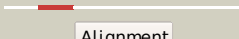
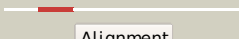
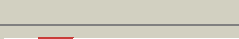
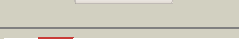
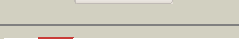
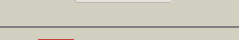
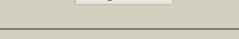
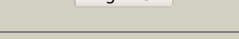
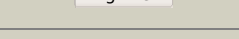
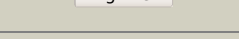
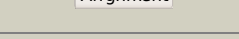
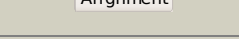
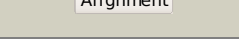
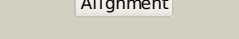
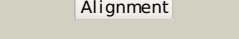
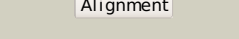
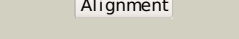
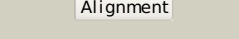
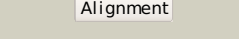
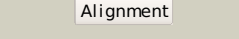
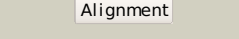


#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c3j04A_	 Alignment		100.0	32	PDB header: structural protein Chain: A: PDB Molecule: myosin-11; PDBTitle: em structure of the heavy meromyosin subfragment of chick smooth2 muscle myosin with regulatory light chain in phosphorylated state
2	cli84V_	 Alignment		100.0	32	PDB header: contractile protein Chain: V: PDB Molecule: smooth muscle myosin heavy chain; PDBTitle: cryo-em structure of the heavy meromyosin subfragment of2 chicken gizzard smooth muscle myosin with regulatory light3 chain in the dephosphorylated state. only c alphas4 provided for regulatory light chain. only backbone atoms5 provided for s2 fragment.
3	c2bkiA_	 Alignment		100.0	34	PDB header: motor protein/metal-binding protein Chain: A: PDB Molecule: unconventional myosin; PDBTitle: myosin vi nucleotide-free (mdinsert2-iq) crystal structure
4	c2otqA_	 Alignment		100.0	35	PDB header: contractile protein Chain: A: PDB Molecule: myosin heavy chain; PDBTitle: rigor-like structures of muscle myosins reveal key2 mechanical elements in the transduction pathways of this3 allosteric motor
5	c2bkhA_	 Alignment		100.0	34	PDB header: motor protein/metal-binding protein Chain: A: PDB Molecule: unconventional myosin; PDBTitle: myosin vi nucleotide-free (mdinsert2) crystal structure
6	c1br4E_	 Alignment		100.0	34	PDB header: muscle protein Chain: E: PDB Molecule: myosin; PDBTitle: smooth muscle myosin motor domain-essential light chain2 complex with mgadp.bef3 bound at the active site
7	c2ycuA_	 Alignment		100.0	29	PDB header: motor protein Chain: A: PDB Molecule: non muscle myosin 2c, alpha-actinin; PDBTitle: crystal structure of human non muscle myosin 2c in pre-power stroke2 state
8	c2dfsA_	 Alignment		100.0	34	PDB header: contractile protein/transport protein Chain: A: PDB Molecule: myosin-5a; PDBTitle: 3-d structure of myosin-v inhibited state
9	c1g8xB_	 Alignment		100.0	31	PDB header: structural protein Chain: B: PDB Molecule: myosin ii heavy chain fused to alpha-actinin 3; PDBTitle: structure of a genetically engineered molecular motor
10	c3dtpA_	 Alignment		100.0	29	PDB header: contractile protein Chain: A: PDB Molecule: myosin 2 heavy chain chimera of smooth and PDBTitle: tarantula heavy meromyosin obtained by flexible docking to2 tarantula muscle thick filament cryo-em 3d-map
11	d1kk8a2	 Alignment		100.0	36	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Motor proteins

12	c1oe9A_	Alignment		100.0	37	PDB header: atpase/myosin Chain: A: PDB Molecule: myosin va; PDBTitle: crystal structure of myosin v motor with essential light2 chain - nucleotide-free
13	d1d0xa2	Alignment		100.0	36	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Motor proteins
14	d1w7ja2	Alignment		100.0	38	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Motor proteins
