



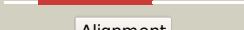

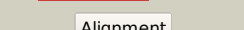

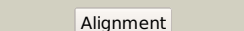







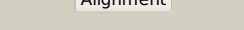











# Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD1421_(-)_1595985_1596890
Date	Wed Jul 31 22:05:53 BST 2019
Unique Job ID	29444d3fc1aa746a

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	<a href="#">c5o5oD_</a>	 Alignment		100.0	40	<b>PDB header:</b> chaperone <b>Chain:</b> D; <b>PDB Molecule:</b> rnase adapter protein rapz; <b>PDBTitle:</b> x-ray crystal structure of rapz from escherichia coli (p32 space2 group)
2	<a href="#">c4y0aA_</a>	 Alignment		99.7	18	<b>PDB header:</b> transferase/transferase inhibitor <b>Chain:</b> A; <b>PDB Molecule:</b> shikimate kinase; <b>PDBTitle:</b> shikimate kinase from acinetobacter baumannii in complex with2 shikimate
3	<a href="#">c1m8pB_</a>	 Alignment		99.7	14	<b>PDB header:</b> transferase <b>Chain:</b> B; <b>PDB Molecule:</b> sulfate adenyltransferase; <b>PDBTitle:</b> crystal structure of p. chrysogenum atp sulfurylase in the t-state
4	<a href="#">c3vaaC_</a>	 Alignment		99.7	18	<b>PDB header:</b> transferase <b>Chain:</b> C; <b>PDB Molecule:</b> shikimate kinase; <b>PDBTitle:</b> 1.7 angstrom resolution crystal structure of shikimate kinase from2 bacteroides thetaiotaomicron
5	<a href="#">d2iyva1</a>	 Alignment		99.7	24	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Shikimate kinase (AroK)
6	<a href="#">c3hdtB_</a>	 Alignment		99.6	14	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> B; <b>PDB Molecule:</b> putative kinase; <b>PDBTitle:</b> crystal structure of putative kinase from clostridium symbiosum atcc2 14940
7	<a href="#">d1e6ca_</a>	 Alignment		99.6	21	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Shikimate kinase (AroK)
8	<a href="#">c3trfB_</a>	 Alignment		99.6	20	<b>PDB header:</b> transferase <b>Chain:</b> B; <b>PDB Molecule:</b> shikimate kinase; <b>PDBTitle:</b> structure of a shikimate kinase (arok) from coxiella burnetii
9	<a href="#">c2vliB_</a>	 Alignment		99.6	15	<b>PDB header:</b> transferase <b>Chain:</b> B; <b>PDB Molecule:</b> antibiotic resistance protein; <b>PDBTitle:</b> structure of deinococcus radiodurans tunicamycin resistance protein
10	<a href="#">d1m7gb_</a>	 Alignment		99.6	16	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Adenosine-5'phosphosulfate kinase (APS kinase)
11	<a href="#">d1viaa_</a>	 Alignment		99.6	15	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Shikimate kinase (AroK)

