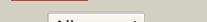
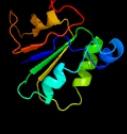
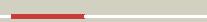


Phyre²

Email	mdejesus@rockefeller.edu
Description	RVBD2735c_(-)_3047570_3048562
Date	Wed Aug 7 12:50:39 BST 2019
Unique Job ID	1d3cb52265ee9093

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c4bluB_			98.7	27	PDB header: transferase Chain: B; PDB Molecule: ribosomal rna large subunit methyltransferase j; PDBTitle: crystal structure of escherichia coli 23s rrna (a2030-n6)-2 methyltransferase rlmj
2	d2oo3a1			98.6	23	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: LPG1296-like
3	d2fhpa1			97.0	15	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: YhhF-like
4	d2dula1			96.8	18	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: TRM1-like
5	c3axta_			96.4	13	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
6	c5xj2C_			96.3	16	PDB header: transferase/rna Chain: C; PDB Molecule: uncharacterized rna methyltransferase sp_1029; PDBTitle: structure of sprlmc with u747 rna
7	c1m6yA_			96.3	19	PDB header: transferase Chain: A; PDB Molecule: s-adenosyl-methyltransferase mraw; PDBTitle: crystal structure analysis of tm0872, a putative sam-dependent2 methyltransferase, complexed with sah
8	c3ll7A_			96.1	16	PDB header: transferase Chain: A; PDB Molecule: putative methyltransferase; PDBTitle: crystal structure of putative methyltransferase pg_1098 from2 porphyromonas gingivalis w83
9	c1wg8B_			95.5	21	PDB header: transferase Chain: B; PDB Molecule: predicted s-adenosylmethionine-dependent PDBTitle: crystal structure of a predicted s-adenosylmethionine-2 dependent methyltransferase tt1512 from thermus3 thermophilus hb8.
10	c2r6zA_			95.3	20	PDB header: transferase Chain: A; PDB Molecule: upf0341 protein in rsp 3' region; PDBTitle: crystal structure of the sam-dependent methyltransferase ngo1261 from2 neisseria gonorrhoeae, northeast structural genomics consortium3 target ngr48
11	d2as0a2			95.3	13	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: hypothetical RNA methyltransferase

12	c2esrB_			95.3	24	PDB header: transferase Chain: B; PDB Molecule: methyltransferase; PDBTitle: conserved hypothetical protein- streptococcus pyogenes
13	c1uwvA_			95.2	11	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
14	d1uwvA2			95.1	11	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: (Uracil-5-)methyltransferase
15	c4gf5S_			94.8	19	PDB header: transferase Chain: S; PDB Molecule: cals11; PDBTitle: crystal structure of calicheamicin methyltransferase, cals11
16	c5zy5B_			94.6	19	PDB header: transferase Chain: B; PDB Molecule: probable catechol o-methyltransferase 1; PDBTitle: spcomt apo structure
17	d2cl5a1			94.5	17	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: COMT-like
18	d2avda1			94.2	19	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: COMT-like
19	d2fpoa1			94.2	22	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: YhhF-like
20	c3v8vB_			94.1	17	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
21	d1ws6a1		not modelled	93.9	19	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: YhhF-like
22	c3bt7A_		not modelled	93.9	16	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
23	c3k0bA_		not modelled	93.8	16	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
24	c3lduA_		not modelled	93.8	16	PDB header: transferase Chain: A; PDB Molecule: putative methylase; PDBTitle: the crystal structure of a possible methylase from2 clostridium difficile 630.
