Phyre2

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Description	P0A6I9
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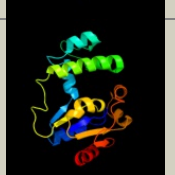
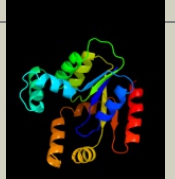
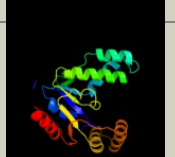
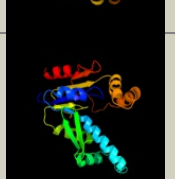
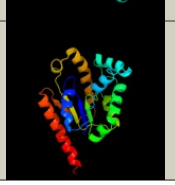
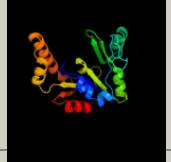
Unique Job ID	5b8c8dd593487207

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	d1vhta_	Alignment		100.0	100	**Fold:**P-loop containing nucleoside triphosphate hydrolases **Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**Nucleotide and nucleoside kinases
2	c2f6rA_	Alignment		100.0	23	**PDB header:**transferase **Chain:** A: **PDB Molecule:**bifunctional coenzyme a synthase; **PDBTitle:** crystal structure of bifunctional coenzyme a synthase (coa synthase):2 (18044849) from mus musculus at 1.70 a resolution
3	d1jjva_	Alignment		100.0	47	**Fold:**P-loop containing nucleoside triphosphate hydrolases **Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**Nucleotide and nucleoside kinases
4	d1uf9a_	Alignment		99.9	27	**Fold:**P-loop containing nucleoside triphosphate hydrolases **Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**Nucleotide and nucleoside kinases
5	c2grjH_	Alignment		99.9	25	**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
6	c2if2C_	Alignment		99.9	29	**PDB header:**transferase **Chain:** C: **PDB Molecule:**dephospho-coa kinase; **PDBTitle:** crystal structure of the putative dephospho-coa kinase from aquifex2 aeolicus, northeast structural genomics target qr72.
7	c3h0kA_	Alignment		99.9	19	**PDB header:**structural genomics, unknown function **Chain:** A: **PDB Molecule:**upf0200 protein sso1041; **PDBTitle:** crystal structure of an adenylated kinase related protein from2 sulfolobus solfataricus to 3.25a
8	d1deka_	Alignment		99.8	14	**Fold:**P-loop containing nucleoside triphosphate hydrolases **Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**Nucleotide and nucleoside kinases
9	d1q3ta_	Alignment		99.7	18	**Fold:**P-loop containing nucleoside triphosphate hydrolases **Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**Nucleotide and nucleoside kinases
10	c3akcA_	Alignment		99.7	19	**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
11	d1zaka1	Alignment		99.7	17	**Fold:**P-loop containing nucleoside triphosphate hydrolases **Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**Nucleotide and nucleoside kinases

12	c2xb4A_	Alignment		99.7	23	**PDB header:**transferase **Chain:** A: **PDB Molecule:**adenylate kinase; **PDBTitle:** crystal structures of zinc containing adenylate kinase from2 desulfovibrio gigas
13	c3tr0A_	Alignment		99.7	15	**PDB header:**transferase **Chain:** A: **PDB Molecule:**guanylate kinase; **PDBTitle:** structure of guanylate kinase (gmk) from coxiella burnetii
14	d2cdna1	Alignment		99.7	21	**Fold:**P-loop containing nucleoside triphosphate hydrolases **Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**Nucleotide and nucleoside kinases
15	d1zina1	Alignment		99.7	15	**Fold:**P-loop containing nucleoside triphosphate hydrolases **Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**Nucleotide and nucleoside kinases
16	c2pbrB_	Alignment		99.7	13	**PDB header:**transferase **Chain:** B: **PDB Molecule:**thymidylate kinase; **PDBTitle:** crystal structure of thymidylate kinase (aq_969) from aquifex aeolicus2 vf5
17	c1s3gA_	Alignment		99.7	16	**PDB header:**transferase **Chain:** A: **PDB Molecule:**adenylate kinase; **PDBTitle:** crystal structure of adenylate kinase from bacillus2 globisporus
18	c1zakB_	Alignment		99.7	17	**PDB header:**transferase **Chain:** B: **PDB Molecule:**adenylate kinase; **PDBTitle:** adenylate kinase from maize in complex with the inhibitor2 p1,p5-bis(adenosine-5'-)pentaphosphate (ap5a)
19	c1znyA_	Alignment		99.7	15	**PDB header:**transferase **Chain:** A: **PDB Molecule:**guanylate kinase; **PDBTitle:** crystal structure of mycobacterium tuberculosis guanylate kinase in2 complex with gdp