12	<a href="#">c2pt5D_</a>	Alignment		99.6	14	<b>PDB header:</b> transferase <b>Chain:</b> D: <b>PDB Molecule:</b> shikimate kinase; <b>PDBTitle:</b> crystal structure of shikimate kinase (aq_2177) from aquifex aeolicus2 vf5
13	<a href="#">c1zuiA_</a>	Alignment		99.6	18	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> shikimate kinase; <b>PDBTitle:</b> structural basis for shikimate-binding specificity of helicobacter2 pylori shikimate kinase
14	<a href="#">d1m8pa3</a>	Alignment		99.6	14	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> ATP sulfurylase C-terminal domain
15	<a href="#">c3fdiA_</a>	Alignment		99.6	14	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> uncharacterized protein; <b>PDBTitle:</b> crystal structure of uncharacterized protein from eubacterium2 ventriosum atcc 27560.
16	<a href="#">c4cw7A_</a>	Alignment		99.5	18	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> putative adenylate kinase; <b>PDBTitle:</b> structure of the fap7-rps14 complex in complex with atp
17	<a href="#">c2gksB_</a>	Alignment		99.5	16	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> bifunctional sat/aps kinase; <b>PDBTitle:</b> crystal structure of the bi-functional atp sulfurylase-aps kinase from2 aquifex aeolicus, a chemolithotrophic thermophile
18	<a href="#">c2yvua_</a>	Alignment		99.5	20	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> probable adenyllyl-sulfate kinase; <b>PDBTitle:</b> crystal structure of ape1195
19	<a href="#">c3akcA_</a>	Alignment		99.5	17	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> cytidylate kinase; <b>PDBTitle:</b> crystal structure of cmp kinase in complex with cdp and adp from2 thermus thermophilus hb8
20	<a href="#">c3nwb_</a>	Alignment		99.5	13	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> atsk2; <b>PDBTitle:</b> crystal structure of shikimate kinase from arabidopsis thaliana2 (atsk2)
21	<a href="#">c2if2C_</a>	Alignment	not modelled	99.5	20	<b>PDB header:</b> transferase <b>Chain:</b> C: <b>PDB Molecule:</b> dephospho-coa kinase; <b>PDBTitle:</b> crystal structure of the putative dephospho-coa kinase from aquifex2 aeolicus, northeast structural genomics target qr72.
22	<a href="#">d1kaga_</a>	Alignment	not modelled	99.5	21	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Shikimate kinase (AroK)
23	<a href="#">c1xnb_</a>	Alignment	not modelled	99.5	22	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> bifunctional 3'-phosphoadenosine 5'-phosphosulfate <b>PDBTitle:</b> aps complex of human paps synthetase 1
24	<a href="#">d1m7ga_</a>	Alignment	not modelled	99.5	19	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Adenosine-5'-phosphosulfate kinase (APS kinase)
25	<a href="#">c3h0kA_</a>	Alignment	not modelled	99.4	19	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> upf0200 protein sso1041; <b>PDBTitle:</b> crystal structure of an adenylated kinase related protein from2 sulfobolus solfataricus to 3.25a
26	<a href="#">d1qhxa_</a>	Alignment	not modelled	99.4	14	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Chloramphenicol phosphotransferase
27	<a href="#">c5cb6A_</a>	Alignment	not modelled	99.4	19	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> probable adenyllyl-sulfate kinase; <b>PDBTitle:</b> structure of adenosine-5'-phosphosulfate kinase
28	<a href="#">d1q3ta_</a>	Alignment	not modelled	99.4	20	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Nucleotide and nucleoside kinases
						<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases

29	<a href="#">d1zp6a1</a>	Alignment	not modelled	99.4	15	<b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Atu3015-like
30	<a href="#">d1ckea</a>	Alignment	not modelled	99.4	20	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Nucleotide and nucleoside kinases
31	<a href="#">d1y63a</a>	Alignment	not modelled	99.4	20	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Nucleotide and nucleoside kinases
32	<a href="#">d1jva</a>	Alignment	not modelled	99.4	20	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Nucleotide and nucleoside kinases
33	<a href="#">c4ilvB</a>	Alignment	not modelled	99.4	25	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> dephospho-coa kinase; <b>PDBTitle:</b> crystal structure of a dephospho-coa kinase from burkholderia2 vietnamiensis bound to adp
34	<a href="#">c3uieB</a>	Alignment	not modelled	99.4	19	<b>PDB header:</b> transferase/transferase inhibitor <b>Chain:</b> B: <b>PDB Molecule:</b> adenylyl-sulfate kinase 1, chloroplastic; <b>PDBTitle:</b> crystal structure of adenosine 5'-phosphosulfate kinase from2 arabidopsis thaliana in complex with amppnp and aps
35	<a href="#">c4eunA</a>	Alignment	not modelled	99.4	14	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> thermoreistant glucokinase; <b>PDBTitle:</b> crystal structure of a sugar kinase (target efi-502144 from janibacter2 sp. htcc2649), unliganded structure
36	<a href="#">c4bzbB</a>	Alignment	not modelled	99.4	20	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> bifunctional enzyme cysn/cysc; <b>PDBTitle:</b> structure of the mycobacterium tuberculosis aps kinase cysc2 in complex with adp
37	<a href="#">d1knqa</a>	Alignment	not modelled	99.3	15	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Gluconate kinase
38	<a href="#">c6n39A</a>	Alignment	not modelled	99.3	20	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> dephospho-coa kinase; <b>PDBTitle:</b> crystal structure of a dephospho-coa kinase coae from mycobacterium2 paratuberculosis
39	<a href="#">d1x6va3</a>	Alignment	not modelled	99.3	24	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Adenosine-5'phosphosulfate kinase (APS kinase)
40	<a href="#">c3t61A</a>	Alignment	not modelled	99.3	13	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> gluconokinase; <b>PDBTitle:</b> crystal structure of a gluconokinase from sinorhizobium meliloti 1021
41	<a href="#">d2bdta1</a>	Alignment	not modelled	99.3	14	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Atu3015-like
42	<a href="#">d2cdna1</a>	Alignment	not modelled	99.3	17	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Nucleotide and nucleoside kinases
43	<a href="#">c2rhmD</a>	Alignment	not modelled	99.3	17	<b>PDB header:</b> unknown function <b>Chain:</b> D: <b>PDB Molecule:</b> putative kinase; <b>PDBTitle:</b> crystal structure of a putative kinase (caur_3907) from chloroflexus2 aurantiacus j-10-fl at 1.70 a resolution
44	<a href="#">c2h92C</a>	Alignment	not modelled	99.3	19	<b>PDB header:</b> transferase <b>Chain:</b> C: <b>PDB Molecule:</b> cytidylate kinase; <b>PDBTitle:</b> crystal structure of staphylococcus aureus cytidine2 monophosphate kinase in complex with cytidine-5'-3 monophosphate
45	<a href="#">c2f6rA</a>	Alignment	not modelled	99.3	16	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> bifunctional coenzyme a synthase; <b>PDBTitle:</b> crystal structure of bifunctional coenzyme a synthase (coa synthase):2 (18044849) from mus musculus at 1.70 a resolution
46	<a href="#">c3umfA</a>	Alignment	not modelled	99.3	16	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> adenylate kinase; <b>PDBTitle:</b> schistosoma mansoni adenylylase kinase
47	<a href="#">c4zo4A</a>	Alignment	not modelled	99.2	16	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> dephospho-coa kinase; <b>PDBTitle:</b> dephospho-coa kinase from campylobacter jejuni.
48	<a href="#">d1ukza</a>	Alignment	not modelled	99.2	15	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Nucleotide and nucleoside kinases
49	<a href="#">c2xb4A</a>	Alignment	not modelled	99.2	17	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> adenylate kinase; <b>PDBTitle:</b> crystal structures of zinc containing adenylylase kinase from2 desulfovibrio gigas
50	<a href="#">d1s3ga1</a>	Alignment	not modelled	99.2	15	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Nucleotide and nucleoside kinases
51	<a href="#">d1zaka1</a>	Alignment	not modelled	99.2	14	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Nucleotide and nucleoside kinases
52	<a href="#">d1e4va1</a>	Alignment	not modelled	99.2	19	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Nucleotide and nucleoside kinases
53	<a href="#">d1vhata</a>	Alignment	not modelled	99.2	22	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Nucleotide and nucleoside kinases
54	<a href="#">c3cr8C</a>	Alignment	not modelled	99.2	26	<b>PDB header:</b> transferase <b>Chain:</b> C: <b>PDB Molecule:</b> sulfate adenylyltransferase, adenylylsulfate kinase; <b>PDBTitle:</b> hexameric aps kinase from thiobacillus denitrificans
55	<a href="#">c3r8cB</a>	Alignment	not modelled	99.2	23	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> cytidylate kinase; <b>PDBTitle:</b> crystal structure of cytidylate kinase (cmk) from mycobacterium2 abscessus

