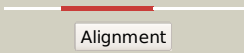













Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD2955c_(-)_3307590_3308555
Date	Thu Aug 8 16:20:11 BST 2019
Unique Job ID	486ac682c1993f73

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	d2py6a1	 Alignment		100.0	19	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: FkbM-like
2	c2yx1A_	 Alignment		99.1	16	PDB header: transferase Chain: A: PDB Molecule: hypothetical protein mj0883; PDBTitle: crystal structure of m.jannaschii trna m1g37 methyltransferase
3	d2nxca1	 Alignment		99.0	29	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Ribosomal protein L11 methyltransferase PrmA
4	c3a26A_	 Alignment		99.0	19	PDB header: transferase Chain: A: PDB Molecule: uncharacterized protein ph0793; PDBTitle: crystal structure of p. horikoshii tyw2 in complex with2 mesado
5	d2frna1	 Alignment		98.9	21	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Met-10+ protein-like
6	c3grzA_	 Alignment		98.9	25	PDB header: transferase Chain: A: PDB Molecule: ribosomal protein l11 methyltransferase; PDBTitle: crystal structure of ribosomal protein l11 methylase from2 lactobacillus delbrueckii subsp. bulgaricus
7	c3hm2G_	 Alignment		98.9	17	PDB header: transferase Chain: G: PDB Molecule: precorrin-6y c5,15-methyltransferase; PDBTitle: crystal structure of putative precorrin-6y c5,15-2 methyltransferase targeted domain from corynebacterium3 diphtheriae
8	c5yacA_	 Alignment		98.9	19	PDB header: rna binding protein Chain: A: PDB Molecule: trna (guanine(37)-n1)-methyltransferase trm5b; PDBTitle: crystal structure of wt trm5b from pyrococcus abyssi
9	c5xj2C_	 Alignment		98.9	18	PDB header: transferase/rna Chain: C: PDB Molecule: uncharacterized rna methyltransferase sp_1029; PDBTitle: structure of sprlmcid with u747 rna
10	c5hjmA_	 Alignment		98.9	20	PDB header: transferase Chain: A: PDB Molecule: trna (guanine(37)-n1)-methyltransferase trm5a; PDBTitle: crystal structure of pyrococcus abyssi trm5a complexed with mta
11	c3a27A_	 Alignment		98.9	23	PDB header: transferase Chain: A: PDB Molecule: uncharacterized protein mj1557; PDBTitle: crystal structure of m. jannaschii tyw2 in complex with2 adomet

12	c3njrB	Alignment		98.8	22	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
13	d2igta1	Alignment		98.8	17	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: hypothetical RNA methyltransferase
14	c4m38A	Alignment		98.8	27	PDB header: transferase/transferase substrate Chain: A; PDB Molecule: protein arginine n-methyltransferase 7; PDBTitle: crystal structure of trypanosoma brucei protein arginine2 methyltransferase 7 complex with adohcy and histone h4 peptide
15	c3e05B	Alignment		98.8	22	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
16	c6qe6A	Alignment		98.8	15	PDB header: transferase Chain: A; PDB Molecule: trna (adenine(22)-n(1))-methyltransferase; PDBTitle: structure of m. capricolum trmk in complex with the natural cofactor2 product s-adenosyl-homocysteine (sah)
17	c3c0kB	Alignment		98.8	14	PDB header: transferase Chain: B; PDB Molecule: upf0064 protein yccw; PDBTitle: crystal structure of a ribosomal rna methyltransferase
18	c3gnlB	Alignment		98.7	17	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
19	c2vs1A	Alignment		98.7	17	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
20	c6pdmA	Alignment		98.7	29	PDB header: transferase Chain: A; PDB Molecule: protein arginine n-methyltransferase 9; PDBTitle: crystal structure of human protein arginine methyltransferase 92 (prmt9)
21	c4c4aA	Alignment	not modelled	98.7	22	PDB header: transferase Chain: A; PDB Molecule: protein arginine n-methyltransferase 7; PDBTitle: crystal structure of mouse protein arginine methyltransferase 7 in2 complex with sah
