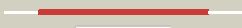























Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD2029c_(pfkB)_2275413_2276432
Date	Mon Aug 5 13:25:14 BST 2019
Unique Job ID	b4fd2418ff65c5cf

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c3cqdB_	 Alignment		100.0	40	PDB header: transferase Chain: B: PDB Molecule: 6-phosphofruktokinase isozyme 2; PDBTitle: structure of the tetrameric inhibited form of phosphofruktokinase-22 from escherichia coli
2	c2jg1C_	 Alignment		100.0	26	PDB header: transferase Chain: C: PDB Molecule: tagatose-6-phosphate kinase; PDBTitle: structure of staphylococcus aureus d-tagatose-6-phosphate2 kinase with cofactor and substrate
3	d2f02a1	 Alignment		100.0	27	Fold: Ribokinase-like Superfamily: Ribokinase-like Family: Ribokinase-like
4	c2jg5B_	 Alignment		100.0	27	PDB header: transferase Chain: B: PDB Molecule: fructose 1-phosphate kinase; PDBTitle: crystal structure of a putative phosphofruktokinase from2 staphylococcus aureus
5	d2abqa1	 Alignment		100.0	26	Fold: Ribokinase-like Superfamily: Ribokinase-like Family: Ribokinase-like
6	d2ajra1	 Alignment		100.0	21	Fold: Ribokinase-like Superfamily: Ribokinase-like Family: Ribokinase-like
7	c3jula_	 Alignment		100.0	22	PDB header: transferase Chain: A: PDB Molecule: lin2199 protein; PDBTitle: crystal structure of listeria innocua d-tagatose-6-phosphate2 kinase bound with substrate
8	c4x8fD_	 Alignment		100.0	19	PDB header: transferase Chain: D: PDB Molecule: ribokinase; PDBTitle: vibrio cholerae o395 ribokinase in apo form
9	c6ilsB_	 Alignment		100.0	21	PDB header: transferase Chain: B: PDB Molecule: ribokinase; PDBTitle: structure of arabidopsis thaliana ribokinase complexed with ribose and2 atp
10	d1rkda_	 Alignment		100.0	18	Fold: Ribokinase-like Superfamily: Ribokinase-like Family: Ribokinase-like
11	c3kzhA_	 Alignment		100.0	13	PDB header: transferase Chain: A: PDB Molecule: probable sugar kinase; PDBTitle: crystal structure of a putative sugar kinase from2 clostridium perfringens

12	c2rbcA_	Alignment		100.0	19	PDB header: transferase Chain: A: PDB Molecule: sugar kinase; PDBTitle: crystal structure of a putative ribokinase from agrobacterium2 tumefaciens
13	d1bx4a_	Alignment		100.0	19	Fold: Ribokinase-like Superfamily: Ribokinase-like Family: Ribokinase-like
14	c3pl2D_	Alignment		100.0	21	PDB header: transferase Chain: D: PDB Molecule: sugar kinase, ribokinase family; PDBTitle: crystal structure of a 5-keto-2-deoxygluconokinase (ncgl0155, cgl0158)2 from corynebacterium glutamicum atcc 13032 kitasato at 1.89 a3 resolution
15	c3go6B_	Alignment		100.0	21	PDB header: transferase Chain: B: PDB Molecule: ribokinase rbsk; PDBTitle: crystal structure of m. tuberculosis ribokinase (rv2436) in complex2 with ribose and amp-prp
16	c2xtbA_	Alignment		100.0	18	PDB header: transferase Chain: A: PDB Molecule: adenosine kinase; PDBTitle: crystal structure of trypanosoma brucei rhodesiense2 adenosine kinase complexed with activator
17	c3uq6B_	Alignment		100.0	16	PDB header: transferase Chain: B: PDB Molecule: adenosine kinase, putative; PDBTitle: adenosine kinase from schistosoma mansoni in complex with adenosine2 and amp
18	c2pkkA_	Alignment		100.0	18	PDB header: transferase Chain: A: PDB Molecule: adenosine kinase; PDBTitle: crystal structure of m tuberculosis adenosine kinase complexed with 2-2 fluoro adenosine
