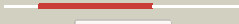

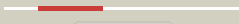









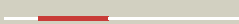








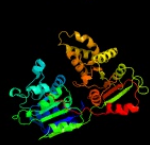











Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD3296_(lhr)_3676772_3681313
Date	Thu Aug 8 16:20:50 BST 2019
Unique Job ID	b218df41d1919f36

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c5v9xA_	 Alignment		100.0	83	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
2	c5lqwC_	 Alignment		100.0	24	PDB header: splicing Chain: C: PDB Molecule: pre-mrna-splicing helicase brr2; PDBTitle: yeast activated spliceosome
3	c4bgdA_	 Alignment		100.0	25	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
4	c5dcaA_	 Alignment		100.0	24	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
5	c6ah0D_	 Alignment		100.0	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)
6	c5m52B_	 Alignment		100.0	24	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
7	c4f92B_	 Alignment		100.0	20	PDB header: hydrolase Chain: B: PDB Molecule: u5 small nuclear ribonucleoprotein 200 kda helicase; PDBTitle: brr2 helicase region s10871
8	c3jcrC_	 Alignment		100.0	20	PDB header: splicing Chain: C: PDB Molecule: hbrr2; PDBTitle: 3d structure determination of the human*u4/u6.u5* tri-snrrp complex
9	c5m59C_	 Alignment		100.0	22	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
10	c5agaA_	 Alignment		100.0	19	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
11	c6iehB_	 Alignment		100.0	21	PDB header: rna binding protein Chain: B: PDB Molecule: exosome rna helicase mtr4; PDBTitle: crystal structures of the hmtr4-nrde2 complex

12	c2xgjA_	Alignment		100.0	25	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
13	c6c90A_	Alignment		100.0	22	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
14	c2va8A_	Alignment		100.0	19	PDB header: hydrolase Chain: A: PDB Molecule: ski2-type helicase; PDBTitle: dna repair helicase hel308
15	c4xgtA_	Alignment		100.0	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
16	c3l9oA_	Alignment		100.0	23	PDB header: hydrolase Chain: A: PDB Molecule: atp-dependent rna helicase dob1; PDBTitle: crystal structure of mtr4, a co-factor of the nuclear exosome
17	c4bujA_	Alignment		100.0	20	PDB header: hydrolase Chain: A: PDB Molecule: antiviral helicase ski2; PDBTitle: crystal structure of the s. cerevisiae ski2-3-8 complex
18	c2zj8A_	Alignment		100.0	23	PDB header: hydrolase Chain: A: PDB Molecule: putative ski2-type helicase; PDBTitle: archaeal dna helicase hjm apo state in form 2
19	c6iegA_	Alignment		100.0	24	PDB header: rna binding protein Chain: A: PDB Molecule: exosome rna helicase mtr4; PDBTitle: crystal structure of human mtr4
20	c4cdgA_	Alignment		100.0	24	PDB header: hydrolase Chain: A: PDB Molecule: bloom syndrome protein; PDBTitle: crystal structure of the bloom's syndrome helicase blm in complex with2 nanobody
21	c2zj2A_	Alignment	not modelled	100.0	22	PDB header: hydrolase Chain: A: PDB Molecule: putative ski2-type helicase; PDBTitle: archaeal dna helicase hjm apo state in form 1
22	c4a4zA_	Alignment	not modelled	100.0	20	PDB header: hydrolase Chain: A: PDB Molecule: antiviral helicase ski2; PDBTitle: crystal structure of the s. cerevisiae dexh helicase ski2 bound to2 amppnp
23	c4q47A_	Alignment	not modelled	100.0	25	PDB header: dna binding protein Chain: A: PDB Molecule: dna helicase recq; PDBTitle: structure of the drrecq catalytic core in complex with adp
24	c5l5tA_	Alignment	not modelled	100.0	29	PDB header: hydrolase Chain: A: PDB Molecule: atp-dependent dna helicase q4; PDBTitle: crystal structure of the human recq14 helicase.
25	c2v1xB_	Alignment	not modelled	100.0	23	PDB header: hydrolase Chain: B: PDB Molecule: atp-dependent dna helicase q1; PDBTitle: crystal structure of human recq-like dna helicase
26	c2p6uA_	Alignment	not modelled	100.0	23	PDB header: dna binding protein Chain: A: PDB Molecule: afuhel308 helicase; PDBTitle: apo structure of the hel308 superfamily 2 helicase
27	c1q19B_	Alignment	not modelled	100.0	21	PDB header: topoisomerase Chain: B: PDB Molecule: reverse gyrase; PDBTitle: archaeoglobus fulgidus reverse gyrase complexed with adpnp
28	c1oywA_	Alignment	not modelled	100.0	21	PDB header: hydrolase Chain: A: PDB Molecule: atp-dependent dna helicase; PDBTitle: structure of the recq catalytic core
						PDB header: hydrolase Chain: A: PDB Molecule: pre-mrna-processing atp-dependent rna