22	c3lecA	Alignment	not modelled	98.6	18	PDB header: structure genomics, unknown function Chain: A; PDB Molecule: nadb-rossmann superfamily protein; PDBTitle: the crystal structure of a protein in the nadb-rossmann superfamily2 from streptococcus agalactiae to 1.8a
23	d2as0a2	Alignment	not modelled	98.6	21	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: hypothetical RNA methyltransferase
24	c3wssA	Alignment	not modelled	98.6	25	PDB header: transferase Chain: A; PDB Molecule: protein arginine n-methyltransferase 7; PDBTitle: crystal structure of c.elegans prmt7 in complex with sah (p43212)
25	c2yxdA	Alignment	not modelled	98.6	20	PDB header: transferase Chain: A; PDB Molecule: probable cobalt-precorrin-6y c(15)-methyltransferase PDBTitle: crystal structure of cobalamin biosynthesis precorrin 8w decarboxylase2 (cbit)
26	c3ku1E	Alignment	not modelled	98.6	21	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
27	c2b78A	Alignment	not modelled	98.6	17	PDB header: structural genomics, unknown function Chain: A; PDB Molecule: hypothetical protein smu.776; PDBTitle: a putative sam-dependent methyltransferase from streptococcus mutans
28	c2ac0A	Alignment	not modelled	98.6	21	PDB header: transferase Chain: A; PDB Molecule: hypothetical protein ph1915;

28	c4b5vA_	Alignment	not modelled	98.6	41	PDBTitle: crystal structure of ph1915 (apc 5817): a hypothetical rna2 methyltransferase
29	c3vseA_	Alignment	not modelled	98.6	17	PDB header: transferase Chain: A: PDB Molecule: putative uncharacterized protein; PDBTitle: crystal structure of methyltransferase
30	d2fhpa1	Alignment	not modelled	98.6	10	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: YhhF-like
31	c6q56C_	Alignment	not modelled	98.6	15	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
32	c3bt7A_	Alignment	not modelled	98.6	21	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
33	c5ergB_	Alignment	not modelled	98.5	13	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
34	d1uwva2	Alignment	not modelled	98.5	26	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: (Uracil-5-)-methyltransferase
35	c4lwoG_	Alignment	not modelled	98.5	24	PDB header: transferase Chain: G: PDB Molecule: arginine n-methyltransferase, putative; PDBTitle: crystal structure of prmt6
36	c3eeyl_	Alignment	not modelled	98.5	12	PDB header: transferase Chain: J: PDB Molecule: putative rrna methylase; PDBTitle: crystal structure of putative rrna-methylase from clostridium2 thermocellum
37	d1g6q1_	Alignment	not modelled	98.5	26	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Arginine methyltransferase
38	c4dmgA_	Alignment	not modelled	98.5	25	PDB header: transferase Chain: A: PDB Molecule: putative uncharacterized protein ttha1493; PDBTitle: thermus thermophilus m5c1942 methyltransferase rimo
39	c3gdhC_	Alignment	not modelled	98.5	20	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)
40	c5lkjA_	Alignment	not modelled	98.5	29	PDB header: transferase Chain: A: PDB Molecule: histone-arginine methyltransferase carm1; PDBTitle: crystal structure of mouse carm1 in complex with ligand sa684
41	c3r0gA_	Alignment	not modelled	98.5	26	PDB header: transferase Chain: A: PDB Molecule: probable protein arginine n-methyltransferase 4.2; PDBTitle: a uniquely open conformation revealed in the crystal structure of2 arabidopsis thaliana protein arginine methyltransferase 10
42	c1yb2A_	Alignment	not modelled	98.5	19	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: hypothetical protein ta0852; PDBTitle: structure of a putative methyltransferase from thermoplasma2 acidophilum.