20	c2eu8B_	Alignment		99.7	19	**PDB header:**transferase **Chain:** B: **PDB Molecule:**adenylate kinase; **PDBTitle:** crystal structure of a thermostable mutant of bacillus2 subtilis adenylate kinase (q199r)
21	d1znwa1	Alignment	not modelled	99.7	16	**Fold:**P-loop containing nucleoside triphosphate hydrolases **Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**Nucleotide and nucleoside kinases
22	d1s3ga1	Alignment	not modelled	99.7	17	**Fold:**P-loop containing nucleoside triphosphate hydrolases **Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**Nucleotide and nucleoside kinases
23	d1p3ja1	Alignment	not modelled	99.7	17	**Fold:**P-loop containing nucleoside triphosphate hydrolases **Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**Nucleotide and nucleoside kinases
24	c1zuiA_	Alignment	not modelled	99.7	23	**PDB header:**transferase **Chain:** A: **PDB Molecule:**shikimate kinase; **PDBTitle:** structural basis for shikimate-binding specificity of helicobacter2 pylori shikimate kinase
25	d1ak2a1	Alignment	not modelled	99.7	15	**Fold:**P-loop containing nucleoside triphosphate hydrolases **Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**Nucleotide and nucleoside kinases
26	c2h92C_	Alignment	not modelled	99.7	13	**PDB header:**transferase **Chain:** C: **PDB Molecule:**cytidylate kinase; **PDBTitle:** crystal structure of staphylococcus aureus cytidine2 monophosphate kinase in complex with cytidine-5'-3 monophosphate
27	d1ckea_	Alignment	not modelled	99.7	17	**Fold:**P-loop containing nucleoside triphosphate hydrolases **Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**Nucleotide and nucleoside kinases
28	c3cm0A_	Alignment	not modelled	99.6	24	**PDB header:**transferase **Chain:** A: **PDB Molecule:**adenylate kinase; **PDBTitle:** crystal structure of adenylate kinase from thermus2

						thermophilus hb8
29	c2ak2A_	Alignment	not modelled	99.6	20	**PDB header:**phosphotransferase **Chain:** A: **PDB Molecule:**adenylate kinase isoenzyme-2; **PDBTitle:** adenylate kinase isoenzyme-2
30	d1akya1	Alignment	not modelled	99.6	14	**Fold:**P-loop containing nucleoside triphosphate hydrolases **Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**Nucleotide and nucleoside kinases
31	d1e6ca_	Alignment	not modelled	99.6	21	**Fold:**P-loop containing nucleoside triphosphate hydrolases **Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**Shikimate kinase (AroK)
32	c3r8cB_	Alignment	not modelled	99.6	19	**PDB header:**transferase **Chain:** B: **PDB Molecule:**cytidylate kinase; **PDBTitle:** crystal structure of cytidylate kinase (cmk) from mycobacterium2 abscessus
33	d1e4va1	Alignment	not modelled	99.6	15	**Fold:**P-loop containing nucleoside triphosphate hydrolases **Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**Nucleotide and nucleoside kinases
34	d1ukza_	Alignment	not modelled	99.6	15	**Fold:**P-loop containing nucleoside triphosphate hydrolases **Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**Nucleotide and nucleoside kinases
35	c2ak3B_	Alignment	not modelled	99.6	18	**PDB header:**transferase (phosphotransferase) **Chain:** B: **PDB Molecule:**adenylate kinase isoenzyme-3; **PDBTitle:** the three-dimensional structure of the complex between2 mitochondrial matrix adenylate kinase and its substrate3 amp at 1.85 angstroms resolution
36	c3ch4B_	Alignment	not modelled	99.6	14	**PDB header:**transferase **Chain:** B: **PDB Molecule:**phosphomevalonate kinase; **PDBTitle:** the crystal structure of human phosphomavelonate kinase at2 1.8 a resolution
37	c2bwjC_	Alignment	not modelled	99.6	18	**PDB header:**transferase **Chain:** C: **PDB Molecule:**adenylate kinase 5; **PDBTitle:** structure of adenylate kinase 5
38	c1ankA_	Alignment	not modelled	99.6	15	**PDB header:**transferase(phosphotransferase) **Chain:** A: **PDB Molecule:**adenylate kinase; **PDBTitle:** the closed conformation of a highly flexible protein: the2 structure of e. coli adenylate kinase with bound amp and3 amppnp
39	c2ar7A_	Alignment	not modelled	99.6	15	**PDB header:**transferase **Chain:** A: **PDB Molecule:**adenylate kinase 4; **PDBTitle:** crystal structure of human adenylate kinase 4, ak4
