


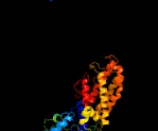







Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD1007c_(metG)_1125448_1127007
Date	Wed Jul 31 22:05:07 BST 2019
Unique Job ID	cc4920976a219efb

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c5gl7A_	Alignment		100.0	25	PDB header: ligase Chain: A; PDB Molecule: methionyl--trna ligase, cytoplasmic; PDBTitle: crystal structure of a truncated human cytosolic methionyl-trna2 synthetase
2	c1rqgA_	Alignment		100.0	29	PDB header: ligase Chain: A; PDB Molecule: methionyl-trna synthetase; PDBTitle: methionyl-trna synthetase from pyrococcus abyssi
3	c4qrdA_	Alignment		100.0	41	PDB header: ligase/ligase inhibitor Chain: A; PDB Molecule: methionyl-trna synthetase; PDBTitle: structure of methionyl-trna synthetase in complex with n-(1h-2 benzimidazol-2-ylmethyl)-n'-(2,4-dichlorophenyl)-6-(morpholin-4-yl)-3 1,3,5-triazine-2,4-diamine
4	c5xggB_	Alignment		100.0	100	PDB header: ligase Chain: B; PDB Molecule: methionine-trna ligase; PDBTitle: crystal structure of apo form (free-state) mycobacterium tuberculosis2 methionyl-trna synthetase
5	c1pfuA_	Alignment		100.0	26	PDB header: ligase Chain: A; PDB Molecule: methionyl-trna synthetase; PDBTitle: methionyl-trna synthetase from escherichia coli complexed2 with methionine phosphinate
6	c5urbB_	Alignment		100.0	23	PDB header: ligase Chain: B; PDB Molecule: methionine--trna ligase; PDBTitle: crystal structure of methionyl-trna synthetase (metrs) from2 acinetobacter baumannii with bound l-methionine
7	c3tunA_	Alignment		100.0	43	PDB header: ligase/ligase inhibitor Chain: A; PDB Molecule: methionyl-trna synthetase; PDBTitle: trypanosoma brucei methionyl-trna synthetase in complex with inhibitor2 chem 1356
8	c4dlpA_	Alignment		100.0	58	PDB header: ligase Chain: A; PDB Molecule: aminoacyl-trna synthetase, class i;aminoacyl-trna PDBTitle: crystal structure of methionyl-trna synthetase metrs from brucella2 melitensis bound to selenomethionine
9	c3kflA_	Alignment		100.0	43	PDB header: ligase Chain: A; PDB Molecule: methionyl-trna synthetase; PDBTitle: leishmania major methionyl-trna synthetase in complex with2 methionyladenylate and pyrophosphate
10	c2x1lC_	Alignment		100.0	77	PDB header: ligase Chain: C; PDB Molecule: methionyl-trna synthetase; PDBTitle: crystal structure of mycobacterium smegmatis methionyl-trna synthetase2 in complex with methionine and adenosine
11	c1woyA_	Alignment		100.0	42	PDB header: ligase Chain: A; PDB Molecule: methionyl-trna synthetase; PDBTitle: crystal structure of methionyl trna synthetase y225f mutant2 from thermus thermophilus

12	c4dIpB	Alignment		100.0	60	PDB header: ligase Chain: B: PDB Molecule: aminoacyl-trna synthetase, class i;aminoacyl-trna PDBTitle: crystal structure of methionyl-trna synthetase metrs from brucella2 melitensis bound to selenomethionine
13	c2ct8A	Alignment		100.0	46	PDB header: ligase/rna Chain: A: PDB Molecule: methionyl-trna synthetase; PDBTitle: crystal structure of aquifex aeolicus methionyl-trna2 synthetase complexed with trna(met) and methionyl-adenylate3 analogue
14	c1gaxB	Alignment		100.0	24	PDB header: ligase/rna Chain: B: PDB Molecule: valyl-trna synthetase; PDBTitle: crystal structure of thermus thermophilus valyl-trna2 synthetase complexed with trna(val) and valyl-adenylate3 analogue