15	c2vb6A_	Alignment		100.0	35	PDB header: motor protein Chain: A: PDB Molecule: myosin vi; PDBTitle: myosin vi (md-insert2-cam, delta insert1) post-rigor state (2 crystal form 2)
16	c1w8jD_	Alignment		100.0	38	PDB header: motor protein Chain: D: PDB Molecule: myosin va; PDBTitle: crystal structure of myosin v motor domain -2 nucleotide-free
17	c1w9iA_	Alignment		100.0	37	PDB header: myosin Chain: A: PDB Molecule: myosin ii heavy chain; PDBTitle: myosin ii dictyostelium discoideum motor domain s456y bound2 with mgadp-befx
18	d1lkxa_	Alignment		100.0	47	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Motor proteins
19	c1br2C_	Alignment		100.0	36	PDB header: muscle protein Chain: C: PDB Molecule: myosin; PDBTitle: smooth muscle myosin motor domain complexed with mgadp.alf4
20	c1o1aP_	Alignment		100.0	31	PDB header: contractile protein Chain: P: PDB Molecule: skeletal muscle myosin ii; PDBTitle: molecular models of averaged rigor crossbridges from2 tomograms of insect flight muscle
21	d1br2a2	Alignment	not modelled	100.0	37	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Motor proteins
22	d2mysa2	Alignment	not modelled	100.0	33	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Motor proteins
23	d1mnda2	Alignment	not modelled	100.0	38	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Motor proteins
24	c2ix7C_	Alignment	not modelled	98.1	29	PDB header: contractile protein/metal binding Chain: C: PDB Molecule: myosin-5a; PDBTitle: structure of apo-calmodulin bound to unconventional myosin2 v
25	d1iqpa2	Alignment	not modelled	96.4	15	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Extended AAA-ATPase domain
26	c2chgB_	Alignment	not modelled	96.3	20	PDB header: dna-binding protein Chain: B: PDB Molecule: replication factor c small subunit; PDBTitle: replication factor c domains 1 and 2
27	d1sxb2	Alignment	not modelled	96.2	20	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Extended AAA-ATPase domain
28	c1sxbB_	Alignment	not modelled	96.0	20	PDB header: replication Chain: B: PDB Molecule: activator 1 37 kda subunit; PDBTitle: crystal structure of the eukaryotic clamp loader (replication factor2 c, rfc) bound to the dna sliding clamp (proliferating cell nuclear3 antigen, pcna)

29	d1vmaa2	Alignment	not modelled	95.7	18	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nitrogenase iron protein-like
30	d1qzxa3	Alignment	not modelled	95.6	18	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nitrogenase iron protein-like
31	c1sxD	Alignment	not modelled	95.6	21	PDB header: replication Chain: D: PDB Molecule: activator 1 41 kda subunit; PDBTitle: crystal structure of the eukaryotic clamp loader (replication factor2 c, rfc) bound to the dna sliding clamp (proliferating cell nuclear3 antigen, pcna)
32	d1ixsb2	Alignment	not modelled	95.6	18	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Extended AAA-ATPase domain
33	d1sxc2	Alignment	not modelled	95.6	18	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Extended AAA-ATPase domain
34	c1sxC	Alignment	not modelled	95.6	20	PDB header: replication Chain: C: PDB Molecule: activator 1 40 kda subunit; PDBTitle: crystal structure of the eukaryotic clamp loader (replication factor2 c, rfc) bound to the dna sliding clamp (proliferating cell nuclear3 antigen, pcna)
35	d1njfa	Alignment	not modelled	95.6	16	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Extended AAA-ATPase domain
36	d2qy9a2	Alignment	not modelled	95.5	18	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nitrogenase iron protein-like
37	d1okkd2	Alignment	not modelled	95.4	21	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nitrogenase iron protein-like