25	c3p9nA_		not modelled	93.7	15	PDB header: transferase Chain: A; PDB Molecule: possible methyltransferase (methylase); PDBTitle: rv2966c of m. tuberculosis is a rsmd-like methyltransferase
26	c1wxwA_		not modelled	93.2	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
27	c2as0A_		not modelled	92.8	14	PDB header: transferase Chain: A; PDB Molecule: hypothetical protein ph1915; PDBTitle: crystal structure of ph1915 (apc 5817): a hypothetical rna2 methyltransferase
28	c3vseA_		not modelled	92.7	13	PDB header: transferase Chain: A; PDB Molecule: putative uncharacterized protein; PDBTitle: crystal structure of methyltransferase

29	d1wxxa2		not modelled	92.6	15	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: hypothetical RNA methyltransferase PDB header: transferase Chain: A: PDB Molecule: tRNA (guanine(37)-n1)-methyltransferase trm5a; PDBTitle: crystal structure of pyrococcus abyssi trm5a complexed with mta
30	c5hjmA		not modelled	92.6	20	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: hypothetical protein smu.776; PDBTitle: a putative sam-dependent methyltransferase from streptococcus mutans
31	c2b78A		not modelled	92.5	11	PDB header: transferase/dna Chain: B: PDB Molecule: dNA (cytosine-5)-methyltransferase 1; PDBTitle: crystal structure of mouse dnmt1(650-1602) in complex with dna
32	c3pt6B		not modelled	92.5	23	PDB header: transferase Chain: A: PDB Molecule: o-methyltransferase; PDBTitle: structure of a o-methyltransferase from coxiella burnetii
33	c3tr6A		not modelled	92.5	14	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: YhiQ-like PDB header: transferase Chain: A: PDB Molecule: putative uncharacterized protein smu.472; PDBTitle: crystal structure of smu.472, a putative methyltransferase complexed2 with sah
34	d2pkwa1		not modelled	92.5	26	PDB header: transferase Chain: A: PDB Molecule: o-methyltransferase; PDBTitle: crystal structure of sah-bound spinosyn rhamnosyl 4'-o-2 methyltransferase spnh from saccharopolyspora spinosa
35	c3ldgA		not modelled	91.9	14	PDB header: transferase Chain: A: PDB Molecule: dNA (cytosine-5)-methyltransferase 1; PDBTitle: crystal structure of mouse dnmt1(731-1602) in the free state
36	c4ce0A		not modelled	91.3	20	PDB header: transferase Chain: A: PDB Molecule: cytosine-specific methyltransferase; PDBTitle: crystal structure of putative dna cytosine methylase from shigella2 flexneri 2a str. 2457t
37	c3pt9A		not modelled	91.2	21	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: hypothetical RNA methyltransferase PDB header: transferase Chain: A: PDB Molecule: dNA (cytosine-5)-methyltransferase 1; PDBTitle: crystal structure of mouse dnmt1(731-1602) in the free state
38	c3me5A		not modelled	91.1	19	PDB header: transferase Chain: A: PDB Molecule: uncharacterized protein ph0793; PDBTitle: crystal structure of p. horikoshii tyw2 in complex with mesado
39	d2igta1		not modelled	90.9	16	PDB header: transferase Chain: B: PDB Molecule: upf0064 protein yccw; PDBTitle: crystal structure of a ribosomal rna methyltransferase
40	c3c0kB		not modelled	90.9	12	PDB header: transferase Chain: A: PDB Molecule: o-methyltransferase; PDBTitle: functional and structural characterization of a cation-dependent o-2 methyltransferase from the cyanobacterium synechocystis sp. strain3 pcc 6803
41	c3cbgA		not modelled	90.6	13	PDB header: transferase Chain: A: PDB Molecule: dNA (cytosine-5)-methyltransferase 1; PDBTitle: structure of human dnmt1 (601-1600) in complex with sinefungin
42	c3swrA		not modelled	90.6	19	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
43	c3tm4A		not modelled	90.4	19	PDB header: transferase Chain: A: PDB Molecule: ribosomal rna small subunit methyltransferase h; PDBTitle: crystal structure and solution sxs of methyltransferase rsmh from2 e.coli
44	c3tkaA		not modelled	90.4	18	PDB header: transferase Chain: A: PDB Molecule: uncharacterized protein ph0793; PDBTitle: crystal structure of p. horikoshii tyw2 in complex with2 mesado
45	c3a26A		not modelled	89.8	20	PDB header: transferase Chain: C: PDB Molecule: hsL7 protein; PDBTitle: crystal structure of full length prmt5/mep50 complexes from xenopus2 laevis
46	c4g56C		not modelled	89.7	26	PDB header: transferase Chain: A: PDB Molecule: novP; PDBTitle: structure of the o-methyltransferase novP