15	c1qu2A	Alignment		100.0	22	PDB header: ligase/rna Chain: A: PDB Molecule: isoleucyl-trna synthetase; PDBTitle: insights into editing from an ile-trna synthetase structure2 with trna(ile) and mupirocin
16	c1ileA	Alignment		100.0	22	PDB header: aminoacyl-trna synthetase Chain: A: PDB Molecule: isoleucyl-trna synthetase; PDBTitle: isoleucyl-trna synthetase
17	c3ziuA	Alignment		100.0	22	PDB header: ligase Chain: A: PDB Molecule: leucyl-trna synthetase; PDBTitle: crystal structure of mycoplasma mobile leucyl-trna2 synthetase with leu-ams in the active site
18	c5ah5B	Alignment		100.0	24	PDB header: ligase/rna Chain: B: PDB Molecule: leucine--trna ligase; PDBTitle: crystal structure of the ternary complex of agrobacterium2 radiobacter k84 agnb2 leu-trna-leuams
19	c3ziuB	Alignment		100.0	22	PDB header: ligase Chain: B: PDB Molecule: leucyl-trna synthetase; PDBTitle: crystal structure of mycoplasma mobile leucyl-trna2 synthetase with leu-ams in the active site
20	c1wz2B	Alignment		100.0	25	PDB header: ligase/rna Chain: B: PDB Molecule: leucyl-trna synthetase; PDBTitle: the crystal structure of leucyl-trna synthetase and trna(leucine)2 complex
21	c2bytD	Alignment	not modelled	100.0	24	PDB header: synthetase Chain: D: PDB Molecule: leucyl-trna synthetase; PDBTitle: thermus thermophilus leucyl-trna synthetase complexed with2 a trnaleu transcript in the post-editing conformation
22	c1wkbA	Alignment	not modelled	100.0	24	PDB header: ligase Chain: A: PDB Molecule: leucyl-trna synthetase; PDBTitle: crystal structure of leucyl-trna synthetase from the2 archaeon pyrococcus horikoshii reveals a novel editing3 domain orientation
23	c4ariA	Alignment	not modelled	100.0	23	PDB header: ligase/rna Chain: A: PDB Molecule: leucine--trna ligase; PDBTitle: ternary complex of e. coli leucyl-trna synthetase, trna(leu) and the2 benzoxaborole an2679 in the editing conformation
24	c6q8aA	Alignment	not modelled	100.0	26	PDB header: ligase Chain: A: PDB Molecule: leucine--trna ligase; PDBTitle: neisseria gonorrhoeae leucyl-trna synthetase in complex with 5'-o-(n-2 (l-leucyl)-sulfamoyl)cytidine
25	c1obhA	Alignment	not modelled	100.0	24	PDB header: synthetase Chain: A: PDB Molecule: leucyl-trna synthetase; PDBTitle: leucyl-trna synthetase from thermus thermophilus complexed2 with a pre-transfer editing substrate analogue in both3 synthetic active site and editing site
26	d1h3na3	Alignment	not modelled	100.0	26	Fold: Adenine nucleotide alpha hydrolase-like Superfamily: Nucleotidyl transferase Family: Class I aminoacyl-tRNA synthetases (RS), catalytic domain
27	d1ffya3	Alignment	not modelled	100.0	24	Fold: Adenine nucleotide alpha hydrolase-like Superfamily: Nucleotidyl transferase Family: Class I aminoacyl-tRNA synthetases (RS), catalytic domain
28	d1ilea3	Alignment	not modelled	100.0	23	Fold: Adenine nucleotide alpha hydrolase-like Superfamily: Nucleotidyl transferase Family: Class I aminoacyl-tRNA synthetases (RS), catalytic domain

29	d1rqga2	Alignment	not modelled	100.0	30	Fold: Adenine nucleotide alpha hydrolase-like Superfamily: Nucleotidyl transferase Family: Class I aminoacyl-tRNA synthetases (RS), catalytic domain
30	d1ivs4	Alignment	not modelled	100.0	23	Fold: Adenine nucleotide alpha hydrolase-like Superfamily: Nucleotidyl transferase Family: Class I aminoacyl-tRNA synthetases (RS), catalytic domain
