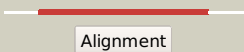




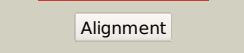



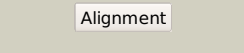

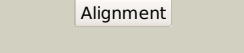



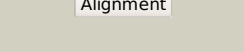

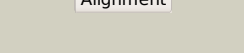

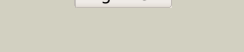

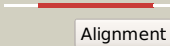

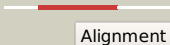
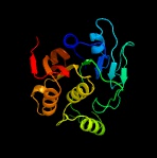
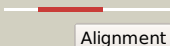












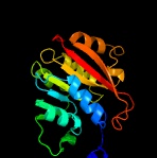
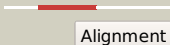


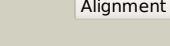


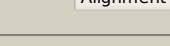
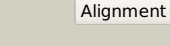


Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD3263 (-)_3643174_3644835
Date	Thu Aug 8 16:20:47 BST 2019
Unique Job ID	e60b6546b1753e73

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c5hr4j_	 Alignment		100.0	14	PDB header: hydrolase/dna Chain: J: PDB Molecule: mmei; PDBTitle: structure of type iii restriction-modification enzyme mmei in complex2 with dna has implications for engineering of new specificities
2	c3s1sA_	 Alignment		100.0	14	PDB header: hydrolase, transferase Chain: A: PDB Molecule: restriction endonuclease bpusi; PDBTitle: characterization and crystal structure of the type iig restriction2 endonuclease bpusi
3	c1g38A_	 Alignment		100.0	19	PDB header: transferase/dna Chain: A: PDB Molecule: modification methylase taqi; PDBTitle: adenine-specific methyltransferase m. taq i/dna complex
4	c1aqjB_	 Alignment		100.0	19	PDB header: methyltransferase Chain: B: PDB Molecule: adenine-n6-dna-methyltransferase taqi; PDBTitle: structure of adenine-n6-dna-methyltransferase taqi
5	d2okca1	 Alignment		100.0	16	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: N-6 DNA Methylase-like
6	c3khkA_	 Alignment		100.0	14	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 mazei.
7	c5ybbA_	 Alignment		100.0	21	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
8	c3ufbA_	 Alignment		100.0	20	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
9	c3lkdB_	 Alignment		100.0	17	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
10	d2ar0a1	 Alignment		100.0	21	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: N-6 DNA Methylase-like
11	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

12	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
13	d2ih2a1	 Alignment		100.0	23	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: DNA methylase Taql, N-terminal domain
14	c5e72A_	 Alignment		99.8	24	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	c6h2uA_	 Alignment		99.7	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
16	c3lduA_	 Alignment		99.6	20	PDB header: transferase Chain: A: PDB Molecule: putative methylase; PDBTitle: the crystal structure of a possible methylase from2 clostridium difficile 630.
17	d1wy7a1	 Alignment		99.6	15	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Ta1320-like
18	c3tmaA_	 Alignment		99.6	22	PDB header: transferase Chain: A: PDB Molecule: methyltransferase; PDBTitle: crystal structure of trm from thermus thermophilus
19	c3k0bA_	 Alignment		99.6	20	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
20	c3fuxB_	 Alignment		99.6	14	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
21	d1nv8a_	 Alignment	not modelled	99.6	14	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: N5-glutamine methyltransferase, HemK
22	c3ldgA_	 Alignment	not modelled	99.6	15	PDB header: transferase Chain: A: PDB Molecule: putative uncharacterized protein smu.472; PDBTitle: crystal structure of smu.472, a putative methyltransferase complexed2 with sah
23	c3tm4A_	 Alignment	not modelled	99.6	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
24	c6h1dA_	 Alignment	not modelled	99.5	17	PDB header: gene regulation Chain: A: PDB Molecule: hemk methyltransferase family member 2; PDBTitle: crystal structure of c21orf127-trmt112 in complex with sah
25	c6ifsB_	 Alignment	not modelled	99.5	12	PDB header: transferase Chain: B: PDB Molecule: ribosomal rna small subunit methyltransferase a; PDBTitle: ksga from bacillus subtilis 168
26	d1qyra_	 Alignment	not modelled	99.5	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	21	PDB header: transferase Chain: A: PDB Molecule: hypothetical protein atu0636; PDBTitle: crystal structure of a predicted o-methyltransferase, protein atu6362 from agrobacterium tumefaciens.
28	c3ovrA_	 Alignment	not modelled	99.4	17	PDB header: transferase Chain: A: PDB Molecule: methyltransferase;

