
































#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c1qf6A_	 Alignment		100.0	100	PDB header: ligase/rna Chain: A: PDB Molecule: threonyl-trna synthetase; PDBTitle: structure of e. coli threonyl-trna synthetase complexed with its2 cognate trna
2	c1nyqA_	 Alignment		100.0	44	PDB header: ligase Chain: A: PDB Molecule: threonyl-trna synthetase 1; PDBTitle: structure of staphylococcus aureus threonyl-trna synthetase2 complexed with an analogue of threonyl adenylate
3	c3a32A_	 Alignment		100.0	30	PDB header: ligase Chain: A: PDB Molecule: probable threonyl-trna synthetase 1; PDBTitle: crystal structure of putative threonyl-trna synthetase2 thrs-1 from aeropyrum pernix
4	c1fyfB_	 Alignment		100.0	100	PDB header: ligase Chain: B: PDB Molecule: threonyl-trna synthetase; PDBTitle: crystal structure of a truncated form of threonyl-trna2 synthetase complexed with a seryl adenylate analog
5	c2i4lC_	 Alignment		100.0	22	PDB header: ligase Chain: C: PDB Molecule: proline-trna ligase; PDBTitle: rhodopseudomonas palustris prolyl-trna synthetase
6	d1nyra4	 Alignment		100.0	41	Fold: Class II aaRS and biotin synthetases Superfamily: Class II aaRS and biotin synthetases Family: Class II aminoacyl-tRNA synthetase (aaRS)-like, catalytic domain
7	c2j3mA_	 Alignment		100.0	22	PDB header: ligase Chain: A: PDB Molecule: prolyl-trna synthetase; PDBTitle: prolyl-trna synthetase from enterococcus faecalis complexed2 with atp, manganese and prolinol
8	d1qf6a4	 Alignment		100.0	100	Fold: Class II aaRS and biotin synthetases Superfamily: Class II aaRS and biotin synthetases Family: Class II aminoacyl-tRNA synthetase (aaRS)-like, catalytic domain
9	c1ggmB_	 Alignment		100.0	19	PDB header: ligase Chain: B: PDB Molecule: protein (glycyl-trna synthetase); PDBTitle: glycyl-trna synthetase from thermus thermophilus complexed with2 glycyl-adenylate
10	c3ialB_	 Alignment		100.0	21	PDB header: ligase Chain: B: PDB Molecule: prolyl-trna synthetase; PDBTitle: giardia lamblia prolyl-trna synthetase in complex with prolyl-2 adenylate
11	c1atiA_	 Alignment		100.0	18	PDB header: protein biosynthesis Chain: A: PDB Molecule: glycyl-trna synthetase; PDBTitle: crystal structure of glycyl-trna synthetase from thermus thermophilus

12	c1nj8C_	Alignment		100.0	21	PDB header: ligase Chain: C: PDB Molecule: proline-tRNA synthetase; PDBTitle: crystal structure of prolyl-tRNA synthetase from2 methanocaldococcus janaschii
13	c1h4tD_	Alignment		100.0	23	PDB header: aminoacyl-tRNA synthetase Chain: D: PDB Molecule: prolyl-tRNA synthetase; PDBTitle: prolyl-tRNA synthetase from thermus thermophilus complexed2 with l-proline
14	c1nj2A_	Alignment		100.0	22	PDB header: ligase Chain: A: PDB Molecule: proline-tRNA synthetase; PDBTitle: crystal structure of prolyl-tRNA synthetase from methanothermobacter2 thermautotrophicus
15	c1g5hA_	Alignment		100.0	14	PDB header: dna binding protein Chain: A: PDB Molecule: mitochondrial dna polymerase accessory subunit; PDBTitle: crystal structure of the accessory subunit of murine mitochondrial2 polymerase gamma
16	c2pmfA_	Alignment		100.0	20	PDB header: ligase Chain: A: PDB Molecule: glycyl-tRNA synthetase; PDBTitle: the crystal structure of a human glycyl-tRNA synthetase mutant
17	c1tkeA_	Alignment		100.0	100	PDB header: ligase Chain: A: PDB Molecule: threonyl-tRNA synthetase; PDBTitle: crystal structure of the editing domain of threonyl-tRNA2 synthetase complexed with serine