31	d2d5ba2	Alignment	not modelled	100.0	46	Fold: Adenine nucleotide alpha hydrolase-like Superfamily: Nucleotidyl transferase Family: Class I aminoacyl-tRNA synthetases (RS), catalytic domain
32	d1pfva2	Alignment	not modelled	100.0	29	Fold: Adenine nucleotide alpha hydrolase-like Superfamily: Nucleotidyl transferase Family: Class I aminoacyl-tRNA synthetases (RS), catalytic domain
33	c1u0bB_	Alignment	not modelled	100.0	20	PDB header: ligase/rna Chain: B: PDB Molecule: cysteinyI trna; PDBTitle: crystal structure of cysteinyI-trna synthetase binary2 complex with trnacys
34	c3c8zB_	Alignment	not modelled	100.0	21	PDB header: ligase Chain: B: PDB Molecule: cysteinyI-trna synthetase; PDBTitle: the 1.6 a crystal structure of mshc: the rate limiting2 enzyme in the mycothiol biosynthetic pathway
35	c3sp1B_	Alignment	not modelled	100.0	16	PDB header: ligase Chain: B: PDB Molecule: cysteinyI-trna synthetase; PDBTitle: crystal structure of cysteinyI-trna synthetase (cyss) from borrelia2 burgdorferi
36	c3tqoA_	Alignment	not modelled	100.0	19	PDB header: ligase Chain: A: PDB Molecule: cysteinyI-trna synthetase; PDBTitle: structure of the cysteinyI-trna synthetase (cyss) from coxiella2 burnetii.
37	c4obyA_	Alignment	not modelled	100.0	18	PDB header: ligase Chain: A: PDB Molecule: arginine--trna ligase; PDBTitle: crystal structure of e.coli arginyI-trna synthetase and ligand binding2 studies revealed key residues in arginine recognition
38	c3fnrA_	Alignment	not modelled	100.0	13	PDB header: transferase Chain: A: PDB Molecule: arginyI-trna synthetase; PDBTitle: crystal structure of putative arginyI t-rna synthetase from2 campylobacter jejuni;
39	c6ao8A_	Alignment	not modelled	100.0	17	PDB header: ligase Chain: A: PDB Molecule: arginine--trna ligase; PDBTitle: crystal structure of arginyI-trna synthetase from neisseria2 gonorrhoeae in complex with arginine
40	c1iq0A_	Alignment	not modelled	100.0	15	PDB header: ligase Chain: A: PDB Molecule: arginyI-trna synthetase; PDBTitle: thermus thermophilus arginyI-trna synthetase
41	c5jldA_	Alignment	not modelled	100.0	13	PDB header: ligase Chain: A: PDB Molecule: arginyI-trna synthetase, putative; PDBTitle: crystal structure of arginyI-trna synthetase from plasmodium2 falciparum (pfrrs)
42	c2zufA_	Alignment	not modelled	100.0	20	PDB header: ligase/rna Chain: A: PDB Molecule: arginyI-trna synthetase; PDBTitle: crystal structure of pyrococcus horikoshii arginyI-trna2 synthetase complexed with trna(arg)
43	d1lI5a2	Alignment	not modelled	100.0	21	Fold: Adenine nucleotide alpha hydrolase-like Superfamily: Nucleotidyl transferase Family: Class I aminoacyl-tRNA synthetases (RS), catalytic domain
44	c1f7uA_	Alignment	not modelled	100.0	17	PDB header: ligase/rna Chain: A: PDB Molecule: arginyI-trna synthetase; PDBTitle: crystal structure of the arginyI-trna synthetase complexed with the2 trna(arg) and I-arg
45	c4r3zB_	Alignment	not modelled	100.0	19	PDB header: protein binding/ligase Chain: B: PDB Molecule: arginine--trna ligase, cytoplasmic; PDBTitle: crystal structure of human argrs-glnrs-aimp1 complex
46	c4q2tB_	Alignment	not modelled	100.0	17	PDB header: ligase Chain: B: PDB Molecule: arginine--trna ligase, cytoplasmic; PDBTitle: crystal structure of arginyI-trna synthetase complexed with I-arginine