28	c3evzA	Alignment	not modelled	99.4	17	PDBTitle: crystal structure of methyltransferase from pyrococcus furiosus PDB header: transferase
29	c3egiA	Alignment	not modelled	99.4	18	Chain: A: PDB Molecule: trimethylguanosine synthase homolog; PDBTitle: methyltransferase domain of human trimethylguanosine synthase tgs12 bound to m7gppa (inactive form)
30	d1zq9a1	Alignment	not modelled	99.4	17	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: rRNA adenine dimethylase-like
31	c3gdhC	Alignment	not modelled	99.4	18	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)
32	c4dmgA	Alignment	not modelled	99.4	15	PDB header: transferase Chain: A: PDB Molecule: putative uncharacterized protein ttha1493; PDBTitle: thermus thermophilus m5c1942 methyltransferase rlmo
33	c3q87B	Alignment	not modelled	99.4	17	PDB header: transferase activator/transferase Chain: B: PDB Molecule: n6 adenine specific dna methylase; PDBTitle: structure of e. cuniculi mtg2-trm112 complex responsible for the2 methylation of erf1 translation termination factor
34	c3v8vB	Alignment	not modelled	99.4	26	PDB header: transferase Chain: B: PDB Molecule: ribosomal rna large subunit methyltransferase l; PDBTitle: crystal structure of bifunctional methyltransferase ycb (rlmk) from2 escherichia coli, sam binding
35	c3uzuA	Alignment	not modelled	99.4	17	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
36	d1ne2a	Alignment	not modelled	99.4	15	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Ta1320-like
37	c3lpmA	Alignment	not modelled	99.4	19	PDB header: transferase Chain: A: PDB Molecule: putative methyltransferase; PDBTitle: crystal structure of putative methyltransferase small domain protein2 from listeria monocytogenes
38	c3grrA	Alignment	not modelled	99.4	12	PDB header: transferase Chain: A: PDB Molecule: dimethyladenosine transferase; PDBTitle: crystal structure of the complex between s-adenosyl homocysteine and2 methanocaldococcus jannaschi dim1.
39	c3fydA	Alignment	not modelled	99.4	12	PDB header: transferase Chain: A: PDB Molecule: probable dimethyladenosine transferase; PDBTitle: crystal structure of dim1 from the thermophilic archeon,2 methanocaldococcus jannaschi
40	d2as0a2	Alignment	not modelled	99.4	17	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: hypothetical RNA methyltransferase
41	d2b3ta1	Alignment	not modelled	99.4	17	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: N5- glutamine methyltransferase, HemK
42	c4jxA	Alignment	not modelled	99.4	9	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
43	d1o9ga	Alignment	not modelled	99.4	17	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: rRNA methyltransferase AviRa
44	d1dusa	Alignment	not modelled	99.3	17	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Hypothetical protein MJ0882
45	c5u18A	Alignment	not modelled	99.3	22	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
46	d1wxxa2	Alignment	not modelled	99.3	20	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: hypothetical RNA methyltransferase
47	c2h1rA	Alignment	not modelled	99.3	14	PDB header: transferase Chain: A: PDB Molecule: dimethyladenosine transferase, putative; PDBTitle: crystal structure of a dimethyladenosine transferase from2 plasmodium falciparum
48	d2b78a2	Alignment	not modelled	99.3	14	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: hypothetical RNA methyltransferase
49	c3tqsB	Alignment	not modelled	99.3	13	PDB header: transferase Chain: B: PDB Molecule: ribosomal rna small subunit methyltransferase a; PDBTitle: structure of the dimethyladenosine transferase (ksga) from coxiella2 burnetii
50	c1wxwA	Alignment	not modelled	99.3	17	PDB header: transferase Chain: A: PDB Molecule: hypothetical protein ttha1280; PDBTitle: crystal structure of tt1595, a putative sam-dependent2 methyltransferase from thermus thermophilus hb8
51	c4dcmA	Alignment	not modelled	99.3	19	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
52	c2ac0A	Alignment	not modelled	99.3	15	PDB header: transferase Chain: A: PDB Molecule: hypothetical protein ph1915;

