
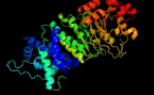
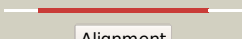

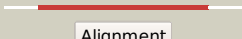



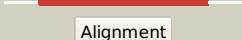



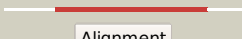





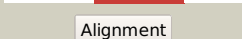

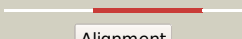











Phyre2

Email mdejesus@rockefeller.edu
 Description RVBD2756c_(hsdM)_3068471_3070093
 Date Wed Aug 7 12:50:41 BST 2019
 Unique Job ID 2a2c015003ee23db

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c3kdb_	 Alignment		100.0	26	PDB header: transferase Chain: B: PDB Molecule: type i restriction-modification system methyltransferase PDBTitle: crystal structure of the type i restriction-modification system2 methyltransferase subunit from streptococcus thermophilus, northeast3 structural genomics consortium target sur80
2	c3khkA_	 Alignment		100.0	50	PDB header: dna binding protein Chain: A: PDB Molecule: type i restriction-modification system methylation subunit; PDBTitle: crystal structure of type-i restriction-modification system2 methylation subunit (mm_0429) from methanosarchina mazel.
3	c5ybbA_	 Alignment		100.0	20	PDB header: dna binding protein/dna Chain: A: PDB Molecule: type i restriction-modification system methyltransferase PDBTitle: structural basis underlying complex assembly and conformational2 transition of the type i r-m system
4	d2okca1	 Alignment		100.0	20	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: N-6 DNA Methylase-like
5	d2ar0a1	 Alignment		100.0	24	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: N-6 DNA Methylase-like
6	c3ufbA_	 Alignment		100.0	21	PDB header: transferase Chain: A: PDB Molecule: type i restriction-modification system methyltransferase PDBTitle: crystal structure of a modification subunit of a putative type i2 restriction enzyme from vibrio vulnificus yj016
7	d2f8la1	 Alignment		100.0	17	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: N-6 DNA Methylase-like
8	c3s1sA_	 Alignment		100.0	15	PDB header: hydrolase, transferase Chain: A: PDB Molecule: restriction endonuclease bpusi; PDBTitle: characterization and crystal structure of the type iig restriction2 endonuclease bpusi
9	c5hr4J_	 Alignment		100.0	15	PDB header: hydrolase/dna Chain: J: PDB Molecule: mmei; PDBTitle: structure of type iil restriction-modification enzyme mmei in complex2 with dna has implications for engineering of new specificities
10	c1aqjB_	 Alignment		100.0	20	PDB header: methyltransferase Chain: B: PDB Molecule: adenine-n6-dna-methyltransferase taqi; PDBTitle: structure of adenine-n6-dna-methyltransferase taqi
11	c1g38A_	 Alignment		100.0	18	PDB header: transferase/dna Chain: A: PDB Molecule: modification methylase taqi; PDBTitle: adenine-specific methyltransferase m. taq i/dna complex

12	d2ih2a1	Alignment		100.0	20	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: DNA methylase Taql, N-terminal domain
13	c4xqkB	Alignment		100.0	18	PDB header: hydrolase/dna Chain: B: PDB Molecule: llabiii; PDBTitle: atp-dependent type isp restriction-modification enzyme llabiii bound2 to dna
14	c5e72A	Alignment		99.8	22	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
15	c3lduA	Alignment		99.8	16	PDB header: transferase Chain: A: PDB Molecule: putative methylase; PDBTitle: the crystal structure of a possible methylase from2 clostridium difficile 630.
16	c3ldgA	Alignment		99.8	13	PDB header: transferase Chain: A: PDB Molecule: putative uncharacterized protein smu.472; PDBTitle: crystal structure of smu.472, a putative methyltransferase complexed2 with sah
17	c6h2uA	Alignment		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
18	c3k0bA	Alignment		99.8	19	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: predicted n6-adenine-specific dna methylase; PDBTitle: crystal structure of a predicted n6-adenine-specific dna methylase2 from listeria monocytogenes str. 4b f2365
19	c3tmaA	Alignment		99.8	17	PDB header: transferase Chain: A: PDB Molecule: methyltransferase; PDBTitle: crystal structure of trmn from thermus thermophilus
20	d1wy7a1	Alignment		99.7	15	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Ta1320-like
21	c3tm4A	Alignment	not modelled	99.7	21	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
22	d1nv8a	Alignment	not modelled	99.7	16	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: N5-glutamine methyltransferase, HemK
23	c3evzA	Alignment	not modelled	99.6	11	PDB header: transferase Chain: A: PDB Molecule: methyltransferase; PDBTitle: crystal structure of methyltransferase from pyrococcus furiosus
24	c3fuxB	Alignment	not modelled	99.6	19	PDB header: transferase Chain: B: PDB Molecule: dimethyladenosine transferase; PDBTitle: t. thermophilus 16s rrna a1518 and a1519 methyltransferase (ksga) in2 complex with 5'-methylthioadenosine in space group p212121
25	c6h1dA	Alignment	not modelled	99.6	13	PDB header: gene regulation Chain: A: PDB Molecule: hemk methyltransferase family member 2; PDBTitle: crystal structure of c21orf127-trmt112 in complex with sah
26	d1zq9a1	Alignment	not modelled	99.6	14	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: rRNA adenine dimethylase-like
27	c2ozvA	Alignment	not modelled	99.5	19	PDB header: transferase Chain: A: PDB Molecule: hypothetical protein atu0636; PDBTitle: crystal structure of a predicted o-methyltransferase, protein atu6362 from agrobacterium tumefaciens.
						Fold: S-adenosyl-L-methionine-dependent methyltransferases

