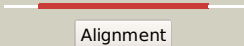

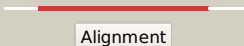

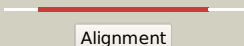


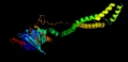




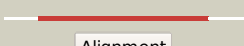


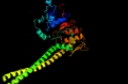








Phyre2

Email mdejesus@rockefeller.edu
 Description RVBD0003_(recF)_3280_4437
 Date Tue Jul 23 14:50:02 BST 2019
 Unique Job ID b491e8acf9bcba00

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c5z68D_			100.0	23	PDB header: dna binding protein Chain: D: PDB Molecule: dna replication and repair protein recf; PDBTitle: structure of the recombination mediator protein recf-atp in recfor2 pathway
2	c2o5vA_			100.0	33	PDB header: replication/recombination Chain: A: PDB Molecule: dna replication and repair protein recf; PDBTitle: recombination mediator recf
3	c5zwuA_			100.0	31	PDB header: recombination Chain: A: PDB Molecule: dna replication and repair protein recf; PDBTitle: crystal structure of recombination mediator protein recf
4	c4ad8A_			100.0	20	PDB header: dna binding protein Chain: A: PDB Molecule: dna repair protein recn; PDBTitle: crystal structure of a deletion mutant of deinococcus radiodurans2 recn
5	c6qj1A_			100.0	12	PDB header: cell cycle Chain: A: PDB Molecule: structural maintenance of chromosomes protein,structural PDBTitle: crystal structure of the c. thermophilum condensin smc2 atpase head2 (crystal from i)
6	c5xnsA_			100.0	17	PDB header: dna binding protein/cell cycle Chain: A: PDB Molecule: chromosome partition protein smc; PDBTitle: crystal structure of the smc head domain with an extended coiled coil2 bound to the c-terminal domain of scpa derived from pyrococcus3 furiosus
7	c6qj2A_			100.0	17	PDB header: cell cycle Chain: A: PDB Molecule: smc4; PDBTitle: crystal structure of the c. thermophilum condensin smc4 atpase head in2 complex with the c-terminal domain of brn1
8	c4ux3A_			100.0	15	PDB header: protein binding Chain: A: PDB Molecule: structural maintenance of chromosomes protein 3; PDBTitle: cohesin smc3-hd:scc1-n complex from yeast
9	c5dacA_			100.0	15	PDB header: hydrolase Chain: A: PDB Molecule: putative uncharacterized protein,putative uncharacterized PDBTitle: atp-gamma-s bound rad50 from chaetomium thermophilum in complex with2 dna
10	c3auyB_			100.0	14	PDB header: recombination Chain: B: PDB Molecule: dna double-strand break repair rad50 atpase; PDBTitle: crystal structure of rad50 bound to adp
11	c5h68B_			100.0	22	PDB header: dna binding protein, cell cycle Chain: B: PDB Molecule: chromosome partition protein smc; PDBTitle: crystal structure of an engaged dimer of the geobacillus2 stearothermophilus smc head domain