29	c4ljvA_	Alignment	not modelled	100.0	19	<p>helicase prp5; PDBTitle: crystal structure of rna splicing effector prp5 in complex with adp</p> <p>PDB header:hydrolase Chain: A; PDB Molecule:pre-mrna-splicing atp-dependent rna helicase prp28; PDBTitle: crystal structure of the yeast dead-box splicing factor prp28 at 2.542 angstroms resolution</p>
30	c4w7sA_	Alignment	not modelled	100.0	20	<p>PDB header:hydrolase Chain: A; PDB Molecule:transcription-repair coupling factor; PDBTitle: crystal structure of escherichia coli transcription-repair2 coupling factor</p>
31	c2eyqA_	Alignment	not modelled	100.0	24	<p>PDB header:hydrolase Chain: A; PDB Molecule:recg; PDBTitle: structure of recg bound to three-way dna junction</p>
32	c1gm5A_	Alignment	not modelled	100.0	22	<p>PDB header:hydrolase Chain: A; PDB Molecule:reverse gyrase; PDBTitle: thermotoga maritima reverse gyrase, triclinic form</p>
33	c4ddvA_	Alignment	not modelled	100.0	19	<p>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</p>
34	c3i5yA_	Alignment	not modelled	100.0	20	<p>PDB header:hydrolase Chain: C; PDB Molecule:atp-dependent dna helicase q5; PDBTitle: crystal structure of human recq5 helicase in complex with adp/mg2 (triclinic form).</p>
35	c5lb5C_	Alignment	not modelled	100.0	26	<p>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.</p>
36	c5jb2A_	Alignment	not modelled	100.0	22	<p>PDB header:hydrolase/rna Chain: A; PDB Molecule:atp-dependent rna helicase ddx58; PDBTitle: structural basis for rna recognition and activation of rig-i</p>
37	c3tmiA_	Alignment	not modelled	100.0	23	<p>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</p>
38	c2db3D_	Alignment	not modelled	100.0	23	<p>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</p>
39	c4q2dA_	Alignment	not modelled	100.0	20	<p>PDB header:translation, rna binding protein Chain: A; PDB Molecule:atp-dependent rna helicase ddx3x; PDBTitle: dead-box rna helicase ddx3x cancer-associated mutant d354v</p>
40	c4pxaA_	Alignment	not modelled	100.0	22	<p>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).</p>
41	c5jcfB_	Alignment	not modelled	100.0	22	<p>PDB header:hydrolase/rna Chain: A; PDB Molecule:atp-dependent rna helicase supv311, mitochondrial; PDBTitle: human mitochondrial helicase suv3 in complex with short rna fragment</p>
42	c3rc8A_	Alignment	not modelled	100.0	20	<p>PDB header:hydrolase Chain: A; PDB Molecule:atp-dependent rna helicase ddx19b; PDBTitle: human dead-box rna-helicase ddx19 in complex with adp</p>
43	c3ewsA_	Alignment	not modelled	100.0	22	<p>PDB header:hydrolase Chain: A; PDB Molecule:atp-dependent rna helicase ddx19b; PDBTitle: human dead-box rna-helicase ddx19 in complex with adp</p>
44	c4d25A_	Alignment	not modelled	100.0	21	<p>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</p>
45	c3bxzA_	Alignment	not modelled	100.0	18	<p>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</p>
46	c4gl2A_	Alignment	not modelled	100.0	17	<p>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</p>
47	c6c0fp_	Alignment	not modelled	100.0	19	<p>PDB header:ribosome Chain: P; PDB Molecule:60s ribosomal protein l17-a; PDBTitle: yeast nucleolar pre-60s ribosomal subunit (state 2)</p>
48	c1hv8B_	Alignment	not modelled	100.0	20	<p>PDB header:rna binding protein Chain: B; PDB Molecule:putative atp-dependent rna helicase mjo0669; PDBTitle: crystal structure of a dead box protein from the2 hyperthermophile methanococcus jannaschii</p>
49	c4nhoA_	Alignment	not modelled	100.0	21	<p>PDB header:hydrolase Chain: A; PDB Molecule:probable atp-dependent rna helicase ddx23; PDBTitle: structure of the spliceosomal dead-box protein prp28</p>
50	c5dtuA_	Alignment	not modelled	100.0	21	<p>PDB header:hydrolase Chain: A; PDB Molecule:prp28; PDBTitle: crystal structure of the rna-helicase prp28 from chaetomium2 thermophilum bound to adp</p>
51	c4qqxA_	Alignment	not modelled	100.0	20	<p>PDB header:hydrolase/dna Chain: A; PDB Molecule:crispr-associated helicase, cas3 family; PDBTitle: crystal structure of t. fusca cas3-atp</p>
52	c5zamA_	Alignment	not modelled	100.0	21	<p>PDB header:hydrolase/protein binding/rna Chain: A; PDB Molecule:endoribonuclease dicer; PDBTitle: cryo-em structure of human dicer and its complexes with a pre-mirna2 substrate</p>
53	c1s2mA_	Alignment	not modelled	100.0	21	<p>PDB header:rna binding protein Chain: A; PDB Molecule:putative atp-dependent rna helicase dhh1; PDBTitle: crystal structure of the dead box protein dhh1p</p>
						<p>PDB header:hydrolase/rna</p>