56	<a href="#">d1rkba_</a>	Alignment	not modelled	99.2	19	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Nucleotide and nucleoside kinases
57	<a href="#">c2bwjC_</a>	Alignment	not modelled	99.2	18	<b>PDB header:</b> transferase <b>Chain:</b> C: <b>PDB Molecule:</b> adenylate kinase 5; <b>PDBTitle:</b> structure of adenylyate kinase 5
58	<a href="#">d1p3ja1</a>	Alignment	not modelled	99.2	15	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Nucleotide and nucleoside kinases
59	<a href="#">c2ar7A_</a>	Alignment	not modelled	99.2	15	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> adenylate kinase 4; <b>PDBTitle:</b> crystal structure of human adenylyate kinase 4, ak4
60	<a href="#">d1ak2a1</a>	Alignment	not modelled	99.1	16	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Nucleotide and nucleoside kinases
61	<a href="#">d1akya1</a>	Alignment	not modelled	99.1	19	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Nucleotide and nucleoside kinases
62	<a href="#">c1xjqA_</a>	Alignment	not modelled	99.1	26	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> bifunctional 3'-phosphoadenosine 5'-phosphosulfate <b>PDBTitle:</b> adp complex of human paps synthetase 1
63	<a href="#">d1khta_</a>	Alignment	not modelled	99.1	18	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Nucleotide and nucleoside kinases
64	<a href="#">c3cm0A_</a>	Alignment	not modelled	99.1	22	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> adenylate kinase; <b>PDBTitle:</b> crystal structure of adenylyate kinase from thermus2 thermophilus hb8
65	<a href="#">d2ak3a1</a>	Alignment	not modelled	99.1	12	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Nucleotide and nucleoside kinases
66	<a href="#">d1uf9a_</a>	Alignment	not modelled	99.1	15	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Nucleotide and nucleoside kinases
67	<a href="#">c4gp6A_</a>	Alignment	not modelled	99.1	12	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> metallophosphoesterase; <b>PDBTitle:</b> polynucleotide kinase
68	<a href="#">d1nksa_</a>	Alignment	not modelled	99.1	15	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Nucleotide and nucleoside kinases
69	<a href="#">d3adka_</a>	Alignment	not modelled	99.1	15	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Nucleotide and nucleoside kinases
70	<a href="#">c2ak3B_</a>	Alignment	not modelled	99.1	14	<b>PDB header:</b> transferase (phosphotransferase) <b>Chain:</b> B: <b>PDB Molecule:</b> adenylate kinase isoenzyme-3; <b>PDBTitle:</b> the three-dimensional structure of the complex between2 mitochondrial matrix adenylyate kinase and its substrate3 amp at 1.85 angstroms resolution
71	<a href="#">c2z0hA_</a>	Alignment	not modelled	99.1	15	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> thymidylate kinase; <b>PDBTitle:</b> crystal structure of thymidylate kinase in complex with dtdp2 and adp from thermotoga maritima
72	<a href="#">c4ttrA_</a>	Alignment	not modelled	99.1	15	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> dephospho-coa kinase; <b>PDBTitle:</b> crystal structure of legionella pneumophila dephospho-coa kinase in2 complex with bu2
73	<a href="#">c2plrB_</a>	Alignment	not modelled	99.1	16	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> probable thymidylate kinase; <b>PDBTitle:</b> crystal structure of dtmp kinase (st1543) from sulfobolus tokodaii2 strain7
74	<a href="#">c3tlxA_</a>	Alignment	not modelled	99.1	19	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> adenylate kinase 2; <b>PDBTitle:</b> crystal structure of pf10_0086, adenylyate kinase from plasmodium2 falciparum
75	<a href="#">c6qp0A_</a>	Alignment	not modelled	99.1	16	<b>PDB header:</b> rna binding protein <b>Chain:</b> A: <b>PDB Molecule:</b> putative chromatin binding protein; <b>PDBTitle:</b> crystal structure of chaetomium thermophilum kti12 in complex with2 adp-alf3
76	<a href="#">d1zina1</a>	Alignment	not modelled	99.0	16	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Nucleotide and nucleoside kinases
77	<a href="#">c6b8vA_</a>	Alignment	not modelled	99.0	22	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> adenylylsulfate kinase; <b>PDBTitle:</b> crystal structure of adenylyl-sulfate kinase from cryptococcus2 neoformans
78	<a href="#">d1qf9a_</a>	Alignment	not modelled	99.0	18	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Nucleotide and nucleoside kinases
79	<a href="#">c2ccjA_</a>	Alignment	not modelled	99.0	6	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> thymidylate kinase; <b>PDBTitle:</b> crystal structure of s. aureus thymidylate kinase complexed2 with thymidine monophosphate
80	<a href="#">d1teva_</a>	Alignment	not modelled	99.0	16	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Nucleotide and nucleoside kinases
81	<a href="#">d1yj5a2</a>	Alignment	not modelled	99.0	17	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Nucleotide and nucleoside kinases
82	<a href="#">c5g3yA_</a>	Alignment	not modelled	99.0	21	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> adenylate kinase; <b>PDBTitle:</b> crystal structure of adenylyate kinase ancestor 1 with zn