12	c6qj4C_	Alignment		99.9	17	PDB header: cell cycle Chain: C: PDB Molecule: uncharacterized protein,uncharacterized protein; PDBTitle: crystal structure of the c. thermophilum condensin ycs4-brn12 subcomplex bound to the smc4 atpase head in complex with the c-3 terminal domain of brn1
13	c3zgxA_	Alignment		99.9	14	PDB header: cell cycle Chain: A: PDB Molecule: chromosome partition protein smc; PDBTitle: crystal structure of the kleisin-n smc interface in2 prokaryotic condensin
14	c5xeiA_	Alignment		99.9	16	PDB header: dna binding protein, cell cycle Chain: A: PDB Molecule: chromosome partition protein smc; PDBTitle: crystal structure of the smc head domain with a coiled coil and joint2 derived from pyrococcus yayanosii
15	c4abyC_	Alignment		99.9	21	PDB header: hydrolase Chain: C: PDB Molecule: dna repair protein recn; PDBTitle: crystal structure of deinococcus radiodurans recn head2 domain
16	c4i99A_	Alignment		99.9	18	PDB header: dna binding protein Chain: A: PDB Molecule: chromosome partition protein smc; PDBTitle: crystal structure of the smchead bound to the c-winged helix domain of2 scpa
17	c4abyD_	Alignment		99.9	17	PDB header: hydrolase Chain: D: PDB Molecule: dna repair protein recn; PDBTitle: crystal structure of deinococcus radiodurans recn head2 domain
18	d1w1wa_	Alignment		99.9	18	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: ABC transporter ATPase domain-like
19	c3qkuB_	Alignment		99.9	16	PDB header: replication Chain: B: PDB Molecule: dna double-strand break repair rad50 atpase; PDBTitle: mre11 rad50 binding domain in complex with rad50 and amp-pnp
20	d1e69a_	Alignment		99.8	20	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: ABC transporter ATPase domain-like
21	c3qg5A_	Alignment	not modelled	99.6	24	PDB header: hydrolase Chain: A: PDB Molecule: rad50; PDBTitle: the mre11:rad50 complex forms an atp dependent molecular clamp in dna2 double-strand break repair
22	c1ii8A_	Alignment	not modelled	99.6	19	PDB header: replication Chain: A: PDB Molecule: rad50 abc-atpase; PDBTitle: crystal structure of the p. furiosus rad50 atpase domain
23	c1us8A_	Alignment	not modelled	99.5	16	PDB header: dna repair Chain: A: PDB Molecule: dna double-strand break repair rad50 atpase; PDBTitle: the rad50 signature motif: essential to atp binding and2 biological function
24	c1xexA_	Alignment	not modelled	99.5	23	PDB header: cell cycle Chain: A: PDB Molecule: smc protein; PDBTitle: structural biochemistry of atp-driven dimerization and dna2 stimulated activation of smc atpases.
25	c4mkiB_	Alignment	not modelled	99.4	20	PDB header: hydrolase Chain: B: PDB Molecule: energy-coupling factor transporter atp-binding protein PDBTitle: cobalt transporter atp-binding subunit
26	c1z47B_	Alignment	not modelled	99.4	28	PDB header: ligand binding protein Chain: B: PDB Molecule: putative abc-transporter atp-binding protein; PDBTitle: structure of the atpase subunit cysa of the putative sulfate atp-2 binding cassette (abc) transporter from alicyclobacillus3 acidocaldarius
27	c3dhwC_	Alignment	not modelled	99.4	23	PDB header: membrane protein/hydrolase Chain: C: PDB Molecule: methionine import atp-binding protein metn; PDBTitle: crystal structure of methionine importer metni
						PDB header: hydrolase Chain: B: PDB Molecule: lipopolysaccharide export system atp-

