alignment	not modelled	100.0	24	PDB header: hydrolase Chain: B: PDB Molecule: atp-dependent dna helicase pif1; PDBTitle: structure of scpi1 in complex with polydt and atpgs
34	c5wvpB_	Alignment	not modelled	100.0	22	PDB header: hydrolase Chain: B: PDB Molecule: orf1ab; PDBTitle: crystal structure of middle east respiratory syndrome coronavirus2 helicase (mers-cov nsp13)
35	c1w36G_	Alignment	not modelled	100.0	24	PDB header: recombination Chain: G: PDB Molecule: exodeoxyribonuclease v alpha chain; PDBTitle: recbcd:dna complex
36	d1w36c2	Alignment	not modelled	100.0	17	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Tandem AAA-ATPase domain
37	c5fhhA_	Alignment	not modelled	99.9	25	PDB header: hydrolase Chain: A: PDB Molecule: atp-dependent dna helicase pif1; PDBTitle: structure of human pif1 helicase domain residues 200-641
38	c5ftbA_	Alignment	not modelled	99.9	22	PDB header: hydrolase Chain: A: PDB Molecule: tpr domain protein; PDBTitle: crystal structure of pif1 helicase from bacteroides in2 complex with amppnp
39	c3vkwA_	Alignment	not modelled	99.9	22	PDB header: transferase Chain: A: PDB Molecule: replicase large subunit; PDBTitle: crystal structure of the superfamily 1 helicase from tomato mosaic2 virus
40	c3dmnA_	Alignment	not modelled	99.9	39	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: putative dna helicase; PDBTitle: the crystal structure of the c-terminal domain of a possibe dna2 helicase from lactobacillus plantarun wcfs1
41	c4n0oC_	Alignment	not modelled	99.9	23	PDB header: hydrolase/dna Chain: C: PDB Molecule: replicase polyprotein 1ab; PDBTitle: complex structure of arterivirus nonstructural protein 10 (helicase)2 with dna
42	c2pjrB_	Alignment	not modelled	99.9	45	PDB header: hydrolase/dna Chain: B: PDB Molecule: protein (helicase pcra); PDBTitle: helicase product complex
43	c1qhhD_	Alignment	not modelled	99.9	45	PDB header: hydrolase Chain: D: PDB Molecule: protein (pcra (subunit)); PDBTitle: structure of dna helicase with adpnp
44	d1w36d1	Alignment	not modelled	99.7	28	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Tandem AAA-ATPase domain
45	c6jimA_	Alignment	not modelled	99.7	22	PDB header: viral protein/rna Chain: A: PDB Molecule: helicase; PDBTitle: viral helicase protein
46	d1w36d2	Alignment	not modelled	99.6	32	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Tandem AAA-ATPase domain
47	c3b85A_	Alignment	not modelled	99.6	31	PDB header: hydrolase Chain: A: PDB Molecule: phosphate starvation-inducible protein; PDBTitle: crystal structure of predicted phosphate starvation-induced atpase2 pho2 from corynebacterium glutamicum
48	c4on9B_	Alignment	not modelled	98.6	15	PDB header: hydrolase Chain: B: PDB Molecule: probable atp-dependent rna helicase ddx58; PDBTitle: dech box helicase domain
49	c2l8bA_	Alignment	not modelled	98.6	17	PDB header: hydrolase Chain: A: PDB Molecule: protein trai; PDBTitle: trai (381-569)
50	c3i5yA_	Alignment	not modelled	98.5	20	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
51	c6c90A_	Alignment	not modelled	98.4	21	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
52	c5v9xA_	Alignment	not modelled	98.4	21	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
53	c4ddvA_	Alignment	not modelled	98.3	17	PDB header: hydrolase Chain: A: PDB Molecule: reverse gyrase; PDBTitle: thermotoga maritima reverse gyrase, triclinic form
54	c4nl4H_	Alignment	not modelled	98.3	26	PDB header: dna binding protein Chain: H: PDB Molecule: primosome assembly protein pria; PDBTitle: pria helicase bound to adp