19	c2nwhA_	Alignment		100.0	19	PDB header: signaling protein,transferase Chain: A: PDB Molecule: carbohydrate kinase; PDBTitle: carbohydrate kinase from agrobacterium tumefaciens
20	c2c49A_	Alignment		100.0	20	PDB header: transferase Chain: A: PDB Molecule: sugar kinase mj0406; PDBTitle: crystal structure of methanocaldococcus jannaschii nucleoside kinase -2 an archaeal member of the ribokinase family
21	c3looC_	Alignment	not modelled	100.0	18	PDB header: transferase Chain: C: PDB Molecule: anopheles gambiae adenosine kinase; PDBTitle: crystal structure of anopheles gambiae adenosine kinase in complex2 with p1,p4-di(adenosine-5) tetraphosphate
22	d2afba1	Alignment	not modelled	100.0	15	Fold: Ribokinase-like Superfamily: Ribokinase-like Family: Ribokinase-like
23	c3b1qD_	Alignment	not modelled	100.0	16	PDB header: transferase Chain: D: PDB Molecule: ribokinase, putative; PDBTitle: structure of burkholderia thailandensis nucleoside kinase (bthnk) in2 complex with inosine
24	d1vm7a_	Alignment	not modelled	100.0	22	Fold: Ribokinase-like Superfamily: Ribokinase-like Family: Ribokinase-like
25	c3iq0B_	Alignment	not modelled	100.0	17	PDB header: transferase Chain: B: PDB Molecule: putative ribokinase ii; PDBTitle: crystal structure of a putative ribokinase ii in complex2 with atp and mg+2 from e.coli
26	c3i3yB_	Alignment	not modelled	100.0	15	PDB header: transferase Chain: B: PDB Molecule: carbohydrate kinase; PDBTitle: crystal structure of ribokinase in complex with d-ribose from2 klebsiella pneumoniae
27	d1v19a_	Alignment	not modelled	100.0	24	Fold: Ribokinase-like Superfamily: Ribokinase-like Family: Ribokinase-like
28	c3ry7A_	Alignment	not modelled	100.0	17	PDB header: transferase Chain: A: PDB Molecule: ribokinase; PDBTitle: crystal structure of sa239
						PDB header: transferase

29	c3ktnA_	Alignment	not modelled	100.0	17	Chain: A: PDB Molecule: carbohydrate kinase, pfkb family; PDBTitle: crystal structure of a putative 2-keto-3-deoxygluconate2 kinase from enterococcus faecalis
30	c4gm6C_	Alignment	not modelled	100.0	15	PDB header: transferase Chain: C: PDB Molecule: pfkb family carbohydrate kinase; PDBTitle: crystal structure of pfkb family carbohydrate kinase(target efi-5021462 from listeria grayi dsm 20601
31	c2absA_	Alignment	not modelled	100.0	20	PDB header: signaling protein,transferase Chain: A: PDB Molecule: adenosine kinase; PDBTitle: crystal structure of t. gondii adenosine kinase complexed with amp-pcp
32	d2absa1	Alignment	not modelled	100.0	20	Fold: Ribokinase-like Superfamily: Ribokinase-like Family: Ribokinase-like
33	d2fv7a1	Alignment	not modelled	100.0	15	Fold: Ribokinase-like Superfamily: Ribokinase-like Family: Ribokinase-like
34	c3in1A_	Alignment	not modelled	100.0	20	PDB header: transferase Chain: A: PDB Molecule: uncharacterized sugar kinase ydjh; PDBTitle: crystal structure of a putative ribokinase in complex with2 adp from e.coli
35	c5zwyB_	Alignment	not modelled	100.0	16	PDB header: transferase Chain: B: PDB Molecule: ribokinase; PDBTitle: ribokinase from leishmania donovani
36	c2qcvA_	Alignment	not modelled	100.0	12	PDB header: transferase Chain: A: PDB Molecule: putative 5-dehydro-2-deoxygluconokinase; PDBTitle: crystal structure of a putative 5-dehydro-2-deoxygluconokinase (iolc)2 from bacillus halodurans c-125 at 1.90 a resolution
