





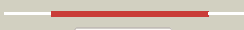





















Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD2689c (-) _3005855_3007072
Date	Wed Aug 7 12:50:34 BST 2019
Unique Job ID	b5e34eb5accec58b4

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c5xj2C_	 Alignment		100.0	23	PDB header: transferase/rna Chain: C: PDB Molecule: uncharacterized rna methyltransferase sp_1029; PDBTitle: structure of sprlmcid with u747 rna
2	c1uwvA_	 Alignment		100.0	21	PDB header: transferase Chain: A: PDB Molecule: 23s rna (uracil-5-)-methyltransferase ruma; PDBTitle: crystal structure of ruma, the iron-sulfur cluster2 containing e. coli 23s ribosomal rna 5-methyluridine3 methyltransferase
3	c2vs1A_	 Alignment		100.0	18	PDB header: transferase Chain: A: PDB Molecule: uncharacterized rna methyltransferase pyrab10780; PDBTitle: the crystal structure of pyrococcus abyssi trna (uracil-54, c5)-2 methyltransferase in complex with s-adenosyl-l-homocysteine
4	d1uwva2	 Alignment		100.0	20	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: (Uracil-5-)-methyltransferase
5	c3bt7A_	 Alignment		100.0	17	PDB header: transferase/rna Chain: A: PDB Molecule: trna (uracil-5-)-methyltransferase; PDBTitle: structure of e. coli 5-methyluridine methyltransferase trma in complex2 with 19 nucleotide t-arm analogue
6	c3c0kB_	 Alignment		100.0	18	PDB header: transferase Chain: B: PDB Molecule: upf0064 protein yccw; PDBTitle: crystal structure of a ribosomal rna methyltransferase
7	c1wxwA_	 Alignment		99.9	22	PDB header: transferase Chain: A: PDB Molecule: hypothetical protein ttha1280; PDBTitle: crystal structure of tt1595, a putative sam-dependent2 methyltransferase from thermus thermophilus hb8
8	c3vseA_	 Alignment		99.9	12	PDB header: transferase Chain: A: PDB Molecule: putative uncharacterized protein; PDBTitle: crystal structure of methyltransferase
9	c2b78A_	 Alignment		99.9	14	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: hypothetical protein smu.776; PDBTitle: a putative sam-dependent methyltransferase from streptococcus mutans
10	c4dmgA_	 Alignment		99.9	20	PDB header: transferase Chain: A: PDB Molecule: putative uncharacterized protein ttha1493; PDBTitle: thermus thermophilus m5c1942 methyltransferase rlmo
11	c2as0A_	 Alignment		99.9	18	PDB header: transferase Chain: A: PDB Molecule: hypothetical protein ph1915; PDBTitle: crystal structure of ph1915 (apc 5817): a hypothetical rna2 methyltransferase

12	c3dmgA	Alignment		99.9	17	PDB header: transferase Chain: A; PDB Molecule: probable ribosomal rna small subunit methyltransferase; PDBTitle: t. thermophilus 16s rrna n2 g1207 methyltransferase (rsmc) in complex2 with adohcy
13	c3a26A	Alignment		99.9	12	PDB header: transferase Chain: A; PDB Molecule: uncharacterized protein ph0793; PDBTitle: crystal structure of p. horikoshii tyw2 in complex with2 mesado
14	d2frna1	Alignment		99.9	12	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Met-10+ protein-like
15	d1wy7a1	Alignment		99.9	17	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Ta1320-like
16	d2as0a2	Alignment		99.8	18	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: hypothetical RNA methyltransferase
17	c3v8vB	Alignment		99.8	15	PDB header: transferase Chain: B; PDB Molecule: ribosomal rna large subunit methyltransferase I; PDBTitle: crystal structure of bifunctional methyltransferase ycbY (rlmlk) from2 escherichia coli, sam binding
18	c4df3B	Alignment		99.8	16	PDB header: transferase Chain: B; PDB Molecule: fibrillar-like rrna/trna 2'-o-methyltransferase; PDBTitle: crystal structure of aeropyrum pernix fibrillar in complex with2 natively bound s-adenosyl-l-methionine at 1.7a
19	d2b78a2	Alignment		99.8	14	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: hypothetical RNA methyltransferase
20	d1wxxa2	Alignment		99.8	21	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: hypothetical RNA methyltransferase