						PDB header: hydrolase/rna

55	c2xgjA_	Alignment	not modelled	98.3	20	Chain: A: PDB Molecule: atp-dependent rna helicase god1; PDBTitle: structure of mtr4, a dexh helicase involved in nuclear rna2 processing and surveillance
56	c4nl8E_	Alignment	not modelled	98.3	21	PDB header: dna binding protein Chain: E: PDB Molecule: primosome assembly protein pria; PDBTitle: pria helicase bound to ssb c-terminal tail peptide
57	d1gkub1	Alignment	not modelled	98.3	15	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Helicase-like "domain" of reverse gyrase
58	c2va8A_	Alignment	not modelled	98.3	19	PDB header: hydrolase Chain: A: PDB Molecule: ski2-type helicase; PDBTitle: dna repair helicase hel308
59	c3dkpA_	Alignment	not modelled	98.3	18	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
60	c5ivA_	Alignment	not modelled	98.3	25	PDB header: hydrolase Chain: A: PDB Molecule: dead-box atp-dependent rna helicase csha; PDBTitle: csha helicase
61	c1gm5A_	Alignment	not modelled	98.3	20	PDB header: helicase Chain: A: PDB Molecule: recg; PDBTitle: structure of recg bound to three-way dna junction
62	c4xgtA_	Alignment	not modelled	98.2	20	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
63	c6iehB_	Alignment	not modelled	98.2	21	PDB header: rna binding protein Chain: B: PDB Molecule: exosome rna helicase mtr4; PDBTitle: crystal structures of the hmtr4-nrde2 complex
64	c3j9oA_	Alignment	not modelled	98.2	20	PDB header: hydrolase Chain: A: PDB Molecule: atp-dependent rna helicase dob1; PDBTitle: crystal structure of mtr4, a co-factor of the nuclear exosome
65	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
66	c2zj8A_	Alignment	not modelled	98.2	12	PDB header: hydrolase Chain: A: PDB Molecule: putative ski2-type helicase; PDBTitle: archaeal dna helicase hjm apo state in form 2
67	c5xdrA_	Alignment	not modelled	98.2	14	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
68	c4a4zA_	Alignment	not modelled	98.1	19	PDB header: hydrolase Chain: A: PDB Molecule: antiviral helicase ski2; PDBTitle: crystal structure of the s. cerevisiae dexh helicase ski2 bound to2 amppnp
69	c6jdeB_	Alignment	not modelled	98.1	27	PDB header: hydrolase Chain: B: PDB Molecule: putative dna repair helicase radd; PDBTitle: crystal structure of a dna repair protein
70	c3oiyB_	Alignment	not modelled	98.1	23	PDB header: isomerase Chain: B: PDB Molecule: reverse gyrase helicase domain; PDBTitle: helicase domain of reverse gyrase from thermotoga maritima
71	c6i3oA_	Alignment	not modelled	98.1	18	PDB header: hydrolase Chain: A: PDB Molecule: putative pre-mrna splicing factor; PDBTitle: crystal structure of deah-box atpase prp22
72	c5agaA_	Alignment	not modelled	98.1	20	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
73	c2wv9A_	Alignment	not modelled	98.1	25	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
74	c5mq0V_	Alignment	not modelled	98.1	17	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
75	c4bujA_	Alignment	not modelled	98.1	19	PDB header: hydrolase Chain: A: PDB Molecule: antiviral helicase ski2; PDBTitle: crystal structure of the s. cerevisiae ski2-3-8 complex
76	c2z0mA_	Alignment	not modelled	98.1	23	PDB header: rna binding protein Chain: A: PDB Molecule: 337aa long hypothetical atp-dependent rna PDBTitle: crystal structure of hypothetical atp-dependent rna2 helicase from sulfolobus tokodaii
77	c6c0fp_	Alignment	not modelled	98.1	19	PDB header: ribosome Chain: P: PDB Molecule: 60s ribosomal protein l17-a; PDBTitle: yeast nucleolar pre-60s ribosomal subunit (state 2)