37	c6cw5A_	Alignment	not modelled	100.0	17	PDB header: transferase Chain: A: PDB Molecule: ribokinase; PDBTitle: crystal structure of ribokinase from cryptococcus neoformans var.2 grubii serotype a
38	c4e8wA_	Alignment	not modelled	100.0	21	PDB header: transferase/transferase inhibitor Chain: A: PDB Molecule: d-beta-d-heptose 7-phosphate kinase; PDBTitle: crystal structure of burkholderia cenocepacia hlda in complex with an2 atp-competitive inhibitor
39	c5eynA_	Alignment	not modelled	100.0	20	PDB header: transferase Chain: A: PDB Molecule: fructokinase; PDBTitle: crystal structure of fructokinase from vibrio cholerae o395 in2 fructose, adp, beryllium trifluoride and calcium ion bound form
40	c4u7xA_	Alignment	not modelled	100.0	17	PDB header: transferase Chain: A: PDB Molecule: ribokinase:carbohydrate kinase, pfkb; PDBTitle: crystal structure of fructokinase from brucella abortus 2308
41	c4e3aB_	Alignment	not modelled	100.0	18	PDB header: transferase Chain: B: PDB Molecule: sugar kinase protein; PDBTitle: crystal structure of probable sugar kinase protein from rhizobium etli2 cfn 42
42	c2varB_	Alignment	not modelled	100.0	16	PDB header: transferase Chain: B: PDB Molecule: fructokinase; PDBTitle: crystal structure of sulfolobus solfataricus 2-keto-3-2 deoxygluconate kinase complexed with 2-keto-3-3 deoxygluconate
43	c3bf5A_	Alignment	not modelled	100.0	19	PDB header: transferase Chain: A: PDB Molecule: ribokinase related protein; PDBTitle: crystal structure of putative ribokinase (10640157) from thermoplasma2 acidophilum at 1.91 a resolution
44	d2dcna1	Alignment	not modelled	100.0	17	Fold: Ribokinase-like Superfamily: Ribokinase-like Family: Ribokinase-like
45	c4ebuA_	Alignment	not modelled	100.0	16	PDB header: transferase Chain: A: PDB Molecule: 2-dehydro-3-deoxygluconokinase; PDBTitle: crystal structure of a sugar kinase (target efi-502312) from2 oceanicola granulosus, with bound amp/adp crystal form i
46	c3gbuD_	Alignment	not modelled	100.0	20	PDB header: transferase Chain: D: PDB Molecule: uncharacterized sugar kinase ph1459; PDBTitle: crystal structure of an uncharacterized sugar kinase ph1459 from2 pyrococcus horikoshii in complex with atp
47	c3b3IC_	Alignment	not modelled	100.0	15	PDB header: transferase Chain: C: PDB Molecule: ketohehexokinase; PDBTitle: crystal structures of alternatively-spliced isoforms of human2 ketohehexokinase
48	c3lhxA_	Alignment	not modelled	100.0	13	PDB header: transferase Chain: A: PDB Molecule: ketodeoxygluconokinase; PDBTitle: crystal structure of a ketodeoxygluconokinase (kdgk) from shigella2 flexneri
49	c2qhpA_	Alignment	not modelled	100.0	15	PDB header: transferase Chain: A: PDB Molecule: fructokinase; PDBTitle: crystal structure of fructokinase (np_810670.1) from bacteroides2 thetaiotaomicron vpi-5482 at 1.80 a resolution
50	d1tyya_	Alignment	not modelled	100.0	23	Fold: Ribokinase-like Superfamily: Ribokinase-like Family: Ribokinase-like
51	c3lkiA_	Alignment	not modelled	100.0	19	PDB header: transferase Chain: A: PDB Molecule: fructokinase; PDBTitle: crystal structure of fructokinase with bound atp from2 xylella fastidiosa
52	c4du5B_	Alignment	not modelled	100.0	21	PDB header: transferase Chain: B: PDB Molecule: pfkb; PDBTitle: crystal structure of pfkb protein from polaromonas sp. js666
53	c1tz6B_	Alignment	not modelled	100.0	23	PDB header: transferase Chain: B: PDB Molecule: putative sugar kinase; PDBTitle: crystal structure of aminoimidazole riboside kinase from2 salmonella enterica complexed with aminoimidazole riboside3 and atp analog