18	c3ikmC_	Alignment		100.0	15	PDB header: transferase Chain: C: PDB Molecule: dna polymerase subunit gamma-2; PDBTitle: crystal structure of human mitochondrial dna polymerase2 holoenzyme
19	c2el9B_	Alignment		100.0	16	PDB header: ligase Chain: B: PDB Molecule: histidyl-tRNA synthetase; PDBTitle: crystal structure of e.coli histidyl-tRNA synthetase2 complexed with a histidyl-adenylate analogue
20	c1qe0B_	Alignment		100.0	18	PDB header: ligase Chain: B: PDB Molecule: histidyl-tRNA synthetase; PDBTitle: crystal structure of apo s. aureus histidyl-tRNA synthetase
21	c1adyA_	Alignment	not modelled	100.0	21	PDB header: trna synthetase Chain: A: PDB Molecule: histidyl-tRNA synthetase; PDBTitle: histidyl-tRNA synthetase in complex with histidyl-adenylate
22	c3netB_	Alignment	not modelled	100.0	14	PDB header: ligase Chain: B: PDB Molecule: histidyl-tRNA synthetase; PDBTitle: crystal structure of histidyl-tRNA synthetase from nostoc sp. pcc 7120
23	c3hriF_	Alignment	not modelled	100.0	15	PDB header: ligase Chain: F: PDB Molecule: histidyl-tRNA synthetase; PDBTitle: histidyl-tRNA synthetase (apo) from trypanosoma brucei
24	c2cj9A_	Alignment	not modelled	100.0	15	PDB header: ligase Chain: A: PDB Molecule: seryl-tRNA synthetase; PDBTitle: crystal structure of methanosarcina barkeri seryl-tRNA2 synthetase complexed with an analog of seryladenylate
25	c3qo8A_	Alignment	not modelled	100.0	16	PDB header: ligase Chain: A: PDB Molecule: seryl-tRNA synthetase, cytoplasmic; PDBTitle: crystal structure of seryl-tRNA synthetase from candida albicans
26	c2dq0A_	Alignment	not modelled	100.0	14	PDB header: ligase Chain: A: PDB Molecule: seryl-tRNA synthetase; PDBTitle: crystal structure of seryl-tRNA synthetase from pyrococcus2 horikoshii complexed with a seryl-adenylate analog
27	c1wu7A_	Alignment	not modelled	100.0	17	PDB header: ligase Chain: A: PDB Molecule: histidyl-tRNA synthetase; PDBTitle: crystal structure of histidyl-tRNA synthetase from2 thermoplasma acidophilum
28	c1sryB_	Alignment	not modelled	100.0	13	PDB header: ligase(synthetase) Chain: B: PDB Molecule: seryl-tRNA synthetase; PDBTitle: refined crystal structure of the seryl-tRNA synthetase from2 thermus thermophilus at 2.5 angstroms resolution Fold: Class II aaRS and biotin synthetases

29	dlseta2	Alignment	not modelled	100.0	16	Superfamily: Class II aaRS and biotin synthetases Family: Class II aminoacyl-tRNA synthetase (aaRS)-like, catalytic domain
30	clwleB	Alignment	not modelled	100.0	20	PDB header: ligase Chain: B: PDB Molecule: seryl-trna synthetase; PDBTitle: crystal structure of mammalian mitochondrial seryl-trna2 synthetase complexed with seryl-adenylate
31	c2dq3A	Alignment	not modelled	100.0	15	PDB header: ligase Chain: A: PDB Molecule: seryl-trna synthetase; PDBTitle: crystal structure of aaq_298
32	dlnj8a3	Alignment	not modelled	100.0	19	Fold: Class II aaRS and biotin synthetases Superfamily: Class II aaRS and biotin synthetases Family: Class II aminoacyl-tRNA synthetase (aaRS)-like, catalytic domain
33	c3lssA	Alignment	not modelled	100.0	15	PDB header: ligase Chain: A: PDB Molecule: seryl-trna synthetase; PDBTitle: trypanosoma brucei seryl-trna synthetase in complex with atp
34	dlnyra3	Alignment	not modelled	100.0	51	Fold: RRF/tRNA synthetase additional domain-like Superfamily: ThrRS/AlaRS common domain Family: Threonyl-tRNA synthetase (ThrRS), second 'additional' domain
