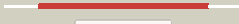



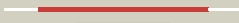




























Phyre2

Email mdejesus@rockefeller.edu
 Description RVBD0733_(adk)_826125_826670
 Date Fri Jul 26 01:50:30 BST 2019
 Unique Job ID d8392cd942a67fce

Detailed template information

| # | Template | Alignment Coverage | 3D Model | Confidence | % i.d. | Template Information |
|----|-------------------------|---|---|------------|--------|---|
| 1 | d2cdna1 |  Alignment |  | 100.0 | 99 | Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases |
| 2 | c2xb4A |  Alignment |  | 99.9 | 35 | PDB header: transferase Chain: A: PDB Molecule: adenylate kinase; PDBTitle: crystal structures of zinc containing adenylyate kinase from <i>Desulfovibrio gigas</i> |
| 3 | d1s3ga1 |  Alignment |  | 99.9 | 45 | Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases |
| 4 | d1ak2a1 |  Alignment |  | 99.9 | 43 | Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases |
| 5 | d1p3ja1 |  Alignment |  | 99.9 | 44 | Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases |
| 6 | c1s3gA |  Alignment |  | 99.9 | 46 | PDB header: transferase Chain: A: PDB Molecule: adenylate kinase; PDBTitle: crystal structure of adenylyate kinase from <i>Bacillus2 globisporus</i> |
| 7 | c5g3yA |  Alignment |  | 99.9 | 54 | PDB header: transferase Chain: A: PDB Molecule: adenylate kinase; PDBTitle: crystal structure of adenylyate kinase ancestor 1 with zn and adp bound |
| 8 | d1zina1 |  Alignment |  | 99.9 | 45 | Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases |
| 9 | c2eu8B |  Alignment |  | 99.9 | 45 | PDB header: transferase Chain: B: PDB Molecule: adenylate kinase; PDBTitle: crystal structure of a thermostable mutant of <i>Bacillus2 subtilis</i> adenylyate kinase (q199r) |
| 10 | c3akyA |  Alignment |  | 99.9 | 43 | PDB header: adenylate kinase Chain: A: PDB Molecule: adenylate kinase; PDBTitle: stability, activity and structure of adenylyate kinase2 mutants |
| 11 | c2ak2A |  Alignment |  | 99.9 | 44 | PDB header: phosphotransferase Chain: A: PDB Molecule: adenylate kinase isoenzyme-2; PDBTitle: adenylyate kinase isoenzyme-2 |

| | | | | | | |
|----|-------------------------|-----------|---|------|----|--|
| 12 | c3tlxA | Alignment |  | 99.9 | 40 | PDB header: transferase Chain: A: PDB Molecule: adenylate kinase 2; PDBTitle: crystal structure of pf10_0086, adenylate kinase from plasmodium2 falciparum |
| 13 | d1akya1 | Alignment |  | 99.9 | 41 | Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases |
| 14 | d1e4va1 | Alignment |  | 99.9 | 36 | Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases |
| 15 | c4nu0B | Alignment |  | 99.9 | 39 | PDB header: transferase Chain: B: PDB Molecule: adenylate kinase; PDBTitle: crystal structure of adenylate kinase from streptococcus pneumoniae2 with ap5a |
| 16 | c1ankA | Alignment |  | 99.9 | 45 | PDB header: transferase(phosphotransferase) Chain: A: PDB Molecule: adenylate kinase; PDBTitle: the closed conformation of a highly flexible protein: the structure of2 e. coli adenylate kinase with bound amp and amppnp |
| 17 | d1zaka1 | Alignment |  | 99.9 | 30 | Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases |
| 18 | c2bwjC | Alignment |  | 99.9 | 30 | PDB header: transferase Chain: C: PDB Molecule: adenylate kinase 5; PDBTitle: structure of adenylate kinase 5 |
| 19 | c4pzlC | Alignment |  | 99.8 | 42 | PDB header: transferase Chain: C: PDB Molecule: adenylate kinase; PDBTitle: the crystal structure of adenylate kinase from francisella tularensis2 subsp. tularensis schu s4 |
| 20 | c3cm0A | Alignment |  | 99.8 | 47 | PDB header: transferase Chain: A: PDB Molecule: adenylate kinase; PDBTitle: crystal structure of adenylate kinase from thermophilus hb8 |
| 21 | d1teva | Alignment | not modelled | 99.8 | 27 | Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases |
| 22 | c3be4A | Alignment | not modelled | 99.8 | 35 | PDB header: transferase Chain: A: PDB Molecule: adenylate kinase; PDBTitle: crystal structure of cryptosporidium parvum adenylate kinase cgd5_3360 |
| 23 | c2ar7A | Alignment | not modelled | 99.8 | 31 | PDB header: transferase Chain: A: PDB Molecule: adenylate kinase 4; PDBTitle: crystal structure of human adenylate kinase 4, ak4 |
| 24 | c2rh5B | Alignment | not modelled | 99.8 | 47 | PDB header: transferase Chain: B: PDB Molecule: adenylate kinase; PDBTitle: structure of apo adenylate kinase from aquifex aeolicus |
| 25 | d1qf9a | Alignment | not modelled | 99.8 | 29 | Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases |
| 26 | c2ak3B | Alignment | not modelled | 99.8 | 33 | 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 |
| 27 | c3gmtB | Alignment | not modelled | 99.8 | 51 | PDB header: transferase Chain: B: PDB Molecule: adenylate kinase; PDBTitle: crystal structure of adenylate kinase from burkholderia pseudomallei |
| 28 | c3umfA | Alignment | not modelled | 99.8 | 32 | PDB header: transferase Chain: A: PDB Molecule: adenylate kinase; PDBTitle: schistosoma mansoni adenylate kinase |
| | | | | | | PDB header: transferase |