21	c3a27A	Alignment	not modelled	99.8	14	PDB header: transferase Chain: A; PDB Molecule: uncharacterized protein mj1557; PDBTitle: crystal structure of m. jannaschii tyw2 in complex with2 adomet
22	c5hjmA	Alignment	not modelled	99.8	15	PDB header: transferase Chain: A; PDB Molecule: trna (guanine(37)-n1)-methyltransferase trm5a; PDBTitle: crystal structure of pyrococcus abyssi trm5a complexed with mta
23	c6h2uA	Alignment	not modelled	99.8	13	PDB header: transferase Chain: A; PDB Molecule: methyltransferase-like protein 5; PDBTitle: crystal structure of human mettl5-trmt112 complex, the 18s rrna2 m6a1832 methyltransferase at 1.6a resolution
24	d2igtal	Alignment	not modelled	99.8	16	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: hypothetical RNA methyltransferase
25	c2yxdA	Alignment	not modelled	99.8	10	PDB header: transferase Chain: A; PDB Molecule: probable cobalt-precorrin-6y c(15)-methyltransferase PDBTitle: crystal structure of cobalamin biosynthesis precorrin 8w decarboxylase2 (cbt)
26	c5yacA	Alignment	not modelled	99.7	16	PDB header: rna binding protein Chain: A; PDB Molecule: trna (guanine(37)-n1)-methyltransferase trm5b; PDBTitle: crystal structure of wt trm5b from pyrococcus abyssi
27	d1prya	Alignment	not modelled	99.7	12	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Fibrillar homologue
28	d1uwva1	Alignment	not modelled	99.7	27	Fold: OB-fold Superfamily: Nucleic acid-binding proteins Family: TRAM domain

29	d1nv8a_	Alignment	not modelled	99.7	14	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: N5-glutamine methyltransferase, HemK
30	c2yx1A_	Alignment	not modelled	99.7	12	PDB header: transferase Chain: A: PDB Molecule: hypothetical protein mj0883; PDBTitle: crystal structure of m.jannaschii trna m1g37 methyltransferase
31	d2fpoa1	Alignment	not modelled	99.6	18	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: YhhF-like
32	d2b9ea1	Alignment	not modelled	99.6	22	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: NOL1/NOP2/sun
33	c3e05B_	Alignment	not modelled	99.6	12	PDB header: transferase Chain: B: PDB Molecule: precorrin-6y c5,15-methyltransferase (decarboxylating); PDBTitle: crystal structure of precorrin-6y c5,15-methyltransferase from2 geobacter metallireducens gs-15
34	d1yeza1	Alignment	not modelled	99.6	24	Fold: OB-fold Superfamily: Nucleic acid-binding proteins Family: TRAM domain
35	d1l3ia_	Alignment	not modelled	99.6	16	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Precorrin-6Y methyltransferase (CbiT)
36	c3mtiA_	Alignment	not modelled	99.6	12	PDB header: transferase Chain: A: PDB Molecule: rrna methylase; PDBTitle: the crystal structure of a rna methylase from streptococcus2 thermophilus to 1.95a
37	c5zvdB_	Alignment	not modelled	99.6	17	PDB header: rna binding protein Chain: B: PDB Molecule: 389aa long hypothetical nucleolar protein; PDBTitle: the crystal structure of nsun6 from pyrococcus horikoshii
38	d1sqga2	Alignment	not modelled	99.6	17	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: NOL1/NOP2/sun
39	d1g8sa_	Alignment	not modelled	99.6	12	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Fibrillarlin homologue
40	d1yvca1	Alignment	not modelled	99.6	27	Fold: OB-fold Superfamily: Nucleic acid-binding proteins Family: TRAM domain
41	c3lbyA_	Alignment	not modelled	99.6	9	PDB header: transferase Chain: A: PDB Molecule: putative uncharacterized protein smu.1697c; PDBTitle: crystal structure of smu.1697c, a putative methyltransferase from2 streptococcus mutans in complex with sah
42	d1ne2a_	Alignment	not modelled	99.6	18	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Ta1320-like
43	c6em5q_	Alignment	not modelled	99.5	23	PDB header: ribosome Chain: Q: PDB Molecule: 60s ribosomal protein l18-a; PDBTitle: state d architectural model (nsa1-tap flag-ytm1) - visualizing the2 assembly pathway of nucleolar pre-60s ribosomes
44	c3lpmA_	Alignment	not modelled	99.5	12	PDB header: transferase Chain: A: PDB Molecule: putative methyltransferase; PDBTitle: crystal structure of putative methyltransferase small domain protein2 from listeria monocytogenes
