

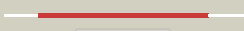














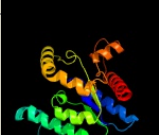






Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD2727c_miaA_3039835_3040779
Date	Wed Aug 7 12:50:38 BST 2019
Unique Job ID	1a68c9910b585382

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c3fozB_	 Alignment		100.0	35	PDB header: transferase/rna Chain: B: PDB Molecule: trna delta(2)-isopentenylpyrophosphate transferase; PDBTitle: structure of e. coli isopentenyl-trna transferase in complex with e.2 coli trna(phe)
2	c3d3qB_	 Alignment		100.0	30	PDB header: transferase Chain: B: PDB Molecule: trna delta(2)-isopentenylpyrophosphate transferase; PDBTitle: crystal structure of trna delta(2)-isopentenylpyrophosphate2 transferase (se0981) from staphylococcus epidermidis. northeast3 structural genomics consortium target ser100
3	c3exaD_	 Alignment		100.0	36	PDB header: transferase Chain: D: PDB Molecule: trna delta(2)-isopentenylpyrophosphate transferase; PDBTitle: crystal structure of the full-length trna isopentenylpyrophosphate2 transferase (bh2366) from bacillus halodurans, northeast structural3 genomics consortium target bhr41.
4	c3ep1A_	 Alignment		100.0	29	PDB header: transferase/rna Chain: A: PDB Molecule: trna isopentenyltransferase; PDBTitle: crystallographic snapshots of eukaryotic2 dimethylallyltransferase acting on trna: insight into trna3 recognition and reaction mechanism
5	c3a8tA_	 Alignment		100.0	31	PDB header: transferase Chain: A: PDB Molecule: adenylate isopentenyltransferase; PDBTitle: plant adenylyl isopentenyltransferase in complex with atp
6	c3crqA_	 Alignment		100.0	37	PDB header: transferase Chain: A: PDB Molecule: trna delta(2)-isopentenylpyrophosphate PDBTitle: structure of trna dimethylallyltransferase: rna2 modification through a channel
7	c2ze5A_	 Alignment		100.0	17	PDB header: transferase Chain: A: PDB Molecule: isopentenyl transferase; PDBTitle: crystal structure of adenosine phosphate-isopentenyltransferase
8	d1xbt1	 Alignment		99.5	20	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Type II thymidine kinase
9	c3nwiB_	 Alignment		98.5	14	PDB header: transferase Chain: B: PDB Molecule: atsk2; PDBTitle: crystal structure of shikimate kinase from arabidopsis thaliana2 (atsk2)
10	c2ia5C_	 Alignment		98.5	28	PDB header: transferase Chain: C: PDB Molecule: polynucleotide kinase; PDBTitle: t4 polynucleotide kinase/phosphatase with bound sulfate and magnesium.
11	d1lvga_	 Alignment		98.3	18	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases

12	c2qorA_	Alignment		98.3	23	PDB header: transferase Chain: A: PDB Molecule: guanylate kinase; PDBTitle: crystal structure of plasmodium vivax guanylate kinase
13	d1kgda_	Alignment		98.3	14	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
14	c1z6gA_	Alignment		98.3	19	PDB header: transferase Chain: A: PDB Molecule: guanylate kinase; PDBTitle: crystal structure of guanylate kinase from plasmodium falciparum
15	d1rkba_	Alignment		98.3	17	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
16	d1knqa_	Alignment		98.2	25	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Gluconate kinase
17	c2bwjC_	Alignment		98.2	12	PDB header: transferase Chain: C: PDB Molecule: adenylate kinase 5; PDBTitle: structure of adenylate kinase 5
18	d1kaga_	Alignment		98.2	24	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Shikimate kinase (AroK)
19	d1p5zb_	Alignment		98.1	10	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
20	c4gp6A_	Alignment		98.1	20	PDB header: transferase Chain: A: PDB Molecule: metallophosphoesterase; PDBTitle: polynucleotide kinase
21	d2bdta1	Alignment	not modelled	98.1	19	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Atu3015-like
22	d3adka_	Alignment	not modelled	98.1	11	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
23	c3tr0A_	Alignment	not modelled	98.1	21	PDB header: transferase Chain: A: PDB Molecule: guanylate kinase; PDBTitle: structure of guanylate kinase (gmk) from coxiella burnetii
24	d1s96a_	Alignment	not modelled	98.0	23	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
25	c2grjH_	Alignment	not modelled	98.0	29	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
26	c3neyC_	Alignment	not modelled	98.0	16	PDB header: membrane protein Chain: C: PDB Molecule: 55 kda erythrocyte membrane protein; PDBTitle: crystal structure of the kinase domain of mpp1/p55
27	d1gkya_	Alignment	not modelled	98.0	23	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
28	d1viaa_	Alignment	not modelled	98.0	20	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Shikimate kinase (AroK)
						PDB header: transferase