52	c2bsvA	Alignment	not modelled	99.3	10	PDBTitle: crystal structure of ph1915 (apc 5817): a hypothetical rna2 methyltransferase
53	c3c0kB	Alignment	not modelled	99.3	12	PDB header: transferase Chain: B: PDB Molecule: upf0064 protein yccw; PDBTitle: crystal structure of a ribosomal rna methyltransferase
54	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
55	d1qama	Alignment	not modelled	99.3	18	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: rRNA adenine dimethylase-like
56	c3dmgA	Alignment	not modelled	99.3	20	PDB header: transferase Chain: A: PDB Molecule: probable ribosomal rna small subunit methyltransferase; PDBTitle: t. thermophilus 16s rna n2 g1207 methyltransferase (rsmc) in complex2 with adohcy
57	c3lbyA	Alignment	not modelled	99.3	13	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
58	c3a26A	Alignment	not modelled	99.3	13	PDB header: transferase Chain: A: PDB Molecule: uncharacterized protein ph0793; PDBTitle: crystal structure of p. horikoshii tyw2 in complex with2 mesado
59	c5yacA	Alignment	not modelled	99.2	15	PDB header: rna binding protein Chain: A: PDB Molecule: trna (guanine(37)-n1)-methyltransferase trm5b; PDBTitle: crystal structure of wt trm5b from pyrococcus abyssi
60	c3fteA	Alignment	not modelled	99.2	18	PDB header: transferase/rna Chain: A: PDB Molecule: dimethyladenosine transferase; PDBTitle: crystal structure of a. aeolicus ksga in complex with rna
61	c3vseA	Alignment	not modelled	99.2	14	PDB header: transferase Chain: A: PDB Molecule: putative uncharacterized protein; PDBTitle: crystal structure of methyltransferase
62	d1m6ya2	Alignment	not modelled	99.2	15	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: MraW-like putative methyltransferases
63	d2frna1	Alignment	not modelled	99.2	12	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Met-10+ protein-like
64	c2b78A	Alignment	not modelled	99.2	15	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: hypothetical protein smu.776; PDBTitle: a putative sam-dependent methyltransferase from streptococcus mutans
65	c2pjdA	Alignment	not modelled	99.2	19	PDB header: transferase Chain: A: PDB Molecule: ribosomal rna small subunit methyltransferase c; PDBTitle: crystal structure of 16s rna methyltransferase rsmc
66	c3p9nA	Alignment	not modelled	99.2	22	PDB header: transferase Chain: A: PDB Molecule: possible methyltransferase (methylase); PDBTitle: rv2966c of m. tuberculosis is a rsmc-like methyltransferase
67	c4dzrA	Alignment	not modelled	99.2	16	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
68	d1ws6a1	Alignment	not modelled	99.2	19	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: YhhF-like
69	d2ifta1	Alignment	not modelled	99.2	16	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: YhhF-like
70	c3eeyL	Alignment	not modelled	99.2	12	PDB header: transferase Chain: J: PDB Molecule: putative rrna methylase; PDBTitle: crystal structure of putative rrna-methylase from clostridium2 thermocellum
71	c6j27D	Alignment	not modelled	99.1	17	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
72	d2fpoa1	Alignment	not modelled	99.1	21	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: YhhF-like
73	c5hjmA	Alignment	not modelled	99.1	18	PDB header: transferase Chain: A: PDB Molecule: trna (guanine(37)-n1)-methyltransferase trm5a; PDBTitle: crystal structure of pyrococcus abyssi trm5a complexed with mta
74	c3a27A	Alignment	not modelled	99.1	10	PDB header: transferase Chain: A: PDB Molecule: uncharacterized protein mj1557; PDBTitle: crystal structure of m. jannaschii tyw2 in complex with2 adomet
75	c4gc5A	Alignment	not modelled	99.1	15	PDB header: transferase Chain: A: PDB Molecule: dimethyladenosine transferase 1, mitochondrial; PDBTitle: crystal structure of murine tfb1m
76	c2vxlA	Alignment	not modelled	99.1	13	PDB header: transferase Chain: A: PDB Molecule: 450aa long hypothetical fmu protein; PDBTitle: crystal structure of ph0851