35	dlhc7a2	Alignment	not modelled	100.0	20	Fold: Class II aaRS and biotin synthetases Superfamily: Class II aaRS and biotin synthetases Family: Class II aminoacyl-tRNA synthetase (aaRS)-like, catalytic domain
36	dltkea2	Alignment	not modelled	100.0	100	Fold: RRF/tRNA synthetase additional domain-like Superfamily: ThrRS/AlaRS common domain Family: Threonyl-tRNA synthetase (ThrRS), second 'additional' domain
37	dlnj1a3	Alignment	not modelled	100.0	20	Fold: Class II aaRS and biotin synthetases Superfamily: Class II aaRS and biotin synthetases Family: Class II aminoacyl-tRNA synthetase (aaRS)-like, catalytic domain
38	c3errB	Alignment	not modelled	100.0	16	PDB header: ligase Chain: B: PDB Molecule: fusion protein of microtubule binding domain from PDBTitle: microtubule binding domain from mouse cytoplasmic dynein as2 a fusion with seryl-trna synthetase
39	c3od1A	Alignment	not modelled	100.0	13	PDB header: transferase Chain: A: PDB Molecule: atp phosphoribosyltransferase regulatory subunit; PDBTitle: the crystal structure of an atp phosphoribosyltransferase regulatory2 subunit/histidyl-trna synthetase from bacillus halodurans c
40	dlb76a2	Alignment	not modelled	100.0	16	Fold: Class II aaRS and biotin synthetases Superfamily: Class II aaRS and biotin synthetases Family: Class II aminoacyl-tRNA synthetase (aaRS)-like, catalytic domain
41	dlatia2	Alignment	not modelled	100.0	17	Fold: Class II aaRS and biotin synthetases Superfamily: Class II aaRS and biotin synthetases Family: Class II aminoacyl-tRNA synthetase (aaRS)-like, catalytic domain
42	c3mf2B	Alignment	not modelled	100.0	17	PDB header: ligase Chain: B: PDB Molecule: blI0957 protein; PDBTitle: crystal structure of class ii aaRS homologue (blI0957) complexed with2 amp
43	dlg5ha2	Alignment	not modelled	100.0	15	Fold: Class II aaRS and biotin synthetases Superfamily: Class II aaRS and biotin synthetases Family: Class II aminoacyl-tRNA synthetase (aaRS)-like, catalytic domain
44	dlwu7a2	Alignment	not modelled	100.0	15	Fold: Class II aaRS and biotin synthetases Superfamily: Class II aaRS and biotin synthetases Family: Class II aminoacyl-tRNA synthetase (aaRS)-like, catalytic domain
45	d2g4ca2	Alignment	not modelled	100.0	12	Fold: Class II aaRS and biotin synthetases Superfamily: Class II aaRS and biotin synthetases Family: Class II aminoacyl-tRNA synthetase (aaRS)-like, catalytic domain
46	dlkmma2	Alignment	not modelled	100.0	18	Fold: Class II aaRS and biotin synthetases Superfamily: Class II aaRS and biotin synthetases Family: Class II aminoacyl-tRNA synthetase (aaRS)-like, catalytic domain
47	c2zimA	Alignment	not modelled	100.0	17	PDB header: ligase Chain: A: PDB Molecule: pyrrolysyl-trna synthetase; PDBTitle: pyrrolysyl-trna synthetase bound to adenylated pyrrolysine and2 pyrophosphate
48	dlqf6a1	Alignment	not modelled	100.0	100	Fold: Anticodon-binding domain-like Superfamily: Class II aaRS ABD-related Family: Anticodon-binding domain of Class II aaRS
49	c2znjB	Alignment	not modelled	100.0	16	PDB header: ligase Chain: B: PDB Molecule: putative uncharacterized protein; PDBTitle: crystal structure of pyrrolysyl-trna synthetase from2 desulfotobacterium hafniense
50	dlnyra1	Alignment	not modelled	100.0	44	Fold: Anticodon-binding domain-like Superfamily: Class II aaRS ABD-related Family: Anticodon-binding domain of Class II aaRS
51	c3racA	Alignment	not modelled	100.0	15	PDB header: ligase Chain: A: PDB Molecule: histidine-trna ligase; PDBTitle: crystal structure of histidine-trna ligase subunit from2 alicyclobacillus acidocaldarius subsp. acidocaldarius dsm 446.
