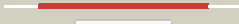



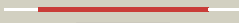



















Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD0295c (-) _358945_359748
Date	Tue Jul 23 14:50:36 BST 2019
Unique Job ID	2720586f3fe8a435

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c2zq5A_	 Alignment		100.0	13	PDB header: transferase Chain: A: PDB Molecule: putative uncharacterized protein; PDBTitle: crystal structure of sulfotransferase stf1 from2 mycobacterium tuberculosis h37rv (type1 form)
2	c2z6vA_	 Alignment		100.0	10	PDB header: unknown function Chain: A: PDB Molecule: putative uncharacterized protein; PDBTitle: crystal structure of sulfotransferase stf9 from2 mycobacterium avium
3	d1texa_	 Alignment		100.0	69	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: PAPS sulfotransferase
4	c3ap3A_	 Alignment		100.0	14	PDB header: transferase Chain: A: PDB Molecule: protein-tyrosine sulfotransferase 2; PDBTitle: crystal structure of human tyrosylprotein sulfotransferase-2 complexed2 with pap
5	c4gbmA_	 Alignment		100.0	12	PDB header: transferase Chain: A: PDB Molecule: curm sulfotransferase; PDBTitle: sulfotransferase domain from the curacin biosynthetic pathway
6	c4goxA_	 Alignment		99.9	15	PDB header: transferase Chain: A: PDB Molecule: polyketide synthase; PDBTitle: sulfotransferase domain from the synechococcus pcc 7002 olefin2 synthase
7	d1vkja_	 Alignment		99.9	12	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: PAPS sulfotransferase
8	c1vkja_	 Alignment		99.9	12	PDB header: transferase Chain: A: PDB Molecule: heparan sulfate (glucosamine) 3-o-sulfotransferase 1; PDBTitle: crystal structure of heparan sulfate 3-o-sulfotransferase isoform 1 in2 the presence of pap
9	d1t8ta_	 Alignment		99.9	12	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: PAPS sulfotransferase
10	c3rnIA_	 Alignment		99.9	12	PDB header: transferase Chain: A: PDB Molecule: sulfotransferase; PDBTitle: crystal structure of sulfotransferase from alicyclobacillus2 acidocaldarius
11	c1nstA_	 Alignment		99.9	11	PDB header: sulfotransferase Chain: A: PDB Molecule: heparan sulfate n-deacetylase/n-sulfotransferase; PDBTitle: the sulfotransferase domain of human haparin sulfate n-deacetylase/n-2 sulfotransferase

12	d1nsta_	Alignment		99.9	11	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: PAPS sulfotransferase
13	c3bd9A_	Alignment		99.9	11	PDB header: transferase Chain: A: PDB Molecule: heparan sulfate glucosamine 3-o-sulfotransferase PDBTitle: human 3-o-sulfotransferase isoform 5 with bound pap
14	d1fmja_	Alignment		99.9	16	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: PAPS sulfotransferase
15	c2gwhA_	Alignment		99.9	12	PDB header: transferase Chain: A: PDB Molecule: sulfotransferase 1c2; PDBTitle: human sulfotransferase sult1c2 in complex with pap and2 pentachlorophenol
16	c3mg9A_	Alignment		99.9	12	PDB header: transferase/antibiotic Chain: A: PDB Molecule: teg12; PDBTitle: teg 12 binary structure complexed with the teicoplanin aglycone
17	d1j99a_	Alignment		99.9	13	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: PAPS sulfotransferase
18	d1xv1a_	Alignment		99.9	14	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: PAPS sulfotransferase
19	d1ls6a_	Alignment		99.9	15	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: PAPS sulfotransferase
20	c3u3oA_	Alignment		99.9	15	PDB header: transferase Chain: A: PDB Molecule: sulfotransferase 1a1; PDBTitle: crystal structure of human sult1a1 bound to pap and two 3-cyano-7-2 hydroxycoumarin
21	c5x2bK_	Alignment	not modelled	99.9	11	PDB header: transferase Chain: K: PDB Molecule: sulfotransferase; PDBTitle: crystal structure of mouse sulfotransferase sult7a1 complexed with pap
22	c2ovfA_	Alignment	not modelled	99.9	15	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: stal; PDBTitle: crystal structure of stal-pap complex
23	c1q1qA_	Alignment	not modelled	99.9	15	PDB header: transferase Chain: A: PDB Molecule: sulfotransferase family, cytosolic, 2b, member 1 isoform a; PDBTitle: crystal structure of human pregnenolone sulfotransferase (sult2b1a) in2 the presence of pap
