



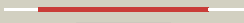












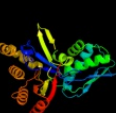






#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c1oj4B_	 Alignment		100.0	98	PDB header: transferase Chain: B: PDB Molecule: 4-diphosphocytidyl-2-c-methyl-d-erythritol PDBTitle: ternary complex of 2 4-diphosphocytidyl-2-c-methyl-d-erythritol kinase
2	c1uekA_	 Alignment		100.0	36	PDB header: transferase Chain: A: PDB Molecule: 4-(cytidine 5'-diphospho)-2c-methyl-d-erythritol PDBTitle: crystal structure of 4-(cytidine 5'-diphospho)-2c-methyl-d-2 erythritol kinase
3	c2v34B_	 Alignment		100.0	30	PDB header: transferase Chain: B: PDB Molecule: 4-diphosphocytidyl-2c-methyl-d-erythritol kinase; PDBTitle: ispe in complex with cytidine and ligand
4	d1oj4a1	 Alignment		100.0	97	Fold: Ribosomal protein S5 domain 2-like Superfamily: Ribosomal protein S5 domain 2-like Family: GHMP Kinase, N-terminal domain
5	c1fwlD_	 Alignment		100.0	20	PDB header: transferase Chain: D: PDB Molecule: homoserine kinase; PDBTitle: crystal structure of homoserine kinase
6	d1ueka1	 Alignment		100.0	44	Fold: Ribosomal protein S5 domain 2-like Superfamily: Ribosomal protein S5 domain 2-like Family: GHMP Kinase, N-terminal domain
7	c3hulA_	 Alignment		100.0	17	PDB header: transferase Chain: A: PDB Molecule: homoserine kinase; PDBTitle: structure of putative homoserine kinase thrb from listeria2 monocytogenes
8	c2gs8A_	 Alignment		100.0	14	PDB header: lyase Chain: A: PDB Molecule: mevalonate pyrophosphate decarboxylase; PDBTitle: structure of mevalonate pyrophosphate decarboxylase from streptococcus2 pyogenes
9	c2hfuB_	 Alignment		100.0	15	PDB header: transferase Chain: B: PDB Molecule: mevalonate kinase, putative; PDBTitle: crystal structure of l. major mevalonate kinase in complex2 with r-mevalonate
10	c1kkhA_	 Alignment		100.0	18	PDB header: transferase Chain: A: PDB Molecule: mevalonate kinase; PDBTitle: crystal structure of the methanococcus jannaschii2 mevalonate kinase
11	c2x7iA_	 Alignment		100.0	16	PDB header: transferase Chain: A: PDB Molecule: mevalonate kinase; PDBTitle: crystal structure of mevalonate kinase from methicillin-2 resistant staphylococcus aureus mrsa252

12	c2hk3A_	Alignment		100.0	15	PDB header: lyase Chain: A: PDB Molecule: diphosphomevalonate decarboxylase; PDBTitle: crystal structure of mevalonate diphosphate decarboxylase2 from staphylococcus aureus (orthorhombic form)
13	c2oi2A_	Alignment		100.0	15	PDB header: transferase Chain: A: PDB Molecule: mevalonate kinase; PDBTitle: streptococcus pneumoniae mevalonate kinase in complex with2 diphosphomevalonate
14	c2cz9A_	Alignment		100.0	22	PDB header: transferase Chain: A: PDB Molecule: probable galactokinase; PDBTitle: crystal structure of galactokinase from pyrococcus horikoshi
15	c3k17A_	Alignment		100.0	15	PDB header: transferase Chain: A: PDB Molecule: lin0012 protein; PDBTitle: crystal structure of a lin0012 protein from listeria innocua
16	c3ltoB_	Alignment		100.0	16	PDB header: lyase Chain: B: PDB Molecule: mevalonate diphosphate decarboxylase; PDBTitle: crystal structure of a mevalonate diphosphate decarboxylase2 from legionella pneumophila
17	c3k85B_	Alignment		100.0	16	PDB header: transferase Chain: B: PDB Molecule: d-glycero-d-manno-heptose 1-phosphate kinase; PDBTitle: crystal structure of a d-glycero-d-manno-heptose 1-phosphate2 kinase from bacteriodes thetaiotaomicron