47	d1f7ua2	Alignment	not modelled	100.0	13	Fold: Adenine nucleotide alpha hydrolase-like Superfamily: Nucleotidyl transferase Family: Class I aminoacyl-tRNA synthetases (RS), catalytic domain
48	d1iq0a2	Alignment	not modelled	100.0	16	Fold: Adenine nucleotide alpha hydrolase-like Superfamily: Nucleotidyl transferase Family: Class I aminoacyl-tRNA synthetases (RS), catalytic domain
49	d1irxa2	Alignment	not modelled	100.0	18	Fold: Adenine nucleotide alpha hydrolase-like Superfamily: Nucleotidyl transferase Family: Class I aminoacyl-tRNA synthetases (RS), catalytic domain
50	d1rqga1	Alignment	not modelled	100.0	28	Fold: Anticodon-binding domain of a subclass of class I aminoacyl-tRNA synthetases Superfamily: Anticodon-binding domain of a subclass of class I aminoacyl-tRNA synthetases Family: Anticodon-binding domain of a subclass of class I aminoacyl-tRNA synthetases
51	d1pfva1	Alignment	not modelled	99.9	21	Fold: Anticodon-binding domain of a subclass of class I aminoacyl-tRNA synthetases Superfamily: Anticodon-binding domain of a subclass of class I aminoacyl-tRNA synthetases Family: Anticodon-binding domain of a subclass of class I aminoacyl-tRNA synthetases
52	c1g59A_	Alignment	not modelled	99.9	17	PDB header: ligase/rna Chain: A: PDB Molecule: glutamyl-trna synthetase; PDBTitle: glutamyl-trna synthetase complexed with trna(glu).
53	c3afhA_	Alignment	not modelled	99.9	16	PDB header: ligase Chain: A: PDB Molecule: glutamyl-trna synthetase 2; PDBTitle: crystal structure of thermotoga maritima nondiscriminating glutamyl-2 trna synthetase in complex with a glutamyl-amp analog
						Fold: Anticodon-binding domain of a subclass of class I aminoacyl-tRNA synthetases

54	d2d5ba1	Alignment	not modelled	99.9	31	Superfamily: Anticodon-binding domain of a subclass of class I aminoacyl-tRNA synthetases Family: Anticodon-binding domain of a subclass of class I aminoacyl-tRNA synthetases
55	c1irxA	Alignment	not modelled	99.9	16	PDB header: ligase Chain: A: PDB Molecule: lysyl-trna synthetase; PDBTitle: crystal structure of class i lysyl-trna synthetase
56	c5h4vE	Alignment	not modelled	99.9	16	PDB header: ligase Chain: E: PDB Molecule: glutamate--trna ligase; PDBTitle: structure of glutamyl-trna synthetase (xoo1504) from xanthomonas2 oryzae pv. oryzae
57	c2cfoA	Alignment	not modelled	99.9	14	PDB header: ligase Chain: A: PDB Molecule: glutamyl-trna synthetase; PDBTitle: non-discriminating glutamyl-trna synthetase from2 thermosynechococcus elongatus in complex with glu
58	c2o5rA	Alignment	not modelled	99.9	14	PDB header: ligase Chain: A: PDB Molecule: glutamyl-trna synthetase 1; PDBTitle: crystal structure of glutamyl-trna synthetase 1 (ec 6.1.1.17)2 (glutamate-trna ligase 1) (glurs 1) (tm1351) from thermotoga maritima3 at 2.5 a resolution
59	d1qtra2	Alignment	not modelled	99.9	15	Fold: Adenine nucleotide alpha hydrolase-like Superfamily: Nucleotidyl transferase Family: Class I aminoacyl-tRNA synthetases (RS), catalytic domain
60	c2ja2A	Alignment	not modelled	99.9	14	PDB header: ligase Chain: A: PDB Molecule: glutamyl-trna synthetase; PDBTitle: mycobacterium tuberculosis glutamyl-trna synthetase