38	c2chvE	Alignment	not modelled	95.4	21	PDB header: dna-binding protein Chain: E: PDB Molecule: replication factor c small subunit; PDBTitle: replication factor c adnp complex
39	d1m7ga	Alignment	not modelled	95.4	15	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Adenosine-5'phosphosulfate kinase (APS kinase)
40	c2z4rB	Alignment	not modelled	95.3	22	PDB header: dna binding protein Chain: B: PDB Molecule: chromosomal replication initiator protein dnaa; PDBTitle: crystal structure of domain iii from the thermotoga2 maritima replication initiation protein dnaa
41	c1xxhB	Alignment	not modelled	95.2	16	PDB header: transferase Chain: B: PDB Molecule: dna polymerase iii subunit gamma; PDBTitle: atpgs bound e. coli clamp loader complex
42	d1r6bx2	Alignment	not modelled	95.2	24	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Extended AAA-ATPase domain
43	d1ki9a	Alignment	not modelled	95.2	27	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
44	c3bosA	Alignment	not modelled	95.1	13	PDB header: hydrolase regulator,dna binding protein Chain: A: PDB Molecule: putative dna replication factor; PDBTitle: crystal structure of a putative dna replication regulator hda2 (sama_1916) from shewanella amazonensis sb2b at 1.75 a resolution
45	d1ye8a1	Alignment	not modelled	94.9	45	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: RecA protein-like (ATPase-domain)
46	c3uieB	Alignment	not modelled	94.8	19	PDB header: transferase/transferase inhibitor Chain: B: PDB Molecule: adenylyl-sulfate kinase 1, chloroplastic; PDBTitle: crystal structure of adenosine 5'-phosphosulfate kinase from2 arabidopsis thaliana in complex with amppnp and aps
47	d1sxd2	Alignment	not modelled	94.8	21	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Extended AAA-ATPase domain
48	d1l8qa2	Alignment	not modelled	94.7	18	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Extended AAA-ATPase domain
49	c1iqpF	Alignment	not modelled	94.7	16	PDB header: replication Chain: F: PDB Molecule: rfcs; PDBTitle: crystal structure of the clamp loader small subunit from2 pyrococcus furiosus
50	c1sxE	Alignment	not modelled	94.7	12	PDB header: replication Chain: E: PDB Molecule: activator 1 40 kda subunit; PDBTitle: crystal structure of the eukaryotic clamp loader (replication factor2 c, rfc) bound to the dna sliding clamp (proliferating cell nuclear3 antigen, pcna)
51	c2qbyB	Alignment	not modelled	94.6	21	PDB header: replication/dna Chain: B: PDB Molecule: cell division control protein 6 homolog 3; PDBTitle: crystal structure of a heterodimer of cdc6/orc1 initiators2 bound to origin dna (from s. solfataricus)
52	c2yvua	Alignment	not modelled	94.6	30	PDB header: transferase Chain: A: PDB Molecule: probable adenylyl-sulfate kinase; PDBTitle: crystal structure of ape1195
53	d1jbka	Alignment	not modelled	94.6	24	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases

						Family: Extended AAA-ATPase domain PDB header: structural genomics, unknown function Chain: A: PDB Molecule: hypothetical protein pf08_0063; PDBTitle: crystal structure of the first nucleotide binding domain of2 chaperone clpb1, putative, (pv089580) from plasmodium vivax
54	c2p65A_	Alignment	not modelled	94.6	18	PDB header: transferase Chain: B: PDB Molecule: bifunctional sat/aps kinase; PDBTitle: crystal structure of the bi-functional atp sulfurylase-aps kinase from2 aquifex aeolicus, a chemolithotrophic thermophile
55	c2gksB_	Alignment	not modelled	94.5	24	PDB header: recombination Chain: A: PDB Molecule: replication-associated recombination protein a; PDBTitle: structure and biochemical activities of escherichia coli mgsa