18	c2r42A_	Alignment		100.0	20	PDB header: transferase Chain: A: PDB Molecule: mevalonate kinase; PDBTitle: the biochemical and structural basis for feedback2 inhibition of mevalonate kinase and isoprenoid metabolism
19	c1pieA_	Alignment		100.0	20	PDB header: transferase Chain: A: PDB Molecule: galactokinase; PDBTitle: crystal structure of lactococcus lactis galactokinase2 complexed with galactose
20	c1k47F_	Alignment		100.0	16	PDB header: transferase Chain: F: PDB Molecule: phosphomevalonate kinase; PDBTitle: crystal structure of the streptococcus pneumoniae2 phosphomevalonate kinase (pmk)
21	c1wuua_	Alignment	not modelled	100.0	21	PDB header: transferase Chain: A: PDB Molecule: galactokinase; PDBTitle: crystal structure of human galactokinase complexed with2 mgampnp and galactose
22	c2a2cA_	Alignment	not modelled	100.0	22	PDB header: transferase Chain: A: PDB Molecule: n-acetylgalactosamine kinase; PDBTitle: x-ray structure of human n-acetyl galactosamine kinase2 complexed with mg-adp and n-acetyl galactosamine 1-3 phosphate
23	c2aj4B_	Alignment	not modelled	100.0	23	PDB header: transferase Chain: B: PDB Molecule: galactokinase; PDBTitle: crystal structure of saccharomyces cerevisiae galactokinase2 in complex with galactose and mg:ampnp
24	d1oj4a2	Alignment	not modelled	100.0	98	Fold: Ferredoxin-like Superfamily: GHMP Kinase, C-terminal domain Family: 4-(cytidine 5'-di-phospho)-2C-methyl-D-erythritol kinase lrpE
25	d1h72c1	Alignment	not modelled	100.0	20	Fold: Ribosomal protein S5 domain 2-like Superfamily: Ribosomal protein S5 domain 2-like Family: GHMP Kinase, N-terminal domain
26	d1kkha1	Alignment	not modelled	99.9	20	Fold: Ribosomal protein S5 domain 2-like Superfamily: Ribosomal protein S5 domain 2-like Family: GHMP Kinase, N-terminal domain
27	c2hkeB_	Alignment	not modelled	99.9	18	PDB header: lyase Chain: B: PDB Molecule: diphosphomevalonate decarboxylase, putative; PDBTitle: mevalonate diphosphate decarboxylase from trypanosoma brucei
28	d1fi4a1	Alignment	not modelled	99.9	17	Fold: Ribosomal protein S5 domain 2-like Superfamily: Ribosomal protein S5 domain 2-like Family: GHMP Kinase, N-terminal domain

29	d1piea1	Alignment	not modelled	99.9	24	Fold: Ribosomal protein S5 domain 2-like Superfamily: Ribosomal protein S5 domain 2-like Family: GHMP Kinase, N-terminal domain
30	d1k47a1	Alignment	not modelled	99.9	18	Fold: Ribosomal protein S5 domain 2-like Superfamily: Ribosomal protein S5 domain 2-like Family: GHMP Kinase, N-terminal domain
31	d1wuua1	Alignment	not modelled	99.9	23	Fold: Ribosomal protein S5 domain 2-like Superfamily: Ribosomal protein S5 domain 2-like Family: GHMP Kinase, N-terminal domain
32	d1ueka2	Alignment	not modelled	99.9	24	Fold: Ferredoxin-like Superfamily: GHMP Kinase, C-terminal domain Family: 4-(cytidine 5'-diphospho)-2C-methyl-D-erythritol kinase IspE
33	d1s4ea1	Alignment	not modelled	99.8	22	Fold: Ribosomal protein S5 domain 2-like Superfamily: Ribosomal protein S5 domain 2-like Family: GHMP Kinase, N-terminal domain
34	d1kvka1	Alignment	not modelled	99.8	25	Fold: Ribosomal protein S5 domain 2-like Superfamily: Ribosomal protein S5 domain 2-like Family: GHMP Kinase, N-terminal domain
35	d1h72c2	Alignment	not modelled	99.7	14	Fold: Ferredoxin-like Superfamily: GHMP Kinase, C-terminal domain Family: Homoserine kinase
36	c1fi4A_	Alignment	not modelled	99.5	15	PDB header: lyase Chain: A: PDB Molecule: mevalonate 5-diphosphate decarboxylase; PDBTitle: the x-ray crystal structure of mevalonate 5-diphosphate decarboxylase2 at 2.3 angstrom resolution.