45	c3p9nA_	Alignment	not modelled	99.5	20	PDB header: transferase Chain: A: PDB Molecule: possible methyltransferase (methylase); PDBTitle: rv2966c of m. tuberculosis is a rsmd-like methyltransferase
46	c3egiA_	Alignment	not modelled	99.5	16	PDB header: transferase Chain: A: PDB Molecule: trimethylguanosine synthase homolog; PDBTitle: methyltransferase domain of human trimethylguanosine synthase tgs12 bound to m7gpppa (inactive form)
47	d2dula1	Alignment	not modelled	99.5	12	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: TRM1-like
48	c5ccbA_	Alignment	not modelled	99.5	16	PDB header: transferase/rna Chain: A: PDB Molecule: trna (adenine(58)-n(1))-methyltransferase catalytic subunit PDBTitle: crystal structure of human m1a58 methyltransferase in a complex with2 trna3lys and sah
49	c6b92A_	Alignment	not modelled	99.5	18	PDB header: transferase Chain: A: PDB Molecule: u6 small nuclear rna (adenine-(43)-n(6))-methyltransferase; PDBTitle: crystal structure of the n-terminal domain of human mettl16 in complex2 with sah
50	d2fhpa1	Alignment	not modelled	99.5	20	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: YhhF-like
51	d2b3ta1	Alignment	not modelled	99.5	12	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: N5-glutamine methyltransferase, HemK
52	c3tmaA_	Alignment	not modelled	99.5	19	PDB header: transferase Chain: A: PDB Molecule: methyltransferase; PDBTitle: crystal structure of trnm from thermus thermophilus
53	c3gdhC_	Alignment	not modelled	99.5	17	PDB header: transferase Chain: C: PDB Molecule: trimethylguanosine synthase homolog; PDBTitle: methyltransferase domain of human trimethylguanosine synthase 1 (tgs1)2 bound to m7gtp and adenosyl-homocysteine

					(active form)
54	c3hm2G_	Alignment	not modelled	99.5	16 PDB header: transferase Chain: G: PDB Molecule: precocorrin-6y c5,15-methyltransferase; PDBTitle: crystal structure of putative precocorrin-6y c5,15-2 methyltransferase targeted domain from corynebacterium3 diphtheriae
55	c2ozvA_	Alignment	not modelled	99.5	14 PDB header: transferase Chain: A: PDB Molecule: hypothetical protein atu0636; PDBTitle: crystal structure of a predicted o-methyltransferase, protein atu6362 from agrobacterium tumefaciens.
56	c3njrB_	Alignment	not modelled	99.5	18 PDB header: transferase Chain: B: PDB Molecule: precocorrin-6y methylase; PDBTitle: crystal structure of c-terminal domain of precocorrin-6y c5,15-2 methyltransferase from rhodobacter capsulatus
57	c2yxIA_	Alignment	not modelled	99.5	25 PDB header: transferase Chain: A: PDB Molecule: 450aa long hypothetical fmu protein; PDBTitle: crystal structure of ph0851
58	d2ifta1	Alignment	not modelled	99.5	15 Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: YhhF-like
59	c3axtA_	Alignment	not modelled	99.5	16 PDB header: transferase Chain: A: PDB Molecule: probable n(2),n(2)-dimethylguanosine trna methyltransferase PDBTitle: complex structure of trna methyltransferase trm1 from aquifex aeolicus2 with s-adenosyl-l-methionine
60	c1sqgA_	Alignment	not modelled	99.5	16 PDB header: transferase Chain: A: PDB Molecule: sun protein; PDBTitle: the crystal structure of the e. coli fmu apoenzyme at 1.652 a resolution
61	c3m6wA_	Alignment	not modelled	99.4	20 PDB header: transferase Chain: A: PDB Molecule: rrna methylase; PDBTitle: multi-site-specific 16s rrna methyltransferase rsmf from thermus2 thermophilus in space group p21212 in complex with s-adenosyl-l-3 methionine
62	c2esrB_	Alignment	not modelled	99.4	16 PDB header: transferase Chain: B: PDB Molecule: methyltransferase; PDBTitle: conserved hypothetical protein- streptococcus pyogenes
63	c2ipxA_	Alignment	not modelled	99.4	17 PDB header: transferase Chain: A: PDB Molecule: rrna 2'-o-methyltransferase fibrillarln; PDBTitle: human fibrillarln
64	d2esra1	Alignment	not modelled	99.4	15 Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: YhhF-like
65	c3m4xA_	Alignment	not modelled	99.4	22 PDB header: transferase Chain: A: PDB Molecule: nol1/nop2/sun family protein; PDBTitle: structure of a ribosomal methyltransferase