77	c6b92A	Alignment	not modelled	99.1	15	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
78	d1sqga2	Alignment	not modelled	99.1	15	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: NOL1/NOP2/sun
79	d1uwva2	Alignment	not modelled	99.1	19	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: (Uracil-5-)-methyltransferase
80	d2nxca1	Alignment	not modelled	99.1	19	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Ribosomal protein L11 methyltransferase PrmA
81	d2fhpa1	Alignment	not modelled	99.1	19	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: YhhF-like
82	c3e05B	Alignment	not modelled	99.1	15	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
83	d1wg8a2	Alignment	not modelled	99.1	15	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: MraW-like putative methyltransferases
84	d2h00a1	Alignment	not modelled	99.0	17	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Methyltransferase 10 domain
85	c3mtiA	Alignment	not modelled	99.0	12	PDB header: transferase Chain: A: PDB Molecule: rrna methylase; PDBTitle: the crystal structure of a rna methylase from streptococcus2 thermophilus to 1.95a
86	c3grzA	Alignment	not modelled	99.0	11	PDB header: transferase Chain: A: PDB Molecule: ribosomal protein l11 methyltransferase; PDBTitle: crystal structure of ribosomal protein l11 methylase from2 lactobacillus delbrueckii subsp. bulgaricus
87	d2igta1	Alignment	not modelled	99.0	14	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: hypothetical RNA methyltransferase
88	d1yzha1	Alignment	not modelled	99.0	11	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: TrmB-like
89	c2esrB	Alignment	not modelled	99.0	20	PDB header: transferase Chain: B: PDB Molecule: methyltransferase; PDBTitle: conserved hypothetical protein- streptococcus pyogenes
90	d2esra1	Alignment	not modelled	99.0	17	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: YhhF-like
91	d1l3ia	Alignment	not modelled	99.0	14	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Precorrin-6Y methyltransferase (CbiT)
92	c5bxyB	Alignment	not modelled	99.0	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
93	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 complex2 with 19 nucleotide t-arm analogue
94	d2fcaa1	Alignment	not modelled	99.0	15	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: TrmB-like
95	c3axtA	Alignment	not modelled	99.0	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
96	c2yvlB	Alignment	not modelled	99.0	18	PDB header: transferase Chain: B: PDB Molecule: hypothetical protein; PDBTitle: crystal structure of trna (m1a58) methyltransferase trmi from aquifex2 aeolicus
97	c2yxdA	Alignment	not modelled	99.0	12	PDB header: transferase Chain: A: PDB Molecule: probable cobalt-precorrin-6y c(15)-methyltransferase PDBTitle: crystal structure of cobalamin biosynthesis precorrin 8w decarboxylase2 (cbi)
98	c6mroA	Alignment	not modelled	99.0	16	PDB header: transferase Chain: A: PDB Molecule: methyl transferase from methanosarcina acetivorans; PDBTitle: crystal structure of methyl transferase from methanosarcina2 acetivorans at 1.6 angstroms resolution, northeast structural3 genomics consortium (nesg) target mvr53.
99	c6g4wq	Alignment	not modelled	98.9	16	PDB header: ribosome Chain: Q: PDB Molecule: 40s ribosomal protein s16; PDBTitle: cryo-em structure of a late human pre-40s ribosomal subunit - state a
100	d2avna1	Alignment	not modelled	98.9	9	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: UbiE/COQ5-like
						PDB header: transferase