28	c4p31B_	Alignment	not modelled	99.4	27	binding protein lptb; PDBTitle: crystal structure of a selenomethionine derivative of e. coli lptb in2 complex with adp-magnesium
29	c5x40A_	Alignment	not modelled	99.4	30	PDB header: transport protein Chain: A: PDB Molecule: cobalt abc transporter atp-binding protein; PDBTitle: structure of a cbio dimer bound with amppcp
30	c2yz2B_	Alignment	not modelled	99.4	20	PDB header: hydrolase Chain: B: PDB Molecule: putative abc transporter atp-binding protein tm_0222; PDBTitle: crystal structure of the abc transporter in the cobalt transport2 system
31	c1oxtB_	Alignment	not modelled	99.4	28	PDB header: transport protein Chain: B: PDB Molecule: abc transporter, atp binding protein; PDBTitle: crystal structure of glcv, the abc-atpase of the glucose abc2 transporter from sulfolobus solfataricus
32	c4yerB_	Alignment	not modelled	99.4	22	PDB header: hydrolase Chain: B: PDB Molecule: abc transporter atp-binding protein; PDBTitle: crystal structure of an abc transporter atp-binding protein (tm_1403)2 from thermotoga maritima msb8 at 2.35 a resolution
33	c4rvcA_	Alignment	not modelled	99.4	24	PDB header: transport protein Chain: A: PDB Molecule: abc transporter atp-binding protein; PDBTitle: structure of atp binding subunit of abc transporter
34	c4wbsA_	Alignment	not modelled	99.4	28	PDB header: transport protein Chain: A: PDB Molecule: abc transporter related; PDBTitle: crystal structure of an abc transporter related protein from2 burkholderia phymatum
35	d3dhwc1	Alignment	not modelled	99.4	21	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: ABC transporter ATPase domain-like
36	c3gfoA_	Alignment	not modelled	99.4	24	PDB header: atp binding protein Chain: A: PDB Molecule: cobalt import atp-binding protein cbio 1; PDBTitle: structure of cbio1 from clostridium perfringens: part of the abc2 transporter complex cbionq.
37	c4u02C_	Alignment	not modelled	99.4	28	PDB header: transport protein Chain: C: PDB Molecule: amino acid abc transporter, atp-binding protein; PDBTitle: crystal structure of apo-ttha1159
38	c1vciA_	Alignment	not modelled	99.3	28	PDB header: transport protein Chain: A: PDB Molecule: sugar-binding transport atp-binding protein; PDBTitle: crystal structure of the atp-binding cassette of multisugar2 transporter from pyrococcus horikoshii ot3 complexed with3 atp
39	c3fvqB_	Alignment	not modelled	99.3	21	PDB header: hydrolase Chain: B: PDB Molecule: fe(3+) ions import atp-binding protein fbpc; PDBTitle: crystal structure of the nucleotide binding domain fbpc complexed with2 atp
40	c5x5yB_	Alignment	not modelled	99.3	22	PDB header: membrane protein Chain: B: PDB Molecule: probable atp-binding component of abc transporter; PDBTitle: a membrane protein complex
41	d1g2912	Alignment	not modelled	99.3	22	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: ABC transporter ATPase domain-like
42	d1v43a3	Alignment	not modelled	99.3	28	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: ABC transporter ATPase domain-like
43	d1qhla_	Alignment	not modelled	99.3	14	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: ABC transporter ATPase domain-like
44	d1vpla_	Alignment	not modelled	99.3	22	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: ABC transporter ATPase domain-like
45	c2d2fA_	Alignment	not modelled	99.3	23	PDB header: protein binding Chain: A: PDB Molecule: sufc protein; PDBTitle: crystal structure of atypical cytoplasmic abc-atpase sufcd from thermus2 thermophilus hb8
46	c2it1B_	Alignment	not modelled	99.3	25	PDB header: transport protein Chain: B: PDB Molecule: 362aa long hypothetical maltose/maltodextrin PDBTitle: structure of ph0203 protein from pyrococcus horikoshii
47	c6n9lA_	Alignment	not modelled	99.3	17	PDB header: dna binding protein Chain: A: PDB Molecule: uvrabc system protein a; PDBTitle: crystal structure of t. maritima uvra d117-399 with adp
48	d1ji0a_	Alignment	not modelled	99.3	23	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: ABC transporter ATPase domain-like
49	c3d31B_	Alignment	not modelled	99.3	21	PDB header: transport protein Chain: B: PDB Molecule: sulfate/molybdate abc transporter, atp-binding protein; PDBTitle: modbc from methanosarcina acetivorans
50	c6bzcA_	Alignment	not modelled	99.3	27	PDB header: transport protein Chain: A: PDB Molecule: multidrug resistance-associated protein 6; PDBTitle: human abcc6 nbd2 in adp-bound state
51	c6c0vA_	Alignment	not modelled	99.3	26	PDB header: transport protein Chain: A: PDB Molecule: multidrug resistance protein 1; PDBTitle: molecular structure of human p-glycoprotein in the atp-bound, outward-2 facing conformation
52	c5uj9A_	Alignment	not modelled	99.3	22	PDB header: transport protein Chain: A: PDB Molecule: bovine multidrug resistance protein 1 (mrp1),multidrug PDBTitle: cryo-em structure of bovine multidrug resistance protein 1 (mrp1)
						PDB header: hydrolase