						and adp bound
83	<a href="#">c2pbrB_</a>	Alignment	not modelled	99.0	15	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> thymidylate kinase; <b>PDBTitle:</b> crystal structure of thymidylate kinase (aq_969) from aquifex aeolicus2 vf5
84	<a href="#">c4dwjB_</a>	Alignment	not modelled	99.0	11	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> thymidylate kinase; <b>PDBTitle:</b> crystal structure of thymidylate kinase from staphylococcus aureus in2 complex with thymidine monophosphate
85	<a href="#">c2eu8B_</a>	Alignment	not modelled	99.0	20	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> adenylate kinase; <b>PDBTitle:</b> crystal structure of a thermostable mutant of bacillus2 subtilis adenylate kinase (q199r)
86	<a href="#">c5x7jA_</a>	Alignment	not modelled	99.0	16	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> thymidylate kinase; <b>PDBTitle:</b> crystal structure of thymidylate kinase from thermus thermophilus hb8
87	<a href="#">c2grjH_</a>	Alignment	not modelled	99.0	17	<b>PDB header:</b> transferase <b>Chain:</b> H: <b>PDB Molecule:</b> dephospho-coa kinase; <b>PDBTitle:</b> crystal structure of dephospho-coa kinase (ec 2.7.1.24)2 (dephosphocoenzyme a kinase) (tm1387) from thermotoga maritima at3 2.60 a resolution
88	<a href="#">c3akyA_</a>	Alignment	not modelled	99.0	17	<b>PDB header:</b> adenylate kinase <b>Chain:</b> A: <b>PDB Molecule:</b> adenylate kinase; <b>PDBTitle:</b> stability, activity and structure of adenylate kinase2 mutants
89	<a href="#">c2ia5C_</a>	Alignment	not modelled	99.0	15	<b>PDB header:</b> transferase <b>Chain:</b> C: <b>PDB Molecule:</b> polynucleotide kinase; <b>PDBTitle:</b> t4 polynucleotide kinase/phosphatase with bound sulfate and magnesium.
90	<a href="#">c3be4A_</a>	Alignment	not modelled	99.0	15	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> adenylate kinase; <b>PDBTitle:</b> crystal structure of cryptosporidium parvum adenylate kinase cgd5_3360
91	<a href="#">c2ql6H_</a>	Alignment	not modelled	98.9	19	<b>PDB header:</b> signaling protein,transferase <b>Chain:</b> H: <b>PDB Molecule:</b> nicotinamide riboside kinase 1; <b>PDBTitle:</b> human nicotinamide riboside kinase (nrk1)
92	<a href="#">c3asyB_</a>	Alignment	not modelled	98.9	25	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> uridine kinase; <b>PDBTitle:</b> ligand-free structure of uridine kinase from thermus thermophilus hb8
93	<a href="#">d1bifa1</a>	Alignment	not modelled	98.9	15	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase, kinase domain
94	<a href="#">d4tmka_</a>	Alignment	not modelled	98.9	19	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Nucleotide and nucleoside kinases
95	<a href="#">c1znyA_</a>	Alignment	not modelled	98.9	16	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> guanylate kinase; <b>PDBTitle:</b> crystal structure of mycobacterium tuberculosis guanylate kinase in2 complex with gdp
96	<a href="#">d1ki9a_</a>	Alignment	not modelled	98.9	18	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Nucleotide and nucleoside kinases
97	<a href="#">c5uivA_</a>	Alignment	not modelled	98.9	13	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> bifunctional thymidylate/uridylate kinase; <b>PDBTitle:</b> structure of thymidylate kinase from candida albicans reveals origin2 of broad substrate specificity and a novel structural element.
98	<a href="#">d1tmka_</a>	Alignment	not modelled	98.9	16	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Nucleotide and nucleoside kinases
99	<a href="#">c3tr0A_</a>	Alignment	not modelled	98.9	14	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> guanylate kinase; <b>PDBTitle:</b> structure of guanylate kinase (gmk) from coxiella burnetii
100	<a href="#">c1s3gA_</a>	Alignment	not modelled	98.9	19	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> adenylate kinase; <b>PDBTitle:</b> crystal structure of adenylate kinase from bacillus2 globisporus
101	<a href="#">d1k6ma1</a>	Alignment	not modelled	98.8	9	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase, kinase domain
102	<a href="#">d1uj2a_</a>	Alignment	not modelled	98.8	21	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Phosphoribulokinase/pantothenate kinase
103	<a href="#">c2rh5B_</a>	Alignment	not modelled	98.8	21	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> adenylate kinase; <b>PDBTitle:</b> structure of apo adenylate kinase from aquifex aeolicus
104	<a href="#">c2jatA_</a>	Alignment	not modelled	98.8	13	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> deoxyguanosine kinase; <b>PDBTitle:</b> structure of deoxyadenosine kinase from m.mycoides with2 products dcmp and a flexible dcdp bound
105	<a href="#">c1ly1A_</a>	Alignment	not modelled	98.8	16	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> polynucleotide kinase; <b>PDBTitle:</b> structure and mechanism of t4 polynucleotide kinase
106	<a href="#">d1ly1a_</a>	Alignment	not modelled	98.8	16	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Nucleotide and nucleoside kinases
107	<a href="#">c4nu0B_</a>	Alignment	not modelled	98.8	20	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> adenylate kinase; <b>PDBTitle:</b> crystal structure of adenylate kinase from streptococcus pneumoniae2 with ap5a <b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> thymidylate kinase;