40	c2rh5B_	Alignment	not modelled	99.6	18	**PDB header:**transferase **Chain:** B: **PDB Molecule:**adenylate kinase; **PDBTitle:** structure of apo adenylate kinase from aquifex aeolicus
41	d1s96a_	Alignment	not modelled	99.6	13	**Fold:**P-loop containing nucleoside triphosphate hydrolases **Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**Nucleotide and nucleoside kinases
42	d1uj2a_	Alignment	not modelled	99.6	16	**Fold:**P-loop containing nucleoside triphosphate hydrolases **Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**Phosphoribulokinase/pantothenate kinase
43	d3adka_	Alignment	not modelled	99.6	14	**Fold:**P-loop containing nucleoside triphosphate hydrolases **Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**Nucleotide and nucleoside kinases
44	c3akyA_	Alignment	not modelled	99.6	16	**PDB header:**adenylate kinase **Chain:** A: **PDB Molecule:**adenylate kinase; **PDBTitle:** stability, activity and structure of adenylate kinase2 mutants
45	c3tlxA_	Alignment	not modelled	99.6	15	**PDB header:**transferase **Chain:** A: **PDB Molecule:**adenylate kinase 2; **PDBTitle:** crystal structure of pf10_0086, adenylate kinase from plasmodium2 falciparum
46	d1teva_	Alignment	not modelled	99.6	17	**Fold:**P-loop containing nucleoside triphosphate hydrolases **Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**Nucleotide and nucleoside kinases
47	d1qf9a_	Alignment	not modelled	99.6	19	**Fold:**P-loop containing nucleoside triphosphate hydrolases **Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**Nucleotide and nucleoside kinases
48	d1viaa_	Alignment	not modelled	99.6	19	**Fold:**P-loop containing nucleoside triphosphate hydrolases **Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**Shikimate kinase (AroK)
49	c2ccjA_	Alignment	not modelled	99.6	12	**PDB header:**transferase **Chain:** A: **PDB Molecule:**thymidylate kinase; **PDBTitle:** crystal structure of s. aureus thymidylate kinase complexed2 with thymidine monophosphate
50	c1ueiB_	Alignment	not modelled	99.5	16	**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
51	c3asyB_	Alignment	not modelled	99.5	19	**PDB header:**transferase **Chain:** B: **PDB Molecule:**uridine kinase; **PDBTitle:** ligand-free structure of uridine kinase from thermus thermophilus hb8
52	c2pt5D_	Alignment	not modelled	99.5	21	**PDB header:**transferase **Chain:** D: **PDB Molecule:**shikimate kinase; **PDBTitle:** crystal structure of shikimate kinase (aq_2177) from aquifex aeolicus2 vf5
53	d4tmka_	Alignment	not modelled	99.5	18	**Fold:**P-loop containing nucleoside triphosphate hydrolases **Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**Nucleotide and nucleoside kinases
54	c2ql6H_	Alignment	not modelled	99.5	17	**PDB header:**signaling protein,transferase **Chain:** H: **PDB Molecule:**nicotinamide riboside kinase 1;

						PDBTitle: human nicotinamide riboside kinase (nrk1)
55	d1gkya_	Alignment	not modelled	99.5	15	**Fold:**P-loop containing nucleoside triphosphate hydrolases **Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**Nucleotide and nucleoside kinases
56	c3be4A_	Alignment	not modelled	99.5	17	**PDB header:**transferase **Chain:** A: **PDB Molecule:**adenylate kinase; **PDBTitle:** crystal structure of cryptosporidium parvum adenylate kinase cgd5_3360
57	d1knqa_	Alignment	not modelled	99.5	13	**Fold:**P-loop containing nucleoside triphosphate hydrolases **Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**Gluconate kinase
58	c3hdtB_	Alignment	not modelled	99.5	15	**PDB header:**structural genomics, unknown function **Chain:** B: **PDB Molecule:**putative kinase; **PDBTitle:** crystal structure of putative kinase from clostridium symbiosum atcc2 14940
59	d2ak3a1	Alignment	not modelled	99.5	15	**Fold:**P-loop containing nucleoside triphosphate hydrolases **Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**Nucleotide and nucleoside kinases
60	c3fdiA_	Alignment	not modelled	99.5	16	**PDB header:**structural genomics, unknown function **Chain:** A: **PDB Molecule:**uncharacterized protein; **PDBTitle:** crystal structure of uncharacterized protein from eubacterium2 ventriosum atcc 27560.