29	c4bzpB	Alignment	not modelled	97.9	20	Chain: B: PDB Molecule: bifunctional enzyme cysn/cysc; PDBTitle: structure of the mycobacterium tuberculosis aps kinase cysc2 in complex with adp
30	d2vp4a1	Alignment	not modelled	97.9	13	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
31	d1zp6a1	Alignment	not modelled	97.9	28	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Atu3015-like
32	c4y0aA	Alignment	not modelled	97.9	34	PDB header: transferase/transferase inhibitor Chain: A: PDB Molecule: shikimate kinase; PDBTitle: shikimate kinase from acinetobacter baumannii in complex with2 shikimate
33	c3hdtB	Alignment	not modelled	97.9	17	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: putative kinase; PDBTitle: crystal structure of putative kinase from clostridium symbiosum atcc2 14940
34	c1sxjA	Alignment	not modelled	97.9	18	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)
35	c6qp0A	Alignment	not modelled	97.9	15	PDB header: rna binding protein Chain: A: PDB Molecule: putative chromatin binding protein; PDBTitle: crystal structure of chaetomium thermophilum kti12 in complex with2 adp-alf3
36	c3asyB	Alignment	not modelled	97.8	24	PDB header: transferase Chain: B: PDB Molecule: uridine kinase; PDBTitle: ligand-free structure of uridine kinase from thermus thermophilus hb8
37	c4ttrA	Alignment	not modelled	97.8	29	PDB header: transferase Chain: A: PDB Molecule: dephospho-coa kinase; PDBTitle: crystal structure of legionella pneumophila dephospho-coa kinase in2 complex with bu2
38	d1vhta	Alignment	not modelled	97.8	38	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
39	c4i1vB	Alignment	not modelled	97.8	32	PDB header: transferase Chain: B: PDB Molecule: dephospho-coa kinase; PDBTitle: crystal structure of a dephospho-coa kinase from burkholderia2 vietnamiensis bound to adp
40	d1zina1	Alignment	not modelled	97.8	29	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
41	c2f6rA	Alignment	not modelled	97.8	35	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
42	c4xrpA	Alignment	not modelled	97.8	23	PDB header: protein binding Chain: A: PDB Molecule: pnkp1; PDBTitle: structure of the pnkp1/rnl/hen1 rna repair complex
43	c4nu0B	Alignment	not modelled	97.8	32	PDB header: transferase Chain: B: PDB Molecule: adenylate kinase; PDBTitle: crystal structure of adenylate kinase from streptococcus pneumoniae2 with ap5a
44	c3vaaC	Alignment	not modelled	97.8	31	PDB header: transferase Chain: C: PDB Molecule: shikimate kinase; PDBTitle: 1.7 angstrom resolution crystal structure of shikimate kinase from2 bacteroides thetaiotaomicron
45	c2yvua	Alignment	not modelled	97.8	18	PDB header: transferase Chain: A: PDB Molecule: probable adenylyl-sulfate kinase; PDBTitle: crystal structure of ape1195
46	d1e4va1	Alignment	not modelled	97.8	24	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
47	c4eunA	Alignment	not modelled	97.7	38	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
48	c3akcA	Alignment	not modelled	97.7	43	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
49	d2cdna1	Alignment	not modelled	97.7	35	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
50	d2iyva1	Alignment	not modelled	97.7	25	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Shikimate kinase (AroK)
51	d1lukza	Alignment	not modelled	97.7	20	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
52	d1s3ga1	Alignment	not modelled	97.7	24	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
53	d1sxja2	Alignment	not modelled	97.7	17	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Extended AAA-ATPase domain
54	c3umfA	Alignment	not modelled	97.7	12	PDB header: transferase Chain: A: PDB Molecule: adenylate kinase; PDBTitle: schistosoma mansoni adenylate kinase
55	c3t61A	Alignment	not modelled	97.7	26	PDB header: transferase Chain: A: PDB Molecule: gluconokinase; PDBTitle: crystal structure of a gluconokinase from sinorhizobium