37	c3f0nB_	Alignment	not modelled	99.1	15	PDB header: lyase Chain: B: PDB Molecule: mevalonate pyrophosphate decarboxylase; PDBTitle: mus musculus mevalonate pyrophosphate decarboxylase
38	d1kvka2	Alignment	not modelled	98.6	14	Fold: Ferredoxin-like Superfamily: GHMP Kinase, C-terminal domain Family: Mevalonate kinase
39	d1k47a2	Alignment	not modelled	98.6	12	Fold: Ferredoxin-like Superfamily: GHMP Kinase, C-terminal domain Family: Phosphomevalonate kinase (PMK)
40	d1kkha2	Alignment	not modelled	98.4	17	Fold: Ferredoxin-like Superfamily: GHMP Kinase, C-terminal domain Family: Mevalonate kinase
41	d1s4ea2	Alignment	not modelled	97.8	21	Fold: Ferredoxin-like Superfamily: GHMP Kinase, C-terminal domain Family: Galactokinase
42	d1wuua2	Alignment	not modelled	97.5	18	Fold: Ferredoxin-like Superfamily: GHMP Kinase, C-terminal domain Family: Galactokinase
43	d1piea2	Alignment	not modelled	97.4	15	Fold: Ferredoxin-like Superfamily: GHMP Kinase, C-terminal domain Family: Galactokinase
44	c3mnfA_	Alignment	not modelled	20.3	21	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: pac2 family protein; PDBTitle: crystal structure of pac2 family protein from streptomyces avermitilis2 ma
45	d1xxaa_	Alignment	not modelled	18.5	13	Fold: DCoH-like Superfamily: C-terminal domain of arginine repressor Family: C-terminal domain of arginine repressor
46	d1b4ba_	Alignment	not modelled	15.8	17	Fold: DCoH-like Superfamily: C-terminal domain of arginine repressor Family: C-terminal domain of arginine repressor
47	c3gaaB_	Alignment	not modelled	15.1	21	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: uncharacterized protein ta1441; PDBTitle: the crystal structure of the protein with unknown function from2 thermoplasma acidophilum
48	d2p90a1	Alignment	not modelled	14.4	10	Fold: Phosphorylase/hydrolase-like Superfamily: Cgl1923-like Family: Cgl1923-like
49	c2p90B_	Alignment	not modelled	13.4	10	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: hypothetical protein cgl1923; PDBTitle: the crystal structure of a protein of unknown function from2 corynebacterium glutamicum atcc 13032
50	c3cagF_	Alignment	not modelled	12.6	11	PDB header: dna binding protein Chain: F: PDB Molecule: arginine repressor; PDBTitle: crystal structure of the oligomerization domain hexamer of the2 arginine repressor protein from mycobacterium tuberculosis in complex3 with 9 arginines.