43	d1yb2a1	Alignment	not modelled	98.5	19	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: tRNA(1-methyladenosine) methyltransferase-like
44	c1uwvA_	Alignment	not modelled	98.4	25	PDB header: transferase Chain: A: PDB Molecule: 23s rrna (uracil-5-)-methyltransferase ruma; PDBTitle: crystal structure of ruma, the iron-sulfur cluster2 containing e. coli 23s ribosomal rna 5-methyluridine3 methyltransferase
45	c5ccbA_	Alignment	not modelled	98.4	14	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
46	d1wxxa2	Alignment	not modelled	98.4	22	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: hypothetical RNA methyltransferase
47	d1f3la_	Alignment	not modelled	98.4	24	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Arginine methyltransferase
48	d1oria_	Alignment	not modelled	98.4	24	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Arginine methyltransferase
49	c6h1dA_	Alignment	not modelled	98.4	16	PDB header: gene regulation Chain: A: PDB Molecule: hemk methyltransferase family member 2; PDBTitle: crystal structure of c21orf127-trmt112 in complex with sah
50	c3b3jA_	Alignment	not modelled	98.4	31	PDB header: transferase Chain: A: PDB Molecule: histone-arginine methyltransferase carm1; PDBTitle: the 2.55 a crystal structure of the apo catalytic domain of2 coactivator-associated arginine methyl transferase i(carm1:28-507,3 residues 28-146 and 479-507 not ordered)
51	d2cl5a1	Alignment	not modelled	98.4	21	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: COMT-like Fold: S-adenosyl-L-methionine-dependent methyltransferases

52	d1nv8a_	Alignment	not modelled	98.4	21	Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: N5-glutamine methyltransferase, HemK
53	c6dnzA_	Alignment	not modelled	98.4	27	PDB header: gene regulation Chain: A: PDB Molecule: arginine n-methyltransferase, putative; PDBTitle: trypanosoma brucei prmt1 enzyme-prozyme heterotetrameric complex with2 adohcy
54	d2b78a2	Alignment	not modelled	98.4	17	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: hypothetical RNA methyltransferase
55	c4df3B_	Alignment	not modelled	98.4	25	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
56	c3egiA_	Alignment	not modelled	98.4	20	PDB header: transferase Chain: A: PDB Molecule: trimethylguanosine synthase homolog; PDBTitle: methyltransferase domain of human trimethylguanosine synthase tgs12 bound to m7gpppa (inactive form)
57	c5fwaA_	Alignment	not modelled	98.3	31	PDB header: transferase Chain: A: PDB Molecule: protein arginine n-methyltransferase 2; PDBTitle: crystal structure of mus musculus protein arginine methyltransferase 22 with cp1
58	d1l3ia_	Alignment	not modelled	98.3	23	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Precorrin-6Y methyltransferase (CbiT)
59	c4hc4A_	Alignment	not modelled	98.3	29	PDB header: transferase Chain: A: PDB Molecule: protein arginine n-methyltransferase 6; PDBTitle: human hmt1 hnrnp methyltransferase-like protein 6 (s. cerevisiae)
60	c4y30B_	Alignment	not modelled	98.3	32	PDB header: transferase Chain: B: PDB Molecule: protein arginine n-methyltransferase 6; PDBTitle: crystal structure of human protein arginine methyltransferase prmt62 bound to sah and epz020411
61	c3id5F_	Alignment	not modelled	98.3	18	PDB header: transferase/ribosomal protein/rna Chain: F: PDB Molecule: fibrillar-like rrna/trna 2'-o-methyltransferase; PDBTitle: crystal structure of sulfolobus solfataricus c/d rnp assembled with2 nop5, fibrillar, l7ae and a split half c/d rna
62	c3mtiA_	Alignment	not modelled	98.3	14	PDB header: transferase Chain: A: PDB Molecule: rrna methylase; PDBTitle: the crystal structure of a rna methylase from streptococcus2 thermophilus to 1.95a
63	c1dl5A_	Alignment	not modelled	98.3	15	PDB header: transferase Chain: A: PDB Molecule: protein-l-isoaspartate o-methyltransferase; PDBTitle: protein-l-isoaspartate o-methyltransferase
64	d2fyta1	Alignment	not modelled	98.3	23	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Arginine methyltransferase
65	c3v8vB_	Alignment	not modelled	98.3	17	PDB header: transferase Chain: B: PDB Molecule: ribosomal rna large subunit methyltransferase I; PDBTitle: crystal structure of bifunctional methyltransferase ycb (rlmk) from2 escherichia coli, sam binding
66	c2v7eB_	Alignment	not modelled	98.3	30	PDB header: transferase Chain: B: PDB Molecule: histone-arginine methyltransferase carm1; PDBTitle: crystal structure of coactivator-associated arginine2 methyltransferase 1 (carm1), unliganded
