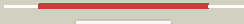



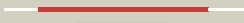
















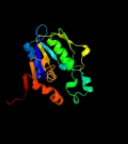





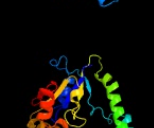

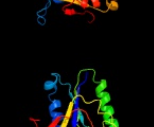
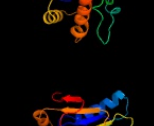


Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD1092c_coaA_1219253_1220191
Date	Wed Jul 31 22:05:17 BST 2019
Unique Job ID	c760881066e41f3e

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c2gesA_	 Alignment		100.0	99	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)
2	c3tqcB_	 Alignment		100.0	54	PDB header: transferase Chain: B: PDB Molecule: pantothenate kinase; PDBTitle: structure of the pantothenate kinase (coaa) from coxiella burnetii
3	d1sq5a_	 Alignment		100.0	54	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Phosphoribulokinase/pantothenate kinase
4	d1odfa_	 Alignment		100.0	16	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Phosphoribulokinase/pantothenate kinase
5	c6ckgA_	 Alignment		100.0	15	PDB header: transferase Chain: A: PDB Molecule: d-glycerate 3-kinase; PDBTitle: d-glycerate 3-kinase from cryptococcus neoformans var. grubii serotype2 a (h99 / atcc 208821 / cbs 10515 / fgsc 9487)
6	c6gveG_	 Alignment		100.0	25	PDB header: photosynthesis Chain: G: PDB Molecule: phosphoribulokinase; PDBTitle: gapdh-cp12-prk complex
7	d1a7ja_	 Alignment		100.0	17	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Phosphoribulokinase/pantothenate kinase
8	c6h7gB_	 Alignment		100.0	23	PDB header: photosynthesis Chain: B: PDB Molecule: phosphoribulokinase, chloroplastic; PDBTitle: crystal structure of redox-sensitive phosphoribulokinase (prk) from2 the green algae chlamydomonas reinhardtii
9	c5b3fB_	 Alignment		100.0	23	PDB header: transferase Chain: B: PDB Molecule: phosphoribulokinase/uridine kinase; PDBTitle: crystal structure of phosphoribulokinase from methanospirillum2 hungatei
10	c2gaaA_	 Alignment		100.0	24	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.
11	c6hzkB_	 Alignment		100.0	29	PDB header: transferase Chain: B: PDB Molecule: phosphoribulokinase; PDBTitle: crystal structure of redox-inhibited phosphoribulokinase from2 synechococcus sp. (strain pcc 6301)

12	c3c8uA	Alignment		100.0	26	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
13	d1rz3a	Alignment		99.9	18	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Phosphoribulokinase/pantothenate kinase
14	c1ueiB	Alignment		99.9	23	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
15	d1uj2a	Alignment		99.9	23	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Phosphoribulokinase/pantothenate kinase
16	c3asyB	Alignment		99.9	25	PDB header: transferase Chain: B: PDB Molecule: uridine kinase; PDBTitle: ligand-free structure of uridine kinase from thermus thermophilus hb8
17	c6n39A	Alignment		99.6	16	PDB header: transferase Chain: A: PDB Molecule: dephospho-coa kinase; PDBTitle: crystal structure of an dephospho-coa kinase coae from mycobacterium2 paratuberculosis
18	c2f6rA	Alignment		99.6	18	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
19	c2ql6H	Alignment		99.5	25	PDB header: signaling protein,transferase Chain: H: PDB Molecule: nicotinamide riboside kinase 1; PDBTitle: human nicotinamide riboside kinase (nrk1)
20	c2griH	Alignment		99.3	19	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 at 3 2.60 a resolution
21	d1jva	Alignment	not modelled	99.3	14	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
22	d1uf9a	Alignment	not modelled	99.2	20	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
23	c4i1vB	Alignment	not modelled	99.2	20	PDB header: transferase Chain: B: PDB Molecule: dephospho-coa kinase; PDBTitle: crystal structure of a dephospho-coa kinase from burkholderia2 vietnamiensis bound to adp
24	d1q3ta	Alignment	not modelled	99.2	11	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
25	c4zo4A	Alignment	not modelled	99.1	14	PDB header: transferase Chain: A: PDB Molecule: dephospho-coa kinase; PDBTitle: dephospho-coa kinase from campylobacter jejuni.
26	c2vp4D	Alignment	not modelled	99.1	13	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
27	c4ttrA	Alignment	not modelled	99.1	18	PDB header: transferase Chain: A: PDB Molecule: dephospho-coa kinase; PDBTitle: crystal structure of legionella pneumophila dephospho-coa kinase in2 complex with bu2
28	c3r8cB	Alignment	not modelled	99.1	19	PDB header: transferase Chain: B: PDB Molecule: cytidylate kinase; PDBTitle: crystal structure of cytidylate kinase (cmk) from mycobacterium2 abscessus
						Fold: P-loop containing nucleoside triphosphate hydrolases

