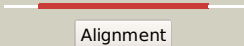

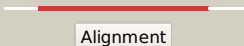
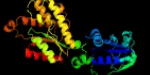
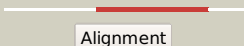
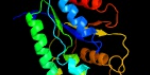

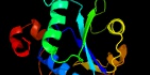




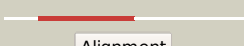
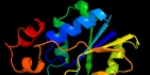

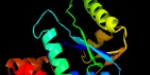








Phyre2

Email mdejesus@rockefeller.edu
 Description RVBD0212c_(nadR)_253669_254640
 Date Tue Jul 23 14:50:26 BST 2019
 Unique Job ID 82a070d978c2bff3

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c6gyeB_	 Alignment		100.0	26	PDB header: transport protein Chain: B: PDB Molecule: nicotinamide-nucleotide adenylyltransferase nadr family / PDBTitle: crystal structure of nadr protein in complex with nr
2	c1lw7A_	 Alignment		100.0	24	PDB header: transferase Chain: A: PDB Molecule: transcriptional regulator nadr; PDBTitle: nadr protein from haemophilus influenzae
3	d1lw7a2	 Alignment		100.0	20	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
4	d1lw7a1	 Alignment		99.9	29	Fold: Adenine nucleotide alpha hydrolase-like Superfamily: Nucleotidylyl transferase Family: Adenylyltransferase
5	d1f9aa_	 Alignment		99.9	21	Fold: Adenine nucleotide alpha hydrolase-like Superfamily: Nucleotidylyl transferase Family: Adenylyltransferase
6	d1ej2a_	 Alignment		99.9	19	Fold: Adenine nucleotide alpha hydrolase-like Superfamily: Nucleotidylyl transferase Family: Adenylyltransferase
7	c2qjoB_	 Alignment		99.9	15	PDB header: transferase, hydrolase Chain: B: PDB Molecule: bifunctional nmn adenylyltransferase/nudix hydrolase; PDBTitle: crystal structure of a bifunctional nmn adenylyltransferase/adp ribose2 pyrophosphatase (nadm) complexed with adprp and nad from3 synechocystis sp.
8	c2r5wA_	 Alignment		99.9	17	PDB header: hydrolase, transferase Chain: A: PDB Molecule: nicotinamide-nucleotide adenylyltransferase; PDBTitle: crystal structure of a bifunctional nmn2 adenylyltransferase/adp ribose pyrophosphatase from3 francisella tularensis
9	d1tfua_	 Alignment		99.9	16	Fold: Adenine nucleotide alpha hydrolase-like Superfamily: Nucleotidylyl transferase Family: Adenylyltransferase
10	c3ikzA_	 Alignment		99.9	16	PDB header: transferase Chain: A: PDB Molecule: phosphopantetheine adenylyltransferase; PDBTitle: crystal structure of phosphopantetheine adenylyltransferase from2 burkholderia pseudomallei
11	c3nd5D_	 Alignment		99.9	17	PDB header: transferase Chain: D: PDB Molecule: phosphopantetheine adenylyltransferase; PDBTitle: crystal structure of phosphopantetheine adenylyltransferase (ppat)2 from enterococcus faecalis