61	c6b1pA	Alignment	not modelled	99.9	17	PDB header: ligase Chain: A: PDB Molecule: glutamate--trna ligase 1; PDBTitle: crystal structure of glutamate-trna synthetase from helicobacter2 pylori
62	c4xkzA	Alignment	not modelled	99.9	17	PDB header: ligase Chain: A: PDB Molecule: valine-trna ligase; PDBTitle: crystal structure of the c-terminal anticodon loop binding domain of a2 valyl-trna synthetase from pseudomonas aeruginosa
63	c5tgtA	Alignment	not modelled	99.8	15	PDB header: ligase Chain: A: PDB Molecule: glutamate--trna ligase; PDBTitle: crystal structure of glytamyl-trna synthetase glurs from pseudomonas2 aeruginosa
64	c4griB	Alignment	not modelled	99.8	11	PDB header: ligase Chain: B: PDB Molecule: glutamate--trna ligase; PDBTitle: crystal structure of a glutamyl-trna synthetase glurs from borrelia2 burgdorferi bound to glutamic acid and zinc
65	c2hz7A	Alignment	not modelled	99.8	12	PDB header: ligase Chain: A: PDB Molecule: glutamyl-trna synthetase; PDBTitle: crystal structure of the glutamyl-trna synthetase from deinococcus2 radiodurans
66	c1exdA	Alignment	not modelled	99.8	13	PDB header: ligase/rna Chain: A: PDB Molecule: glutamyl-trna synthetase; PDBTitle: crystal structure of a tight-binding glutamine trna bound2 to glutamine aminoacyl trna synthetase
67	c4p2bA	Alignment	not modelled	99.8	17	PDB header: ligase Chain: A: PDB Molecule: glutamine aminoacyl-trna synthetase; PDBTitle: crystal structure of the apo form of the glutamyl-trna synthetase2 catalytic domain from toxoplasma gondii.
68	d1ilea1	Alignment	not modelled	99.8	16	Fold: Anticodon-binding domain of a subclass of class I aminoacyl-tRNA synthetases Superfamily: Anticodon-binding domain of a subclass of class I aminoacyl-tRNA synthetases Family: Anticodon-binding domain of a subclass of class I aminoacyl-tRNA synthetases
69	c3al0C	Alignment	not modelled	99.8	17	PDB header: ligase/rna Chain: C: PDB Molecule: glutamyl-trna(gln) amidotransferase subunit c,linker, PDBTitle: crystal structure of the glutamine transamidosome from thermotoga2 maritima in the glutamylation state.
70	d1qu3a1	Alignment	not modelled	99.8	11	Fold: Anticodon-binding domain of a subclass of class I aminoacyl-tRNA synthetases Superfamily: Anticodon-binding domain of a subclass of class I aminoacyl-tRNA synthetases Family: Anticodon-binding domain of a subclass of class I aminoacyl-tRNA synthetases
71	c5bnzA	Alignment	not modelled	99.8	16	PDB header: ligase Chain: A: PDB Molecule: glutamine--trna ligase; PDBTitle: crystal structure of glutamine-trna ligase /glutamyl-trna synthetase2 (glnrs) from pseudomonas aeruginosa
72	d1ivsa2	Alignment	not modelled	99.7	17	Fold: Anticodon-binding domain of a subclass of class I aminoacyl-tRNA synthetases Superfamily: Anticodon-binding domain of a subclass of class I aminoacyl-tRNA synthetases Family: Anticodon-binding domain of a subclass of class I aminoacyl-tRNA synthetases
73	d1ffya1	Alignment	not modelled	99.7	12	Fold: Anticodon-binding domain of a subclass of class I aminoacyl-tRNA synthetases Superfamily: Anticodon-binding domain of a subclass of class I aminoacyl-tRNA synthetases Family: Anticodon-binding domain of a subclass of class I aminoacyl-tRNA synthetases
74	c6b1zA	Alignment	not modelled	99.7	11	PDB header: ligase Chain: A: PDB Molecule: glutamate--trna ligase; PDBTitle: crystal structure of glutamate-trna synthetase from elizabethkingia2 anophelis