61	c3t61A_	Alignment	not modelled	99.5	15	**PDB header:**transferase **Chain:** A: **PDB Molecule:**gluconokinase; **PDBTitle:** crystal structure of a gluconokinase from sinorhizobium meliloti 1021
62	c3lv8A_	Alignment	not modelled	99.5	15	**PDB header:**transferase **Chain:** A: **PDB Molecule:**thymidylate kinase; **PDBTitle:** 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
63	d1rkba_	Alignment	not modelled	99.5	17	**Fold:**P-loop containing nucleoside triphosphate hydrolases **Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**Nucleotide and nucleoside kinases
64	c2jatA_	Alignment	not modelled	99.5	15	**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
65	c2yvuA_	Alignment	not modelled	99.4	13	**PDB header:**transferase **Chain:** A: **PDB Molecule:**probable adenylyl-sulfate kinase; **PDBTitle:** crystal structure of ape1195
66	c3gmtB_	Alignment	not modelled	99.4	20	**PDB header:**transferase **Chain:** B: **PDB Molecule:**adenylate kinase; **PDBTitle:** crystal structure of adenylate kinase from burkholderia pseudomallei
67	c2z0hA_	Alignment	not modelled	99.4	17	**PDB header:**transferase **Chain:** A: **PDB Molecule:**thymidylate kinase; **PDBTitle:** crystal structure of thymidylate kinase in complex with dtdp2 and adp from thermotoga maritima
68	d1lvga_	Alignment	not modelled	99.4	17	**Fold:**P-loop containing nucleoside triphosphate hydrolases **Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**Nucleotide and nucleoside kinases
69	d1y63a_	Alignment	not modelled	99.4	19	**Fold:**P-loop containing nucleoside triphosphate hydrolases **Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**Nucleotide and nucleoside kinases
70	c2w0sB_	Alignment	not modelled	99.4	11	**PDB header:**transferase **Chain:** B: **PDB Molecule:**thymidylate kinase; **PDBTitle:** crystal structure of vaccinia virus thymidylate kinase2 bound to brivudin-5'-monophosphate
71	d1kaga_	Alignment	not modelled	99.4	19	**Fold:**P-loop containing nucleoside triphosphate hydrolases **Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**Shikimate kinase (AroK)
72	d1kgda_	Alignment	not modelled	99.4	14	**Fold:**P-loop containing nucleoside triphosphate hydrolases **Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**Nucleotide and nucleoside kinases
73	d1nn5a_	Alignment	not modelled	99.4	13	**Fold:**P-loop containing nucleoside triphosphate hydrolases **Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**Nucleotide and nucleoside kinases
74	c2wwiC_	Alignment	not modelled	99.4	13	**PDB header:**transferase **Chain:** C: **PDB Molecule:**thymidilate kinase, putative; **PDBTitle:** plasmodium falciparum thymidylate kinase in complex with2 aztmp and adp
75	d2iyva1	Alignment	not modelled	99.4	19	**Fold:**P-loop containing nucleoside triphosphate hydrolases **Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**Shikimate kinase (AroK)
76	c2plrB_	Alignment	not modelled	99.4	16	**PDB header:**transferase **Chain:** B: **PDB Molecule:**probable thymidylate kinase; **PDBTitle:** crystal structure of dtmp kinase (st1543) from sulfolobus tokodaii2 strain7
77	c2vliB_	Alignment	not modelled	99.4	15	**PDB header:**transferase **Chain:** B: **PDB Molecule:**antibiotic resistance protein; **PDBTitle:** structure of deinococcus radiodurans tunicamycin resistance2 protein
78	c1z6gA_	Alignment	not modelled	99.4	11	**PDB header:**transferase **Chain:** A: **PDB Molecule:**guanylate kinase; **PDBTitle:** crystal structure of guanylate kinase from plasmodium falciparum
79	c3trfB_	Alignment	not modelled	99.4	19	**PDB header:**transferase **Chain:** B: **PDB Molecule:**shikimate kinase; **PDBTitle:** structure of a shikimate kinase (arok) from coxiella burnetii
						Fold:P-loop containing nucleoside triphosphate hydrolases