12	d1od6a_	Alignment		99.9	18	Fold: Adenine nucleotide alpha hydrolase-like Superfamily: Nucleotidylyl transferase Family: Adenylyltransferase
13	d1qjca_	Alignment		99.9	15	Fold: Adenine nucleotide alpha hydrolase-like Superfamily: Nucleotidylyl transferase Family: Adenylyltransferase
14	d1o6ba_	Alignment		99.9	11	Fold: Adenine nucleotide alpha hydrolase-like Superfamily: Nucleotidylyl transferase Family: Adenylyltransferase
15	c3f3mA_	Alignment		99.9	14	PDB header: transferase Chain: A: PDB Molecule: phosphopantetheine adenylyltransferase; PDBTitle: six crystal structures of two phosphopantetheine adenylyltransferases2 reveal an alternative ligand binding mode and an associated3 structural change
16	c5h16D_	Alignment		99.9	22	PDB header: transferase Chain: D: PDB Molecule: phosphopantetheine adenylyltransferase; PDBTitle: crystal structure of the complex of phosphopantetheine2 adenylyltransferase from acinetobacter baumannii with citrate at 2.33 a resolution.
17	c3x1mC_	Alignment		99.9	20	PDB header: transferase Chain: C: PDB Molecule: phosphopantetheine adenylyltransferase; PDBTitle: crystal structure of phosphopantetheine adenylyltransferase/ppat from2 pseudomonas aeruginosa with coa
18	d1vlha_	Alignment		99.9	17	Fold: Adenine nucleotide alpha hydrolase-like Superfamily: Nucleotidylyl transferase Family: Adenylyltransferase
19	c3e27B_	Alignment		99.9	13	PDB header: transferase Chain: B: PDB Molecule: nicotinate (nicotinamide) nucleotide adenylyltransferase; PDBTitle: nicotinic acid mononucleotide (namn) adenylyltransferase from bacillus2 anthracis: product complex
20	c4f3rC_	Alignment		99.9	15	PDB header: transferase Chain: C: PDB Molecule: phosphopantetheine adenylyltransferase; PDBTitle: structure of phosphopantetheine adenylyltransferase (cbu_0288) from2 coxiella burnetii
21	d1kama_	Alignment	not modelled	99.9	17	Fold: Adenine nucleotide alpha hydrolase-like Superfamily: Nucleotidylyl transferase Family: Adenylyltransferase
22	c4rpiA_	Alignment	not modelled	99.9	19	PDB header: transferase Chain: A: PDB Molecule: nicotinate-nucleotide adenylyltransferase; PDBTitle: crystal structure of nicotinate mononucleotide adenylyltransferase2 from mycobacterium tuberculosis
23	c3nv7A_	Alignment	not modelled	99.8	14	PDB header: transferase Chain: A: PDB Molecule: phosphopantetheine adenylyltransferase; PDBTitle: crystal structure of h.pylori phosphopantetheine adenylyltransferase2 mutant i4v/n76y
24	c2h29A_	Alignment	not modelled	99.8	11	PDB header: transferase Chain: A: PDB Molecule: probable nicotinate-nucleotide adenylyltransferase2 PDBTitle: crystal structure of nicotinic acid mononucleotide2 adenylyltransferase from staphylococcus aureus: product3 bound form 1
25	d1k4ma_	Alignment	not modelled	99.8	20	Fold: Adenine nucleotide alpha hydrolase-like Superfamily: Nucleotidylyl transferase Family: Adenylyltransferase
26	c1yunB_	Alignment	not modelled	99.8	21	PDB header: transferase Chain: B: PDB Molecule: probable nicotinate-nucleotide adenylyltransferase from pseudomonas aeruginosa
27	c4wsoA_	Alignment	not modelled	99.8	22	PDB header: transferase Chain: A: PDB Molecule: probable nicotinate-nucleotide adenylyltransferase; PDBTitle: x-ray crystal structure of a nicotinate nucleotide adenylyltransferase2 from burkholderia thailandensis bound to nad
28	c3h05A_	Alignment	not modelled	99.8	13	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein vpa0413; PDBTitle: the crystal structure of a putative nicotinate-nucleotide2