108	<a href="#">c3lv8A_</a>	Alignment	not modelled	98.8	16	<b>PDBTitle:</b> 1.8 angstrom resolution crystal structure of a thymidylate kinase2 (tmk) from vibrio cholerae o1 biovar eltor str. n16961 in complex3 with tmp, thymidine-5'-diphosphate and adp
109	<a href="#">d1gkya_</a>	Alignment	not modelled	98.8	17	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Nucleotide and nucleoside kinases
110	<a href="#">c1ankA_</a>	Alignment	not modelled	98.8	23	<b>PDB header:</b> transferase(phosphotransferase) <b>Chain:</b> A: <b>PDB Molecule:</b> adenylate kinase; <b>PDBTitle:</b> the closed conformation of a highly flexible protein: the structure of2 e. coli adenylate kinase with bound amp and amppnp
111	<a href="#">c1zakB_</a>	Alignment	not modelled	98.8	14	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> adenylate kinase; <b>PDBTitle:</b> adenylate kinase from maize in complex with the inhibitor2 p1,p5-bis(adenosine-5'-)pentaphosphate (ap5a)
112	<a href="#">c4pzlC_</a>	Alignment	not modelled	98.8	20	<b>PDB header:</b> transferase <b>Chain:</b> C: <b>PDB Molecule:</b> adenylate kinase; <b>PDBTitle:</b> the crystal structure of adenylate kinase from francisella tularensis2 subsp. tularensis schu s4
113	<a href="#">d1g8fa3</a>	Alignment	not modelled	98.8	11	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> ATP sulfurylase C-terminal domain
114	<a href="#">c2i1vB_</a>	Alignment	not modelled	98.8	14	<b>PDB header:</b> transferase, hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> 6-phosphofructo-2-kinase/fructose-2,6- <b>PDBTitle:</b> crystal structure of pfkfb3 in complex with adp and2 fructose-2,6-bisphosphate
115	<a href="#">c2qorA_</a>	Alignment	not modelled	98.7	20	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> guanylate kinase; <b>PDBTitle:</b> crystal structure of plasmodium vivax guanylate kinase
116	<a href="#">c1k6mA_</a>	Alignment	not modelled	98.7	9	<b>PDB header:</b> transferase, hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> 6-phosphofructo-2-kinase/fructose-2,6- biphosphatase 2- <b>PDBTitle:</b> crystal structure of human liver 6-phosphofructo-2- kinase/fructose-2,2 6-bisphosphatase
117	<a href="#">c2ak2A_</a>	Alignment	not modelled	98.7	22	<b>PDB header:</b> phosphotransferase <b>Chain:</b> A: <b>PDB Molecule:</b> adenylate kinase isoenzyme-2; <b>PDBTitle:</b> adenylate kinase isoenzyme-2
118	<a href="#">d1nn5a_</a>	Alignment	not modelled	98.7	16	<b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases <b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases <b>Family:</b> Nucleotide and nucleoside kinases
119	<a href="#">c3ch4B_</a>	Alignment	not modelled	98.7	16	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> phosphomevalonate kinase; <b>PDBTitle:</b> the crystal structure of human phosphomavelonate kinase at2 1.8 a resolution
120	<a href="#">c3zvmA_</a>	Alignment	not modelled	98.7	14	<b>PDB header:</b> hydrolase/transferase/dna <b>Chain:</b> A: <b>PDB Molecule:</b> bifunctional polynucleotide phosphatase/kinase; <b>PDBTitle:</b> the structural basis for substrate recognition by mammalian2 polynucleotide kinase 3' phosphatase