78	d1wuda1	Alignment	not modelled	98.1	42	Fold: SAM domain-like Superfamily: HRDC-like Family: HRDC domain from helicases
79	c2db3D_	Alignment	not modelled	98.1	21	PDB header: hydrolase/rna Chain: D: PDB Molecule: atp-dependent rna helicase vasa; PDBTitle: structural basis for rna unwinding by the dead-box protein2 drosophila vasa
80	c4llyA_	Alignment	not modelled	98.1	19	PDB header: hydrolase Chain: A: PDB Molecule: pre-mrna-processing atp-dependent rna helicase prp5; PDBTitle: crystal structure of rna splicing effector prp5 in complex

						with adp
81	c3tbkA	Alignment	not modelled	98.0	14	PDB header: hydrolase Chain: A: PDB Molecule: rig-i helicase domain; PDBTitle: mouse rig-i atpase domain
82	c2eyqA	Alignment	not modelled	98.0	22	PDB header: hydrolase Chain: A: PDB Molecule: transcription-repair coupling factor; PDBTitle: crystal structure of escherichia coli transcription-repair2 coupling factor
83	c2hxyC	Alignment	not modelled	98.0	24	PDB header: hydrolase Chain: C: PDB Molecule: probable atp-dependent rna helicase ddx48; PDBTitle: crystal structure of human apo-eif4aiii
84	c1xtkA	Alignment	not modelled	98.0	19	PDB header: gene regulation Chain: A: PDB Molecule: probable atp-dependent rna helicase p47; PDBTitle: structure of decd to dead mutation of human uap56
85	c6iczy	Alignment	not modelled	98.0	20	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
86	d1gl9b1	Alignment	not modelled	98.0	15	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Helicase-like "domain" of reverse gyrase
87	c4qqxA	Alignment	not modelled	98.0	30	PDB header: hydrolase/dna Chain: A: PDB Molecule: crispr-associated helicase, cas3 family; PDBTitle: crystal structure of t. fusca cas3-atp
88	c6fa5A	Alignment	not modelled	98.0	13	PDB header: hydrolase Chain: A: PDB Molecule: putative mrna splicing factor; PDBTitle: crystal structure of the deah-box helicase prp2 in complex with adp
89	c6hegA	Alignment	not modelled	98.0	16	PDB header: hydrolase Chain: A: PDB Molecule: atp-dependent rna helicase hrpb; PDBTitle: crystal structure of escherichia coli deah/rha helicase hrpb
90	c3ly5A	Alignment	not modelled	98.0	15	PDB header: hydrolase Chain: A: PDB Molecule: atp-dependent rna helicase ddx18; PDBTitle: ddx18 dead-domain
91	c4xqkB	Alignment	not modelled	98.0	18	PDB header: hydrolase/dna Chain: B: PDB Molecule: llabiii; PDBTitle: atp-dependent type isp restriction-modification enzyme llabiii bound2 to dna
92	c1wp9D	Alignment	not modelled	97.9	17	PDB header: hydrolase Chain: D: PDB Molecule: atp-dependent rna helicase, putative; PDBTitle: crystal structure of pyrococcus furiosus hef helicase domain
93	c2p6uA	Alignment	not modelled	97.9	22	PDB header: dna binding protein Chain: A: PDB Molecule: afuhel308 helicase; PDBTitle: apo structure of the hel308 superfamily 2 helicase
94	c4cbhC	Alignment	not modelled	97.9	14	PDB header: hydrolase Chain: C: PDB Molecule: serine protease ns3; PDBTitle: pestivirus ns3 helicase
95	c1s2mA	Alignment	not modelled	97.9	23	PDB header: rna binding protein Chain: A: PDB Molecule: putative atp-dependent rna helicase dhh1; PDBTitle: crystal structure of the dead box protein dhh1p
96	c6iegA	Alignment	not modelled	97.9	25	PDB header: rna binding protein Chain: A: PDB Molecule: exosome rna helicase mtr4; PDBTitle: crystal structure of human mtr4
97	c5jb2A	Alignment	not modelled	97.9	20	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.
98	c5z58x	Alignment	not modelled	97.9	15	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.