29	d2vp4a1	Alignment	not modelled	99.0	12	Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
30	d1vh7a	Alignment	not modelled	99.0	14	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
31	d1rkba	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
32	c3t61A	Alignment	not modelled	98.8	15	PDB header: transferase Chain: A: PDB Molecule: gluconokinase; PDBTitle: crystal structure of a gluconokinase from sinorhizobium meliloti 1021
33	c2h92C	Alignment	not modelled	98.8	18	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
34	c3uieB	Alignment	not modelled	98.7	18	PDB header: transferase/transferase inhibitor Chain: B: PDB Molecule: adenylyl-sulfate kinase 1, chloroplastic; PDBTitle: crystal structure of adenosine 5'-phosphosulfate kinase from2 arabidopsis thaliana in complex with ampnpn and aps
35	c2rhmD	Alignment	not modelled	98.7	18	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
36	c3akcA	Alignment	not modelled	98.7	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
37	c1zuiA	Alignment	not modelled	98.7	16	PDB header: transferase Chain: A: PDB Molecule: shikimate kinase; PDBTitle: structural basis for shikimate-binding specificity of helicobacter2 pylori shikimate kinase
38	c2if2C	Alignment	not modelled	98.7	20	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.
39	c6qp0A	Alignment	not modelled	98.7	20	PDB header: rna binding protein Chain: A: PDB Molecule: putative chromatin binding protein; PDBTitle: crystal structure of chaetomium thermophilum kt12 in complex with2 adp-alf3
40	c2yvuA	Alignment	not modelled	98.6	11	PDB header: transferase Chain: A: PDB Molecule: probable adenylyl-sulfate kinase; PDBTitle: crystal structure of ape1195
41	d1m7ga	Alignment	not modelled	98.6	17	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Adenosine-5'phosphosulfate kinase (APS kinase)
42	d1kaga	Alignment	not modelled	98.6	17	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Shikimate kinase (AroK)
43	d1m7gb	Alignment	not modelled	98.6	21	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Adenosine-5'phosphosulfate kinase (APS kinase)
44	d1knqa	Alignment	not modelled	98.6	14	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Gluconate kinase
45	d1e6ca	Alignment	not modelled	98.6	19	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Shikimate kinase (AroK)
46	d1ckea	Alignment	not modelled	98.6	15	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
47	d1viaa	Alignment	not modelled	98.6	20	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Shikimate kinase (AroK)
48	c3vaaC	Alignment	not modelled	98.6	12	PDB header: transferase Chain: C: PDB Molecule: shikimate kinase; PDBTitle: 1.7 angstrom resolution crystal structure of shikimate kinase from2 bacteroides thetaiotaomicron
49	d1y63a	Alignment	not modelled	98.6	18	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
50	c3h0kA	Alignment	not modelled	98.6	16	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: upf0200 protein sso1041; PDBTitle: crystal structure of an adenylated kinase related protein from2 sulfobolus solfataricus to 3.25a
51	d1ki9a	Alignment	not modelled	98.6	12	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
52	d1khta	Alignment	not modelled	98.6	12	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
53	c2pt5D	Alignment	not modelled	98.6	18	PDB header: transferase Chain: D: PDB Molecule: shikimate kinase; PDBTitle: crystal structure of shikimate kinase (aq_2177) from aquifex aeolicus2 vf5
54	d1ly1a	Alignment	not modelled	98.5	16	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
55	c1ly1A	Alignment	not modelled	98.5	16	PDB header: transferase Chain: A: PDB Molecule: polynucleotide kinase; PDBTitle: structure and mechanism of t4 polynucleotide kinase PDB header: transferase