						adenylyltransferase from vibrio parahaemolyticus PDB header: transferase
29	c5lltB_	Alignment	not modelled	99.8	9	Chain: B: PDB Molecule: nicotinate-nucleotide adenylyltransferase; PDBTitle: plasmodium falciparum nicotinic acid mononucleotide2 adenylyltransferase complexed with naad
30	d1nuua_	Alignment	not modelled	99.8	17	Fold: Adenine nucleotide alpha hydrolase-like Superfamily: Nucleotidylyl transferase Family: Adenylyltransferase
31	d1kr2a_	Alignment	not modelled	99.7	18	Fold: Adenine nucleotide alpha hydrolase-like Superfamily: Nucleotidylyl transferase Family: Adenylyltransferase
32	d1tmka_	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
33	c3uwoA_	Alignment	not modelled	99.7	20	PDB header: transferase/transferase inhibitor Chain: A: PDB Molecule: thymidylate kinase; PDBTitle: structure guided development of novel thymidine mimetics targeting2 pseudomonas aeruginosa thymidylate kinase: from hit to lead3 generation
34	c3cr8C_	Alignment	not modelled	99.7	18	PDB header: transferase Chain: C: PDB Molecule: sulfate adenylyltransferase, adenylylsulfate kinase; PDBTitle: hexameric aps kinase from thiobacillus denitrificans
35	c3ld9D_	Alignment	not modelled	99.7	17	PDB header: transferase Chain: D: PDB Molecule: thymidylate kinase; PDBTitle: crystal structure of thymidylate kinase from ehrlichia chaffeensis at2.2.15a resolution
36	d1coza_	Alignment	not modelled	99.7	21	Fold: Adenine nucleotide alpha hydrolase-like Superfamily: Nucleotidylyl transferase Family: Cytidylyltransferase
37	c2gksB_	Alignment	not modelled	99.7	15	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
38	c5x7jA_	Alignment	not modelled	99.6	20	PDB header: transferase Chain: A: PDB Molecule: thymidylate kinase; PDBTitle: crystal structure of thymidylate kinase from thermus thermophilus hb8
39	c1m8pB_	Alignment	not modelled	99.6	20	PDB header: transferase Chain: B: PDB Molecule: sulfate adenylyltransferase; PDBTitle: crystal structure of p. chrysogenum atp sulfurylase in the t-state
40	d1nn5a_	Alignment	not modelled	99.6	11	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
41	d1mrza2	Alignment	not modelled	99.6	16	Fold: Adenine nucleotide alpha hydrolase-like Superfamily: Nucleotidylyl transferase Family: Adenylyltransferase
42	c5lnkk_	Alignment	not modelled	99.6	16	PDB header: oxidoreductase Chain: K: PDB Molecule: mitochondrial complex i, nd4l subunit; PDBTitle: entire ovine respiratory complex i
43	c2w0sB_	Alignment	not modelled	99.6	12	PDB header: transferase Chain: B: PDB Molecule: thymidylate kinase; PDBTitle: crystal structure of vaccinia virus thymidylate kinase2 bound to brivudin-5'-monophosphate
44	c2z0hA_	Alignment	not modelled	99.5	16	PDB header: transferase Chain: A: PDB Molecule: thymidylate kinase; PDBTitle: crystal structure of thymidylate kinase in complex with dtdp2 and adp from thermotoga maritima
45	c2wwiC_	Alignment	not modelled	99.5	9	PDB header: transferase Chain: C: PDB Molecule: thymidylate kinase, putative; PDBTitle: plasmodium falciparum thymidylate kinase in complex with2 aztmp and adp
46	c3lv8A_	Alignment	not modelled	99.5	17	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
47	c2ccjA_	Alignment	not modelled	99.5	15	PDB header: transferase Chain: A: PDB Molecule: thymidylate kinase; PDBTitle: crystal structure of s. aureus thymidylate kinase complexed2 with thymidine monophosphate
48	c2pbrB_	Alignment	not modelled	99.5	21	PDB header: transferase Chain: B: PDB Molecule: thymidylate kinase; PDBTitle: crystal structure of thymidylate kinase (aq_969) from aquifex aeolicus2 vf5
49	c3v9pA_	Alignment	not modelled	99.5	18	PDB header: transferase Chain: A: PDB Molecule: thymidylate kinase; PDBTitle: crystal structure of thymidylate kinase from burkholderia2 thailandensis
50	d4tmka_	Alignment	not modelled	99.5	21	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
51	c2b7lD_	Alignment	not modelled	99.4	16	PDB header: transferase Chain: D: PDB Molecule: glycerol-3-phosphate cytidylyltransferase; PDBTitle: crystal structure of ctp:glycerol-3-phosphate2 cytidylyltransferase from staphylococcus aureus
52	c4dwjB_	Alignment	not modelled	99.4	15	PDB header: transferase Chain: B: PDB Molecule: thymidylate kinase; PDBTitle: crystal structure of thymidylate kinase from staphylococcus aureus in2 complex with thymidine monophosphate
53	c5xf2B_	Alignment	not modelled	99.4	23	PDB header: transferase Chain: B: PDB Molecule: putative cytidylyltransferase; PDBTitle: crystal structure of semet-hldc from burkholderia pseudomallei
						PDB header: transferase Chain: A: PDB Molecule: bifunctional thymidylate/uridylylate kinase;