67	c5fubA_	Alignment	not modelled	98.3	24	PDB header: transferase Chain: A: PDB Molecule: protein arginine methyltransferase 2; PDBTitle: crystal structure of zebrafish protein arginine methyltransferase 22 catalytic domain with sah
68	c3m70A_	Alignment	not modelled	98.3	16	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: tellurite resistance protein tehb homolog; PDBTitle: crystal structure of tehb from haemophilus influenzae
69	d2fk8a1	Alignment	not modelled	98.3	24	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Mycolic acid cyclopropane synthase
70	c1orhA_	Alignment	not modelled	98.3	22	PDB header: transferase Chain: A: PDB Molecule: protein arginine n-methyltransferase 1; PDBTitle: structure of the predominant protein arginine methyltransferase prmt1
71	c3lbfC_	Alignment	not modelled	98.3	19	PDB header: transferase Chain: C: PDB Molecule: protein-l-isoaspartate o-methyltransferase; PDBTitle: crystal structure of protein l-isoaspartyl methyltransferase from2 escherichia coli
72	c3lbyA_	Alignment	not modelled	98.3	12	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
73	c2yxeB_	Alignment	not modelled	98.3	20	PDB header: transferase Chain: B: PDB Molecule: protein-l-isoaspartate o-methyltransferase; PDBTitle: crystal structure of l-isoaspartyl protein carboxyl methyltransferase
74	c3mb5A_	Alignment	not modelled	98.2	20	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
75	c2pbfA_	Alignment	not modelled	98.2	22	PDB header: transferase Chain: A: PDB Molecule: protein-l-isoaspartate o-methyltransferase beta-aspartate PDBTitle: crystal structure of a putative protein-l-isoaspartate o-2 methyltransferase beta-aspartate methyltransferase (pcmt) from3 plasmodium falciparum in complex with s-adenosyl-l-homocysteine

76	c4o29A_	Alignment	not modelled	98.2	17	PDB header: transferase Chain: A: PDB Molecule: protein-l-isoaspartate o-methyltransferase; PDBTitle: protein-l-isoaspartate o-methyltransferase from pyrobaculum aerophilum2 in complex with s-adenosyl-l-homocysteine
77	d1zq9a1	Alignment	not modelled	98.2	22	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: rRNA adenine dimethylase-like
78	d1dl5a1	Alignment	not modelled	98.2	19	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Protein-L-isoaspartyl O-methyltransferase
79	c6dnzB_	Alignment	not modelled	98.2	29	PDB header: gene regulation Chain: B: PDB Molecule: arginine n-methyltransferase, putative; PDBTitle: trypanosoma brucei prmt1 enzyme-prozyme heterotetrameric complex with2 adohcy
80	d2b3ta1	Alignment	not modelled	98.2	18	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: N5-glutamine methyltransferase, HemK
81	c2yvlB_	Alignment	not modelled	98.2	16	PDB header: transferase Chain: B: PDB Molecule: hypothetical protein; PDBTitle: crystal structure of trna (m1a58) methyltransferase trmi from aquifex2 aeolicus
82	c1wxwA_	Alignment	not modelled	98.2	27	PDB header: transferase Chain: A: PDB Molecule: hypothetical protein ttha1280; PDBTitle: crystal structure of tt1595, a putative sam-dependent2 methyltransferase from thermus thermophilus hb8
83	c3lpmA_	Alignment	not modelled	98.1	18	PDB header: transferase Chain: A: PDB Molecule: putative methyltransferase; PDBTitle: crystal structure of putative methyltransferase small domain protein2 from listeria monocytogenes
84	c5z9oA_	Alignment	not modelled	98.1	18	PDB header: transferase Chain: A: PDB Molecule: cyclopropane-fatty-acyl-phospholipid synthase; PDBTitle: the crystal structure of cyclopropane-fatty-acyl-phospholipid synthase2 from lactobacillus acidophilus
85	c5zy5B_	Alignment	not modelled	98.1	12	PDB header: transferase Chain: B: PDB Molecule: probable catechol o-methyltransferase 1; PDBTitle: spcomt apo structure
86	c4ponB_	Alignment	not modelled	98.1	13	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
87	d1o54a_	Alignment	not modelled	98.1	24	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: tRNA(1-methyladenosine) methyltransferase-like
88	d1i1na_	Alignment	not modelled	98.1	16	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Protein-L-isoaspartyl O-methyltransferase
89	c4l7vA_	Alignment	not modelled	98.1	20	PDB header: transferase Chain: A: PDB Molecule: protein-l-isoaspartate o-methyltransferase; PDBTitle: crystal structure of protein l-isoaspartyl-o-methyltransferase of2 vibrio cholerae
90	c2esrB_	Alignment	not modelled	98.1	15	PDB header: transferase Chain: B: PDB Molecule: methyltransferase; PDBTitle: conserved hypothetical protein- streptococcus pyogenes