24	d1q20a_	Alignment	not modelled	99.9	15	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: PAPS sulfotransferase
25	c2zvpX_	Alignment	not modelled	99.9	13	PDB header: transferase Chain: X: PDB Molecule: tyrosine-ester sulfotransferase; PDBTitle: crystal structure of mouse cytosolic sulfotransferase msult1d1 complex2 with pap and p-nitrophenol
26	d1g3ma_	Alignment	not modelled	99.9	12	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: PAPS sulfotransferase
27	d2a3ra1	Alignment	not modelled	99.9	14	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: PAPS sulfotransferase
28	c3mgbA_	Alignment	not modelled	99.9	12	PDB header: transferase/antibiotic Chain: A: PDB Molecule: teg12; PDBTitle: teg 12 ternary structure complexed with pap and the teicoplanin2 aglycone

29	d3bfxa1	Alignment	not modelled	99.9	13	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: PAPS sulfotransferase
30	c5mekA	Alignment	not modelled	99.9	15	PDB header: transferase Chain: A: PDB Molecule: cytosolic sulfotransferase 18; PDBTitle: sulphotransferase-18 from arabidopsis thaliana in complex with 3'-2 phosphoadenosine 5'-phosphate (pap)
31	d1aqua	Alignment	not modelled	99.8	8	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: PAPS sulfotransferase
32	c1zd1B	Alignment	not modelled	99.8	16	PDB header: transferase Chain: B: PDB Molecule: sulfotransferase 4a1; PDBTitle: human sulfotransferase sult4a1
33	d1q44a	Alignment	not modelled	99.8	12	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: PAPS sulfotransferase
34	c2h8kA	Alignment	not modelled	99.8	14	PDB header: transferase Chain: A: PDB Molecule: sult1c3 splice variant d; PDBTitle: human sulfotransferase sult1c3 in complex with pap
35	c5tizA	Alignment	not modelled	99.4	9	PDB header: transferase Chain: A: PDB Molecule: sulfotransferase; PDBTitle: schistosoma japonicum (blood fluke) sulfotransferase
36	c4mubA	Alignment	not modelled	99.2	9	PDB header: transferase Chain: A: PDB Molecule: sulfotransferase; PDBTitle: schistosoma mansoni (blood fluke) sulfotransferase/oxamniquine complex
37	c5x56A	Alignment	not modelled	91.0	18	PDB header: photosynthesis Chain: A: PDB Molecule: photosystem ii repair protein psb27-h1, chloroplastic; PDBTitle: crystal structure of psb27 from arabidopsis thaliana
38	c2y6xA	Alignment	not modelled	83.1	15	PDB header: photosynthesis Chain: A: PDB Molecule: photosystem ii 11 kd protein; PDBTitle: structure of psb27 from thermosynechococcus elongatus
39	c2kmfA	Alignment	not modelled	77.2	16	PDB header: photosynthesis Chain: A: PDB Molecule: photosystem ii 11 kda protein; PDBTitle: solution structure of psb27 from cyanobacterial photosystem2 ii
40	c3neyC	Alignment	not modelled	74.2	11	PDB header: membrane protein Chain: C: PDB Molecule: 55 kda erythrocyte membrane protein; PDBTitle: crystal structure of the kinase domain of mpp1/p55
41	c6gyeB	Alignment	not modelled	71.8	24	PDB header: transport protein Chain: B: PDB Molecule: nicotinamide-nucleotide adenylyltransferase nadr family / PDBTitle: crystal structure of nadr protein in complex with nr
42	d1kjwa2	Alignment	not modelled	71.0	15	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
43	d1kgda	Alignment	not modelled	67.1	7	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
44	c2qorA	Alignment	not modelled	66.4	17	PDB header: transferase Chain: A: PDB Molecule: guanylate kinase; PDBTitle: crystal structure of plasmodium vivax guanylate kinase
45	c3x1dA	Alignment	not modelled	65.6	29	PDB header: hydrolase Chain: A: PDB Molecule: atlastin; PDBTitle: crystal structure of atlastin from drosophila melanogaster
46	c5ca8A	Alignment	not modelled	65.5	28	PDB header: hydrolase Chain: A: PDB Molecule: protein sey1; PDBTitle: structures of the yeast dynamin-like gtpase sey1p in complex with gdp
47	d2bcgy1	Alignment	not modelled	65.3	25	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: G proteins
48	c2if2C	Alignment	not modelled	64.4	12	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.