54	c5uivA_	Alignment	not modelled	99.4	15	PDBTitle: structure of thymidylate kinase from candida albicans reveals origin2 of broad substrate specificity and a novel structural element.
55	c3glvB_	Alignment	not modelled	99.4	23	PDB header: biosynthetic protein Chain: B: PDB Molecule: lipopolysaccharide core biosynthesis protein; PDBTitle: crystal structure of the lipopolysaccharide core biosynthesis protein2 from thermoplasma volcanium gss1
56	c2plrB_	Alignment	not modelled	99.3	9	PDB header: transferase Chain: B: PDB Molecule: probable thymidylate kinase; PDBTitle: crystal structure of dtmp kinase (st1543) from sulfolobus tokodaii2 strain7
57	c2jatA_	Alignment	not modelled	99.3	10	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
58	c4zcsE_	Alignment	not modelled	99.3	15	PDB header: transferase Chain: E: PDB Molecule: choline-phosphate cytidyltransferase; PDBTitle: crystal structure of the c-terminal catalytic domain of plasmodium2 falciparum ctp:phosphocholine cytidyltransferase in complex with3 cdp-choline
59	c1g8gB_	Alignment	not modelled	99.3	19	PDB header: transferase Chain: B: PDB Molecule: sulfate adenylyltransferase; PDBTitle: atp sulfurylase from s. cerevisiae: the binary product complex with2 aps
60	c3op1A_	Alignment	not modelled	99.3	17	PDB header: transferase Chain: A: PDB Molecule: macrolide-efflux protein; PDBTitle: crystal structure of macrolide-efflux protein sp_1110 from2 streptococcus pneumoniae
61	d1gsia_	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
62	d1p5zb_	Alignment	not modelled	99.2	14	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
63	c2x0kB_	Alignment	not modelled	99.2	19	PDB header: transferase Chain: B: PDB Molecule: riboflavin biosynthesis protein ribf; PDBTitle: crystal structure of modular fad synthetase from2 corynebacterium ammoniagenes
64	c1t6zB_	Alignment	not modelled	99.1	16	PDB header: transferase Chain: B: PDB Molecule: riboflavin kinase/fmN adenylyltransferase; PDBTitle: crystal structure of riboflavin bound tm379
65	d2ocpa1	Alignment	not modelled	99.1	13	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
66	c2qroB_	Alignment	not modelled	99.1	14	PDB header: transferase Chain: B: PDB Molecule: deoxycytidine kinase; PDBTitle: human deoxycytidine kinase damp, udp, mg ion product complex
67	c3gmiA_	Alignment	not modelled	99.1	15	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: upf0348 protein mj0951; PDBTitle: crystal structure of a protein of unknown function from2 methanocaldococcus jannaschii
68	c1zuiA_	Alignment	not modelled	99.1	14	PDB header: transferase Chain: A: PDB Molecule: shikimate kinase; PDBTitle: structural basis for shikimate-binding specificity of helicobacter2 pylori shikimate kinase
69	d1zaka1	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
70	c3vaaC_	Alignment	not modelled	99.1	17	PDB header: transferase Chain: C: PDB Molecule: shikimate kinase; PDBTitle: 1.7 angstrom resolution crystal structure of shikimate kinase from2 bacteroides thetaiotaomicron
71	d1nkSa_	Alignment	not modelled	99.0	16	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
72	c3tlxA_	Alignment	not modelled	99.0	12	PDB header: transferase Chain: A: PDB Molecule: adenylate kinase 2; PDBTitle: crystal structure of pf10_0086, adenylate kinase from plasmodium2 falciparum
73	c3elbA_	Alignment	not modelled	99.0	19	PDB header: transferase Chain: A: PDB Molecule: ethanolamine-phosphate cytidyltransferase; PDBTitle: human ctp: phosphoethanolamine cytidyltransferase in complex with2 cmp
74	d1e2ka_	Alignment	not modelled	99.0	24	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
75	c3umfA_	Alignment	not modelled	99.0	13	PDB header: transferase Chain: A: PDB Molecule: adenylate kinase; PDBTitle: schistosoma mansoni adenylate kinase
76	d1knqa_	Alignment	not modelled	99.0	14	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Gluconate kinase
77	d3adka_	Alignment	not modelled	99.0	15	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
78	c2pt5D_	Alignment	not modelled	99.0	18	PDB header: transferase Chain: D: PDB Molecule: shikimate kinase; PDBTitle: crystal structure of shikimate kinase (aq_2177) from aquifex aeolicus2 vf5
79	d1khta_	Alignment	not modelled	99.0	16	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases

80	d1ak2a1	Alignment	not modelled	99.0	12	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
81	c2ql6H	Alignment	not modelled	99.0	14	PDB header: signaling protein,transferase Chain: H: PDB Molecule: nicotinamide riboside kinase 1; PDBTitle: human nicotinamide riboside kinase (nrk1)
82	c3do8B	Alignment	not modelled	99.0	17	PDB header: transferase Chain: B: PDB Molecule: phosphopantetheine adenyltransferase; PDBTitle: the crystal structure of the protein with unknown function from2 archaeoglobus fulgidus
83	d1p3ja1	Alignment	not modelled	99.0	13	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
84	d2cdna1	Alignment	not modelled	99.0	18	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
85	d1e4va1	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
86	c2bwjC	Alignment	not modelled	98.9	16	PDB header: transferase Chain: C: PDB Molecule: adenylate kinase 5; PDBTitle: structure of adenylate kinase 5
87	d1p6xa	Alignment	not modelled	98.9	21	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
88	d1e6ca	Alignment	not modelled	98.9	11	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Shikimate kinase (AroK)
89	d1ki9a	Alignment	not modelled	98.9	16	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
90	d2ak3a1	Alignment	not modelled	98.9	13	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
91	c4pziC	Alignment	not modelled	98.9	11	PDB header: transferase Chain: C: PDB Molecule: adenylate kinase; PDBTitle: the crystal structure of adenylate kinase from francisella tularensis2 subsp. tularensis schu s4
92	c4y0aA	Alignment	not modelled	98.9	13	PDB header: transferase/transferase inhibitor Chain: A: PDB Molecule: shikimate kinase; PDBTitle: shikimate kinase from acinetobacter baumannii in complex with2 shikimate
93	d1zina1	Alignment	not modelled	98.9	11	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
94	d1akya1	Alignment	not modelled	98.9	15	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
95	d1kaga	Alignment	not modelled	98.8	12	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Shikimate kinase (AroK)
96	d1viaa	Alignment	not modelled	98.8	16	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Shikimate kinase (AroK)
97	c4eunA	Alignment	not modelled	98.8	16	PDB header: transferase Chain: A: PDB Molecule: thermostable glucokinase; PDBTitle: crystal structure of a sugar kinase (target efi-502144 from janibacter2 sp. htcc2649), unliganded structure
98	c5y0tD	Alignment	not modelled	98.8	19	PDB header: ligase Chain: D: PDB Molecule: thermotoga maritima tmcal; PDBTitle: crystal structure of thermotoga maritima tmcal bound with alpha-thio2 atp(form ii)
99	c2eu8B	Alignment	not modelled	98.8	13	PDB header: transferase Chain: B: PDB Molecule: adenylate kinase; PDBTitle: crystal structure of a thermostable mutant of bacillus2 subtilis adenylate kinase (q199r)
100	d1qf9a	Alignment	not modelled	98.8	11	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
101	d1s3ga1	Alignment	not modelled	98.8	15	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
102	c2if2C	Alignment	not modelled	98.8	16	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.
103	d1rkba	Alignment	not modelled	98.8	15	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
104	c2rh5B	Alignment	not modelled	98.8	16	PDB header: transferase Chain: B: PDB Molecule: adenylate kinase; PDBTitle: structure of apo adenylate kinase from aquifex aeolicus
105	c3nwjB	Alignment	not modelled	98.8	14	PDB header: transferase Chain: B: PDB Molecule: atsk2; PDBTitle: crystal structure of shikimate kinase from arabidopsis thaliana2 (atsk2)
106	c1zakB	Alignment	not modelled	98.8	13	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)