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|----|-------------------------|-----------|--------------|------|----|--|
| 29 | c1zakB_ | Alignment | not modelled | 99.8 | 30 | Chain: B: PDB Molecule: adenylate kinase; PDBTitle: adenylyate kinase from maize in complex with the inhibitor2 p1,p5-bis(adenosine-5'-)pentaphosphate (ap5a) |
| 30 | d3adka_ | Alignment | not modelled | 99.8 | 29 | Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases |
| 31 | d1ukza_ | Alignment | not modelled | 99.8 | 27 | Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases |
| 32 | d2ak3a1 | Alignment | not modelled | 99.8 | 32 | Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases |
| 33 | d1e6ca_ | Alignment | not modelled | 99.8 | 17 | Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Shikimate kinase (AroK) |
| 34 | c2z0hA_ | Alignment | not modelled | 99.7 | 14 | PDB header: transferase Chain: A: PDB Molecule: thymidylate kinase; PDBTitle: crystal structure of thymidylate kinase in complex with dtdp2 and adp from thermotoga maritima |
| 35 | c4eunA_ | Alignment | not modelled | 99.7 | 17 | PDB header: transferase Chain: A: PDB Molecule: thermoreistant glucokinase; PDBTitle: crystal structure of a sugar kinase (target efi-502144 from janibacter2 sp. htcc2649), unliganded structure |
| 36 | c2h92C_ | Alignment | not modelled | 99.7 | 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 |
| 37 | d1knqa_ | Alignment | not modelled | 99.7 | 17 | Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Glucanate kinase |
| 38 | c2ql6H_ | Alignment | not modelled | 99.7 | 11 | PDB header: signaling protein,transferase Chain: H: PDB Molecule: nicotinamide riboside kinase 1; PDBTitle: human nicotinamide riboside kinase (nrk1) |
| 39 | c2plrB_ | Alignment | not modelled | 99.7 | 17 | PDB header: transferase Chain: B: PDB Molecule: probable thymidylate kinase; PDBTitle: crystal structure of dtmp kinase (st1543) from sulfolobus tokodaii2 strain7 |
| 40 | c3t61A_ | Alignment | not modelled | 99.7 | 20 | PDB header: transferase Chain: A: PDB Molecule: gluconokinase; PDBTitle: crystal structure of a gluconokinase from sinorhizobium meliloti 1021 |
| 41 | c3vaaC_ | Alignment | not modelled | 99.7 | 19 | PDB header: transferase Chain: C: PDB Molecule: shikimate kinase; PDBTitle: 1.7 angstrom resolution crystal structure of shikimate kinase from2 bacteroides thetaiotaomicron |
| 42 | c2pbrB_ | Alignment | not modelled | 99.7 | 22 | PDB header: transferase Chain: B: PDB Molecule: thymidylate kinase; PDBTitle: crystal structure of thymidylate kinase (aq_969) from aquifex aeolicus2 vf5 |
| 43 | c2pt5D_ | Alignment | not modelled | 99.7 | 20 | PDB header: transferase Chain: D: PDB Molecule: shikimate kinase; PDBTitle: crystal structure of shikimate kinase (aq_2177) from aquifex aeolicus2 vf5 |
| 44 | d4tmka_ | Alignment | not modelled | 99.7 | 19 | Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases |
| 45 | c4dwjB_ | Alignment | not modelled | 99.7 | 18 | PDB header: transferase Chain: B: PDB Molecule: thymidylate kinase; PDBTitle: crystal structure of thymidylate kinase from staphylococcus aureus in2 complex with thymidine monophosphate |
| 46 | d1q3ta_ | 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 |
| 47 | c1zuiA_ | Alignment | not modelled | 99.7 | 17 | PDB header: transferase Chain: A: PDB Molecule: shikimate kinase; PDBTitle: structural basis for shikimate-binding specificity of helicobacter2 pylori shikimate kinase |
| 48 | c2jatA_ | Alignment | not modelled | 99.7 | 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 |
| 49 | d1qgia_ | Alignment | not modelled | 99.7 | 19 | Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases |
| 50 | c3akcA_ | Alignment | not modelled | 99.7 | 22 | 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 |
| 51 | d1y63a_ | Alignment | not modelled | 99.7 | 22 | Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases |
| 52 | c5x7jA_ | Alignment | not modelled | 99.7 | 19 | PDB header: transferase Chain: A: PDB Molecule: thymidylate kinase; PDBTitle: crystal structure of thymidylate kinase from thermus thermophilus hb8 |
| 53 | c2ccjA_ | Alignment | not modelled | 99.6 | 18 | PDB header: transferase Chain: A: PDB Molecule: thymidylate kinase; PDBTitle: crystal structure of s. aureus thymidylate kinase complexed2 with thymidine monophosphate |
| 54 | c3trfB_ | Alignment | not modelled | 99.6 | 13 | PDB header: transferase Chain: B: PDB Molecule: shikimate kinase; PDBTitle: structure of a shikimate kinase (arok) from coxiella burnetii |
| 55 | d1viaa_ | Alignment | not modelled | 99.6 | 15 | Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Shikimate kinase (AroK) |