56	c2ia5C_	Alignment	not modelled	98.5	18	Chain: C; PDB Molecule: polynucleotide kinase; PDBTitle: t4 polynucleotide kinase/phosphatase with bound sulfate and magnesium.
57	d1m8pa3	Alignment	not modelled	98.5	18	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: ATP sulfurylase C-terminal domain
58	c4y0aA_	Alignment	not modelled	98.5	16	PDB header: transferase/transferase inhibitor Chain: A; PDB Molecule: shikimate kinase; PDBTitle: shikimate kinase from acinetobacter baumannii in complex with 2 shikimate
59	c3ch4B_	Alignment	not modelled	98.5	13	PDB header: transferase Chain: B; PDB Molecule: phosphomevalonate kinase; PDBTitle: the crystal structure of human phosphomevalonate kinase at 2.18 Å resolution
60	c2plrB_	Alignment	not modelled	98.5	16	PDB header: transferase Chain: B; PDB Molecule: probable thymidylate kinase; PDBTitle: crystal structure of dtmP kinase (st1543) from <i>Sulfolobus tokodaii</i> 2 strain 7
61	c1m8pB_	Alignment	not modelled	98.5	24	PDB header: transferase Chain: B; PDB Molecule: sulfate adenylyltransferase; PDBTitle: crystal structure of p. chrysogenum atp sulfurylase in the t-state
62	c3tr0A_	Alignment	not modelled	98.5	12	PDB header: transferase Chain: A; PDB Molecule: guanylate kinase; PDBTitle: structure of guanylate kinase (gmk) from <i>Coxiella burnetii</i>
63	c5cb6A_	Alignment	not modelled	98.5	15	PDB header: transferase Chain: A; PDB Molecule: probable adenylyl-sulfate kinase; PDBTitle: structure of adenosine-5'-phosphosulfate kinase
64	c3nwjB_	Alignment	not modelled	98.5	13	PDB header: transferase Chain: B; PDB Molecule: atsk2; PDBTitle: crystal structure of shikimate kinase from <i>Arabidopsis thaliana</i> 2 (atsk2)
65	c4bzbB_	Alignment	not modelled	98.4	14	PDB header: transferase Chain: B; PDB Molecule: bifunctional enzyme cysN/cysC; PDBTitle: structure of the mycobacterium tuberculosis aps kinase cysC2 in complex with adp
66	c4xrpA_	Alignment	not modelled	98.4	21	PDB header: protein binding Chain: A; PDB Molecule: pnpk1; PDBTitle: structure of the pnpk1/rnl/hen1 rna repair complex
67	d1nksa_	Alignment	not modelled	98.4	10	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
68	c4cw7A_	Alignment	not modelled	98.4	22	PDB header: transferase Chain: A; PDB Molecule: putative adenylate kinase; PDBTitle: structure of the fap7-rps14 complex in complex with atp
69	c2gksB_	Alignment	not modelled	98.4	20	PDB header: transferase Chain: B; PDB Molecule: bifunctional sat/aps kinase; PDBTitle: crystal structure of the bi-functional atp sulfurylase-aps kinase from <i>Aquifex aeolicus</i> , a chemolithotrophic thermophile
70	d1nn5a_	Alignment	not modelled	98.4	13	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
71	d2ocpa1	Alignment	not modelled	98.4	14	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
72	d1k6ma1	Alignment	not modelled	98.4	13	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	c3umfA_	Alignment	not modelled	98.4	12	PDB header: transferase Chain: A; PDB Molecule: adenylate kinase; PDBTitle: schistosoma mansoni adenylate kinase
74	c5uivA_	Alignment	not modelled	98.4	18	PDB header: transferase Chain: A; PDB Molecule: bifunctional thymidylate/uridylate kinase; PDBTitle: structure of thymidylate kinase from <i>Candida albicans</i> reveals origin 2 of broad substrate specificity and a novel structural element.
75	c2jatA_	Alignment	not modelled	98.4	16	PDB header: transferase Chain: A; PDB Molecule: deoxyguanosine kinase; PDBTitle: structure of deoxyadenosine kinase from <i>M. mycoides</i> with 2 products dcmp and a flexible dcdp bound
76	c4dwjB_	Alignment	not modelled	98.4	16	PDB header: transferase Chain: B; PDB Molecule: thymidylate kinase; PDBTitle: crystal structure of thymidylate kinase from <i>Staphylococcus aureus</i> in 2 complex with thymidine monophosphate
77	d1bifa1	Alignment	not modelled	98.4	14	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
78	c2pbrB_	Alignment	not modelled	98.3	13	PDB header: transferase Chain: B; PDB Molecule: thymidylate kinase; PDBTitle: crystal structure of thymidylate kinase (aq_969) from <i>Aquifex aeolicus</i> 2 vf5
79	c4eunA_	Alignment	not modelled	98.3	16	PDB header: transferase Chain: A; PDB Molecule: thermoresistant glucokinase; PDBTitle: crystal structure of a sugar kinase (target efi-502144 from <i>Janibacter</i> 2 sp. htcc2649), unliganded structure
80	c3hdtB_	Alignment	not modelled	98.3	15	PDB header: structural genomics, unknown function Chain: B; PDB Molecule: putative kinase; PDBTitle: crystal structure of putative kinase from <i>Clostridium symbiosum</i> atcc2 14940
81	d3adka_	Alignment	not modelled	98.3	18	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
						Fold: P-loop containing nucleoside triphosphate hydrolases