56	c3pvsA_	Alignment	not modelled	94.5	26	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Extended AAA-ATPase domain
57	d1lofha_	Alignment	not modelled	94.5	21	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Extended AAA-ATPase domain
58	d1a5ta2	Alignment	not modelled	94.5	14	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Extended AAA-ATPase domain
59	c4dwjB_	Alignment	not modelled	94.5	20	PDB header: transferase Chain: B: PDB Molecule: thymidylate kinase; PDBTitle: crystal structure of thymidylate kinase from staphylococcus aureus in2 complex with thymidine monophosphate
60	c3u5zM_	Alignment	not modelled	94.4	20	PDB header: dna binding protein/dna Chain: M: PDB Molecule: dna polymerase accessory protein 44; PDBTitle: structure of t4 bacteriophage clamp loader bound to the t4 clamp,2 primer-template dna, and atp analog
61	c2jatA_	Alignment	not modelled	94.4	32	PDB header: transferase Chain: A: PDB Molecule: deoxyguanosine kinase; PDBTitle: structure of deoxyadenosine kinase from m.mycoides with2 products dcmp and a flexible dcdp bound
62	c2z0hA_	Alignment	not modelled	94.3	27	PDB header: transferase Chain: A: PDB Molecule: thymidylate kinase; PDBTitle: crystal structure of thymidylate kinase in complex with dtdp2 and adp from thermotoga maritima
63	d1ls1a2	Alignment	not modelled	94.3	21	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nitrogenase iron protein-like
64	d1m7gb_	Alignment	not modelled	94.3	19	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Adenosine-5'phosphosulfate kinase (APS kinase)
65	d1khta_	Alignment	not modelled	94.2	28	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
66	c3te6A_	Alignment	not modelled	94.2	12	PDB header: gene regulation Chain: A: PDB Molecule: regulatory protein sir3; PDBTitle: crystal structure of the s. cerevisiae sir3 aaa+ domain
67	d2bdta1	Alignment	not modelled	94.2	36	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Atu3015-like
68	d1in4a2	Alignment	not modelled	94.2	20	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Extended AAA-ATPase domain
69	d1lv7a_	Alignment	not modelled	94.2	23	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Extended AAA-ATPase domain
70	c1sxiA_	Alignment	not modelled	94.1	25	PDB header: replication Chain: A: PDB Molecule: activator 1 95 kda subunit; PDBTitle: crystal structure of the eukaryotic clamp loader (replication factor2 c, rfc) bound to the dna sliding clamp (proliferating cell nuclear3 antigen, pcna)
71	d2i3ba1	Alignment	not modelled	94.0	24	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: RecA protein-like (ATPase-domain)
72	c2w0sB_	Alignment	not modelled	94.0	32	PDB header: transferase Chain: B: PDB Molecule: thymidylate kinase; PDBTitle: crystal structure of vaccinia virus thymidylate kinase2 bound to brivudin-5'-monophosphate
73	d1fnna2	Alignment	not modelled	94.0	16	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Extended AAA-ATPase domain
74	d1rz3a_	Alignment	not modelled	93.9	21	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Phosphoribulokinase/pantothenate kinase
75	c2hcbC_	Alignment	not modelled	93.9	18	PDB header: replication Chain: C: PDB Molecule: chromosomal replication initiator protein dnaa; PDBTitle: structure of amppcp-bound dnaa from aquifex aeolicus
76	c2plrB_	Alignment	not modelled	93.8	27	PDB header: transferase Chain: B: PDB Molecule: probable thymidylate kinase; PDBTitle: crystal structure of dtmp kinase (st1543) from sulfolobus tokodaii2 strain7
77	c2v1uA_	Alignment	not modelled	93.8	17	PDB header: replication Chain: A: PDB Molecule: cell division control protein 6 homolog; PDBTitle: structure of the aeropyrum pernix orc1 protein in complex2 with dna