47	c2wk1A		not modelled	89.7	17	PDB header: transferase Chain: A: PDB Molecule: putative o-methyltransferase; PDBTitle: crystal structure of safc from myxococcus xanthus apoform
48	c5lhmA		not modelled	89.6	21	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: YhiQ-like PDB header: transferase Chain: A: PDB Molecule: hypothetical protein mj0883; PDBTitle: crystal structure of m.jannaschii tRNA m1g37 methyltransferase
49	d2oyra1		not modelled	89.4	28	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
50	c3r3hA		not modelled	89.1	15	PDB header: transferase Chain: A: PDB Molecule: o-methyltransferase, sam-dependent; PDBTitle: crystal structure of o-methyltransferase from legionella pneumophila
51	c2yx1A		not modelled	89.1	22	PDB header: transferase Chain: A: PDB Molecule: hypothetical protein mj0883; PDBTitle: crystal structure of m.jannaschii tRNA m1g37 methyltransferase
52	c4ponB		not modelled	89.1	10	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
53	c3egiA		not modelled	89.0	16	PDB header: transferase Chain: A: PDB Molecule: trimethylguanosine synthase homolog; PDBTitle: methyltransferase domain of human trimethylguanosine synthase tgs12 bound to m7gpppa (inactive form)

54	c3a27A	Alignment	not modelled	88.8	19	PDB header: transferase Chain: A: PDB Molecule: uncharacterized protein mj1557; PDBTitle: crystal structure of m. jannaschii tyw2 in complex with2 adomet
55	d2b78a2	Alignment	not modelled	88.6	11	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: hypothetical RNA methyltransferase
56	c2zifB	Alignment	not modelled	87.9	25	PDB header: transferase Chain: B: PDB Molecule: putative modification methylase; PDBTitle: crystal structure of ttha0409, putative dna modification methylase2 from thermus thermophilus hb8- complexed with s-adenosyl-l-methionine
57	c3a4tA	Alignment	not modelled	87.8	13	PDB header: transferase Chain: A: PDB Molecule: putative methyltransferase mj0026; PDBTitle: crystal structure of atrm4 from m.jannaschii with sinefungin
58	c2hnkC	Alignment	not modelled	87.6	11	PDB header: transferase Chain: C: PDB Molecule: sam-dependent o-methyltransferase; PDBTitle: crystal structure of sam-dependent o-methyltransferase from pathogenic2 bacterium leptospira interrogans
59	c1nw6A	Alignment	not modelled	87.5	20	PDB header: transferase Chain: A: PDB Molecule: modification methylase rsri; PDBTitle: structure of the beta class n6-adenine dna methyltransferase rsri2 bound to sinefungin
60	d1sus1	Alignment	not modelled	87.1	17	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: COMT-like
61	c3av6A	Alignment	not modelled	87.1	21	PDB header: transferase Chain: A: PDB Molecule: dna (cytosine-5)-methyltransferase 1; PDBTitle: crystal structure of mouse dna methyltransferase 1 with adomet
62	d2frna1	Alignment	not modelled	86.9	18	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Met-10+ protein-like
63	c5zvdB	Alignment	not modelled	86.7	12	PDB header: rna binding protein Chain: B: PDB Molecule: 389aa long hypothetical nucleolar protein; PDBTitle: the crystal structure of nsn6 from pyrococcus horikoshii
64	c3lbyA	Alignment	not modelled	86.6	10	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	d1xdza	Alignment	not modelled	86.1	10	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Glucose-inhibited division protein B (GidB)
66	d2ifta1	Alignment	not modelled	85.3	14	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: YhhF-like
67	c3c3yB	Alignment	not modelled	85.3	13	PDB header: transferase Chain: B: PDB Molecule: o-methyltransferase; PDBTitle: crystal structure of pfomt, phenylpropanoid and flavonoid o-2 methyltransferase from m. crystallinum
68	c5yacA	Alignment	not modelled	84.6	18	PDB header: rna binding protein Chain: A: PDB Molecule: tRNA (guanine(37)-n1)-methyltransferase trm5b; PDBTitle: crystal structure of wt trm5b from pyrococcus abyssi
69	d1g60a	Alignment	not modelled	84.6	19	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Type II DNA methylase
70	d1zq9a1	Alignment	not modelled	84.3	15	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: rRNA adenine dimethylase-like
71	c3lx6B	Alignment	not modelled	82.9	19	PDB header: transferase Chain: B: PDB Molecule: cytosine-specific methyltransferase; PDBTitle: crystal structure of putative dna cytosine methylase from shigella2 flexneri 2a str. 2457t