107	d1ukza_	Alignment	not modelled	98.8	11	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
108	d1teva_	Alignment	not modelled	98.8	13	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
109	c3cm0A_	Alignment	not modelled	98.8	17	PDB header: transferase Chain: A: PDB Molecule: adenylate kinase; PDBTitle: crystal structure of adenylate kinase from thermus2 thermophilus hb8
110	c3hl4B_	Alignment	not modelled	98.8	17	PDB header: transferase Chain: B: PDB Molecule: choline-phosphate cytidylyltransferase a; PDBTitle: crystal structure of a mammalian ctp:phosphocholine2 cytidylyltransferase with cdp-choline
111	d2bdta1	Alignment	not modelled	98.8	12	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Atu3015-like
112	d2vp4a1	Alignment	not modelled	98.8	12	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
113	c4nu0B_	Alignment	not modelled	98.8	14	PDB header: transferase Chain: B: PDB Molecule: adenylate kinase; PDBTitle: crystal structure of adenylate kinase from streptococcus pneumoniae2 with ap5a
114	d2iyva1	Alignment	not modelled	98.8	12	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Shikimate kinase (AroK)
115	c3t61A_	Alignment	not modelled	98.7	11	PDB header: transferase Chain: A: PDB Molecule: gluconokinase; PDBTitle: crystal structure of a gluconokinase from sinorhizobium meliloti 1021
116	c3akyA_	Alignment	not modelled	98.7	17	PDB header: adenylate kinase Chain: A: PDB Molecule: adenylate kinase; PDBTitle: stability, activity and structure of adenylate kinase2 mutants
117	c2ak3B_	Alignment	not modelled	98.7	12	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
118	c1qhiA_	Alignment	not modelled	98.7	29	PDB header: transferase Chain: A: PDB Molecule: protein (thymidine kinase); PDBTitle: herpes simplex virus type-i thymidine kinase complexed with2 a novel non-substrate inhibitor, 9-(4-hydroxybutyl)-n2-3 phenylguanine
119	c1s3gA_	Alignment	not modelled	98.7	15	PDB header: transferase Chain: A: PDB Molecule: adenylate kinase; PDBTitle: crystal structure of adenylate kinase from bacillus2 globisporus
120	c2ak2A_	Alignment	not modelled	98.7	13	PDB header: phosphotransferase Chain: A: PDB Molecule: adenylate kinase isoenzyme-2; PDBTitle: adenylate kinase isoenzyme-2