75	c4g6zA	Alignment	not modelled	99.7	19	PDB header: ligase Chain: A: PDB Molecule: glutamate-trna ligase; PDBTitle: crystal structure of a glutamyl-trna synthetase glurs from2 burkholderia thailandensis bound to l-glutamate
76	c5zdoA	Alignment	not modelled	99.7	15	PDB header: ligase Chain: A: PDB Molecule: glutamine-trna ligase; PDBTitle: crystal structure analysis of ttqrs in co-crystallised with atp
77	c4h3zA	Alignment	not modelled	99.7	14	PDB header: ligase Chain: A: PDB Molecule: glutamine-trna ligase;

77	c4t3a	Alignment	not modelled	99.7	14	PDBTitle: the structure of glutamyl-trna synthetase from saccharomyces2 cerevisiae
78	c4r3zC	Alignment	not modelled	99.7	13	PDB header: protein binding/ligase Chain: C: PDB Molecule: glutamine--trna ligase; PDBTitle: crystal structure of human argrs-glhrs-aimp1 complex
79	d1j09a2	Alignment	not modelled	99.7	14	Fold: Adenine nucleotide alpha hydrolase-like Superfamily: Nucleotidyl transferase Family: Class I aminoacyl-tRNA synthetases (RS), catalytic domain
80	c3aiiA	Alignment	not modelled	99.6	18	PDB header: ligase Chain: A: PDB Molecule: glutamyl-trna synthetase; PDBTitle: archaeal non-discriminating glutamyl-trna synthetase from2 methanothermobacter thermautotrophicus
81	c4ye6A	Alignment	not modelled	99.6	13	PDB header: ligase Chain: A: PDB Molecule: glutamine--trna ligase; PDBTitle: the crystal structure of the intact human glhrs
82	d1h3na1	Alignment	not modelled	99.6	16	Fold: Anticodon-binding domain of a subclass of class I aminoacyl-tRNA synthetases Superfamily: Anticodon-binding domain of a subclass of class I aminoacyl-tRNA synthetases Family: Anticodon-binding domain of a subclass of class I aminoacyl-tRNA synthetases
83	d1nzza	Alignment	not modelled	99.3	15	Fold: Adenine nucleotide alpha hydrolase-like Superfamily: Nucleotidyl transferase Family: Class I aminoacyl-tRNA synthetases (RS), catalytic domain
84	d1iq0a1	Alignment	not modelled	98.8	14	Fold: Anticodon-binding domain of a subclass of class I aminoacyl-tRNA synthetases Superfamily: Anticodon-binding domain of a subclass of class I aminoacyl-tRNA synthetases Family: Anticodon-binding domain of a subclass of class I aminoacyl-tRNA synthetases
85	c2cybA	Alignment	not modelled	98.7	20	PDB header: ligase Chain: A: PDB Molecule: tyrosyl-trna synthetase; PDBTitle: crystal structure of tyrosyl-trna synthetase complexed with2 l-tyrosine from archaeoglobus fulgidus
86	c1h3eA	Alignment	not modelled	98.6	21	PDB header: ligase Chain: A: PDB Molecule: tyrosyl-trna synthetase; PDBTitle: tyrosyl-trna synthetase from thermus thermophilus complexed with wild-2 type trnatyr(gua) and with atp and tyrosinol
87	c3tzeA	Alignment	not modelled	98.6	12	PDB header: ligase Chain: A: PDB Molecule: tryptophanyl-trna synthetase; PDBTitle: crystal structure of a tryptophanyl-trna synthetase from2 encephalitozoon cuniculi bound to tryptophan
88	c6otjA	Alignment	not modelled	98.5	18	PDB header: ligase Chain: A: PDB Molecule: tyrosine--trna ligase; PDBTitle: crystal structure of tyrosyl-trna synthetase from neisseria2 gonorrhoeae with bound l-tyr
89	c4j75B	Alignment	not modelled	98.5	12	PDB header: ligase Chain: B: PDB Molecule: tryptophanyl-trna synthetase; PDBTitle: crystal structure of a parasite trna synthetase, product-bound