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|----|-------------------------|-----------|--------------|------|----|---|
| 56 | c4cw7A_ | Alignment | not modelled | 99.6 | 18 | PDB header: transferase Chain: A: PDB Molecule: putative adenylate kinase; PDBTitle: structure of the fap7-rps14 complex in complex with atp |
| 57 | c4y0aA_ | Alignment | not modelled | 99.6 | 18 | PDB header: transferase/transferase inhibitor Chain: A: PDB Molecule: shikimate kinase; PDBTitle: shikimate kinase from acinetobacter baumannii in complex with2 shikimate |
| 58 | d1p5zb_ | 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 |
| 59 | c5uivA_ | Alignment | not modelled | 99.6 | 16 | PDB header: transferase Chain: A: PDB Molecule: bifunctional thymidylate/uridylate kinase; PDBTitle: structure of thymidylate kinase from candida albicans reveals origin2 of broad substrate specificity and a novel structural element. |
| 60 | c2vliB_ | Alignment | not modelled | 99.6 | 17 | PDB header: transferase Chain: B: PDB Molecule: antibiotic resistance protein; PDBTitle: structure of deinococcus radiodurans tunicamycin resistance protein |
| 61 | c3h0kA_ | Alignment | not modelled | 99.6 | 16 | PDB header: structural genomics, unknown function Chain: A: PDB Molecule: upf0200 protein sso1041; PDBTitle: crystal structure of an adenylated kinase related protein from2 sulfolobus solfataricus to 3.25a |
| 62 | d2iyva1 | Alignment | not modelled | 99.6 | 19 | Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Shikimate kinase (AroK) |
| 63 | d1kaga_ | Alignment | not modelled | 99.6 | 15 | Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Shikimate kinase (AroK) |
| 64 | c2qroB_ | Alignment | not modelled | 99.6 | 12 | PDB header: transferase Chain: B: PDB Molecule: deoxycytidine kinase; PDBTitle: human deoxycytidine kinase damp, udp, mg ion product complex |
| 65 | c2if2C_ | Alignment | not modelled | 99.6 | 19 | 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. |
| 66 | c2rhmD_ | Alignment | not modelled | 99.6 | 16 | 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 |
| 67 | d1nksa_ | Alignment | not modelled | 99.6 | 12 | Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases |
| 68 | d1khta_ | 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 |
| 69 | d1jva_ | 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 |
| 70 | c3nwbJ_ | Alignment | not modelled | 99.6 | 16 | PDB header: transferase Chain: B: PDB Molecule: atsk2; PDBTitle: crystal structure of shikimate kinase from arabidopsis thaliana2 (atsk2) |
| 71 | d1ki9a_ | 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 |
| 72 | d1uf9a_ | 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 |
| 73 | d1vhta_ | Alignment | not modelled | 99.6 | 21 | Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases |
| 74 | c3uwoA_ | Alignment | not modelled | 99.6 | 23 | 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 |
| 75 | c4zo4A_ | Alignment | not modelled | 99.6 | 11 | PDB header: transferase Chain: A: PDB Molecule: dephospho-coa kinase; PDBTitle: dephospho-coa kinase from campylobacter jejuni. |
| 76 | c5lnkk_ | Alignment | not modelled | 99.6 | 14 | PDB header: oxidoreductase Chain: K: PDB Molecule: mitochondrial complex i, nd4l subunit; PDBTitle: entire ovine respiratory complex i |
| 77 | c2w0sB_ | Alignment | not modelled | 99.6 | 15 | PDB header: transferase Chain: B: PDB Molecule: thymidylate kinase; PDBTitle: crystal structure of vaccinia virus thymidylate kinase2 bound to brivudin-5'-monophosphate |
| 78 | d2ocpa1 | 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 |
| 79 | d1ckea_ | Alignment | not modelled | 99.6 | 20 | Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases |
| 80 | d1nn5a_ | 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 |
| 81 | d1tmka_ | 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 |
| | | | | | | PDB header: transferase |