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56	c3be4A_	Alignment	not modelled	97.7	23	PDB header: transferase Chain: A: PDB Molecule: adenylate kinase; PDBTitle: crystal structure of cryptosporidium parvum adenylate kinase cgd5_3360
57	c1ankA_	Alignment	not modelled	97.7	26	PDB header: transferase(phosphotransferase) Chain: A: PDB Molecule: adenylate kinase; PDBTitle: the closed conformation of a highly flexible protein: the structure of 2 e. coli adenylate kinase with bound amp and amppnp
58	d1jva_	Alignment	not modelled	97.7	35	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
59	c2eu8B_	Alignment	not modelled	97.7	21	PDB header: transferase Chain: B: PDB Molecule: adenylate kinase; PDBTitle: crystal structure of a thermostable mutant of bacillus2 subtilis adenylate kinase (q199r)
60	d1qha_	Alignment	not modelled	97.6	19	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Chloramphenicol phosphotransferase
61	d1nksa_	Alignment	not modelled	97.6	24	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
62	c2rhmd_	Alignment	not modelled	97.6	23	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
63	c3zvmA_	Alignment	not modelled	97.6	21	PDB header: hydrolase/transferase/dna Chain: A: PDB Molecule: bifunctional polynucleotide phosphatase/kinase; PDBTitle: the structural basis for substrate recognition by mammalian2 polynucleotide kinase 3' phosphatase
64	c3cm0A_	Alignment	not modelled	97.6	29	PDB header: transferase Chain: A: PDB Molecule: adenylate kinase; PDBTitle: crystal structure of adenylate kinase from thermus2 thermophilus hb8
65	d1e6ca_	Alignment	not modelled	97.6	29	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Shikimate kinase (AroK)
66	c1zuiA_	Alignment	not modelled	97.6	25	PDB header: transferase Chain: A: PDB Molecule: shikimate kinase; PDBTitle: structural basis for shikimate-binding specificity of helicobacter2 pylori shikimate kinase
67	c3fdia_	Alignment	not modelled	97.6	21	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of uncharacterized protein from eubacterium2 ventriosum atcc 27560.
68	d1ak2a1	Alignment	not modelled	97.6	38	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
69	c1vj5B_	Alignment	not modelled	97.6	21	PDB header: transferase Chain: B: PDB Molecule: 5' polynucleotide kinase-3' phosphatase catalytic domain; PDBTitle: molecular architecture of mammalian polynucleotide kinase, a dna2 repair enzyme
70	d1p3ja1	Alignment	not modelled	97.6	24	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
71	c2pt5D_	Alignment	not modelled	97.6	18	PDB header: transferase Chain: D: PDB Molecule: shikimate kinase; PDBTitle: crystal structure of shikimate kinase (aq_2177) from aquifex aeolicus2 vf5
72	d1k6ma1	Alignment	not modelled	97.6	12	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
73	d1teva_	Alignment	not modelled	97.5	21	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
74	c1s3ga_	Alignment	not modelled	97.5	24	PDB header: transferase Chain: A: PDB Molecule: adenylate kinase; PDBTitle: crystal structure of adenylate kinase from bacillus2 globisporus
75	c2j7pa_	Alignment	not modelled	97.5	18	PDB header: signal recognition Chain: A: PDB Molecule: signal recognition particle protein; PDBTitle: gmppnp-stabilized ng domain complex of the srp gtpases ffh2 and ftsy
76	c5l3rc_	Alignment	not modelled	97.5	16	PDB header: protein transport Chain: C: PDB Molecule: signal recognition particle 54 kda protein, chloroplastic; PDBTitle: structure of the gtpase heterodimer of chloroplast srp54 and ftsy from2 arabidopsis thaliana
77	d1ly1a_	Alignment	not modelled	97.5	30	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
78	c1ly1A_	Alignment	not modelled	97.5	30	PDB header: transferase Chain: A: PDB Molecule: polynucleotide kinase; PDBTitle: structure and mechanism of t4 polynucleotide kinase
79	c1vmaA_	Alignment	not modelled	97.5	25	PDB header: protein transport Chain: A: PDB Molecule: cell division protein ftsy; PDBTitle: crystal structure of cell division protein ftsy (tm0570) from2 thermotoga maritima at 1.60 a resolution
80	c4ww4B_	Alignment	not modelled	97.5	27	PDB header: hydrolase Chain: B: PDB Molecule: ruvb-like 2; PDBTitle: double-heterohexameric rings of full-length rvb1(adp)/rvb2(adp)
						Fold: P-loop containing nucleoside triphosphate hydrolases