80	d1qhxa_	Alignment	not modelled	99.4	19	**Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**Chloramphenicol phosphotransferase
81	c3nwjB_	Alignment	not modelled	99.3	21	**PDB header:**transferase **Chain:** B: **PDB Molecule:**atsk2; **PDBTitle:** crystal structure of shikimate kinase from arabidopsis thaliana2 (atsk2)
82	d2bdta1	Alignment	not modelled	99.3	15	**Fold:**P-loop containing nucleoside triphosphate hydrolases **Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**Atu3015-like
83	d1tmka_	Alignment	not modelled	99.3	12	**Fold:**P-loop containing nucleoside triphosphate hydrolases **Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**Nucleotide and nucleoside kinases
84	d1m7gb_	Alignment	not modelled	99.3	20	**Fold:**P-loop containing nucleoside triphosphate hydrolases **Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**Adenosine-5'phosphosulfate kinase (APS kinase)
85	c2qorA_	Alignment	not modelled	99.3	11	**PDB header:**transferase **Chain:** A: **PDB Molecule:**guanylate kinase; **PDBTitle:** crystal structure of plasmodium vivax guanylate kinase
86	c2rhmD_	Alignment	not modelled	99.3	15	**PDB header:**unknown function **Chain:** D: **PDB Molecule:**putative kinase; **PDBTitle:** crystal structure of a putative kinase (caur_3907) from chloroflexus2 aurantiacus j-10-fl at 1.70 a resolution
87	d2ocpa1	Alignment	not modelled	99.3	12	**Fold:**P-loop containing nucleoside triphosphate hydrolases **Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**Nucleotide and nucleoside kinases
88	d1m8pa3	Alignment	not modelled	99.3	13	**Fold:**P-loop containing nucleoside triphosphate hydrolases **Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**ATP sulfurylase C-terminal domain
89	c3c8uA_	Alignment	not modelled	99.3	17	**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
90	c2gesA_	Alignment	not modelled	99.3	12	**PDB header:**transferase **Chain:** A: **PDB Molecule:**pantothenate kinase; **PDBTitle:** pantothenate kinase from mycobacterium tuberculosis (mtpank) in2 complex with a coenzyme a derivative, form-i (rt)
91	d1rz3a_	Alignment	not modelled	99.3	14	**Fold:**P-loop containing nucleoside triphosphate hydrolases **Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**Phosphoribulokinase/pantothenate kinase
92	c2gksB_	Alignment	not modelled	99.2	17	**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
93	d1p5zb_	Alignment	not modelled	99.2	13	**Fold:**P-loop containing nucleoside triphosphate hydrolases **Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**Nucleotide and nucleoside kinases
94	d1gsia_	Alignment	not modelled	99.2	16	**Fold:**P-loop containing nucleoside triphosphate hydrolases **Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**Nucleotide and nucleoside kinases
95	d1nksa_	Alignment	not modelled	99.2	18	**Fold:**P-loop containing nucleoside triphosphate hydrolases **Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**Nucleotide and nucleoside kinases
96	d1sq5a_	Alignment	not modelled	99.2	13	**Fold:**P-loop containing nucleoside triphosphate hydrolases **Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**Phosphoribulokinase/pantothenate kinase
97	c2qroB_	Alignment	not modelled	99.2	13	**PDB header:**transferase **Chain:** B: **PDB Molecule:**deoxycytidine kinase; **PDBTitle:** human deoxycytidine kinase damp, udp, mg ion product complex
98	c3neyC_	Alignment	not modelled	99.2	13	**PDB header:**membrane protein **Chain:** C: **PDB Molecule:**55 kda erythrocyte membrane protein; **PDBTitle:** crystal structure of the kinase domain of mpp1/p55
99	c2ia5C_	Alignment	not modelled	99.2	18	**PDB header:**transferase **Chain:** C: **PDB Molecule:**polynucleotide kinase; **PDBTitle:** t4 polynucleotide kinase/phosphatase with bound sulfate and2 magnesium.