52	c2ztgA	Alignment	not modelled	100.0	17	PDB header: ligase Chain: A: PDB Molecule: alanyl-trna synthetase; PDBTitle: crystal structure of archaeoglobus fulgidus alanyl-trna2 synthetase lacking the c-terminal dimerization domain in3 complex with ala-sa
53	c2zzfA	Alignment	not modelled	100.0	14	PDB header: ligase Chain: A: PDB Molecule: alanyl-trna synthetase; PDBTitle: crystal structure of alanyl-trna synthetase without2 oligomerization domain
						Fold: Class II aaRS and biotin synthetases

54	d1z7ma1	Alignment	not modelled	100.0	18	Superfamily: Class II aaRS and biotin synthetases Family: Class II aminoacyl-tRNA synthetase (aaRS)-like, catalytic domain
55	d1v4pa_	Alignment	not modelled	100.0	20	Fold: RRF/tRNA synthetase additional domain-like Superfamily: ThrRS/AlaRS common domain Family: AlaX-like
56	d1h4vb2	Alignment	not modelled	99.9	19	Fold: Class II aaRS and biotin synthetases Superfamily: Class II aaRS and biotin synthetases Family: Class II aminoacyl-tRNA synthetase (aaRS)-like, catalytic domain
57	c1z7nB_	Alignment	not modelled	99.9	18	PDB header: transferase Chain: B: PDB Molecule: atp phosphoribosyltransferase regulatory subunit; PDBTitle: atp phosphoribosyl transferase (hiszg atp-prtase) from2 lactococcus lactis with bound prpp substrate
58	d1nj8a1	Alignment	not modelled	99.9	25	Fold: Anticodon-binding domain-like Superfamily: Class II aaRS ABD-related Family: Anticodon-binding domain of Class II aaRS
59	d1nj1a1	Alignment	not modelled	99.9	28	Fold: Anticodon-binding domain-like Superfamily: Class II aaRS ABD-related Family: Anticodon-binding domain of Class II aaRS
60	d1qe0a2	Alignment	not modelled	99.9	20	Fold: Class II aaRS and biotin synthetases Superfamily: Class II aaRS and biotin synthetases Family: Class II aminoacyl-tRNA synthetase (aaRS)-like, catalytic domain
61	c3kewA_	Alignment	not modelled	99.9	17	PDB header: transferase Chain: A: PDB Molecule: dhha1 domain protein; PDBTitle: crystal structure of probable alanyl-trna-synthase from clostridium2 perfringens
62	d1hc7a1	Alignment	not modelled	99.9	29	Fold: Anticodon-binding domain-like Superfamily: Class II aaRS ABD-related Family: Anticodon-binding domain of Class II aaRS
63	d1g5ha1	Alignment	not modelled	99.9	17	Fold: Anticodon-binding domain-like Superfamily: Class II aaRS ABD-related Family: Anticodon-binding domain of Class II aaRS
64	d1atia1	Alignment	not modelled	99.9	23	Fold: Anticodon-binding domain-like Superfamily: Class II aaRS ABD-related Family: Anticodon-binding domain of Class II aaRS
65	d2g4ca1	Alignment	not modelled	99.9	17	Fold: Anticodon-binding domain-like Superfamily: Class II aaRS ABD-related Family: Anticodon-binding domain of Class II aaRS
66	d1usya_	Alignment	not modelled	99.9	11	Fold: Class II aaRS and biotin synthetases Superfamily: Class II aaRS and biotin synthetases Family: Class II aminoacyl-tRNA synthetase (aaRS)-like, catalytic domain
67	d1wu7a1	Alignment	not modelled	99.9	18	Fold: Anticodon-binding domain-like Superfamily: Class II aaRS ABD-related Family: Anticodon-binding domain of Class II aaRS
68	d1kmma1	Alignment	not modelled	99.9	14	Fold: Anticodon-binding domain-like Superfamily: Class II aaRS ABD-related Family: Anticodon-binding domain of Class II aaRS
69	d1qe0a1	Alignment	not modelled	99.8	19	Fold: Anticodon-binding domain-like Superfamily: Class II aaRS ABD-related Family: Anticodon-binding domain of Class II aaRS