66	d1g8aa_	Alignment	not modelled	99.4	13 Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Fibrillarln homologue
67	d1ixka_	Alignment	not modelled	99.4	19 Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: NOL1/NOP2/sun
68	c5e72A_	Alignment	not modelled	99.4	11 PDB header: transferase Chain: A: PDB Molecule: n2, n2-dimethylguanosine trna methyltransferase; PDBTitle: crystal structure of the archaeal trna m2g/m22g10 methyltransferase2 (atrm11) in complex with s-adenosyl-l-methionine (sam) from3 thermococcus kodakarensis
69	c3grzA_	Alignment	not modelled	99.4	12 PDB header: transferase Chain: A: PDB Molecule: ribosomal protein l11 methyltransferase; PDBTitle: crystal structure of ribosomal protein l11 methylase from2 lactobacillus delbrueckii subsp. bulgaricus
70	c3ll7A_	Alignment	not modelled	99.4	15 PDB header: transferase Chain: A: PDB Molecule: putative methyltransferase; PDBTitle: crystal structure of putative methyltransferase pg_1098 from2 porphyromonas gingivalis w83
71	c3id5F_	Alignment	not modelled	99.4	13 PDB header: transferase/ribosomal protein/rna Chain: F: PDB Molecule: fibrillarln-like rrna/trna 2'-o-methyltransferase; PDBTitle: crystal structure of sulfolobus solfataricus c/d rnp assembled with2 nop5, fibrillarln, l7ae and a split half c/d rna
72	d1o54a_	Alignment	not modelled	99.4	18 Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: tRNA(1-methyladenosine) methyltransferase-like
73	c3tm4A_	Alignment	not modelled	99.4	14 PDB header: transferase Chain: A: PDB Molecule: trna (guanine n2-)-methyltransferase trm14; PDBTitle: crystal structure of trm14 from pyrococcus furiosus in complex with s-2 adenosylmethionine
74	d1qama_	Alignment	not modelled	99.3	13 Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: rRNA adenine dimethylase-like
75	c3a4tA_	Alignment	not modelled	99.3	18 PDB header: transferase Chain: A: PDB Molecule: putative methyltransferase mj0026; PDBTitle: crystal structure of atrm4 from m.jannaschii with sinefungin
76	d1yb2a1	Alignment	not modelled	99.3	16 Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: tRNA(1-methyladenosine) methyltransferase-like
77	c1yb2A_	Alignment	not modelled	99.3	16 PDB header: structural genomics, unknown function Chain: A: PDB Molecule: hypothetical protein ta0852; PDBTitle: structure of a putative methyltransferase from thermoplasma2 acidophilum.

78	c6q56C	Alignment	not modelled	99.3	10	PDB header: rna binding protein Chain: C: PDB Molecule: trna (adenine(22)-n(1))-methyltransferase; PDBTitle: crystal structure of the b. subtilis m1a22 trna methyltransferase trmk
79	c3evzA	Alignment	not modelled	99.3	16	PDB header: transferase Chain: A: PDB Molecule: methyltransferase; PDBTitle: crystal structure of methyltransferase from pyrococcus furiosus
80	c2yvlB	Alignment	not modelled	99.3	15	PDB header: transferase Chain: B: PDB Molecule: hypothetical protein; PDBTitle: crystal structure of trna (m1a58) methyltransferase trmi from aquifex2 aeolicus
81	d1dusa	Alignment	not modelled	99.3	13	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Hypothetical protein MJ0882
82	c2frxD	Alignment	not modelled	99.3	21	PDB header: transferase Chain: D: PDB Molecule: hypothetical protein yebu; PDBTitle: crystal structure of yebu, a m5c rna methyltransferase from e.coli
83	d2nxca1	Alignment	not modelled	99.3	16	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Ribosomal protein L11 methyltransferase PrmA
84	c3mb5A	Alignment	not modelled	99.3	15	PDB header: transferase Chain: A: PDB Molecule: sam-dependent methyltransferase; PDBTitle: crystal structure of p. abyssi trna m1a58 methyltransferase in complex2 with s-adenosyl-l-methionine
85	c3grrA	Alignment	not modelled	99.3	12	PDB header: transferase Chain: A: PDB Molecule: dimethyladenosine transferase; PDBTitle: crystal structure of the complex between s-adenosyl homocysteine and2 methanocaldococcus jannaschi dim1.