53	c2olkD_	Alignment	not modelled	99.3	18	Chain: D: PDB Molecule: amino acid abc transporter; PDBTitle: abc protein artp in complex with adp-beta-s
54	c4fwIB_	Alignment	not modelled	99.3	26	PDB header: transport protein Chain: B: PDB Molecule: abc-type dipeptide/oligopeptide/nickel transport system, PDBTitle: crystal structure of the nucleotide-binding domain of a dipeptide abc2 transporter
55	c5ws4A_	Alignment	not modelled	99.3	22	PDB header: membrane protein Chain: A: PDB Molecule: macrolide export atp-binding/permease protein macb; PDBTitle: crystal structure of tripartite-type abc transporter macb from2 acinetobacter baumannii
56	c1yqtA_	Alignment	not modelled	99.3	34	PDB header: hydrolyase/translation Chain: A: PDB Molecule: rnase I inhibitor; PDBTitle: rnase-I inhibitor
57	c2yyzA_	Alignment	not modelled	99.3	21	PDB header: transport protein Chain: A: PDB Molecule: sugar abc transporter, atp-binding protein; PDBTitle: crystal structure of sugar abc transporter, atp-binding protein
58	c4hzuB_	Alignment	not modelled	99.3	20	PDB header: hydrolase, transport protein Chain: B: PDB Molecule: energy-coupling factor transporter atp-binding protein ecfa PDBTitle: structure of a bacterial energy-coupling factor transporter
59	c5lj7B_	Alignment	not modelled	99.3	18	PDB header: transport protein Chain: B: PDB Molecule: macrolide export atp-binding/permease protein macb; PDBTitle: structure of aggregatibacter actinomycetemcomitans macb bound to atp2 (p21)
60	d1g6ha_	Alignment	not modelled	99.3	17	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: ABC transporter ATPase domain-like
61	c3g5uB_	Alignment	not modelled	99.3	24	PDB header: membrane protein Chain: B: PDB Molecule: multidrug resistance protein 1a; PDBTitle: structure of p-glycoprotein reveals a molecular basis for2 poly-specific drug binding
62	c5ochF_	Alignment	not modelled	99.3	27	PDB header: hydrolase Chain: F: PDB Molecule: atp-binding cassette sub-family b member 8, mitochondrial; PDBTitle: the crystal structure of human abcb8 in an outward-facing state
63	d3b60a1	Alignment	not modelled	99.3	22	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: ABC transporter ATPase domain-like
64	c4g1uD_	Alignment	not modelled	99.3	22	PDB header: transport protein/hydrolase Chain: D: PDB Molecule: hemin import atp-binding protein hmuV; PDBTitle: x-ray structure of the bacterial heme transporter hmuV from yersinia2 pestis
65	d1b0ua_	Alignment	not modelled	99.3	16	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: ABC transporter ATPase domain-like