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|-----|--------------------------|-----------|--------------|------|----|--|
| 82 | c4ttrA_ | Alignment | not modelled | 99.5 | 17 | Chain: A: PDB Molecule: dephospho-coa kinase; PDBTitle: crystal structure of legionella pneumophila dephospho-coa kinase in2 complex with bu2 |
| 83 | c3lv8A_ | Alignment | not modelled | 99.5 | 20 | 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 |
| 84 | c4i1vB_ | Alignment | not modelled | 99.5 | 13 | PDB header: transferase Chain: B: PDB Molecule: dephospho-coa kinase; PDBTitle: crystal structure of a dephospho-coa kinase from burkholderia2 vietnamiensis bound to adp |
| 85 | d1rkba_ | Alignment | not modelled | 99.5 | 23 | Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases |
| 86 | c3hdtB_ | Alignment | not modelled | 99.5 | 14 | PDB header: structural genomics, unknown function Chain: B: PDB Molecule: putative kinase; PDBTitle: crystal structure of putative kinase from clostridium symbiosum atcc2 14940 |
| 87 | c2wwiC_ | Alignment | not modelled | 99.5 | 15 | PDB header: transferase Chain: C: PDB Molecule: thymidilate kinase, putative; PDBTitle: plasmodium falciparum thymidylate kinase in complex with2 aztmp and adp |
| 88 | c2ia5C_ | Alignment | not modelled | 99.5 | 15 | PDB header: transferase Chain: C: PDB Molecule: polynucleotide kinase; PDBTitle: t4 polynucleotide kinase/phosphatase with bound sulfate and magnesium. |
| 89 | c3r8cB_ | Alignment | not modelled | 99.5 | 23 | PDB header: transferase Chain: B: PDB Molecule: cytidylate kinase; PDBTitle: crystal structure of cytidylate kinase (cmk) from mycobacterium2 abscessus |
| 90 | c2grjH_ | Alignment | not modelled | 99.5 | 16 | 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 |
| 91 | c2f6rA_ | Alignment | not modelled | 99.5 | 13 | 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 |
| 92 | 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. |
| 93 | c2vp4D_ | Alignment | not modelled | 99.5 | 16 | 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 |
| 94 | c6n39A_ | Alignment | not modelled | 99.5 | 16 | PDB header: transferase Chain: A: PDB Molecule: dephospho-coa kinase; PDBTitle: crystal structure of an dephospho-coa kinase coae from mycobacterium2 paratuberculosis |
| 95 | d2bdta1 | Alignment | not modelled | 99.5 | 16 | Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Atu3015-like |
| 96 | c1ly1A_ | Alignment | not modelled | 99.4 | 16 | PDB header: transferase Chain: A: PDB Molecule: polynucleotide kinase; PDBTitle: structure and mechanism of t4 polynucleotide kinase |
| 97 | d1ly1a_ | Alignment | not modelled | 99.4 | 16 | Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases |
| 98 | c4bzpB_ | Alignment | not modelled | 99.4 | 13 | PDB header: transferase Chain: B: PDB Molecule: bifunctional enzyme cysn/cytc; PDBTitle: structure of the mycobacterium tuberculosis aps kinase cysc2 in complex with adp |
| 99 | d2vp4a1 | Alignment | not modelled | 99.4 | 16 | Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases |
| 100 | d1qhx_a_ | Alignment | not modelled | 99.4 | 16 | Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Chloramphenicol phosphotransferase |
| 101 | c3asyB_ | Alignment | not modelled | 99.4 | 15 | PDB header: transferase Chain: B: PDB Molecule: uridine kinase; PDBTitle: ligand-free structure of uridine kinase from thermus thermophilus hb8 |
| 102 | c2yvua_ | Alignment | not modelled | 99.4 | 15 | PDB header: transferase Chain: A: PDB Molecule: probable adenylyl-sulfate kinase; PDBTitle: crystal structure of ape1195 |
| 103 | c6qp0A_ | Alignment | not modelled | 99.4 | 12 | 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 |
| 104 | d1bifa1 | Alignment | not modelled | 99.3 | 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 |
| 105 | c3v9pA_ | Alignment | not modelled | 99.3 | 14 | PDB header: transferase Chain: A: PDB Molecule: thymidylate kinase; PDBTitle: crystal structure of thymidylate kinase from burkholderia2 thailandensis |
| 106 | c4gp6A_ | Alignment | not modelled | 99.3 | 18 | PDB header: transferase Chain: A: PDB Molecule: metallophosphoesterase; PDBTitle: polynucleotide kinase |
| 107 | d1m7gb_ | Alignment | not modelled | 99.3 | 13 | Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Adenosine-5'phosphosulfate kinase (APS kinase) |