28	d2as0a2	Alignment	not modelled	99.5	17	Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: hypothetical RNA methyltransferase
29	d2b3ta1	Alignment	not modelled	99.5	17	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: N5- glutamine methyltransferase, HemK
30	c4dmgA_	Alignment	not modelled	99.5	13	PDB header: transferase Chain: A: PDB Molecule: putative uncharacterized protein ttha1493; PDBTitle: thermus thermophilus m5c1942 methyltransferase rlmo
31	c3v8vB_	Alignment	not modelled	99.5	21	PDB header: transferase Chain: B: PDB Molecule: ribosomal rna large subunit methyltransferase I; PDBTitle: crystal structure of bifunctional methyltransferase ycbp (rlmk) from2 escherichia coli, sam binding
32	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)
33	c3egiA_	Alignment	not modelled	99.5	14	PDB header: transferase Chain: A: PDB Molecule: trimethylguanosine synthase homolog; PDBTitle: methyltransferase domain of human trimethylguanosine synthase tgs12 bound to m7gpppa (inactive form)
34	c2b78A_	Alignment	not modelled	99.5	14	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: hypothetical protein smu.776; PDBTitle: a putative sam-dependent methyltransferase from streptococcus mutans
35	d1qyra_	Alignment	not modelled	99.5	15	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: rRNA adenine dimethylase-like
36	c2pjdA_	Alignment	not modelled	99.5	20	PDB header: transferase Chain: A: PDB Molecule: ribosomal rna small subunit methyltransferase c; PDBTitle: crystal structure of 16s rna methyltransferase rsmc
37	d1dusa_	Alignment	not modelled	99.5	21	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Hypothetical protein MJ0882
38	c3c0kB_	Alignment	not modelled	99.4	13	PDB header: transferase Chain: B: PDB Molecule: upf0064 protein yccw; PDBTitle: crystal structure of a ribosomal rna methyltransferase
39	d2b78a2	Alignment	not modelled	99.4	12	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: hypothetical RNA methyltransferase
40	c3grrA_	Alignment	not modelled	99.4	16	PDB header: transferase Chain: A: PDB Molecule: dimethyladenosine transferase; PDBTitle: crystal structure of the complex between s-adenosyl homocysteine and2 methanocaldococcus jannaschi dim1.
41	c4dcmA_	Alignment	not modelled	99.4	16	PDB header: transferase Chain: A: PDB Molecule: ribosomal rna large subunit methyltransferase g; PDBTitle: crystal structure of methyltransferase rimg modifying g1835 of 23s2 rna in escherichia coli
42	c5u18A_	Alignment	not modelled	99.4	19	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
43	c3fydA_	Alignment	not modelled	99.4	16	PDB header: transferase Chain: A: PDB Molecule: probable dimethyladenosine transferase; PDBTitle: crystal structure of dim1 from the thermophilic archeon,2 methanocaldococcus jannaschi
44	d1ne2a_	Alignment	not modelled	99.4	15	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Ta1320-like
45	c2yxIA_	Alignment	not modelled	99.4	17	PDB header: transferase Chain: A: PDB Molecule: 450aa long hypothetical fmu protein; PDBTitle: crystal structure of ph0851
46	c2as0A_	Alignment	not modelled	99.4	17	PDB header: transferase Chain: A: PDB Molecule: hypothetical protein ph1915; PDBTitle: crystal structure of ph1915 (apc 5817): a hypothetical rna2 methyltransferase
47	c6ifsB_	Alignment	not modelled	99.4	16	PDB header: transferase Chain: B: PDB Molecule: ribosomal rna small subunit methyltransferase a; PDBTitle: ksga from bacillus subtilis 168
48	d1o9ga_	Alignment	not modelled	99.4	20	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: rRNA methyltransferase AviRa
49	c3lpmA_	Alignment	not modelled	99.4	20	PDB header: transferase Chain: A: PDB Molecule: putative methyltransferase; PDBTitle: crystal structure of putative methyltransferase small domain protein2 from listeria monocytogenes
50	c3vseA_	Alignment	not modelled	99.4	15	PDB header: transferase Chain: A: PDB Molecule: putative uncharacterized protein; PDBTitle: crystal structure of methyltransferase
51	d1sqga2	Alignment	not modelled	99.4	16	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: NOL1/NOP2/sun
52	c3a26A_	Alignment	not modelled	99.4	14	PDB header: transferase Chain: A: PDB Molecule: uncharacterized protein ph0793; PDBTitle: crystal structure of p. horikoshii tyw2 in complex with2 mesado
53	d1uxya2	Alignment	not modelled	99.4	16	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent

53	c1wxxaZ	Alignment	not modelled	99.4	10	methyltransferases Family: hypothetical RNA methyltransferase
54	c3axtA	Alignment	not modelled	99.4	18	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
55	d2frna1	Alignment	not modelled	99.3	13	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Met-10+ protein-like
56	d1yuba	Alignment	not modelled	99.3	14	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: rRNA adenine dimethylase-like
57	d2fpoa1	Alignment	not modelled	99.3	15	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: YhhF-like
58	c3uzuA	Alignment	not modelled	99.3	15	PDB header: transferase Chain: A; PDB Molecule: ribosomal rna small subunit methyltransferase a; PDBTitle: the structure of the ribosomal rna small subunit methyltransferase a2 from burkholderia pseudomallei
59	c4jxA	Alignment	not modelled	99.3	13	PDB header: transferase Chain: A; PDB Molecule: ribosomal rna small subunit methyltransferase a; PDBTitle: crystal structure of ribosomal rna small subunit methyltransferase a2 from rickettsia bellii determined by iodide sad phasing
60	c1wxwA	Alignment	not modelled	99.3	14	PDB header: transferase Chain: A; PDB Molecule: hypothetical protein ttha1280; PDBTitle: crystal structure of tt1595, a putative sam-dependent2 methyltransferase from thermus thermophilus hb8
61	c3q87B	Alignment	not modelled	99.3	13	PDB header: transferase activator/transferase Chain: B; PDB Molecule: n6 adenine specific dna methylase; PDBTitle: structure of e. cuculic mltq2-trm112 complex responsible for the2 methylation of erf1 translation termination factor
62	c5yacA	Alignment	not modelled	99.3	14	PDB header: rna binding protein Chain: A; PDB Molecule: trna (guanine(37)-n1)-methyltransferase trm5b; PDBTitle: crystal structure of wt trm5b from pyrococcus abyssi
63	c3dmgA	Alignment	not modelled	99.3	21	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
64	c3lbyA	Alignment	not modelled	99.3	14	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
65	d2ifta1	Alignment	not modelled	99.3	16	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: YhhF-like
66	d1uwva2	Alignment	not modelled	99.3	21	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: (Uracil-5-)-methyltransferase
67	c3e05B	Alignment	not modelled	99.3	14	PDB header: transferase Chain: B; PDB Molecule: precocorrin-6y c5,15-methyltransferase (decarboxylating); PDBTitle: crystal structure of precocorrin-6y c5,15-methyltransferase from2 geobacter metallireducens gs-15
68	c3eeyJ	Alignment	not modelled	99.3	16	PDB header: transferase Chain: J; PDB Molecule: putative rrna methylase; PDBTitle: crystal structure of putative rrna-methylase from clostridium2 thermocellum
69	d1qama	Alignment	not modelled	99.3	15	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: rRNA adenine dimethylase-like
70	c1sqqA	Alignment	not modelled	99.3	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
71	c3a4tA	Alignment	not modelled	99.2	13	PDB header: transferase Chain: A; PDB Molecule: putative methyltransferase mj0026; PDBTitle: crystal structure of atrm4 from m.jannaschii with sinefungin
72	c3tqsB	Alignment	not modelled	99.2	13	PDB header: transferase Chain: B; PDB Molecule: ribosomal rna small subunit methyltransferase a; PDBTitle: structure of the dimethyladenosine transferase (ksga) from coxiella2 burnetii
73	c2h1rA	Alignment	not modelled	99.2	13	PDB header: transferase Chain: A; PDB Molecule: dimethyladenosine transferase, putative; PDBTitle: crystal structure of a dimethyladenosine transferase from2 plasmodium falciparum
74	d1m6ya2	Alignment	not modelled	99.2	18	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: MraW-like putative methyltransferases
75	c2esrB	Alignment	not modelled	99.2	15	PDB header: transferase Chain: B; PDB Molecule: methyltransferase; PDBTitle: conserved hypothetical protein- streptococcus pyogenes
76	c5hjmA	Alignment	not modelled	99.2	20	PDB header: transferase Chain: A; PDB Molecule: trna (guanine(37)-n1)-methyltransferase trm5a; PDBTitle: crystal structure of pyrococcus abyssi trm5a complexed with mta