72	d2esra1	Alignment	not modelled	82.9	22	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: YhhF-like
73	c4xvzB	Alignment	not modelled	82.2	21	PDB header: transferase Chain: B: PDB Molecule: mycinamicin iii 3"-o-methyltransferase; PDBTitle: mycf mycinamicin iii 3'-o-methyltransferase in complex with mg
74	c3duwB	Alignment	not modelled	82.2	13	PDB header: transferase Chain: B: PDB Molecule: o-methyltransferase, putative; PDBTitle: crystal structural analysis of the o-methyltransferase from2 bacillus cereus in complex sah
75	c2gpyB	Alignment	not modelled	81.3	18	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: o-methyltransferase; PDBTitle: crystal structure of putative o-methyltransferase from bacillus2 halodurans
76	c4fsxB	Alignment	not modelled	81.2	17	PDB header: transferase Chain: B: PDB Molecule: dna (cytosine-5)-methyltransferase 1; PDBTitle: crystal structure of se-substituted zea mays zmet2 in complex with sah
77	c3mtiA	Alignment	not modelled	81.1	14	PDB header: transferase Chain: A: PDB Molecule: rrna methylase; PDBTitle: the crystal structure of a rrna methylase from streptococcus2 thermophilus to 1.95a
78	c3gdhC	Alignment	not modelled	81.0	16	PDB header: transferase Chain: C: PDB Molecule: trimethylguanosine synthase homolog; PDBTitle: methyltransferase domain of human trimethylguanosine synthase 1 (tg51) bound to m7gtp and adenosyl-homocysteine (active form)

79	c3g8aF_		Alignment	not modelled	81.0	21	PDB header: transferase Chain: F: PDB Molecule: ribosomal rna small subunit methyltransferase g; PDBTitle: t. thermophilus 16s rrna g527 methyltransferase in complex with adohcy2 in space group p61
80	d1jsxa_		Alignment	not modelled	80.4	12	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Glucose-inhibited division protein B (GidB)
81	c5hfjF_		Alignment	not modelled	79.9	21	PDB header: dna binding protein Chain: F: PDB Molecule: adenine specific dna methyltransferase (dpna); PDBTitle: crystal structure of m1.hpyavi-sam complex
82	c6em5q_		Alignment	not modelled	79.5	18	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
83	c3eeyl_		Alignment	not modelled	79.2	10	PDB header: transferase Chain: J: PDB Molecule: putative rrna methylase; PDBTitle: crystal structure of putative rrna-methylase from clostridium2 thermocellum
84	c2g1pb_		Alignment	not modelled	77.6	21	PDB header: transferase/dna Chain: B: PDB Molecule: dna adenine methylase; PDBTitle: structure of e. coli dna adenine methyltransferase (dam)
85	c3g7uA_		Alignment	not modelled	77.2	16	PDB header: transferase Chain: A: PDB Molecule: cytosine-specific methyltransferase; PDBTitle: crystal structure of putative dna modification methyltransferase2 encoded within prophage cp-933r (e.coli)
86	c6q56C_		Alignment	not modelled	75.7	9	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
87	d1wy7a1		Alignment	not modelled	75.5	24	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Ta1320-like
88	c5zw3B_		Alignment	not modelled	73.5	25	PDB header: rrna binding protein Chain: B: PDB Molecule: putative o-methyltransferase yrrm; PDBTitle: crystal structure of trmr from b. subtilis
89	c3tmaA_		Alignment	not modelled	73.4	18	PDB header: transferase Chain: A: PDB Molecule: methyltransferase; PDBTitle: crystal structure of trmn from thermus thermophilus
90	c2vs1A_		Alignment	not modelled	73.0	18	PDB header: transferase Chain: A: PDB Molecule: uncharacterized rrna methyltransferase pyrab10780; PDBTitle: the crystal structure of pyrococcus abyssi tRNA (uracil-54, c5)-2 methyltransferase in complex with s-adenosyl-l-homocysteine
91	c3njrB_		Alignment	not modelled	71.9	19	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
92	c5e72A_		Alignment	not modelled	71.3	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) from thermococcus kodakarensis
93	d1o9ga_		Alignment	not modelled	71.1	7	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: rRNA methyltransferase AviRa
94	c6qe6A_		Alignment	not modelled	69.2	12	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)
95	c3dmgaA_		Alignment	not modelled	68.9	15	PDB header: transferase Chain: A: PDB Molecule: probable rrna small subunit methyltransferase; PDBTitle: t. thermophilus 16s rrna n2 g1207 methyltransferase (rsmc) in complex2 with adohcy