81	d1e94e_	Alignment	not modelled	97.5	32	Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Extended AAA-ATPase domain
82	c3b9qA_	Alignment	not modelled	97.5	23	PDB header: protein transport Chain: A: PDB Molecule: chloroplast srp receptor homolog, alpha subunit PDBTitle: the crystal structure of cpftsyt from arabidopsis thaliana
83	d1q3ta_	Alignment	not modelled	97.5	34	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
84	c2ak3B_	Alignment	not modelled	97.5	17	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
85	d1lw7a2	Alignment	not modelled	97.5	14	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
86	c2chgB_	Alignment	not modelled	97.5	19	PDB header: dna-binding protein Chain: B: PDB Molecule: replication factor c small subunit; PDBTitle: replication factor c domains 1 and 2
87	c5x06G_	Alignment	not modelled	97.5	17	PDB header: replication Chain: G: PDB Molecule: dnaa regulatory inactivator hda; PDBTitle: dna replication regulation protein
88	d2ak3a1	Alignment	not modelled	97.5	17	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
89	c2cnwF_	Alignment	not modelled	97.5	20	PDB header: signal recognition Chain: F: PDB Molecule: cell division protein ftsy; PDBTitle: gdpalf4 complex of the srp gtpases ffh and ftsy
90	d1y63a_	Alignment	not modelled	97.5	26	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
91	d1yj5a2	Alignment	not modelled	97.4	29	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
92	c5g3yA_	Alignment	not modelled	97.4	26	PDB header: transferase Chain: A: PDB Molecule: adenylate kinase; PDBTitle: crystal structure of adenylate kinase ancestor 1 with zn and adp bound
93	c2p5tD_	Alignment	not modelled	97.4	19	PDB header: transcription regulator Chain: D: PDB Molecule: pez2; PDBTitle: molecular and structural characterization of the pezat chromosomal2 toxin-antitoxin system of the human pathogen streptococcus pneumoniae
94	c2xb4A_	Alignment	not modelled	97.4	21	PDB header: transferase Chain: A: PDB Molecule: adenylate kinase; PDBTitle: crystal structures of zinc containing adenylate kinase from2 desulfovibrio gigas
95	c5b3fB_	Alignment	not modelled	97.4	22	PDB header: transferase Chain: B: PDB Molecule: phosphoribulokinase/uridine kinase; PDBTitle: crystal structure of phosphoribulokinase from methanospirillum2 hungatei
96	d1l8qa2	Alignment	not modelled	97.4	14	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Extended AAA-ATPase domain
97	d1ckeA_	Alignment	not modelled	97.4	33	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
98	c1qvrB_	Alignment	not modelled	97.4	19	PDB header: chaperone Chain: B: PDB Molecule: clpb protein; PDBTitle: crystal structure analysis of clpb
99	c6b8vA_	Alignment	not modelled	97.4	18	PDB header: transferase Chain: A: PDB Molecule: adenylsulfate kinase; PDBTitle: crystal structure of adenylsulfate kinase from cryptococcus2 neoformans
100	c5cb6A_	Alignment	not modelled	97.4	19	PDB header: transferase Chain: A: PDB Molecule: probable adenylsulfate kinase; PDBTitle: structure of adenosine-5'-phosphosulfate kinase
101	c3pfiB_	Alignment	not modelled	97.4	17	PDB header: hydrolase Chain: B: PDB Molecule: holliday junction atp-dependent dna helicase ruvb; PDBTitle: 2.7 angstrom resolution crystal structure of a probable holliday2 junction dna helicase (ruvb) from campylobacter jejuni subsp. jejuni3 nctc 11168 in complex with adenosine-5'-diphosphate
102	c1zakB_	Alignment	not modelled	97.4	15	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)
103	c3r8cB_	Alignment	not modelled	97.4	42	PDB header: transferase Chain: B: PDB Molecule: cytidylate kinase; PDBTitle: crystal structure of cytidylate kinase (cmk) from mycobacterium2 abscessus
104	c2ak2A_	Alignment	not modelled	97.4	38	PDB header: phosphotransferase Chain: A: PDB Molecule: adenylate kinase isoenzyme-2; PDBTitle: adenylate kinase isoenzyme-2
105	c3akyA_	Alignment	not modelled	97.4	35	PDB header: adenylate kinase Chain: A: PDB Molecule: adenylate kinase; PDBTitle: stability, activity and structure of adenylate kinase2 mutants
106	c2if2C_	Alignment	not modelled	97.4	32	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.