77	d1ws6a1	Alignment	not modelled	99.2	17	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: YhhF-like
78	c5zvdB	Alignment	not modelled	99.2	16	PDB header: rna binding protein Chain: B: PDB Molecule: 389aa long hypothetical nucleolar protein; PDBTitle: the crystal structure of nsun6 from pyrococcus horikoshii
79	d2igta1	Alignment	not modelled	99.2	13	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: hypothetical RNA methyltransferase
80	d1o54a	Alignment	not modelled	99.2	24	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: tRNA(1-methyladenosine) methyltransferase-like
81	c3mb5A	Alignment	not modelled	99.2	22	PDB header: transferase Chain: A: PDB Molecule: sam-dependent methyltransferase; PDBTitle: crystal structure of p. abyss trna m1a58 methyltransferase in complex2 with s-adenosyl-l-methionine
82	c4dzaA	Alignment	not modelled	99.2	24	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
83	c2yv1B	Alignment	not modelled	99.2	20	PDB header: transferase Chain: B: PDB Molecule: hypothetical protein; PDBTitle: crystal structure of trna (m1a58) methyltransferase trmi from aquifex2 aeolicus
84	c3a27A	Alignment	not modelled	99.2	10	PDB header: transferase Chain: A: PDB Molecule: uncharacterized protein mj1557; PDBTitle: crystal structure of m. jannaschii tyw2 in complex with2 adomet
85	d2h00a1	Alignment	not modelled	99.2	12	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Methyltransferase 10 domain
86	d1i9ga	Alignment	not modelled	99.2	20	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: tRNA(1-methyladenosine) methyltransferase-like
87	c3p9nA	Alignment	not modelled	99.2	23	PDB header: transferase Chain: A: PDB Molecule: possible methyltransferase (methylase); PDBTitle: rv2966c of m. tuberculosis is a rsmD-like methyltransferase
88	d1yzha1	Alignment	not modelled	99.2	12	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: TrmB-like
89	d2fhpa1	Alignment	not modelled	99.2	18	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: YhhF-like
90	c6b92A	Alignment	not modelled	99.2	16	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
91	d1ixka	Alignment	not modelled	99.1	20	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: NOL1/NOP2/sun
92	c1uwvA	Alignment	not modelled	99.1	18	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
93	c2yx1A	Alignment	not modelled	99.1	19	PDB header: transferase Chain: A: PDB Molecule: hypothetical protein mj0883; PDBTitle: crystal structure of m.jannaschii trna m1g37 methyltransferase
94	c3g5tA	Alignment	not modelled	99.1	16	PDB header: transferase Chain: A: PDB Molecule: trans-aconitate 3-methyltransferase; PDBTitle: crystal structure of trans-aconitate 3-methyltransferase from yeast
95	c3fteA	Alignment	not modelled	99.1	20	PDB header: transferase/rna Chain: A: PDB Molecule: dimethyladenosine transferase; PDBTitle: crystal structure of a. aeolicus ksga in complex with rna
96	c4gc5A	Alignment	not modelled	99.1	14	PDB header: transferase Chain: A: PDB Molecule: dimethyladenosine transferase 1, mitochondrial; PDBTitle: crystal structure of murine tfb1m
97	c3mtiA	Alignment	not modelled	99.1	18	PDB header: transferase Chain: A: PDB Molecule: rrna methylase; PDBTitle: the crystal structure of a rna methylase from streptococcus2 thermophilus to 1.95a
98	d2esra1	Alignment	not modelled	99.1	16	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: YhhF-like
99	c5bxyB	Alignment	not modelled	99.1	20	PDB header: transferase Chain: B: PDB Molecule: rna methyltransferase; PDBTitle: crystal structure of rna methyltransferase from salinibacter ruber in2 complex with s-adenosyl-l-homocysteine