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|-----|-------------------------|-----------|--------------|------|----|---|
| 108 | c1ueiB_ | Alignment | not modelled | 99.3 | 12 | 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 |
| 109 | d1uj2a_ | Alignment | not modelled | 99.3 | 11 | Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Phosphoribulokinase/pantothenate kinase |
| 110 | d1zp6a1 | Alignment | not modelled | 99.3 | 16 | Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Atu3015-like |
| 111 | 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 |
| 112 | c3ueiB_ | Alignment | not modelled | 99.3 | 16 | 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 amppnp and aps |
| 113 | c3ch4B_ | Alignment | not modelled | 99.3 | 11 | PDB header: transferase Chain: B: PDB Molecule: phosphomevalonate kinase; PDBTitle: the crystal structure of human phosphomavelonate kinase at2 1.8 a resolution |
| 114 | d1k6ma1 | Alignment | not modelled | 99.2 | 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 |
| 115 | d1m7ga_ | Alignment | not modelled | 99.2 | 13 | Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Adenosine-5'phosphosulfate kinase (APS kinase) |
| 116 | c3ld9D_ | Alignment | not modelled | 99.2 | 18 | PDB header: transferase Chain: D: PDB Molecule: thymidylate kinase; PDBTitle: crystal structure of thymidylate kinase from ehrlichia chaffeensis at2 2.15a resolution |
| 117 | d1znwa1 | Alignment | not modelled | 99.2 | 24 | Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases |
| 118 | c1bifA_ | Alignment | not modelled | 99.2 | 18 | 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 |
| 119 | c5cb6A_ | Alignment | not modelled | 99.2 | 14 | PDB header: transferase Chain: A: PDB Molecule: probable adenylyl-sulfate kinase; PDBTitle: structure of adenosine-5'-phosphosulfate kinase |
| 120 | c1znyA_ | Alignment | not modelled | 99.2 | 21 | PDB header: transferase Chain: A: PDB Molecule: guanylate kinase; PDBTitle: crystal structure of mycobacterium tuberculosis guanylate kinase in2 complex with gdp |