54	c3fhtA_	Alignment	not modelled	100.0	22	Chain: A: PDB Molecule: atp-dependent rna helicase ddx19b; PDBTitle: crystal structure of human dbp5 in complex with amppnp and rna
55	c5ivA_	Alignment	not modelled	100.0	25	PDB header: hydrolase Chain: A: PDB Molecule: dead-box atp-dependent rna helicase csha; PDBTitle: csha helicase
56	c6f4aB_	Alignment	not modelled	100.0	20	PDB header: hydrolase Chain: B: PDB Molecule: suv3 helicase; PDBTitle: yeast mitochondrial rna degradosome complex mtexo
57	c3kx2A_	Alignment	not modelled	100.0	20	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
58	c5supB_	Alignment	not modelled	100.0	23	PDB header: hydrolase/rna Chain: B: PDB Molecule: atp-dependent rna helicase sub2; PDBTitle: structure of mrna export factors
59	c4ct4B_	Alignment	not modelled	100.0	20	PDB header: rna binding protein Chain: B: PDB Molecule: probable atp-dependent rna helicase ddx6; PDBTitle: cnot1 mif4g domain - ddx6 complex
60	c1xtkA_	Alignment	not modelled	100.0	20	PDB header: gene regulation Chain: A: PDB Molecule: probable atp-dependent rna helicase p47; PDBTitle: structure of decd to dead mutation of human uap56
61	c2i4iA_	Alignment	not modelled	100.0	22	PDB header: hydrolase Chain: A: PDB Molecule: atp-dependent rna helicase ddx3x; PDBTitle: crystal structure of human dead-box rna helicase ddx3x
62	c3pexA_	Alignment	not modelled	100.0	20	PDB header: hydrolase Chain: A: PDB Molecule: atp-dependent rna helicase dbp5; PDBTitle: s. cerevisiae dbp5 I327v bound to gle1 h337r and ip6
63	c6hegA_	Alignment	not modelled	100.0	24	PDB header: hydrolase Chain: A: PDB Molecule: atp-dependent rna helicase hrpb; PDBTitle: crystal structure of escherichia coli deah/rna helicase hrpb
64	c6iczY_	Alignment	not modelled	100.0	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
65	c2hxyC_	Alignment	not modelled	100.0	21	PDB header: hydrolase Chain: C: PDB Molecule: probable atp-dependent rna helicase ddx48; PDBTitle: crystal structure of human apo-eif4aii
66	c2vsxA_	Alignment	not modelled	100.0	23	PDB header: translation/hydrolase Chain: A: PDB Molecule: atp-dependent rna helicase eif4a; PDBTitle: crystal structure of a translation initiation complex
67	c2jlrA_	Alignment	not modelled	100.0	21	PDB header: hydrolase Chain: A: PDB Molecule: serine protease subunit ns3; PDBTitle: dengue virus 4 ns3 helicase in complex with amppnp
68	c6jdeB_	Alignment	not modelled	100.0	21	PDB header: hydrolase Chain: B: PDB Molecule: putative dna repair helicase radd; PDBTitle: crystal structure of a dna repair protein
69	c2z0mA_	Alignment	not modelled	100.0	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
70	c5z58x_	Alignment	not modelled	100.0	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.
71	c5wsge_	Alignment	not modelled	100.0	18	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
72	c4kbfA_	Alignment	not modelled	100.0	24	PDB header: hydrolase Chain: A: PDB Molecule: heat resistant rna dependent atpase; PDBTitle: two different open conformations of the helicase core of the rna2 helicase hera
73	c3oiyB_	Alignment	not modelled	100.0	17	PDB header: isomerase Chain: B: PDB Molecule: reverse gyrase helicase domain; PDBTitle: helicase domain of reverse gyrase from thermotoga maritima
74	c5mqfq_	Alignment	not modelled	100.0	17	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)
75	c4xqkB_	Alignment	not modelled	100.0	19	PDB header: hydrolase/dna Chain: B: PDB Molecule: llabiii; PDBTitle: atp-dependent type isp restriction-modification enzyme llabiii bound2 to dna
76	c5n8zA_	Alignment	not modelled	100.0	20	PDB header: hydrolase Chain: A: PDB Molecule: cg9323, isoform a; PDBTitle: crystal structure of drosophila dhx36 helicase in complex with2 ctctccctt
77	c2ocaA_	Alignment	not modelled	100.0	16	PDB header: hydrolase Chain: A: PDB Molecule: atp-dependent dna helicase uvsw; PDBTitle: the crystal structure of t4 uvsw
78	c2v6iA_	Alignment	not modelled	100.0	16	PDB header: hydrolase Chain: A: PDB Molecule: rna helicase; PDBTitle: kokobera virus helicase: mutant met47thr
79	c5vheA_	Alignment	not modelled	100.0	20	PDB header: hydrolase Chain: A: PDB Molecule: deah (asp-glu-ala-his) box polypeptide 36; PDBTitle: dhx36 in complex with the c-myc g-quadruplex
						PDB header: splicing