96	d1l3ia_		Alignment	not modelled	68.4	19	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Precorrin-6Y methyltransferase (CbiT)
97	c6b92A_		Alignment	not modelled	68.2	11	PDB header: transferase Chain: A: PDB Molecule: u6 small nuclear rrna (adenine-(43)-n(6))-methyltransferase; PDBTitle: crystal structure of the n-terminal domain of human mettl16 in complex2 with sah
98	d1dcta_		Alignment	not modelled	67.0	16	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: C5 cytosine-specific DNA methylase, DCM
99	d1yzha1		Alignment	not modelled	66.6	7	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: TrmB-like
100	c3ua4A_		Alignment	not modelled	66.5	17	PDB header: transferase Chain: A: PDB Molecule: protein arginine n-methyltransferase 5; PDBTitle: crystal structure of protein arginine methyltransferase prmt5
101	d1booa_		Alignment	not modelled	65.2	18	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Type II DNA methylase
102	c3ku1E_		Alignment	not modelled	65.1	9	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
							Fold: S-adenosyl-L-methionine-dependent methyltransferases

103	d1eg2a_	Alignment	not modelled	64.9	18	Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Type II DNA methylase
104	c5n5dA_	Alignment	not modelled	63.6	15	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
105	d1nv8a_	Alignment	not modelled	63.5	13	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: N5-glutamine methyltransferase, HemK
106	d1o54a_	Alignment	not modelled	63.3	16	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: tRNA(1-methyladenosine) methyltransferase-like
107	c2ozvA_	Alignment	not modelled	62.8	18	PDB header: transferase Chain: A: PDB Molecule: hypothetical protein atu0636; PDBTitle: crystal structure of a predicted o-methyltransferase, protein atu6362 from agrobacterium tumefaciens.
108	c2yxIA_	Alignment	not modelled	61.1	10	PDB header: transferase Chain: A: PDB Molecule: 450aa long hypothetical fmw protein; PDBTitle: crystal structure of ph0851
109	c3fydA_	Alignment	not modelled	60.4	11	PDB header: transferase Chain: A: PDB Molecule: probable dimethyladenosine transferase; PDBTitle: crystal structure of dim1 from the thermophilic archeon,2 methanocaldococcus jannaschi
110	c3grRA_	Alignment	not modelled	60.4	11	PDB header: transferase Chain: A: PDB Molecule: dimethyladenosine transferase; PDBTitle: crystal structure of the complex between s-adenosyl homocysteine and2 methanocaldococcus jannaschi dim1.
111	c1sqgA_	Alignment	not modelled	60.2	14	PDB header: transferase Chain: A: PDB Molecule: sun protein; PDBTitle: the crystal structure of the e. coli fmw apoenzyme at 1.652 a resolution
112	c3e05B_	Alignment	not modelled	59.7	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
113	c3hm2G_	Alignment	not modelled	58.7	20	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
114	d2b9ea1	Alignment	not modelled	57.1	11	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: NOL1/NOP2/sun
115	c3gnlB_	Alignment	not modelled	56.8	8	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
116	c6h2uA_	Alignment	not modelled	56.7	20	PDB header: transferase Chain: A: PDB Molecule: methyltransferase-like protein 5; PDBTitle: crystal structure of human mettl5-trmt1l2 complex, the 18s rRNA2 m6a1832 methyltransferase at 1.6a resolution
117	c4dmgA_	Alignment	not modelled	56.1	15	PDB header: transferase Chain: A: PDB Molecule: putative uncharacterized protein ttha1493; PDBTitle: thermus thermophilus m5c1942 methyltransferase rimo
118	c3tqsB_	Alignment	not modelled	55.6	10	PDB header: transferase Chain: B: PDB Molecule: ribosomal RNA small subunit methyltransferase a; PDBTitle: structure of the dimethyladenosine transferase (ksa) from coxiella2 burnetii
119	c3lpmA_	Alignment	not modelled	55.0	12	PDB header: transferase Chain: A: PDB Molecule: putative methyltransferase; PDBTitle: crystal structure of putative methyltransferase small domain protein2 from listeria monocytogenes
120	c4ongA_	Alignment	not modelled	54.7	16	PDB header: transferase/transferase inhibitor Chain: A: PDB Molecule: dna methyltransferase; PDBTitle: crystal structure of ntdrm e283s/r309s/f310s/y590s/d591s mutant