78	d1qhxa_	Alignment	not modelled	93.8	24	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Chloramphenicol phosphotransferase

79	c3c8uA	 Alignment	not modelled	93.8	20	PDB header: transferase Chain: A: PDB Molecule: fructokinase; PDBTitle: crystal structure of putative fructose transport system kinase2 (yp_612366.1) from silicibacter sp. tm1040 at 1.95 a resolution
80	d1rkba	 Alignment	not modelled	93.8	27	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
81	c3hdtB	 Alignment	not modelled	93.7	26	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: putative kinase; PDBTitle: crystal structure of putative kinase from clostridium symbiosum atcc2 14940
82	d1e6ca	 Alignment	not modelled	93.7	15	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Shikimate kinase (AroK)
83	c2grjH	 Alignment	not modelled	93.7	18	PDB header: transferase Chain: H: PDB Molecule: dephospho-coa kinase; PDBTitle: crystal structure of dephospho-coa kinase (ec 2.7.1.24)2 (dephosphocoenzyme a kinase) (tm1387) from thermotoga maritima at3 2.60 a resolution
84	d1odfa	 Alignment	not modelled	93.7	12	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Phosphoribulokinase/pantothenate kinase
85	c2bwjC	 Alignment	not modelled	93.6	16	PDB header: transferase Chain: C: PDB Molecule: adenylate kinase 5; PDBTitle: structure of adenylate kinase 5
86	c1ueiB	 Alignment	not modelled	93.6	27	PDB header: transferase Chain: B: PDB Molecule: uridine-cytidine kinase 2; PDBTitle: crystal structure of human uridine-cytidine kinase 22 complexed with a feedback-inhibitor, utp
87	c3tqcB	 Alignment	not modelled	93.6	13	PDB header: transferase Chain: B: PDB Molecule: pantothenate kinase; PDBTitle: structure of the pantothenate kinase (coaA) from coxiella burnetii
88	d1nksa	 Alignment	not modelled	93.5	23	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
89	c2bl0A	 Alignment	not modelled	93.5	23	PDB header: muscle protein Chain: A: PDB Molecule: major plasmodial myosin heavy chain; PDBTitle: physarum polycephalum myosin ii regulatory domain
90	d1sxje2	 Alignment	not modelled	93.5	13	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Extended AAA-ATPase domain
91	c1v8jA	 Alignment	not modelled	93.5	17	PDB header: structural protein Chain: A: PDB Molecule: kinesin-like protein kif2c; PDBTitle: the crystal structure of the minimal functional domain of2 the microtubule destabilizer kif2c complexed with mg-adt
92	c3vaaC	 Alignment	not modelled	93.4	32	PDB header: transferase Chain: C: PDB Molecule: shikimate kinase; PDBTitle: 1.7 angstrom resolution crystal structure of shikimate kinase from2 bacteroides thetaiotaomicron
93	c3ch4B	 Alignment	not modelled	93.4	18	PDB header: transferase Chain: B: PDB Molecule: phosphomevalonate kinase; PDBTitle: the crystal structure of human phosphomavalonate kinase at2 1.8 a resolution
94	c2ccjA	 Alignment	not modelled	93.4	23	PDB header: transferase Chain: A: PDB Molecule: thymidylate kinase; PDBTitle: crystal structure of s. aureus thymidylate kinase complexed2 with thymidine monophosphate
95	d1g41a	 Alignment	not modelled	93.4	19	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Extended AAA-ATPase domain
96	c2w58B	 Alignment	not modelled	93.4	21	PDB header: hydrolase Chain: B: PDB Molecule: primosome component (helicase loader); PDBTitle: crystal structure of the dnaI
97	d1w5sa2	 Alignment	not modelled	93.4	28	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Extended AAA-ATPase domain
98	d1kaga	 Alignment	not modelled	93.4	27	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Shikimate kinase (AroK)
99	d1knqa	 Alignment	not modelled	93.3	21	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Gluconate kinase