100	d1khta_	Alignment	not modelled	99.2	18	**Fold:**P-loop containing nucleoside triphosphate hydrolases **Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**Nucleotide and nucleoside kinases
101	d1zp6a1	Alignment	not modelled	99.1	17	**Fold:**P-loop containing nucleoside triphosphate hydrolases **Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**Atu3015-like
102	c2gaaA_	Alignment	not modelled	99.1	20	**PDB header:**unknown function **Chain:** A: **PDB Molecule:**hypothetical 39.9 kda protein; **PDBTitle:** crystal structure of yfh7 from saccharomyces cerevisiae: a2 putative p-loop containing kinase with a circular3 permutation.
103	d1m7ga_	Alignment	not modelled	99.1	17	**Fold:**P-loop containing nucleoside triphosphate hydrolases **Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**Adenosine-5'phosphosulfate kinase (APS kinase)
104	c3tqcB_	Alignment	not modelled	99.1	14	**PDB header:**transferase **Chain:** B: **PDB Molecule:**pantothenate kinase; **PDBTitle:** structure of the pantothenate kinase (coaa) from coxiella burnetii
105	c1ly1A_	Alignment	not modelled	99.1	18	**PDB header:**transferase **Chain:** A: **PDB Molecule:**polynucleotide kinase; **PDBTitle:** structure and mechanism of t4 polynucleotide kinase

106	d1ly1a_	Alignment	not modelled	99.1	18	**Fold:**P-loop containing nucleoside triphosphate hydrolases **Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**Nucleotide and nucleoside kinases
107	d1ki9a_	Alignment	not modelled	99.1	15	**Fold:**P-loop containing nucleoside triphosphate hydrolases **Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**Nucleotide and nucleoside kinases
108	c1m8pB_	Alignment	not modelled	99.1	18	**PDB header:**transferase **Chain:** B: **PDB Molecule:**sulfate adenylyltransferase; **PDBTitle:** crystal structure of p. chrysogenum atp sulfurylase in the t-state
109	d2vp4a1	Alignment	not modelled	99.1	15	**Fold:**P-loop containing nucleoside triphosphate hydrolases **Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**Nucleotide and nucleoside kinases
110	c2vp4D_	Alignment	not modelled	99.0	15	**PDB header:**transferase **Chain:** D: **PDB Molecule:**deoxynucleoside kinase; **PDBTitle:** structural studies of nucleoside analog and feedback2 inhibitor binding to drosophila melanogaster3 multisubstrate deoxyribonucleoside kinase
111	d1x6va3	Alignment	not modelled	98.9	21	**Fold:**P-loop containing nucleoside triphosphate hydrolases **Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**Adenosine-5'phosphosulfate kinase (APS kinase)
112	c3cr8C_	Alignment	not modelled	98.9	24	**PDB header:**transferase **Chain:** C: **PDB Molecule:**sulfate adenylyltranferase, adenylylsulfate **PDBTitle:** hexameric aps kinase from thiobacillus denitrificans
113	d1lw7a2	Alignment	not modelled	98.9	14	**Fold:**P-loop containing nucleoside triphosphate hydrolases **Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**Nucleotide and nucleoside kinases
114	d1odfa_	Alignment	not modelled	98.9	13	**Fold:**P-loop containing nucleoside triphosphate hydrolases **Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**Phosphoribulokinase/pantothenate kinase
115	c1xnjB_	Alignment	not modelled	98.8	18	**PDB header:**transferase **Chain:** B: **PDB Molecule:**bifunctional 3'-phosphoadenosine 5'-phosphosulfate **PDBTitle:** aps complex of human paps synthetase 1
116	c3ld9D_	Alignment	not modelled	98.8	14	**PDB header:**transferase **Chain:** D: **PDB Molecule:**thymidylate kinase; **PDBTitle:** crystal structure of thymidylate kinase from ehrlichia chaffeensis at2 2.15a resolution
117	d1a7ja_	Alignment	not modelled	98.8	19	**Fold:**P-loop containing nucleoside triphosphate hydrolases **Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**Phosphoribulokinase/pantothenate kinase
118	d1bifa1	Alignment	not modelled	98.7	9	**Fold:**P-loop containing nucleoside triphosphate hydrolases **Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase, kinase domain
119	d1yj5a2	Alignment	not modelled	98.7	14	**Fold:**P-loop containing nucleoside triphosphate hydrolases **Superfamily:**P-loop containing nucleoside triphosphate hydrolases **Family:**Nucleotide and nucleoside kinases
120	c1lw7A_	Alignment	not modelled	98.6	17	**PDB header:**transferase **Chain:** A: **PDB Molecule:**transcriptional regulator nadr; **PDBTitle:** nadr protein from haemophilus influenzae