80	c5mq0V_	Alignment	not modelled	100.0	17	Chain: V: PDB Molecule: pre-mrna-splicing factor atp-dependent rna helicase prp22; PDBTitle: structure of a spliceosome remodeled for exon ligation
81	c5ylzW_	Alignment	not modelled	100.0	20	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
82	c6fa5A_	Alignment	not modelled	100.0	21	PDB header: hydrolase Chain: A: PDB Molecule: putative mrna splicing factor; PDBTitle: crystal structure of the deah-box helicase prp2 in complex with adp
83	c2z83A_	Alignment	not modelled	100.0	17	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
84	c5xdrA_	Alignment	not modelled	100.0	18	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
85	c3eiqD_	Alignment	not modelled	100.0	20	PDB header: hydrolase/antitumor protein Chain: D: PDB Molecule: eukaryotic initiation factor 4a-i; PDBTitle: crystal structure of pdcd4-eif4a
86	c1wp9D_	Alignment	not modelled	100.0	30	PDB header: hydrolase Chain: D: PDB Molecule: atp-dependent rna helicase, putative; PDBTitle: crystal structure of pyrococcus furiosus hef helicase domain
87	c2fsgA_	Alignment	not modelled	100.0	17	PDB header: protein transport Chain: A: PDB Molecule: preprotein translocase seca subunit; PDBTitle: complex seca:atp from escherichia coli
88	c5lqwO_	Alignment	not modelled	100.0	17	PDB header: splicing Chain: O: PDB Molecule: pre-mrna-splicing factor atp-dependent rna helicase-like PDBTitle: yeast activated spliceosome
89	c4nl4H_	Alignment	not modelled	100.0	20	PDB header: dna binding protein Chain: H: PDB Molecule: primosome assembly protein pria; PDBTitle: pria helicase bound to adp
90	c5lj5Q_	Alignment	not modelled	100.0	19	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.
91	c6h57A_	Alignment	not modelled	100.0	18	PDB header: hydrolase Chain: A: PDB Molecule: probable atp-dependent rna helicase dhr1; PDBTitle: crystal structure of s. cerevisiae deah-box rna helicase dhr1,2 essential for small ribosomal subunit biogenesis
92	c2vbcA_	Alignment	not modelled	100.0	20	PDB header: hydrolase Chain: A: PDB Molecule: dengue 4 ns3 full-length protein; PDBTitle: crystal structure of the ns3 protease-helicase from dengue2 virus
93	c1c4oA_	Alignment	not modelled	100.0	26	PDB header: replication Chain: A: PDB Molecule: dna nucleotide excision repair enzyme uvrB; PDBTitle: crystal structure of the dna nucleotide excision repair enzyme uvrB2 from thermus thermophilus
94	c2wv9A_	Alignment	not modelled	100.0	20	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
95	c1ymfA_	Alignment	not modelled	100.0	14	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
96	c1a1vA_	Alignment	not modelled	100.0	16	PDB header: hydrolase/dna Chain: A: PDB Molecule: protein (ns3 protein); PDBTitle: hepatitis c virus ns3 helicase domain complexed with single2 stranded sdna
97	c3tbkA_	Alignment	not modelled	100.0	20	PDB header: hydrolase Chain: A: PDB Molecule: rig-i helicase domain; PDBTitle: mouse rig-i atpase domain
98	c2fsgB_	Alignment	not modelled	100.0	19	PDB header: protein transport Chain: B: PDB Molecule: preprotein translocase seca subunit; PDBTitle: complex seca:atp from escherichia coli
99	c4cbhC_	Alignment	not modelled	100.0	16	PDB header: hydrolase Chain: C: PDB Molecule: serine protease ns3; PDBTitle: pestivirus ns3 helicase
100	c6nmiA_	Alignment	not modelled	100.0	17	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
101	c5ivvV_	Alignment	not modelled	100.0	15	PDB header: transcription/dna Chain: V: PDB Molecule: tfiih basal transcription factor complex helicase xpb PDBTitle: human core tfiih bound to dna within the pic
102	c5fmf1_	Alignment	not modelled	100.0	17	PDB header: transcription Chain: 1: PDB Molecule: dna repair helicase rad25, ssl2; PDBTitle: the p-lobe of rna polymerase ii pre-initiation complex
103	c2qeqA_	Alignment	not modelled	100.0	17	PDB header: hydrolase Chain: A: PDB Molecule: flavivirin protease ns3 catalytic subunit; PDBTitle: crystal structure of kunjin virus ns3 helicase
104	c3fhoB_	Alignment	not modelled	100.0	23	PDB header: hydrolase Chain: B: PDB Molecule: atp-dependent rna helicase dbp5; PDBTitle: structure of s. pombe dbp5