90	d1f7ua1	Alignment	not modelled	98.5	11	Fold: Anticodon-binding domain of a subclass of class I aminoacyl-tRNA synthetases Superfamily: Anticodon-binding domain of a subclass of class I aminoacyl-tRNA synthetases Family: Anticodon-binding domain of a subclass of class I aminoacyl-tRNA synthetases
91	c3a05A	Alignment	not modelled	98.5	16	PDB header: ligase Chain: A: PDB Molecule: tryptophanyl-trna synthetase; PDBTitle: crystal structure of tryptophanyl-trna synthetase from2 hyperthermophilic archaeon, aeropyrum pernix k1 complex3 with tryptophan
92	c6mtkA	Alignment	not modelled	98.4	21	PDB header: ligase Chain: A: PDB Molecule: tryptophanyl-trna synthetase; PDBTitle: crystal structure of tryptophanyl-trna synthetase from elizabethkingia2 anophelis nuhp1
93	c3kt3D	Alignment	not modelled	98.4	20	PDB header: ligase Chain: D: PDB Molecule: tryptophanyl-trna synthetase, cytoplasmic; PDBTitle: crystal structure of s. cerevisiae tryptophanyl-trna synthetase in2 complex with trpamp
94	c3h3rD	Alignment	not modelled	98.3	12	PDB header: ligase Chain: D: PDB Molecule: tryptophanyl-trna synthetase; PDBTitle: tryptophanyl-trna synthetase homolog from entamoeba histolytica
95	c2j5bA	Alignment	not modelled	98.2	18	PDB header: ligase Chain: A: PDB Molecule: tyrosyl-trna synthetase; PDBTitle: structure of the tyrosyl trna synthetase from acanthamoeba polyphaga2 mimivirus complexed with tyrosinol
96	d1h3fa1	Alignment	not modelled	97.5	26	Fold: Adenine nucleotide alpha hydrolase-like Superfamily: Nucleotidyl transferase Family: Class I aminoacyl-tRNA synthetases (RS), catalytic domain
97	c3jxeB	Alignment	not modelled	97.3	16	PDB header: ligase Chain: B: PDB Molecule: tryptophanyl-trna synthetase; PDBTitle: crystal structure of pyrococcus horikoshii tryptophanyl-trna2 synthetase in complex with trpamp
98	c2janD	Alignment	not modelled	97.1	14	PDB header: ligase Chain: D: PDB Molecule: tyrosyl-trna synthetase; PDBTitle: tyrosyl-trna synthetase from mycobacterium tuberculosis in2 unliganded state
99	c6ncrB	Alignment	not modelled	97.1	18	PDB header: ligase Chain: B: PDB Molecule: tryptophan--trna ligase; PDBTitle: crystal structure of tryptophan-trna ligase from chlamydia trachomatis2 with bound l-tryptophan
100	c3hv0A	Alignment	not modelled	97.1	13	PDB header: ligase Chain: A: PDB Molecule: tryptophanyl-trna synthetase; PDBTitle: tryptophanyl-trna synthetase from cryptosporidium parvum
101	c3focB	Alignment	not modelled	96.9	18	PDB header: ligase Chain: B: PDB Molecule: tryptophanyl-trna synthetase; PDBTitle: tryptophanyl-trna synthetase from giardia lamblia

102	d1n3la_	Alignment	not modelled	96.9	16	Fold: Adenine nucleotide alpha hydrolase-like Superfamily: Nucleotidylyl transferase Family: Class I aminoacyl-tRNA synthetases (RS), catalytic domain
103	c1jiiA_	Alignment	not modelled	96.9	14	PDB header: ligase Chain: A: PDB Molecule: tyrosyl-trna synthetase; PDBTitle: crystal structure of s. aureus tyrrs in complex with sb-219383
104	c2dlcX_	Alignment	not modelled	96.9	15	PDB header: ligase/trna Chain: X: PDB Molecule: tyrosyl-trna synthetase, cytoplasmic; PDBTitle: crystal structure of the ternary complex of yeast tyrosyl-trna2 synthetase