99	c5ylzW	Alignment	not modelled	97.9	17	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
100	c1gl9B	Alignment	not modelled	97.9	14	PDB header: topoisomerase Chain: B: PDB Molecule: reverse gyrase; PDBTitle: archaeoglobus fulgidus reverse gyrase complexed with adpnp
101	c2vbcA	Alignment	not modelled	97.9	22	PDB header: hydrolase Chain: A: PDB Molecule: dengue 4 ns3 full-length protein; PDBTitle: crystal structure of the ns3 protease-helicase from dengue2 virus
102	c5mqfq	Alignment	not modelled	97.9	20	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)
103	c6ah0D	Alignment	not modelled	97.9	18	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)
104	c5supB	Alignment	not modelled	97.9	14	PDB header: hydrolase/rna Chain: B: PDB Molecule: atp-dependent rna helicase sub2; PDBTitle: structure of mrna export factors
105	d1rifa	Alignment	not modelled	97.9	12	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: DNA helicase UvsW
106	c3kx2A	Alignment	not modelled	97.9	16	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
107	c2ocaA_	Alignment	not modelled	97.9	12	PDB header: hydrolase Chain: A: PDB Molecule: atp-dependent dna helicase uvsw; PDBTitle: the crystal structure of t4 uvsw
108	c4cdgA_	Alignment	not modelled	97.8	30	PDB header: hydrolase Chain: A: PDB Molecule: bloom syndrome protein; PDBTitle: crystal structure of the bloom's syndrome helicase blm in complex with2 nanobody
109	c2rhfA_	Alignment	not modelled	97.8	34	PDB header: hydrolase Chain: A: PDB Molecule: dna helicase recq; PDBTitle: d. radiodurans recq hrdc domain 3
110	c1hv8B_	Alignment	not modelled	97.8	19	PDB header: rna binding protein Chain: B: PDB Molecule: putative atp-dependent rna helicase mj0669; PDBTitle: crystal structure of a dead box protein from the2 hyperthermophile methanococcus jannaschii
111	c4zn1B_	Alignment	not modelled	97.8	12	PDB header: viral protein Chain: B: PDB Molecule: phage terminase large subunit; PDBTitle: thermus phage p74-26 large terminase atpase domain bound to adp2 beryllium fluoride
112	c3bxzA_	Alignment	not modelled	97.8	20	PDB header: transport protein Chain: A: PDB Molecule: preprotein translocase subunit seca; PDBTitle: crystal structure of the isolated dead motor domains from escherichia2 coli seca
113	c1ymfA_	Alignment	not modelled	97.8	23	PDB header: hydrolase Chain: A: PDB Molecule: genome polyprotein [contains: flavivirin protease ns3 PDBTitle: crystal structure of yellow fever virus ns3 helicase complexed with2 adp
114	c5lj5Q_	Alignment	not modelled	97.8	12	PDB header: splicing Chain: Q: PDB Molecule: pre-mrna-splicing factor atp-dependent rna helicase prp16; PDBTitle: overall structure of the yeast spliceosome immediately after2 branching.
115	c5n8zA_	Alignment	not modelled	97.8	11	PDB header: hydrolase Chain: A: PDB Molecule: cg9323, isoform a; PDBTitle: crystal structure of drosophila dhx36 helicase in complex with2 ctctccctt
116	c3fhtA_	Alignment	not modelled	97.8	20	PDB header: hydrolase/rna Chain: A: PDB Molecule: atp-dependent rna helicase ddx19b; PDBTitle: crystal structure of human dbp5 in complex with amppnp and rna
117	c4gl2A_	Alignment	not modelled	97.8	12	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
118	c5m52B_	Alignment	not modelled	97.8	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
119	c3ewsA_	Alignment	not modelled	97.8	21	PDB header: hydrolase Chain: A: PDB Molecule: atp-dependent rna helicase ddx19b; PDBTitle: human dead-box rna-helicase ddx19 in complex with adp
120	c4d25A_	Alignment	not modelled	97.8	20	PDB header: hydrolase Chain: A: PDB Molecule: bmvlg protein; PDBTitle: crystal structure of the bombyx mori vasa helicase (e339q)2 in complex with rna and amppnp