86	c6j27D	Alignment	not modelled	99.3	15	PDB header: transferase Chain: D: PDB Molecule: n(4)-bis(aminopropyl)spermidine synthase; PDBTitle: crystal structure of the branched-chain polyamine synthase from2 thermus thermophilus (tth-bpsa) in complex with n4-3 aminopropylspermidine and 5'-methylthioadenosine
87	c6h1dA	Alignment	not modelled	99.3	18	PDB header: gene regulation Chain: A: PDB Molecule: hemk methyltransferase family member 2; PDBTitle: crystal structure of c21orf127-trmt112 in complex with sah
88	c3fydA	Alignment	not modelled	99.3	12	PDB header: transferase Chain: A: PDB Molecule: probable dimethyladenosine transferase; PDBTitle: crystal structure of dim1 from the thermophilic archeon,2 methanocaldococcus jannaschi
89	c3gnlB	Alignment	not modelled	99.3	9	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: uncharacterized protein, duf633, lmof2365_1472; PDBTitle: structure of uncharacterized protein (lmof2365_1472) from listeria2 monocytogenes serotype 4b
90	c3lbfC	Alignment	not modelled	99.2	15	PDB header: transferase Chain: C: PDB Molecule: protein-l-isoaspartate o-methyltransferase; PDBTitle: crystal structure of protein l-isoaspartyl methyltransferase from2 escherichia coli
91	c4ponB	Alignment	not modelled	99.2	14	PDB header: transferase Chain: B: PDB Molecule: putative rna methylase; PDBTitle: the crystal structure of a putative sam-dependent methyltransferase,2 ytqb, from bacillus subtilis
92	c4dcmA	Alignment	not modelled	99.2	15	PDB header: transferase Chain: A: PDB Molecule: ribosomal rna large subunit methyltransferase g; PDBTitle: crystal structure of methyltransferase rlmg modifying g1835 of 23s2 rrna in escherichia coli
93	c5dplB	Alignment	not modelled	99.2	15	PDB header: transferase Chain: B: PDB Molecule: protein lysine methyltransferase 2; PDBTitle: the structure of pkmt2 from rickettsia typhi in complex with adohcy
94	c2pwyB	Alignment	not modelled	99.2	16	PDB header: transferase Chain: B: PDB Molecule: trna (adenine-n(1)-)-methyltransferase; PDBTitle: crystal structure of a m1a58 trna methyltransferase
95	c5do0A	Alignment	not modelled	99.2	12	PDB header: transferase Chain: A: PDB Molecule: protein lysine methyltransferase 1; PDBTitle: the structure of pkmt1 from rickettsia prowazekii
96	d1jg1a	Alignment	not modelled	99.2	15	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Protein-L-isoaspartyl O-methyltransferase
97	c3jwhA	Alignment	not modelled	99.2	20	PDB header: transferase Chain: A: PDB Molecule: hen1; PDBTitle: crystal structure analysis of the methyltransferase domain of2 bacterial-avhen1-c
98	c5ergB	Alignment	not modelled	99.2	16	PDB header: transferase Chain: B: PDB Molecule: trna (adenine(58)-n(1))-methyltransferase catalytic subunit PDBTitle: crystal structure of the two-subunit trna m1a58 methyltransferase2 trm6-trm61 in complex with sam
99	d2h00a1	Alignment	not modelled	99.2	16	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Methyltransferase 10 domain
100	c4dztA	Alignment	not modelled	99.2	19	PDB header: transferase Chain: A: PDB Molecule: protein-(glutamine-n5) methyltransferase, release factor- PDBTitle: the crystal structure of protein-(glutamine-n5) methyltransferase2 (release factor-specific) from alicyclobacillus acidocaldarius subsp.3 acidocaldarius dsm 446
101	c5u18A	Alignment	not modelled	99.2	25	PDB header: transferase Chain: A: PDB Molecule: n-3" methyltransferase; PDBTitle: crystal structure of a methyltransferase involved in the biosynthesis2 of gentamicin in complex with the geneticin

102	c2r6zA_	Alignment	not modelled	99.2	17	PDB header: transferase Chain: A: PDB Molecule: upf0341 protein in rsp 3' region; PDBTitle: crystal structure of the sam-dependent methyltransferase ngo1261 from <i>Neisseria gonorrhoeae</i> , northeast structural genomics consortium3 target ngr48