54	c3k46B_	Alignment	not modelled	100.0	16	PDB header: transferase Chain: B: PDB Molecule: carbohydrate kinase, pfkb family;

54	c3k00b	Alignment	not modelled	100.0	10	PDBTitle: crystal structure of nucleoside kinase from chlorobium tepidum in2 complex with amp
55	d1vk4a	Alignment	not modelled	100.0	19	Fold: Ribokinase-like Superfamily: Ribokinase-like Family: Ribokinase-like
56	c3hj6B	Alignment	not modelled	100.0	19	PDB header: transferase Chain: B: PDB Molecule: fructokinase; PDBTitle: structure of halothermothrix orenii fructokinase (frk)
57	c3w4sB	Alignment	not modelled	100.0	16	PDB header: transferase Chain: B: PDB Molecule: carbohydrate/pyrimidine kinase, pfkb family; PDBTitle: myo-inositol kinase from thermococcus kodakarensis
58	c2ddmA	Alignment	not modelled	99.9	17	PDB header: transferase Chain: A: PDB Molecule: pyridoxine kinase; PDBTitle: crystal structure of pyridoxal kinase from the escherichia coli pdxk2 gene at 2.1 a resolution
59	c5b6aA	Alignment	not modelled	99.9	19	PDB header: transferase Chain: A: PDB Molecule: pyridoxal kinase pdxy; PDBTitle: structure of pyridoxal kinasefrom pseudomonas aeruginosa
60	c4s1hA	Alignment	not modelled	99.9	17	PDB header: transferase Chain: A: PDB Molecule: pyridoxal kinase; PDBTitle: pyridoxal kinase of entamoeba histolytica with adp
61	c5trwA	Alignment	not modelled	99.9	22	PDB header: transferase Chain: A: PDB Molecule: pyridoxal kinase pdxy; PDBTitle: crystal structure of pyridoxamine kinase pdxy from burkholderia2 xenovorans
62	c5zwbB	Alignment	not modelled	99.9	18	PDB header: transferase Chain: B: PDB Molecule: pyridoxine/pyridoxal/pyridoxamine kinase; PDBTitle: crystal structure of pyridoxal kinase (pdxk) from salmonella2 typhimurium in complex with adp, pi-linked to lys233 via a schiff3 base
63	c3mbjA	Alignment	not modelled	99.8	14	PDB header: transferase Chain: A: PDB Molecule: putative phosphomethylpyrimidine kinase; PDBTitle: crystal structure of a putative phosphomethylpyrimidine kinase2 (bt_4458) from bacteroides thetaiotaomicron vpi-5482 at 2.10 a3 resolution (rhombohedral form)
64	c2i5bC	Alignment	not modelled	99.8	16	PDB header: transferase Chain: C: PDB Molecule: phosphomethylpyrimidine kinase; PDBTitle: the crystal structure of an adp complex of bacillus subtilis pyridoxal2 kinase provides evidence for the parralel emergence of enzyme3 activity during evolution
65	d1ub0a	Alignment	not modelled	99.8	25	Fold: Ribokinase-like Superfamily: Ribokinase-like Family: Thiamin biosynthesis kinases
66	c3zs7A	Alignment	not modelled	99.8	13	PDB header: transferase Chain: A: PDB Molecule: pyridoxal kinase; PDBTitle: crystal structure of pyridoxal kinase from trypanosoma brucei
67	c3ibqA	Alignment	not modelled	99.8	14	PDB header: transferase Chain: A: PDB Molecule: pyridoxal kinase; PDBTitle: crystal structure of pyridoxal kinase from lactobacillus plantarum in2 complex with atp
68	d1vi9a	Alignment	not modelled	99.8	17	Fold: Ribokinase-like Superfamily: Ribokinase-like Family: PfkB-like kinase
69	d1lhpa	Alignment	not modelled	99.8	18	Fold: Ribokinase-like Superfamily: Ribokinase-like Family: PfkB-like kinase
70	c4c5lC	Alignment	not modelled	99.7	16	PDB header: transferase Chain: C: PDB Molecule: phosphomethylpyrimidine kinase; PDBTitle: structure of the pyridoxal kinase from staphylococcus2 aureus in complex with pyridoxal