100	c2pwyB	Alignment	not modelled	99.1	18	PDB header: transferase Chain: B: PDB Molecule: trna (adenine-n(1)-)-methyltransferase; PDBTitle: crystal structure of a m1a58 trna methyltransferase
101	c5ccbA	Alignment	not modelled	99.1	17	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 with 2 trna3lys and sah
102	d2fcaa1	Alignment	not modelled	99.1	15	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: TrmB-like
103	c3grzA_	Alignment	not modelled	99.1	21	PDB header: transferase Chain: A: PDB Molecule: ribosomal protein l11 methyltransferase; PDBTitle: crystal structure of ribosomal protein l11 methylase from 2 lactobacillus delbrueckii subsp. bulgaricus
104	c4ineB_	Alignment	not modelled	99.0	23	PDB header: transferase Chain: B: PDB Molecule: protein pmt-2; PDBTitle: crystal structure of n-methyl transferase (pmt-2) from caenorhabditis2 elegant complexed with s-adenosyl homocysteine and 3 phosphoethanolamine
105	c6j27D_	Alignment	not modelled	99.0	13	PDB header: transferase Chain: D: PDB Molecule: n(4)-bis(aminopropyl)spermidine synthase; PDBTitle: crystal structure of the branched-chain polyamine synthase from 2 thermus thermophilus (tth-bpsa) in complex with n4-3 aminopropylspermidine and 5'-methylthioadenosine
106	d1l3ia_	Alignment	not modelled	99.0	22	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Precorrin-6Y methyltransferase (Cbit)
107	c3bt7A_	Alignment	not modelled	99.0	14	PDB header: transferase/rna Chain: A: PDB Molecule: trna (uracil-5-)-methyltransferase; PDBTitle: structure of e. coli 5-methyluridine methyltransferase trna in complex 2 with 19 nucleotide t-arm analogue
108	c2yxdA_	Alignment	not modelled	99.0	23	PDB header: transferase Chain: A: PDB Molecule: probable cobalt-precorrin-6y c(15)-methyltransferase PDBTitle: crystal structure of cobalamin biosynthesis precorrin 8w decarboxylase2 (cbt)
109	c6em5q_	Alignment	not modelled	99.0	12	PDB header: ribosome Chain: Q: PDB Molecule: 60s ribosomal protein l18-a; PDBTitle: state d architectural model (nsa1-tap flag-ytm1) - visualizing the 2 assembly pathway of nucleolar pre-60s ribosomes
110	c3njrB_	Alignment	not modelled	99.0	17	PDB header: transferase Chain: B: PDB Molecule: precorrin-6y methylase; PDBTitle: crystal structure of c-terminal domain of precorrin-6y c5,15-2 methyltransferase from rhodobacter capsulatus
111	c5xj2C_	Alignment	not modelled	99.0	15	PDB header: transferase/rna Chain: C: PDB Molecule: uncharacterized rna methyltransferase sp_1029; PDBTitle: structure of sprlmcD with u747 rna
112	d2nxca1	Alignment	not modelled	99.0	26	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Ribosomal protein L11 methyltransferase PrmA
113	c3dxyA_	Alignment	not modelled	99.0	16	PDB header: transferase Chain: A: PDB Molecule: trna (guanine-n(7)-)-methyltransferase; PDBTitle: crystal structure of ectrmB in complex with sam
114	d2b9ea1	Alignment	not modelled	98.9	14	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: NOL1/NOP2/sun
115	c2frxD_	Alignment	not modelled	98.9	14	PDB header: transferase Chain: D: PDB Molecule: hypothetical protein yebu; PDBTitle: crystal structure of yebu, a m5c rna methyltransferase from e.coli
116	c3ku1E_	Alignment	not modelled	98.9	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
117	c4krhB_	Alignment	not modelled	98.9	16	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
118	c3lbfC_	Alignment	not modelled	98.9	21	PDB header: transferase Chain: C: PDB Molecule: protein-l-isoaspartate o-methyltransferase; PDBTitle: crystal structure of protein l-isoaspartyl methyltransferase from 2 escherichia coli
119	c4ponB_	Alignment	not modelled	98.9	15	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
120	d1prya_	Alignment	not modelled	98.9	13	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Fibrillarlin homologue