70	c3g1zB_	Alignment	not modelled	99.8	14	PDB header: ligase Chain: B: PDB Molecule: putative lysyl-trna synthetase; PDBTitle: structure of idp01693/yjea, a potential t-rna synthetase from2 salmonella typhimurium
71	d2e1ba2	Alignment	not modelled	99.8	20	Fold: RRF/tRNA synthetase additional domain-like Superfamily: ThrRS/AlaRS common domain Family: AlaX-like
72	c2e1bA_	Alignment	not modelled	99.8	18	PDB header: ligase, hydrolase Chain: A: PDB Molecule: 216aa long hypothetical alanyl-trna synthetase; PDBTitle: crystal structure of the alax-m trans-editing enzyme from2 pyrococcus horikoshii
73	d1h4vb1	Alignment	not modelled	99.8	17	Fold: Anticodon-binding domain-like Superfamily: Class II aaRS ABD-related Family: Anticodon-binding domain of Class II aaRS
74	d1e1oa2	Alignment	not modelled	99.8	13	Fold: Class II aaRS and biotin synthetases Superfamily: Class II aaRS and biotin synthetases Family: Class II aminoacyl-tRNA synthetase (aaRS)-like, catalytic domain
75	d1bbua2	Alignment	not modelled	99.8	13	Fold: Class II aaRS and biotin synthetases Superfamily: Class II aaRS and biotin synthetases Family: Class II aminoacyl-tRNA synthetase (aaRS)-like, catalytic domain
76	c1wwtA_	Alignment	not modelled	99.8	28	PDB header: ligase Chain: A: PDB Molecule: threonyl-trna synthetase, cytoplasmic; PDBTitle: solution structure of the tgs domain from human threonyl-2 trna synthetase
77	d1c0aa3	Alignment	not modelled	99.7	17	Fold: Class II aaRS and biotin synthetases Superfamily: Class II aaRS and biotin synthetases Family: Class II aminoacyl-tRNA synthetase (aaRS)-like, catalytic domain
78	c1b70A_	Alignment	not modelled	99.7	16	PDB header: ligase Chain: A: PDB Molecule: phenylalanyl-trna synthetase; PDBTitle: phenylalanyl trna synthetase complexed with phenylalanine
79	d1jjca_	Alignment	not modelled	99.7	18	Fold: Class II aaRS and biotin synthetases Superfamily: Class II aaRS and biotin synthetases Family: Class II aminoacyl-tRNA synthetase (aaRS)-like, catalytic domain
						Fold: Class II aaRS and biotin synthetases Superfamily: Class II aaRS and biotin synthetases

80	d1eova2	Alignment	not modelled	99.7	17	Supersfamily: Class II aaRS and biotin synthetases Family: Class II aminoacyl-tRNA synthetase (aaRS)-like, catalytic domain
81	d1nnha_	Alignment	not modelled	99.7	14	Fold: Class II aaRS and biotin synthetases Superfamily: Class II aaRS and biotin synthetases Family: Class II aminoacyl-tRNA synthetase (aaRS)-like, catalytic domain
82	d1b8aa2	Alignment	not modelled	99.6	17	Fold: Class II aaRS and biotin synthetases Superfamily: Class II aaRS and biotin synthetases Family: Class II aminoacyl-tRNA synthetase (aaRS)-like, catalytic domain
83	d1tkea1	Alignment	not modelled	99.6	100	Fold: beta-Grasp (ubiquitin-like) Superfamily: TGS-like Family: TGS domain
84	c3l4gl_	Alignment	not modelled	99.6	12	PDB header: ligase Chain: I: PDB Molecule: phenylalanyl-trna synthetase alpha chain; PDBTitle: crystal structure of homo sapiens cytoplasmic phenylalanyl-trna2 synthetase
85	d1l0wa3	Alignment	not modelled	99.6	21	Fold: Class II aaRS and biotin synthetases Superfamily: Class II aaRS and biotin synthetases Family: Class II aminoacyl-tRNA synthetase (aaRS)-like, catalytic domain
86	d1nyra2	Alignment	not modelled	99.4	37	Fold: beta-Grasp (ubiquitin-like) Superfamily: TGS-like Family: TGS domain
87	c3e9hB_	Alignment	not modelled	99.3	17	PDB header: ligase Chain: B: PDB Molecule: lysyl-trna synthetase; PDBTitle: lysyl-trna synthetase from bacillus stearothermophilus2 complexed with l-lysylsulfamoyl adenosine