82	d2iyva1	Alignment	not modelled	98.3	19	Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Shikimate kinase (AroK)
83	c2bwjC	Alignment	not modelled	98.3	15	PDB header: transferase Chain: C: PDB Molecule: adenylate kinase 5; PDBTitle: structure of adenylate kinase 5
84	d1vj5a2	Alignment	not modelled	98.2	17	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
85	d4tmka	Alignment	not modelled	98.2	18	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
86	c2ak3B	Alignment	not modelled	98.2	13	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
87	d1teva	Alignment	not modelled	98.2	19	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
88	d2bdta1	Alignment	not modelled	98.2	13	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Atu3015-like
89	d1p5zb	Alignment	not modelled	98.2	10	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
90	d1lukza	Alignment	not modelled	98.2	12	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
91	c2xb4A	Alignment	not modelled	98.2	17	PDB header: transferase Chain: A: PDB Molecule: adenylate kinase; PDBTitle: crystal structures of zinc containing adenylate kinase from2 desulfovibrio gigas
92	c2z0hA	Alignment	not modelled	98.2	20	PDB header: transferase Chain: A: PDB Molecule: thymidylate kinase; PDBTitle: crystal structure of thymidylate kinase in complex with dtdp2 and adp from thermotoga maritima
93	c5x7jA	Alignment	not modelled	98.2	14	PDB header: transferase Chain: A: PDB Molecule: thymidylate kinase; PDBTitle: crystal structure of thymidylate kinase from thermus thermophilus hb8
94	c3fdiA	Alignment	not modelled	98.2	10	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of uncharacterized protein from eubacterium2 ventriosum atcc 27560.
95	c6cy1B	Alignment	not modelled	98.2	24	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
96	d1zp6a1	Alignment	not modelled	98.2	16	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Atu3015-like
97	d1gsia	Alignment	not modelled	98.1	13	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
98	c6b8vA	Alignment	not modelled	98.1	23	PDB header: transferase Chain: A: PDB Molecule: adenylylsulfate kinase; PDBTitle: crystal structure of adenylyl-sulfate kinase from cryptococcus2 neoformans
99	c3be4A	Alignment	not modelled	98.1	15	PDB header: transferase Chain: A: PDB Molecule: adenylate kinase; PDBTitle: crystal structure of cryptosporidium parvum adenylate kinase cgd5_3360
100	c2iy3A	Alignment	not modelled	98.1	25	PDB header: rna-binding Chain: A: PDB Molecule: signal recognition particle protein,signal recognition PDBTitle: structure of the e. coli signal recognition particle
101	c5l3rC	Alignment	not modelled	98.1	18	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
102	c2j37W	Alignment	not modelled	98.1	18	PDB header: ribosome Chain: W: PDB Molecule: signal recognition particle 54 kda protein (srp54); PDBTitle: model of mammalian srp bound to 80s rncs
103	d1p3ja1	Alignment	not modelled	98.1	9	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
104	c5l3sF	Alignment	not modelled	98.1	18	PDB header: protein transport Chain: F: PDB Molecule: signal recognition particle receptor ftsy; PDBTitle: structure of the gtpase heterodimer of crenarchaeal srp54 and ftsy
105	c2wwiC	Alignment	not modelled	98.1	25	PDB header: transferase Chain: C: PDB Molecule: thymidylate kinase, putative; PDBTitle: plasmodium falciparum thymidylate kinase in complex with2 aztmp and adp
106	c2w0sB	Alignment	not modelled	98.1	9	PDB header: transferase Chain: B: PDB Molecule: thymidylate kinase; PDBTitle: crystal structure of vaccinia virus thymidylate kinase2 bound to brivudin-5'-monophosphate
107	c1vmaA	Alignment	not modelled	98.1	30	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
						PDB header: protein transport