100	c3ec2A	 Alignment	not modelled	93.3	21	PDB header: replication Chain: A: PDB Molecule: dna replication protein dnaC; PDBTitle: crystal structure of the dnaC helicase loader
101	c3t61A	 Alignment	not modelled	93.3	21	PDB header: transferase Chain: A: PDB Molecule: gluconokinase; PDBTitle: crystal structure of a gluconokinase from sinorhizobium meliloti 1021
102	d1sq5a	 Alignment	not modelled	93.2	14	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Phosphoribulokinase/pantothenate kinase
103	c1fnnB	 Alignment	not modelled	93.2	18	PDB header: cell cycle Chain: B: PDB Molecule: cell division control protein 6; PDBTitle: crystal structure of cdc6p from pyrobaculum aerophilum
104	d1evia2	 Alignment	not modelled	93.2	21	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate

104	d13xja_	Alignment	not modelled	93.2	41	hydrolases PDB header: Extended AAA-ATPase domain PDB header: transferase
105	c2vliB_	Alignment	not modelled	93.2	27	Chain: B: PDB Molecule: antibiotic resistance protein; PDBTitle: structure of deinococcus radiodurans tunicamycin resistance2 protein
106	d1g6oa_	Alignment	not modelled	93.1	35	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: RecA protein-like (ATPase-domain)
107	c3akcA_	Alignment	not modelled	93.1	36	PDB header: transferase Chain: A: PDB Molecule: cytidylate kinase; PDBTitle: crystal structure of cmp kinase in complex with cdp and adp from2 thermus thermophilus hb8
108	d3adka_	Alignment	not modelled	93.1	22	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
109	c1nsfA_	Alignment	not modelled	93.1	23	PDB header: protein transport Chain: A: PDB Molecule: n-ethylmaleimide sensitive factor; PDBTitle: d2 hexamerization domain of n-ethylmaleimide sensitive factor (nsf)
110	c2j41A_	Alignment	not modelled	93.1	33	PDB header: transferase Chain: A: PDB Molecule: guanylate kinase; PDBTitle: crystal structure of staphylococcus aureus guanylate2 monophosphate kinase
111	c2ql6H_	Alignment	not modelled	93.1	36	PDB header: signaling protein,transferase Chain: H: PDB Molecule: nicotinamide riboside kinase 1; PDBTitle: human nicotinamide riboside kinase (nrk1)
112	c3fdiA_	Alignment	not modelled	93.1	27	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of uncharacterized protein from eubacterium2 ventriosum atcc 27560.
113	d1m8pa3	Alignment	not modelled	93.0	14	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: ATP sulfurylase C-terminal domain
114	c2owmC_	Alignment	not modelled	93.0	20	PDB header: motor protein Chain: C: PDB Molecule: related to kinesin-like protein kif1c; PDBTitle: motor domain of neurospora crassa kinesin-3 (nckin3)
115	d2cdna1	Alignment	not modelled	93.0	32	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
116	c1scmA_	Alignment	not modelled	93.0	24	PDB header: calcium-binding protein Chain: A: PDB Molecule: myosin heavy chain; PDBTitle: structure of the regulatory domain of scallop myosin at 2.82 angstroms resolution
117	d1tmka_	Alignment	not modelled	92.9	19	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
118	c1in8A_	Alignment	not modelled	92.9	20	PDB header: dna binding protein Chain: A: PDB Molecule: holliday junction dna helicase ruvb; PDBTitle: thermotoga maritima ruvb t158v
119	c1w5sB_	Alignment	not modelled	92.9	26	PDB header: replication Chain: B: PDB Molecule: origin recognition complex subunit 2 orc2; PDBTitle: structure of the aeropyrum pernix orc2 protein (adp form)
120	c1m8pB_	Alignment	not modelled	92.9	16	PDB header: transferase Chain: B: PDB Molecule: sulfate adenyllyltransferase; PDBTitle: crystal structure of p. chrysogenum atp sulfurylase in the t-state