71	c3rm5B	Alignment	not modelled	99.7	20	PDB header: transferase Chain: B: PDB Molecule: hydroxymethylpyrimidine/phosphomethylpyrimidine kinase PDBTitle: structure of trifunctional thi20 from yeast
72	c6jyyC	Alignment	not modelled	99.7	16	PDB header: hydrolase Chain: C: PDB Molecule: hydroxyethylthiazole kinase; PDBTitle: crystal structure of the 5-(hydroxyethyl)-methylthiazole kinase thim2 from klebsiella pneumonia
73	c4jipB	Alignment	not modelled	99.6	12	PDB header: transferase Chain: B: PDB Molecule: phosphomethylpyrimidine kinase; PDBTitle: 2.06 angstrom resolution crystal structure of phosphomethylpyrimidine2 kinase (thid)from clostridium difficile 630
74	d1jxha	Alignment	not modelled	99.6	21	Fold: Ribokinase-like Superfamily: Ribokinase-like Family: Thiamin biosynthesis kinases
75	c3dzvB	Alignment	not modelled	99.5	14	PDB header: transferase Chain: B: PDB Molecule: 4-methyl-5-(beta-hydroxyethyl)thiazole kinase; PDBTitle: crystal structure of 4-methyl-5-(beta-hydroxyethyl)thiazole kinase2 (np_816404.1) from enterococcus faecalis v583 at 2.57 a resolution
76	c5cgaC	Alignment	not modelled	99.4	14	PDB header: transferase Chain: C: PDB Molecule: hydroxyethylthiazole kinase; PDBTitle: structure of hydroxyethylthiazole kinase thim from staphylococcus2 aureus in complex with substrate analog 2-(1,3,5-trimethyl-1h-3 pyrazole-4-yl)ethanol
77	d1v8aa	Alignment	not modelled	99.3	17	Fold: Ribokinase-like Superfamily: Ribokinase-like Family: Thiamin biosynthesis kinases
78	d1kyha	Alignment	not modelled	99.1	14	Fold: Ribokinase-like Superfamily: Ribokinase-like Family: YjeF C-terminal domain-like PDB header: transferase

79	c5k27B_	Alignment	not modelled	99.1	16	Chain: B: PDB Molecule: ancmt; PDBTitle: crystal structure of ancestral protein ancmt of adp-dependent sugar2 kinases family.
80	d1l2la_	Alignment	not modelled	99.0	17	Fold: Ribokinase-like Superfamily: Ribokinase-like Family: ADP-specific Phosphofructokinase/Glucokinase
81	d1gc5a_	Alignment	not modelled	99.0	13	Fold: Ribokinase-like Superfamily: Ribokinase-like Family: ADP-specific Phosphofructokinase/Glucokinase
82	d2ax3a1	Alignment	not modelled	99.0	15	Fold: Ribokinase-like Superfamily: Ribokinase-like Family: YjeF C-terminal domain-like
83	c5od2B_	Alignment	not modelled	99.0	18	PDB header: transferase Chain: B: PDB Molecule: bifunctional adp-specific glucokinase/phosphofructokinase; PDBTitle: crystal structure of adp-dependent glucokinase from methanocaldococcus2 jannaschii
84	d1ua4a_	Alignment	not modelled	99.0	12	Fold: Ribokinase-like Superfamily: Ribokinase-like Family: ADP-specific Phosphofructokinase/Glucokinase
85	c4yl5A_	Alignment	not modelled	98.9	18	PDB header: transferase Chain: A: PDB Molecule: putative phosphomethylpyrimidine kinase; PDBTitle: structure of a putative phosphomethylpyrimidine kinase from 2 acinetobacter baumannii
86	d1u2xa_	Alignment	not modelled	98.9	15	Fold: Ribokinase-like Superfamily: Ribokinase-like Family: ADP-specific Phosphofructokinase/Glucokinase
87	d1ekqa_	Alignment	not modelled	98.9	12	Fold: Ribokinase-like Superfamily: Ribokinase-like Family: Thiamin biosynthesis kinases
88	c6c8zA_	Alignment	not modelled	98.8	19	PDB header: transferase Chain: A: PDB Molecule: adp-dependent phosphofructokinase; PDBTitle: last common ancestor of adp-dependent phosphofructokinases from 2 methanosarcinales