49	c3q5eG	Alignment	not modelled	61.1	32	PDB header: hydrolase Chain: G: PDB Molecule: atlastin-1; PDBTitle: crystal structure of human atlastin-1 (residues 1-447) bound to gdp,2 crystal form 2
50	d1lw7a2	Alignment	not modelled	60.9	24	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
51	c1lw7A	Alignment	not modelled	59.7	24	PDB header: transferase Chain: A: PDB Molecule: transcriptional regulator nadr; PDBTitle: nadr protein from haemophilus influenzae
52	c4xrpA	Alignment	not modelled	58.4	18	PDB header: protein binding Chain: A: PDB Molecule: pnpk1; PDBTitle: structure of the pnpk1/rnl/hen1 rna repair complex
53	d1p3da1	Alignment	not modelled	57.5	21	Fold: MurCD N-terminal domain Superfamily: MurCD N-terminal domain Family: MurCD N-terminal domain
54	c4y0aA	Alignment	not modelled	56.5	12	PDB header: transferase/transferase inhibitor Chain: A: PDB Molecule: shikimate kinase; PDBTitle: shikimate kinase from acinetobacter baumannii in complex with2 shikimate
55	c3f5fA	Alignment	not modelled	53.5	13	PDB header: transport, transferase Chain: A: PDB Molecule: maltose-binding periplasmic protein, heparan sulfate 2-o- PDBTitle: crystal structure of heparan sulfate 2-o-sulfotransferase

						from gallus2 gallus as a maltose binding protein fusion.
56	c3tlxA	Alignment	not modelled	53.5	20	PDB header: transferase Chain: A: PDB Molecule: adenylate kinase 2; PDBTitle: crystal structure of pf10_0086, adenylate kinase from plasmodium2 falciparum
57	d2erya1	Alignment	not modelled	53.4	23	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: G proteins
58	d1yzna1	Alignment	not modelled	52.6	25	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: G proteins
59	d1j6ua1	Alignment	not modelled	51.6	8	Fold: MurCD N-terminal domain Superfamily: MurCD N-terminal domain Family: MurCD N-terminal domain
60	c3lh5A	Alignment	not modelled	50.9	12	PDB header: protein binding Chain: A: PDB Molecule: tight junction protein zo-1; PDBTitle: crystal structure of the sh3-guanylate kinase core domain of zo-1
61	c2oiIA	Alignment	not modelled	50.1	19	PDB header: protein transport Chain: A: PDB Molecule: ras-related protein rab-25; PDBTitle: crystal structure of human rab25 in complex with gdp
62	c1zuiA	Alignment	not modelled	49.8	13	PDB header: transferase Chain: A: PDB Molecule: shikimate kinase; PDBTitle: structural basis for shikimate-binding specificity of helicobacter2 pylori shikimate kinase
63	d1viaa	Alignment	not modelled	48.5	18	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Shikimate kinase (AroK)
64	c6cauA	Alignment	not modelled	47.2	19	PDB header: ligase Chain: A: PDB Molecule: udp-n-acetylmuramate--l-alanine ligase; PDBTitle: udp-n-acetylmuramate--alanine ligase from acinetobacter baumannii2 ab5075-uw with amppnp
65	d1lvga	Alignment	not modelled	46.7	25	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
66	d2bmea1	Alignment	not modelled	44.5	30	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: G proteins
67	c4nu0B	Alignment	not modelled	44.3	10	PDB header: transferase Chain: B: PDB Molecule: adenylate kinase; PDBTitle: crystal structure of adenylate kinase from streptococcus pneumoniae2 with ap5a
68	d1rkba	Alignment	not modelled	43.8	27	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
69	c3bh1A	Alignment	not modelled	42.9	22	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: upf0371 protein dip2346; PDBTitle: crystal structure of protein dip2346 from corynebacterium diphtheriae
70	c1kjaA	Alignment	not modelled	41.7	13	PDB header: neuropeptide Chain: A: PDB Molecule: postsynaptic density protein 95; PDBTitle: sh3-guanylate kinase module from psd-95
71	c3uatA	Alignment	not modelled	41.6	11	PDB header: peptide binding protein Chain: A: PDB Molecule: disks large homolog 1; PDBTitle: guanylate kinase domains of the maguk family scaffold proteins as2 specific phospho-protein binding modules
72	d1nija1	Alignment	not modelled	41.4	24	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nitrogenase iron protein-like