107	d1akya1	Alignment	not modelled	97.4	35	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
108	c1zu4A_	Alignment	not modelled	97.4	16	PDB header: protein transport Chain: A: PDB Molecule: ftsyt; PDBTitle: crystal structure of ftsy from mycoplasma mycoides-space2 group p21212
109	d1m7ga_	Alignment	not modelled	97.4	22	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Adenosine-5'phosphosulfate kinase (APS kinase)
110	c5l3sF_	Alignment	not modelled	97.3	23	PDB header: protein transport Chain: F: PDB Molecule: signal recognition particle receptor ftsy; PDBTitle: structure of the gtpase heterodimer of crenarchaeal srp54 and ftsy
111	c6cy1B_	Alignment	not modelled	97.3	17	PDB header: signaling protein Chain: B: PDB Molecule: signal recognition particle receptor ftsy; PDBTitle: crystal structure of signal recognition particle receptor ftsy from2 elizabethkingia anophelis
112	d1qf9a_	Alignment	not modelled	97.3	18	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
113	c3uieB_	Alignment	not modelled	97.3	20	PDB header: transferase/transferase inhibitor Chain: B: PDB Molecule: adenylyl-sulfate kinase 1, chloroplatic; PDBTitle: crystal structure of adenosine 5'-phosphosulfate kinase from2 arabidopsis thaliana in complex with amppnp and aps
114	c6mfuD_	Alignment	not modelled	97.3	30	PDB header: hydrolase Chain: D: PDB Molecule: guanylate kinase; PDBTitle: crystal structure of a guanylate kinase from cryptococcus neoformans2 var. grubii serotype a in complex with gdp and adp
115	c2ar7A_	Alignment	not modelled	97.3	23	PDB header: transferase Chain: A: PDB Molecule: adenylate kinase 4; PDBTitle: crystal structure of human adenylyl kinase 4, ak4
116	c2vp4D_	Alignment	not modelled	97.3	14	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
117	c5oafB_	Alignment	not modelled	97.3	29	PDB header: gene regulation Chain: B: PDB Molecule: ruvb-like 2; PDBTitle: human rvb1/rvb2 heterohexamer in ino80 complex
118	d1khta_	Alignment	not modelled	97.3	21	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
119	c2ql6H_	Alignment	not modelled	97.3	14	PDB header: signaling protein,transferase Chain: H: PDB Molecule: nicotinamide riboside kinase 1; PDBTitle: human nicotinamide riboside kinase (nrk1)
120	c2qy9A_	Alignment	not modelled	97.3	20	PDB header: protein transport Chain: A: PDB Molecule: cell division protein ftsy; PDBTitle: structure of the ng+1 construct of the e. coli srp receptor2 ftsy