66	c4tqvO_	Alignment	not modelled	99.3	23	PDB header: transport protein Chain: O: PDB Molecule: algls; PDBTitle: crystal structure of a bacterial abc transporter involved in the2 import of the acidic polysaccharide alginate
67	c3qf4A_	Alignment	not modelled	99.3	21	PDB header: transport protein Chain: A: PDB Molecule: abc transporter, atp-binding protein; PDBTitle: crystal structure of a heterodimeric abc transporter in its inward-2 facing conformation
68	c2pcjB_	Alignment	not modelled	99.2	20	PDB header: hydrolase Chain: B: PDB Molecule: lipoprotein-releasing system atp-binding protein lold; PDBTitle: crystal structure of abc transporter (aq_297) from aquifex aeolicus2 vf5
69	c5d3mF_	Alignment	not modelled	99.2	19	PDB header: transport protein Chain: F: PDB Molecule: energy-coupling factor transporter atp-binding protein PDBTitle: folate ecf transporter: amppnp bound state
70	c4ymuJ_	Alignment	not modelled	99.2	25	PDB header: protein binding/transport protein Chain: J: PDB Molecule: abc-type polar amino acid transport system, atpase PDBTitle: crystal structure of an amino acid abc transporter complex with2 arginines and atps
71	c4pl0B_	Alignment	not modelled	99.2	19	PDB header: transport protein Chain: B: PDB Molecule: microcin-j25 export atp-binding/permease protein mcjD; PDBTitle: crystal structure of the antibacterial peptide abc transporter mcjD in2 an outward occluded state
72	c2d62A_	Alignment	not modelled	99.2	17	PDB header: sugar binding protein Chain: A: PDB Molecule: multiple sugar-binding transport atp-binding PDBTitle: crystal structure of multiple sugar binding transport atp-2 binding protein
73	c4hziA_	Alignment	not modelled	99.2	21	PDB header: transport protein Chain: A: PDB Molecule: abc transporter atp-binding protein; PDBTitle: crystal structure of the leptospira interrogans atpase subunit of an2 orphan abc transporter
74	d3d31a2	Alignment	not modelled	99.2	21	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: ABC transporter ATPase domain-like
75	c6bhuA_	Alignment	not modelled	99.2	22	PDB header: transport protein Chain: A: PDB Molecule: multidrug resistance-associated protein 1; PDBTitle: cryo-em structure of atp-bound, outward-facing bovine multidrug2 resistance protein 1 (mrp1)
76	c3vx4D_	Alignment	not modelled	99.2	19	PDB header: transport protein Chain: D: PDB Molecule: putative abc transporter, atp-binding protein coma; PDBTitle: crystal structure of the nucleotide-binding domain of s. mutans coma,2 a bifunctional atp-binding cassette transporter