105	c2ip1A_	Alignment	not modelled	96.8	14	PDB header: ligase Chain: A: PDB Molecule: tryptophanyl-trna synthetase; PDBTitle: crystal structure analysis of s. cerevisiae tryptophanyl trna2 synthetase
106	c2quiB_	Alignment	not modelled	96.7	21	PDB header: ligase Chain: B: PDB Molecule: tryptophanyl-trna synthetase; PDBTitle: crystal structures of human tryptophanyl-trna synthetase in2 complex with tryptophanamide and atp
107	c3i05B_	Alignment	not modelled	96.7	16	PDB header: ligase Chain: B: PDB Molecule: tryptophanyl-trna synthetase; PDBTitle: tryptophanyl-trna synthetase from trypanosoma brucei
108	d1jlua_	Alignment	not modelled	96.7	16	Fold: Adenine nucleotide alpha hydrolase-like Superfamily: Nucleotidylyl transferase Family: Class I aminoacyl-tRNA synthetases (RS), catalytic domain
109	c1q11A_	Alignment	not modelled	96.6	17	PDB header: ligase Chain: A: PDB Molecule: tyrosyl-trna synthetase; PDBTitle: crystal structure of an active fragment of human tyrosyl-trna2 synthetase with tyrosinol
110	c1r6uB_	Alignment	not modelled	96.6	17	PDB header: ligase Chain: B: PDB Molecule: tryptophanyl-trna synthetase; PDBTitle: crystal structure of an active fragment of human tryptophanyl-trna2 synthetase with cytokine activity
111	d1r6ta2	Alignment	not modelled	96.6	18	Fold: Adenine nucleotide alpha hydrolase-like Superfamily: Nucleotidylyl transferase Family: Class I aminoacyl-tRNA synthetases (RS), catalytic domain
112	c3prhB_	Alignment	not modelled	96.5	16	PDB header: ligase Chain: B: PDB Molecule: tryptophanyl-trna synthetase; PDBTitle: tryptophanyl-trna synthetase val144pro mutant from b. subtilis
113	c2el7A_	Alignment	not modelled	96.5	17	PDB header: ligase Chain: A: PDB Molecule: tryptophanyl-trna synthetase; PDBTitle: crystal structure of tryptophanyl-trna synthetase from thermus2 thermophilus
114	c6n0wA_	Alignment	not modelled	96.4	17	PDB header: ligase Chain: A: PDB Molecule: tyrosine--trna ligase; PDBTitle: crystal structure of a tyrosine--trna ligase from elizabethkingia2 anophelis
115	d1jila_	Alignment	not modelled	96.4	14	Fold: Adenine nucleotide alpha hydrolase-like Superfamily: Nucleotidylyl transferase Family: Class I aminoacyl-tRNA synthetases (RS), catalytic domain
116	d1i6la_	Alignment	not modelled	96.4	19	Fold: Adenine nucleotide alpha hydrolase-like Superfamily: Nucleotidylyl transferase Family: Class I aminoacyl-tRNA synthetases (RS), catalytic domain
117	c3vgjB_	Alignment	not modelled	96.4	6	PDB header: ligase Chain: B: PDB Molecule: tyrosyl-trna synthetase, putative; PDBTitle: crystal of plasmodium falciparum tyrosyl-trna synthetase (pftyrrs)in2 complex with adenylate analog
118	c2rkjM_	Alignment	not modelled	96.4	19	PDB header: ligase/rna Chain: M: PDB Molecule: tyrosyl-trna synthetase; PDBTitle: cocrystal structure of a tyrosyl-trna synthetase splicing factor with2 a group i intron rna
119	c3sz3A_	Alignment	not modelled	96.4	15	PDB header: ligase Chain: A: PDB Molecule: tryptophanyl-trna synthetase; PDBTitle: crystal structure of tryptophanyl-trna synthetase from vibrio cholerae2 with an endogenous tryptophan
120	c5tevA_	Alignment	not modelled	96.3	15	PDB header: ligase Chain: A: PDB Molecule: tryptophan--trna ligase; PDBTitle: crystal structure of a tryptophanyl-trna synthetase from neisseria2 gonorrhoeae, apo