89	c2ax3A_	Alignment	not modelled	98.7	15	PDB header: transferase Chain: A: PDB Molecule: hypothetical protein tm0922; PDBTitle: crystal structure of a putative carbohydrate kinase (tm0922) from 2 thermotoga maritima msb8 at 2.25 a resolution
90	c2r3bA_	Alignment	not modelled	98.7	11	PDB header: transferase Chain: A: PDB Molecule: yjef-related protein; PDBTitle: crystal structure of a ribokinase-like superfamily protein (ef1790)2 from enterococcus faecalis v583 at 1.80 a resolution
91	c3drwA_	Alignment	not modelled	98.7	13	PDB header: transferase Chain: A: PDB Molecule: adp-specific phosphofructokinase; PDBTitle: crystal structure of a phosphofructokinase from pyrococcus horikoshii2 ot3 with amp
92	c3nm3D_	Alignment	not modelled	98.6	15	PDB header: transferase Chain: D: PDB Molecule: thiamine biosynthetic bifunctional enzyme; PDBTitle: the crystal structure of candida glabrata thi6, a bifunctional enzyme2 involved in thiamin biosynthesis of eukaryotes
93	c5ccfA_	Alignment	not modelled	98.6	17	PDB header: transferase Chain: A: PDB Molecule: adp-dependent glucokinase; PDBTitle: structure of mouse adp-dependent glucokinase
94	c3bgkA_	Alignment	not modelled	98.4	13	PDB header: unknown function Chain: A: PDB Molecule: putative uncharacterized protein; PDBTitle: the crystal structure of hypothetic protein smu.573 from streptococcus2 mutans
95	c3k5wA_	Alignment	not modelled	98.0	16	PDB header: transferase Chain: A: PDB Molecule: carbohydrate kinase; PDBTitle: crystal structure of a carbohydrate kinase (yjef family)from 2 helicobacter pylori
96	c6efwA_	Alignment	not modelled	97.0	15	PDB header: lyase Chain: A: PDB Molecule: atp-dependent (s)-nad(p)h-hydrate dehydratase; PDBTitle: crystal structure of a yjef family protein from cryptococcus2 neoformans var. grubii serotype a
97	c3tqoA_	Alignment	not modelled	57.5	17	PDB header: ligase Chain: A: PDB Molecule: cysteinyl-trna synthetase; PDBTitle: structure of the cysteinyl-trna synthetase (cyss) from coxiella2 burnetii.
98	d1rq2a1	Alignment	not modelled	54.8	19	Fold: Tubulin nucleotide-binding domain-like Superfamily: Tubulin nucleotide-binding domain-like Family: Tubulin, GTPase domain
99	d2hzba1	Alignment	not modelled	51.0	24	Fold: CofD-like Superfamily: CofD-like Family: CofD-like
100	c6cauA_	Alignment	not modelled	50.4	15	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 ampnpn
101	c3k9gA_	Alignment	not modelled	50.1	33	PDB header: biosynthetic protein Chain: A: PDB Molecule: pf-32 protein; PDBTitle: crystal structure of a plasmid partition protein from borrelia2 burgdorferi at 2.25a resolution, iodide soak
102	c1w59B_	Alignment	not modelled	45.5	16	PDB header: cell division Chain: B: PDB Molecule: cell division protein ftsz homolog 1; PDBTitle: ftsz dimer, empty (m. jannaschii)
103	d1w5fa1	Alignment	not modelled	44.2	14	Fold: Tubulin nucleotide-binding domain-like Superfamily: Tubulin nucleotide-binding domain-like Family: Tubulin, GTPase domain
104	c2vxyA_	Alignment	not modelled	41.9	17	PDB header: cell cycle Chain: A: PDB Molecule: cell division protein ftsz; PDBTitle: the structure of ftsz from bacillus subtilis at 1.7a2 resolution PDB header: cell cycle

105	c4e6eA_	Alignment	not modelled	41.5	20	Chain: A: PDB Molecule: cell division protein ftsz; PDBTitle: crystal structure of a putative cell division protein ftsz (tfu_1113)2 from thermobifida fusca yx-er1 at 2.22 a resolution (psi community3 target, van wezel g.p.)