105	c6i3oA_	Alignment	not modelled	100.0	20	PDB header: hydrolase Chain: A; PDB Molecule: putative pre-mrna splicing factor; PDBTitle: crystal structure of deah-box atpase prp22
106	c6o16A_	Alignment	not modelled	100.0	19	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
107	c5aorA_	Alignment	not modelled	100.0	21	PDB header: hydrolase/rna Chain: A; PDB Molecule: dosage compensation regulator; PDBTitle: structure of mle rna adp alf4 complex
108	c1tf2A_	Alignment	not modelled	100.0	23	PDB header: protein transport Chain: A; PDB Molecule: preprotein translocase seca subunit; PDBTitle: crystal structure of seca:adp in an open conformation from2 bacillus subtilis
109	c2fwrA_	Alignment	not modelled	100.0	22	PDB header: dna binding protein Chain: A; PDB Molecule: dna repair protein rad25; PDBTitle: structure of archaeoglobus fulgidis xpb
110	c4nl8E_	Alignment	not modelled	100.0	17	PDB header: dna binding protein Chain: E; PDB Molecule: primosome assembly protein pria; PDBTitle: pria helicase bound to ssb c-terminal tail peptide
111	c3dl8B_	Alignment	not modelled	100.0	24	PDB header: protein transport Chain: B; PDB Molecule: protein translocase subunit seca; PDBTitle: structure of the complex of aquifex aeolicus secyeg and bacillus2 subtilis seca
112	c5of4A_	Alignment	not modelled	100.0	16	PDB header: transcription Chain: A; PDB Molecule: tfiih basal transcription factor complex helicase xpb PDBTitle: the cryo-em structure of human tfiih
113	c6ro4A_	Alignment	not modelled	100.0	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
114	c3fe2B_	Alignment	not modelled	100.0	21	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
115	c5gvrA_	Alignment	not modelled	100.0	18	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
116	c5tnuB_	Alignment	not modelled	100.0	23	PDB header: transcription Chain: B; PDB Molecule: dna-dependent atpase xpbii; PDBTitle: s. tokodaii xpb ii crystal structure at 3.0 angstrom resolution
117	c4px9C_	Alignment	not modelled	100.0	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
118	c4cbmA_	Alignment	not modelled	100.0	20	PDB header: hydrolase Chain: A; PDB Molecule: serine protease ns3; PDBTitle: pestivirus ns3 helicase
119	d2bmfa2	Alignment	not modelled	100.0	18	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: RNA helicase
120	c6buaA_	Alignment	not modelled	100.0	22	PDB header: rna binding protein Chain: A; PDB Molecule: dicer-2, isoform a; PDBTitle: drosophila dicer-2 apo homology model (helicase, platform-paz,2 rnaseiii domains)