						involved in the3 quorum-sensing pathway PDB header: transport protein Chain: C: PDB Molecule: iron-sulfur clusters transporter atm1, mitochondrial; PDBTitle: structure of the mitochondrial abc transporter, atm1
77	c4mycC_	Alignment	not modelled	99.2	20	
78	d1oxxk2	Alignment	not modelled	99.2	23	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: ABC transporter ATPase domain-like
79	c2ihyB_	Alignment	not modelled	99.2	24	PDB header: hydrolase Chain: B: PDB Molecule: abc transporter, atp-binding protein; PDBTitle: structure of the staphylococcus aureus putative atpase subunit of an2 atp-binding cassette (abc) transporter
80	c5ujaA_	Alignment	not modelled	99.2	22	PDB header: protein transport Chain: A: PDB Molecule: bovine multidrug resistance protein 1 (mrp1),multidrug PDBTitle: cryo-em structure of bovine multidrug resistance protein 1 (mrp1)2 bound to leukotriene c4
81	c2yl4A_	Alignment	not modelled	99.2	25	PDB header: membrane protein Chain: A: PDB Molecule: atp-binding cassette sub-family b member 10, PDBTitle: structure of the human mitochondrial abc transporter, abcb10
82	c5u71A_	Alignment	not modelled	99.2	21	PDB header: membrane protein, hydrolase Chain: A: PDB Molecule: cystic fibrosis transmembrane conductance regulator; PDBTitle: structure of human cystic fibrosis transmembrane conductance regulator2 (cftr)
83	c2d3wB_	Alignment	not modelled	99.2	24	PDB header: biosynthetic protein Chain: B: PDB Molecule: probable atp-dependent transporter sufc; PDBTitle: crystal structure of escherichia coli sufc, an atpase2 compenent of the suf iron-sulfur cluster assembly machinery
84	c4finA_	Alignment	not modelled	99.2	19	PDB header: atp-binding protein Chain: A: PDB Molecule: etta (yijk) abcf family protein; PDBTitle: crystal structure of etta (formerly yijk) - an e. coli abc-type atpase
85	d1mv5a_	Alignment	not modelled	99.2	25	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: ABC transporter ATPase domain-like
86	c6ic4I_	Alignment	not modelled	99.2	21	PDB header: protein transport Chain: I: PDB Molecule: abc transporter atp-binding protein; PDBTitle: cryo-em structure of the a. baumannii mla complex at 8.7 a resolution
87	c4f4cA_	Alignment	not modelled	99.2	22	PDB header: hydrolase,protein transport Chain: A: PDB Molecule: multidrug resistance protein pgp-1; PDBTitle: the crystal structure of the multi-drug transporter
88	c5mkkB_	Alignment	not modelled	99.2	27	PDB header: transport protein Chain: B: PDB Molecule: multidrug resistance abc transporter atp-binding and PDBTitle: crystal structure of the heterodimeric abc transporter tmrab, a2 homolog of the antigen translocation complex tap
89	c3ozxA_	Alignment	not modelled	99.2	31	PDB header: hydrolase, translation Chain: A: PDB Molecule: rnase l inhibitor; PDBTitle: crystal structure of abce1 of sulfolobus solfataricus (-fes domain)
90	c2hydB_	Alignment	not modelled	99.2	24	PDB header: transport protein Chain: B: PDB Molecule: abc transporter homolog; PDBTitle: multidrug abc transporter sav1866
91	d1jj7a_	Alignment	not modelled	99.2	22	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: ABC transporter ATPase domain-like
92	c3ux8A_	Alignment	not modelled	99.2	18	PDB header: dna binding protein Chain: A: PDB Molecule: excinuclease abc, a subunit; PDBTitle: crystal structure of uvra
93	d2pmka1	Alignment	not modelled	99.2	20	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: ABC transporter ATPase domain-like
94	c5xu1A_	Alignment	not modelled	99.2	20	PDB header: transport protein Chain: A: PDB Molecule: abc transporter atp-binding protein; PDBTitle: structure of a non-canonical abc transporter from streptococcus2 pneumoniae r6
95	c6c3oE_	Alignment	not modelled	99.2	21	PDB header: transport protein Chain: E: PDB Molecule: atp-binding cassette sub-family c member 8; PDBTitle: cryo-em structure of human katp bound to atp and adp in quatrefoil2 form
96	c3gd7C_	Alignment	not modelled	99.2	17	PDB header: hydrolase Chain: C: PDB Molecule: fusion complex of cystic fibrosis transmembrane conductance PDBTitle: crystal structure of human nbd2 complexed with n6-phenylethyl-atp (p-2 atp)
97	c5ochH_	Alignment	not modelled	99.2	28	PDB header: hydrolase Chain: H: PDB Molecule: atp-binding cassette sub-family b member 8, mitochondrial; PDBTitle: the crystal structure of human abcb8 in an outward-facing state
98	c3qf4B_	Alignment	not modelled	99.2	27	PDB header: transport protein Chain: B: PDB Molecule: uncharacterized abc transporter atp-binding protein PDBTitle: crystal structure of a heterodimeric abc transporter in its inward-2 facing conformation
99	d1l2ta_	Alignment	not modelled	99.2	18	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: ABC transporter ATPase domain-like
100	d2onka1	Alignment	not modelled	99.2	24	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: ABC transporter ATPase domain-like