106	d1li5a2_	Alignment	not modelled	37.8	17	Fold: Adenine nucleotide alpha hydrolase-like Superfamily: Nucleotidyl transferase Family: Class I aminoacyl-tRNA synthetases (RS), catalytic domain
107	c3g5rA_	Alignment	not modelled	34.9	27	PDB header: transferase Chain: A: PDB Molecule: methylenetetrahydrofolate--trna-(uracil-5-)- PDBTitle: crystal structure of thermus thermophilus tmfo in complex with2 tetrahydrofolate
108	c4g6gB_	Alignment	not modelled	32.7	24	PDB header: oxidoreductase Chain: B: PDB Molecule: rotenone-insensitive nadh-ubiquinone oxidoreductase, PDBTitle: crystal structure of ndh with trt
109	c2rhoB_	Alignment	not modelled	32.2	15	PDB header: cell cycle Chain: B: PDB Molecule: cell division protein ftsz; PDBTitle: synthetic gene encoded bacillus subtilis ftsz ncs dimer with bound gdp2 and gtp-gamma-s
110	d1uz5a3_	Alignment	not modelled	32.1	21	Fold: Molybdenum cofactor biosynthesis proteins Superfamily: Molybdenum cofactor biosynthesis proteins Family: MoeA central domain-like
111	c3k30B_	Alignment	not modelled	32.0	28	PDB header: oxidoreductase Chain: B: PDB Molecule: histamine dehydrogenase; PDBTitle: histamine dehydrogenase from nocardioles simplex
112	c2ppvA_	Alignment	not modelled	31.1	24	PDB header: transferase Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of a protein belonging to the upf0052 (se_0549) from2 staphylococcus epidermidis atcc 12228 at 2.00 a resolution
113	c2r6r1_	Alignment	not modelled	30.9	14	PDB header: cell cycle Chain: 1: PDB Molecule: cell division protein ftsz; PDBTitle: aquifex aeolicus ftsz
114	c4k6fD_	Alignment	not modelled	29.8	18	PDB header: oxidoreductase Chain: D: PDB Molecule: putative acetoacetyl-coa reductase; PDBTitle: x-ray crystal structure of a putative acetoacetyl-coa reductase from2 burkholderia cenocepacia bound to the co-factor nadp
115	c4gapB_	Alignment	not modelled	29.1	22	PDB header: oxidoreductase Chain: B: PDB Molecule: rotenone-insensitive nadh-ubiquinone oxidoreductase; PDBTitle: structure of the ndi1 protein from saccharomyces cerevisiae in complex2 with nad+
116	c2q1yB_	Alignment	not modelled	29.0	17	PDB header: cell cycle, signaling protein Chain: B: PDB Molecule: cell division protein ftsz; PDBTitle: crystal structure of cell division protein ftsz from mycobacterium2 tuberculosis in complex with gtp-gamma-s
117	c6qg0G_	Alignment	not modelled	27.1	12	PDB header: translation Chain: G: PDB Molecule: translation initiation factor eif-2b subunit delta; PDBTitle: structure of eif2b-eif2 (phosphorylated at ser51) complex (model 1)
118	c3crcB_	Alignment	not modelled	26.7	19	PDB header: hydrolase Chain: B: PDB Molecule: protein mazg; PDBTitle: crystal structure of escherichia coli mazg, the regulator2 of nutritional stress response
119	c2nqqA_	Alignment	not modelled	25.5	19	PDB header: biosynthetic protein Chain: A: PDB Molecule: molybdopterin biosynthesis protein moea; PDBTitle: moea r137q
120	c4uuwA_	Alignment	not modelled	25.5	10	PDB header: biosynthetic protein Chain: A: PDB Molecule: cina-like protein; PDBTitle: competence or damage-inducible protein cina from thermus thermophilus