91	d1dusa_	Alignment	not modelled	98.1	16	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Hypothetical protein MJ0882
92	d2b9ea1	Alignment	not modelled	98.1	15	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: NOL1/NOP2/sun
93	c2fk8A_	Alignment	not modelled	98.1	23	PDB header: transferase Chain: A: PDB Molecule: methoxy mycolic acid synthase 4; PDBTitle: crystal structure of hma (mmaa4) from mycobacterium tuberculosis2 complexed with s-adenosylmethionine
94	c2pwyB_	Alignment	not modelled	98.0	23	PDB header: transferase Chain: B: PDB Molecule: trna (adenine-n(1)-)-methyltransferase; PDBTitle: crystal structure of a m1a58 trna methyltransferase
95	d1g8aa_	Alignment	not modelled	98.0	19	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Fibrillarlin homologue
96	c3evzA_	Alignment	not modelled	98.0	19	PDB header: transferase Chain: A: PDB Molecule: methyltransferase; PDBTitle: crystal structure of methyltransferase from pyrococcus furiosus
97	d2dula1	Alignment	not modelled	98.0	20	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: TRM1-like
98	d2esra1	Alignment	not modelled	98.0	16	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: YhhF-like
99	d1ixka_	Alignment	not modelled	98.0	20	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: NOL1/NOP2/sun
100	d2ifta1	Alignment	not modelled	98.0	19	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: YhhF-like

101	d1prya_	Alignment	not modelled	98.0	21	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Fibrillar homologue
102	c3duwB_	Alignment	not modelled	98.0	27	PDB header: transferase Chain: B: PDB Molecule: o-methyltransferase, putative; PDBTitle: crystal structural analysis of the o-methyltransferase from2 bacillus cereus in complex sah
103	d1xcla_	Alignment	not modelled	98.0	18	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Guanidinoacetate methyltransferase
104	d1g8sa_	Alignment	not modelled	98.0	22	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Fibrillar homologue
105	c3p9nA_	Alignment	not modelled	98.0	21	PDB header: transferase Chain: A: PDB Molecule: possible methyltransferase (methylase); PDBTitle: rv2966c of m. tuberculosis is a rsmd-like methyltransferase
106	c3axtA_	Alignment	not modelled	98.0	15	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
107	d1jg1a_	Alignment	not modelled	97.9	15	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Protein-L-isoaspartyl O-methyltransferase
108	c6ec3C_	Alignment	not modelled	97.9	26	PDB header: transferase, oxidoreductase Chain: C: PDB Molecule: methyltransferase domain-containing protein; PDBTitle: crystal structure of evdm01
109	c5bxyB_	Alignment	not modelled	97.9	17	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
110	d2fpoa1	Alignment	not modelled	97.9	24	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: YhhF-like
111	d1llea_	Alignment	not modelled	97.9	20	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Mycolic acid cyclopropane synthase
112	d1wy7a1	Alignment	not modelled	97.9	19	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Ta1320-like
113	c5t39A_	Alignment	not modelled	97.9	25	PDB header: transferase Chain: A: PDB Molecule: evdm01; PDBTitle: crystal structure of the n-terminal domain of evdm01 in the presence2 of sah and d-fucose
114	c5n5dA_	Alignment	not modelled	97.9	20	PDB header: transferase Chain: A: PDB Molecule: methyltransferase; PDBTitle: crystal structure of the o-methyltransferase tomg from streptomyces2 achromogenes involved in tomaymycin synthesis in complex with sam
115	d2avda1	Alignment	not modelled	97.9	20	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: COMT-like
116	c3c3yB_	Alignment	not modelled	97.9	11	PDB header: transferase Chain: B: PDB Molecule: o-methyltransferase; PDBTitle: crystal structure of pfomt, phenylpropanoid and flavonoid o-2 methyltransferase from m. crystallinum
117	c3fzgA_	Alignment	not modelled	97.9	15	PDB header: transferase Chain: A: PDB Molecule: 16s rrna methylase; PDBTitle: structure of the 16s rrna methylase arma
118	d1vl5a_	Alignment	not modelled	97.8	23	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: UbiE/COQ5-like
119	c1vl5B_	Alignment	not modelled	97.8	23	PDB header: transferase Chain: B: PDB Molecule: unknown conserved protein bh2331; PDBTitle: crystal structure of a putative methyltransferase (bh2331) from2 bacillus halodurans c-125 at 1.95 a resolution
120	d1kpja_	Alignment	not modelled	97.8	17	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Mycolic acid cyclopropane synthase