88	c1e22A_	Alignment	not modelled	99.3	14	PDB header: ligase Chain: A: PDB Molecule: lysyl-trna synthetase; PDBTitle: lysyl-trna synthetase (lysu) hexagonal form complexed with2 lysine and the non-hydrolysable atp analogue amp-pcp
89	c2du4B_	Alignment	not modelled	99.2	16	PDB header: ligase/rna Chain: B: PDB Molecule: o-phosphoseryl-trna synthetase; PDBTitle: crystal structure of archaeoglobus fulgidus o-phosphoseryl-2 trna synthetase complexed with trnacys
90	c2rhqA_	Alignment	not modelled	99.1	11	PDB header: ligase Chain: A: PDB Molecule: phenylalanyl-trna synthetase alpha chain; PDBTitle: phers from staphylococcus haemolyticus- rational protein2 engineering and inhibitor studies
91	c2kmmA_	Alignment	not modelled	99.1	22	PDB header: hydrolase Chain: A: PDB Molecule: guanosine-3',5'-bis(diphosphate) 3'- PDBTitle: solution nmr structure of the tgs domain of pg1808 from2 porphyromonas gingivalis. northeast structural genomics3 consortium target pgr122a (418-481)
92	c3bjuB_	Alignment	not modelled	99.0	18	PDB header: ligase Chain: B: PDB Molecule: lysyl-trna synthetase; PDBTitle: crystal structure of tetrameric form of human lysyl-trna2 synthetase
93	c1eqrC_	Alignment	not modelled	99.0	19	PDB header: ligase Chain: C: PDB Molecule: aspartyl-trna synthetase; PDBTitle: crystal structure of free aspartyl-trna synthetase from2 escherichia coli
94	c1efwA_	Alignment	not modelled	98.9	19	PDB header: ligase/rna Chain: A: PDB Molecule: aspartyl-trna synthetase; PDBTitle: crystal structure of aspartyl-trna synthetase from thermus2 thermophilus complexed to trnaasp from escherichia coli
95	c3hvbB_	Alignment	not modelled	98.9	18	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of the tgs domain of the clolep_03100 protein from2 clostridium leptum, northeast structural genomics consortium target3 qlr13a
96	c2xgtB_	Alignment	not modelled	98.9	13	PDB header: ligase Chain: B: PDB Molecule: asparaginyl-trna synthetase, cytoplasmic; PDBTitle: asparaginyl-trna synthetase from brugia malayi complexed2 with the sulphamoyl analogue of asparaginyl-adenylate
97	c1x55A_	Alignment	not modelled	98.9	13	PDB header: ligase Chain: A: PDB Molecule: asparaginyl-trna synthetase; PDBTitle: crystal structure of asparaginyl-trna synthetase from pyrococcus2 horikoshii complexed with asparaginyl-adenylate analogue
98	c1wydB_	Alignment	not modelled	98.8	12	PDB header: ligase Chain: B: PDB Molecule: hypothetical aspartyl-trna synthetase; PDBTitle: crystal structure of aspartyl-trna synthetase from sulfolobus tokodaii
99	c1asyA_	Alignment	not modelled	98.8	17	PDB header: complex (aminoacyl-trna synthase/trna) Chain: A: PDB Molecule: aspartyl-trna synthetase; PDBTitle: class ii aminoacyl transfer rna synthetases: crystal2 structure of yeast aspartyl-trna synthetase complexed with3 trna asp
100	c3pcoC_	Alignment	not modelled	98.8	16	PDB header: ligase Chain: C: PDB Molecule: phenylalanyl-trna synthetase, alpha subunit; PDBTitle: crystal structure of e. coli phenylalanine-trna synthetase complexed2 with phenylalanine and amp
101	c1b8aB_	Alignment	not modelled	98.8	15	PDB header: ligase Chain: B: PDB Molecule: protein (aspartyl-trna synthetase); PDBTitle: aspartyl-trna synthetase
102	c2du7C_	Alignment	not modelled	98.8	18	PDB header: ligase Chain: C: PDB Molecule: o-phosphoseryl-trna synthetase; PDBTitle: crystal structure of methanococcus jannacshii o-phosphoseryl-trna2 synthetase
103	c3m4qA_	Alignment	not modelled	98.7	16	PDB header: ligase Chain: A: PDB Molecule: asparaginyl-trna synthetase, putative; PDBTitle: entamoeba histolytica asparaginyl-trna synthetase (asnrs)