73	d2hmva1	Alignment	not modelled	41.1	19	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: Potassium channel NAD-binding domain
74	c1gqqA	Alignment	not modelled	40.9	20	PDB header: cell wall biosynthesis Chain: A: PDB Molecule: udp-n-acetylmuramate-l-alanine ligase; PDBTitle: murc - crystal structure of the apo-enzyme from haemophilus influenzae
75	d1g6oa	Alignment	not modelled	40.4	14	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: RecA protein-like (ATPase-domain)
76	d1ak2a1	Alignment	not modelled	40.3	14	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
77	d1s3ga1	Alignment	not modelled	40.1	5	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
78	c1z6ga	Alignment	not modelled	38.2	17	PDB header: transferase Chain: A: PDB Molecule: guanylate kinase; PDBTitle: crystal structure of guanylate kinase from plasmodium falciparum
79	d2jfga1	Alignment	not modelled	37.7	6	Fold: MurCD N-terminal domain Superfamily: MurCD N-terminal domain Family: MurCD N-terminal domain
80	c5d0nA	Alignment	not modelled	37.4	20	PDB header: transferase Chain: A: PDB Molecule: pyruvate, phosphate dikinase regulatory protein, PDBTitle: crystal structure of maize pdrp bound with amp
81	c3r3pB	Alignment	not modelled	37.3	8	PDB header: hydrolase Chain: B: PDB Molecule: mobile intron protein; PDBTitle: homing endonuclease i-bth0305i catalytic domain
82	d1r5ba3	Alignment	not modelled	37.1	28	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases

				Family:G proteins		
83	d1m8pa3	Alignment	not modelled	36.6	20	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: ATP sulfurylase C-terminal domain
84	c3akyA	Alignment	not modelled	36.3	10	PDB header: adenylate kinase Chain: A: PDB Molecule: adenylate kinase; PDBTitle: stability, activity and structure of adenylate kinase2 mutants
85	c4ag5A	Alignment	not modelled	36.2	25	PDB header: hydrolase Chain: A: PDB Molecule: type iv secretory pathway virb4 components-like protein; PDBTitle: structure of virb4 of thermoanaerobacter pseudethanolicus
86	c4j7cA	Alignment	not modelled	34.9	22	PDB header: transport protein Chain: A: PDB Molecule: ktr system potassium uptake protein a; PDBTitle: ktrab potassium transporter from bacillus subtilis
87	c4nh0A	Alignment	not modelled	34.3	22	PDB header: cell cycle Chain: A: PDB Molecule: cell divisionfts/spoiii; PDBTitle: cytoplasmic domain of the thermomonospora curvata type vii secretion2 atpase eccc
88	d1yza1	Alignment	not modelled	33.3	14	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: G proteins
89	c4ii7D	Alignment	not modelled	33.0	19	PDB header: hydrolase Chain: D: PDB Molecule: flai atpase; PDBTitle: archaeum assembly atpase flai
90	d1akya1	Alignment	not modelled	32.6	11	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
91	c2v65A	Alignment	not modelled	31.9	12	PDB header: oxidoreductase Chain: A: PDB Molecule: l-lactate dehydrogenase a chain; PDBTitle: apo ldh from the psychrophile c. gunnari
92	c2c99A	Alignment	not modelled	31.9	20	PDB header: transcription regulation Chain: A: PDB Molecule: psp operon transcriptional activator; PDBTitle: structural basis of the nucleotide driven conformational2 changes in the aaa domain of transcription activator pspf
93	d1qf9a	Alignment	not modelled	30.8	10	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
94	c1ys4A	Alignment	not modelled	30.4	26	PDB header: oxidoreductase Chain: A: PDB Molecule: aspartate-semialdehyde dehydrogenase; PDBTitle: structure of aspartate-semialdehyde dehydrogenase from methanococcus2 jannaschii
95	c1nijA	Alignment	not modelled	30.1	21	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: hypothetical protein yjia; PDBTitle: yjia protein
96	c5butG	Alignment	not modelled	29.9	17	PDB header: membrane protein Chain: G: PDB Molecule: ktr system potassium uptake protein a,ktr system potassium PDBTitle: crystal structure of inactive conformation of ktrab k+ transporter
97	d1zina1	Alignment	not modelled	29.6	11	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
98	c3hrlA	Alignment	not modelled	29.6	8	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: endonuclease-like protein; PDBTitle: crystal structure of a putative endonuclease-like protein (ngo0050)2 from neisseria gonorrhoeae