108	c1zu4A_	Alignment	not modelled	98.1	14	Chain: A; PDB Molecule: ftsyt; PDBTitle: crystal structure of ftsyt from mycoplasma mycoides-space2 group p21212
109	c3b9qA_	Alignment	not modelled	98.0	20	PDB header: protein transport Chain: A; PDB Molecule: chloroplast srp receptor homolog, alpha subunit PDBTitle: the crystal structure of cpftsyt from arabidopsis thaliana
110	c3cr8C_	Alignment	not modelled	98.0	32	PDB header: transferase Chain: C; PDB Molecule: sulfate adenylyltransferase, adenylylsulfate kinase; PDBTitle: hexameric aps kinase from thiobacillus denitrificans
111	c3lv8A_	Alignment	not modelled	98.0	19	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
112	d1qzxa3	Alignment	not modelled	98.0	33	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nitrogenase iron protein-like
113	c1bifA_	Alignment	not modelled	98.0	14	PDB header: bifunctional enzyme Chain: A; PDB Molecule: 6-phosphofructo-2-kinase/ fructose-2,6-bisphosphatase; PDBTitle: 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase bifunctional2 enzyme complexed with atp-g-s and phosphate
114	d1s96a_	Alignment	not modelled	98.0	10	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
115	c3dmdA_	Alignment	not modelled	98.0	27	PDB header: transport protein Chain: A; PDB Molecule: signal recognition particle receptor; PDBTitle: structures and conformations in solution of the signal recognition2 particle receptor from the archaeon pyrococcus furiosus
116	c2yhsA_	Alignment	not modelled	98.0	33	PDB header: cell cycle Chain: A; PDB Molecule: cell division protein ftsyt; PDBTitle: structure of the e. coli srp receptor ftsyt
117	c3trfB_	Alignment	not modelled	98.0	18	PDB header: transferase Chain: B; PDB Molecule: shikimate kinase; PDBTitle: structure of a shikimate kinase (arok) from coxiella burnetii
118	c3zvmA_	Alignment	not modelled	98.0	17	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
119	d1qf9a_	Alignment	not modelled	98.0	20	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
120	c2qroB_	Alignment	not modelled	98.0	10	PDB header: transferase Chain: B; PDB Molecule: deoxycytidine kinase; PDBTitle: human deoxycytidine kinase damp, udp, mg ion product complex