						Fold: Anticodon-binding domain-like

104	d1v95a_	Alignment	not modelled	98.6	12	Superfamily: Class II aaRS ABD-related Family: Anticodon-binding domain of Class II aaRS
105	c3ig2B_	Alignment	not modelled	98.4	12	PDB header: ligase Chain: B: PDB Molecule: phenylalanyl-trna synthetase beta chain; PDBTitle: the crystal structure of a putative phenylalanyl-trna synthetase2 (phers) beta chain domain from bacteroides fragilis to 2.1a
106	c3l4gL_	Alignment	not modelled	98.3	13	PDB header: ligase Chain: L: PDB Molecule: phenylalanyl-trna synthetase beta chain; PDBTitle: crystal structure of homo sapiens cytoplasmic phenylalanyl-trna2 synthetase
107	c3icaB_	Alignment	not modelled	98.2	14	PDB header: ligase Chain: B: PDB Molecule: phenylalanyl-trna synthetase beta chain; PDBTitle: the crystal structure of the beta subunit of a phenylalanyl-trna2 synthetase from porphyromonas gingivalis w83
108	d1jjcb5	Alignment	not modelled	98.0	16	Fold: Class II aaRS and biotin synthetases Superfamily: Class II aaRS and biotin synthetases Family: Class II aminoacyl-tRNA synthetase (aaRS)-like, catalytic domain
109	c3i7fA_	Alignment	not modelled	97.9	16	PDB header: ligase Chain: A: PDB Molecule: aspartyl-trna synthetase; PDBTitle: aspartyl trna synthetase from entamoeba histolytica
110	c2rhsB_	Alignment	not modelled	97.5	8	PDB header: ligase Chain: B: PDB Molecule: phenylalanyl-trna synthetase beta chain; PDBTitle: phers from staphylococcus haemolyticus- rational protein2 engineering and inhibitor studies
111	c3cmqA_	Alignment	not modelled	97.5	14	PDB header: ligase Chain: A: PDB Molecule: phenylalanyl-trna synthetase, mitochondrial; PDBTitle: crystal structure of human mitochondrial phenylalanine trna2 synthetase
112	d1wxqa2	Alignment	not modelled	97.3	17	Fold: beta-Grasp (ubiquitin-like) Superfamily: TGS-like Family: G domain-linked domain
113	c2ekiA_	Alignment	not modelled	97.2	20	PDB header: signaling protein Chain: A: PDB Molecule: developmentally-regulated gtp-binding protein 1; PDBTitle: solution structures of the tgs domain of human2 developmentally-regulated gtp-binding protein 1
114	c1n9wA_	Alignment	not modelled	97.1	20	PDB header: biosynthetic protein Chain: A: PDB Molecule: aspartyl-trna synthetase 2; PDBTitle: crystal structure of the non-discriminating and archaeal-2 type aspartyl-trna synthetase from thermus thermophilus
115	d1n9wa2	Alignment	not modelled	97.0	21	Fold: Class II aaRS and biotin synthetases Superfamily: Class II aaRS and biotin synthetases Family: Class II aminoacyl-tRNA synthetase (aaRS)-like, catalytic domain
116	c3pcoD_	Alignment	not modelled	96.9	16	PDB header: ligase Chain: D: PDB Molecule: phenylalanyl-trna synthetase, beta chain; PDBTitle: crystal structure of e. coli phenylalanine-trna synthetase complexed2 with phenylalanine and amp
117	c2akwB_	Alignment	not modelled	96.3	21	PDB header: ligase Chain: B: PDB Molecule: phenylalanyl-trna synthetase beta chain; PDBTitle: crystal structure of t.thermophilus phenylalanyl-trna synthetase2 complexed with p-cl-phenylalanine
118	d1zud21	Alignment	not modelled	95.5	12	Fold: beta-Grasp (ubiquitin-like) Superfamily: MoaD/ThiS Family: ThiS
119	d3c8ya2	Alignment	not modelled	94.8	25	Fold: beta-Grasp (ubiquitin-like) Superfamily: 2Fe-2S ferredoxin-like Family: 2Fe-2S ferredoxin domains from multidomain proteins
120	d1tygb_	Alignment	not modelled	93.9	13	Fold: beta-Grasp (ubiquitin-like) Superfamily: MoaD/ThiS Family: ThiS