99	c4kblA	Alignment	not modelled	29.4	11	PDB header: ligase Chain: A: PDB Molecule: e3 ubiquitin-protein ligase arih1; PDBTitle: structure of hhari, a ring-ibr-ring ubiquitin ligase: autoinhibition2 of an ariadne-family e3 and insights into ligation mechanism
100	c3bbpA	Alignment	not modelled	29.1	19	PDB header: protein transport/splicing Chain: A: PDB Molecule: ras-related protein rab-6a; PDBTitle: rab6-gtp:gcc185 rab binding domain complex
101	c2gedB	Alignment	not modelled	29.0	28	PDB header: protein transport, signaling protein Chain: B: PDB Molecule: signal recognition particle receptor beta subunit; PDBTitle: signal recognition particle receptor beta-subunit in nucleotide-free2 dimerized form
102	d1j09a2	Alignment	not modelled	28.8	11	Fold: Adenine nucleotide alpha hydrolase-like Superfamily: Nucleotidylyl transferase Family: Class I aminoacyl-tRNA synthetases (RS), catalytic domain
103	c2ak2A	Alignment	not modelled	28.7	14	PDB header: phosphotransferase Chain: A: PDB Molecule: adenylate kinase isoenzyme-2; PDBTitle: adenylate kinase isoenzyme-2
104	c3vaaC	Alignment	not modelled	28.4	17	PDB header: transferase Chain: C: PDB Molecule: shikimate kinase; PDBTitle: 1.7 angstrom resolution crystal structure of shikimate kinase from2 bacteroides thetaiotaomicron
105	c5uj7B	Alignment	not modelled	28.3	11	PDB header: dna binding protein Chain: B: PDB Molecule: origin recognition complex subunit 1; PDBTitle: structure of the active form of human origin recognition complex2 atpase motor module, complex subunits 1, 4, 5
106	c3t76A	Alignment	not modelled	28.2	6	PDB header: transcription regulator Chain: A: PDB Molecule: transcriptional regulator vanug; PDBTitle: crystal structure of transcriptional regulator vanug, form ii
107	c1znyA	Alignment	not modelled	27.9	23	PDB header: transferase Chain: A: PDB Molecule: guanylate kinase; PDBTitle: crystal structure of mycobacterium tuberculosis guanylate kinase in2 complex with gdp
				Fold: NAD(P)-binding Rossmann-fold domains		

108	d1pjqa1	Alignment	not modelled	27.7	15	Superfamily: NAD(P)-binding Rossmann-fold domains Family: Siroheme synthase N-terminal domain-like
109	c4cw7A	Alignment	not modelled	27.5	20	PDB header: transferase Chain: A: PDB Molecule: putative adenylate kinase; PDBTitle: structure of the fap7-rps14 complex in complex with atp
110	d1khta	Alignment	not modelled	27.4	18	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
111	c2ak3B	Alignment	not modelled	27.2	7	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
112	c3tr0A	Alignment	not modelled	27.1	14	PDB header: transferase Chain: A: PDB Molecule: guanylate kinase; PDBTitle: structure of guanylate kinase (gmk) from coxiella burnetii
113	d1l8qa2	Alignment	not modelled	27.0	15	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Extended AAA-ATPase domain
114	c5vwwA	Alignment	not modelled	26.9	21	PDB header: ligase Chain: A: PDB Molecule: udp-n-acetylmuramate--l-alanine ligase; PDBTitle: structure of murc from pseudomonas aeruginosa
115	d1jiva	Alignment	not modelled	26.7	18	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
116	d1teva	Alignment	not modelled	26.3	15	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nucleotide and nucleoside kinases
117	c1s3gA	Alignment	not modelled	25.8	5	PDB header: transferase Chain: A: PDB Molecule: adenylate kinase; PDBTitle: crystal structure of adenylate kinase from bacillus2 globisporus
118	c2eu8B	Alignment	not modelled	25.6	10	PDB header: transferase Chain: B: PDB Molecule: adenylate kinase; PDBTitle: crystal structure of a thermostable mutant of bacillus2 subtilis adenylate kinase (q199r)
119	c3h0kA	Alignment	not modelled	25.2	21	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
120	c2bovA	Alignment	not modelled	25.0	15	PDB header: transferase Chain: A: PDB Molecule: ras-related protein ral-a; PDBTitle: molecular recognition of an adp-ribosylating clostridium2 botulinum c3 exoenzyme by rala gtpase