101	c4mrnB_	Alignment	not modelled	99.2	27	PDB header: transport protein Chain: B: PDB Molecule: abc transporter related protein; PDBTitle: structure of a bacterial atm1-family abc transporter
102	c5l22B_	Alignment	not modelled	99.2	22	PDB header: protein transport Chain: B: PDB Molecule: abc transporter (hlyb subfamily); PDBTitle: prttd t1ss abc transporter
103	c6amxA_	Alignment	not modelled	99.2	17	PDB header: transport protein Chain: A: PDB Molecule: abc transporter; PDBTitle: crystal structure of nucelotide binding domain of o-antigen2 polysaccharide abc-transporter
104	c3eukC_	Alignment	not modelled	99.2	17	PDB header: cell cycle Chain: C: PDB Molecule: chromosome partition protein mukb, linker; PDBTitle: crystal structure of muke-mukf(residues 292-443)-mukb(head domain)-2 atpgammas complex, asymmetric dimer
105	c2pjzA_	Alignment	not modelled	99.2	24	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: hypothetical protein st1066; PDBTitle: the crystal structure of putative cobalt transport atp-2 binding protein (cbio-2), st1066
106	c5mkkA_	Alignment	not modelled	99.2	33	PDB header: transport protein Chain: A: PDB Molecule: multidrug resistance abc transporter atp-binding and PDBTitle: crystal structure of the heterodimeric abc transporter tmrab, a2 homolog of the antigen translocation complex tap
107	c5u1dA_	Alignment	not modelled	99.2	24	PDB header: transport protein Chain: A: PDB Molecule: antigen peptide transporter 1; PDBTitle: cryo-em structure of the human tap atp-binding cassette transporter
108	c4hluC_	Alignment	not modelled	99.2	25	PDB header: hydrolase Chain: C: PDB Molecule: energy-coupling factor transporter atp-binding protein PDBTitle: structure of the ecfa-a' heterodimer bound to adp
109	c5x7kB_	Alignment	not modelled	99.2	26	PDB header: transport protein Chain: B: PDB Molecule: lipase b; PDBTitle: crystal structure of the nucleotide-binding domain (nbd) of lipb, a2 abc transporter subunit of a type i secretion system
110	c5xjyA_	Alignment	not modelled	99.2	23	PDB header: transport protein Chain: A: PDB Molecule: atp-binding cassette sub-family a member 1; PDBTitle: cryo-em structure of human abca1
111	c5tsiA_	Alignment	not modelled	99.2	22	PDB header: membrane protein, hydrolase Chain: A: PDB Molecule: cystic fibrosis transmembrane conductance regulator; PDBTitle: structure of the cystic fibrosis transmembrane conductance regulator2 (cfr) from zebrafish
112	c5idvA_	Alignment	not modelled	99.2	25	PDB header: transport protein Chain: A: PDB Molecule: lipid a export atp-binding/permease protein msba; PDBTitle: structure of the nucleotide binding domain of an abc transporter msba2 from acinetobacter baumannii
113	c5d3mA_	Alignment	not modelled	99.2	18	PDB header: transport protein Chain: A: PDB Molecule: energy-coupling factor transporter atp-binding protein PDBTitle: folate ecf transporter: amppnp bound state
114	c5nikK_	Alignment	not modelled	99.2	24	PDB header: transport protein Chain: K: PDB Molecule: macrolide export atp-binding/permease protein macb; PDBTitle: structure of the macab-tolc abc-type tripartite multidrug efflux pump
115	c3bk7A_	Alignment	not modelled	99.1	30	PDB header: hydrolyase/translation Chain: A: PDB Molecule: abc transporter atp-binding protein; PDBTitle: structure of the complete abce1/rnaase-i inhibitor protein from2 pyrococcus abyssi
116	d2hyda1	Alignment	not modelled	99.1	21	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: ABC transporter ATPase domain-like
117	c2nq2C_	Alignment	not modelled	99.1	27	PDB header: metal transport Chain: C: PDB Molecule: hypothetical abc transporter atp-binding protein PDBTitle: an inward-facing conformation of a putative metal-chelate2 type abc transporter.
118	c3zqjF_	Alignment	not modelled	99.1	35	PDB header: dna binding protein Chain: F: PDB Molecule: uvrabc system protein a; PDBTitle: mycobacterium tuberculosis uvrA
119	d1r0wa_	Alignment	not modelled	99.1	16	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: ABC transporter ATPase domain-like
120	c5zxdB_	Alignment	not modelled	99.1	18	PDB header: translation Chain: B: PDB Molecule: atp-binding cassette sub-family f member 1; PDBTitle: crystal structure of atp-bound human abcf1