103	c4krhB_	Alignment	not modelled	99.2	13	PDB header: transferase Chain: B: PDB Molecule: phosphoethanolamine n-methyltransferase 2; PDBTitle: semet haemonchus contortus phosphoethanolamine n-methyltransferase 22 in complex with s-adenosyl-l-methionine
104	c5wwrA_	Alignment	not modelled	99.2	22	PDB header: transferase/rna Chain: A: PDB Molecule: putative methyltransferase nsun6; PDBTitle: crystal structure of human nsun6/trna/sfg
105	d1yzha1	Alignment	not modelled	99.2	11	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: TrmB-like
106	c4fp9F_	Alignment	not modelled	99.1	19	PDB header: transferase Chain: F: PDB Molecule: methyltransferase nsun4; PDBTitle: human mterf4-nsun4 protein complex
107	c4I7vA_	Alignment	not modelled	99.1	14	PDB header: transferase Chain: A: PDB Molecule: protein-l-isoaspartate o-methyltransferase; PDBTitle: crystal structure of protein l-isoaspartyl-o-methyltransferase of <i>Vibrio cholerae</i>
108	c4jxA_	Alignment	not modelled	99.1	11	PDB header: transferase Chain: A: PDB Molecule: ribosomal rna small subunit methyltransferase a; PDBTitle: crystal structure of ribosomal rna small subunit methyltransferase a2 from <i>Rickettsia bellii</i> determined by iodide sad phasing
109	c3eeyL_	Alignment	not modelled	99.1	11	PDB header: transferase Chain: J: PDB Molecule: putative rrna methylase; PDBTitle: crystal structure of putative rrna-methylase from <i>Clostridium thermocellum</i>
110	c3q87B_	Alignment	not modelled	99.1	20	PDB header: transferase activator/transferase Chain: B: PDB Molecule: n6 adenine specific dna methylase; PDBTitle: structure of e. cuniculi mtq2-trm112 complex responsible for the 2 methylation of erf1 translation termination factor
111	d1i9ga_	Alignment	not modelled	99.1	15	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: tRNA(1-methyladenosine) methyltransferase-like
112	c2pjdA_	Alignment	not modelled	99.1	17	PDB header: transferase Chain: A: PDB Molecule: ribosomal rna small subunit methyltransferase c; PDBTitle: crystal structure of 16s rrna methyltransferase rsmc
113	c4ineB_	Alignment	not modelled	99.1	15	PDB header: transferase Chain: B: PDB Molecule: protein pmt-2; PDBTitle: crystal structure of n-methyl transferase (pmt-2) from <i>Caenorhabditis elegans</i> complexed with s-adenosyl homocysteine and 3 phosphoethanolamine
114	d1xdza_	Alignment	not modelled	99.1	12	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Glucose-inhibited division protein B (GidB)
115	c3ku1E_	Alignment	not modelled	99.1	16	PDB header: transferase Chain: E: PDB Molecule: sam-dependent methyltransferase; PDBTitle: crystal structure of streptococcus pneumoniae sp1610, a putative trna2 (m1a22) methyltransferase, in complex with s-adenosyl-l-methionine
116	c4qttB_	Alignment	not modelled	99.1	17	PDB header: transferase Chain: B: PDB Molecule: putative methyltransferase bud23; PDBTitle: structure of s. cerevisiae bud23-trm112 complex involved in formation2 of m7g1575 on 18s rrna (apo-form)
117	d1kpia_	Alignment	not modelled	99.1	19	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Mycolic acid cyclopropane synthase
118	d1ws6a1	Alignment	not modelled	99.1	15	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: YhhF-like
119	c2yxeB_	Alignment	not modelled	99.1	13	PDB header: transferase Chain: B: PDB Molecule: protein-l-isoaspartate o-methyltransferase; PDBTitle: crystal structure of l-isoaspartyl protein carboxyl methyltransferase
120	c3jwgA_	Alignment	not modelled	99.1	17	PDB header: transferase Chain: A: PDB Molecule: methyltransferase type 12; PDBTitle: crystal structure analysis of the methyltransferase domain of <i>Flavobacterium</i> bacterial-cthen1-c