101	c3bgdB_	Alignment	not modelled	98.9	16	Chain: B; PDB Molecule: thiopurine s-methyltransferase; PDBTitle: thiopurine s-methyltransferase
102	d1zx0a1	Alignment	not modelled	98.9	17	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Guanidinoacetate methyltransferase
103	d1r74a_	Alignment	not modelled	98.9	17	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Glycine N-methyltransferase
104	c3njrB_	Alignment	not modelled	98.9	10	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
105	c1uwvA_	Alignment	not modelled	98.9	20	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
106	c3a4tA_	Alignment	not modelled	98.9	11	PDB header: transferase Chain: A; PDB Molecule: putative methyltransferase mj0026; PDBTitle: crystal structure of atrm4 from m.jannaschii with sinefungin
107	c1sqgA_	Alignment	not modelled	98.9	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
108	c5xj2C_	Alignment	not modelled	98.9	14	PDB header: transferase/rna Chain: C; PDB Molecule: uncharacterized rna methyltransferase sp_1029; PDBTitle: structure of sprlmcid with u747 rna
109	d2bzga1	Alignment	not modelled	98.9	21	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Thiopurine S-methyltransferase
110	d1pjza_	Alignment	not modelled	98.9	18	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Thiopurine S-methyltransferase
111	c2yx1A_	Alignment	not modelled	98.9	9	PDB header: transferase Chain: A; PDB Molecule: hypothetical protein mj0883; PDBTitle: crystal structure of m.jannaschii trna m1g37 methyltransferase
112	c5wp5A_	Alignment	not modelled	98.9	17	PDB header: transferase Chain: A; PDB Molecule: phosphomethylethanolamine n-methyltransferase 2; PDBTitle: arabidopsis thaliana phosphoethanolamine n-methyltransferase 22 (atpmt2) in complex with sah
113	c3dliB_	Alignment	not modelled	98.9	15	PDB header: transferase Chain: B; PDB Molecule: methyltransferase; PDBTitle: crystal structure of a sam dependent methyltransferase from2 archaeoglobus fulgidus
114	c6bqcA_	Alignment	not modelled	98.9	12	PDB header: transferase Chain: A; PDB Molecule: cyclopropane-fatty-acyl-phospholipid synthase; PDBTitle: cyclopropane fatty acid synthase from e. coli
115	c4qttB_	Alignment	not modelled	98.8	14	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 rna (apo-form)
116	c4xcxA_	Alignment	not modelled	98.8	14	PDB header: transferase Chain: A; PDB Molecule: small rna 2'-o-methyltransferase; PDBTitle: methyltransferase domain of small rna 2'-o-methyltransferase
117	c2hteB_	Alignment	not modelled	98.8	14	PDB header: transferase Chain: B; PDB Molecule: spermidine synthase; PDBTitle: the crystal structure of spermidine synthase from p. falciparum in2 complex with 5'-methylthioadenosine
118	c5do0A_	Alignment	not modelled	98.8	17	PDB header: transferase Chain: A; PDB Molecule: protein lysine methyltransferase 1; PDBTitle: the structure of pkmt1 from rickettsia prowazekii
119	c5dplB_	Alignment	not modelled	98.8	18	PDB header: transferase Chain: B; PDB Molecule: protein lysine methyltransferase 2; PDBTitle: the structure of pkmt2 from rickettsia typhi in complex with adohcy
120	c3egeA_	Alignment	not modelled	98.8	17	PDB header: transferase Chain: A; PDB Molecule: putative methyltransferase from antibiotic biosynthesis PDBTitle: crystal structure of putative methyltransferase from antibiotic2 biosynthesis pathway (yp_324569.1) from anabaena variabilis atcc3 29413 at 2.40 a resolution