51	c3fuxB_	Alignment	not modelled	11.2	21	PDB header: transferase Chain: B: PDB Molecule: dimethyladenosine transferase; PDBTitle: t. thermophilus 16s rrna a1518 and a1519 methyltransferase (ksga) in2 complex with 5'-methylthioadenosine in space group p212121
52	c2wamB_	Alignment	not modelled	10.9	21	PDB header: unknown function Chain: B: PDB Molecule: conserved hypothetical alanine and leucine rich PDBTitle: crystal structure of mycobacterium tuberculosis unknown2 function protein rv2714
53	d2p5ma1	Alignment	not modelled	10.9	13	Fold: DCoH-like Superfamily: C-terminal domain of arginine repressor Family: C-terminal domain of arginine repressor
54	c3e0dA_	Alignment	not modelled	10.7	17	PDB header: transferase/dna Chain: A: PDB Molecule: dna polymerase iii subunit alpha; PDBTitle: insights into the replisome from the crystal structure of2 the ternary complex of the eubacterial dna polymerase iii3 alpha-

					subunit
55	d1yrxa1	Alignment	not modelled	10.2	11 Fold: Ferredoxin-like Superfamily: Acylphosphatase/BLUF domain-like Family: BLUF domain
56	d1a6qa1	Alignment	not modelled	8.5	35 Fold: Another 3-helical bundle Superfamily: Protein serine/threonine phosphatase 2C, C-terminal domain Family: Protein serine/threonine phosphatase 2C, C-terminal domain
57	d2byca1	Alignment	not modelled	8.5	10 Fold: Ferredoxin-like Superfamily: Acylphosphatase/BLUF domain-like Family: BLUF domain
58	c2hnhA	Alignment	not modelled	8.3	25 PDB header: transferase Chain: A: PDB Molecule: dna polymerase iii alpha subunit; PDBTitle: crystal structure of the catalytic alpha subunit of e. coli2 replicative dna polymerase iii
59	c2diuA	Alignment	not modelled	8.1	13 PDB header: rna binding protein Chain: A: PDB Molecule: kiaa0430 protein; PDBTitle: solution structure of the rrm domain of kiaa0430 protein
60	c3m05A	Alignment	not modelled	8.1	18 PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein pepe_1480; PDBTitle: the crystal structure of a functionally unknown protein2 pepe_1480 from pediococcus pentosaceus atcc 25745
61	d1o51a	Alignment	not modelled	8.1	17 Fold: Ferredoxin-like Superfamily: GlnB-like Family: DUF190/COG1993
62	c2hfnJ	Alignment	not modelled	7.8	13 PDB header: electron transport Chain: J: PDB Molecule: synechocystis photoreceptor (slr1694); PDBTitle: crystal structures of the synechocystis photoreceptor slr1694 reveal2 distinct structural states related to signaling
63	d1mwqa	Alignment	not modelled	6.2	24 Fold: Ferredoxin-like Superfamily: Dimeric alpha+beta barrel Family: YciI-like
64	c3v4gA	Alignment	not modelled	5.8	13 PDB header: dna binding protein Chain: A: PDB Molecule: arginine repressor; PDBTitle: 1.60 angstrom resolution crystal structure of an arginine repressor2 from vibrio vulnificus cmcp6
65	d1vkra	Alignment	not modelled	5.6	14 Fold: Phosphotyrosine protein phosphatases I-like Superfamily: PTS system IIB component-like Family: PTS system, Lactose/Cellobiose specific IIB subunit
66	c1vkrA	Alignment	not modelled	5.6	14 PDB header: transferase Chain: A: PDB Molecule: mannitol-specific pts system enzyme iiabc components; PDBTitle: structure of iib domain of the mannitol-specific permease enzyme ii
67	d8ohma2	Alignment	not modelled	5.5	14 Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: RNA helicase
68	d2gdwa1	Alignment	not modelled	5.4	26 Fold: Acyl carrier protein-like Superfamily: ACP-like Family: Peptidyl carrier domain