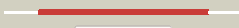









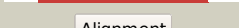

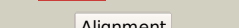

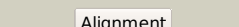

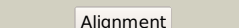

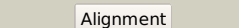





Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD2956 (-)_3308678_3309409
Date	Thu Aug 8 16:20:11 BST 2019
Unique Job ID	44dc2aa308e31ed5

Detailed template
information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	d2py6a1	 Alignment		100.0	20	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: FkbM-like
2	c4df3B_	 Alignment		98.5	15	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
3	c3hm2G_	 Alignment		98.5	13	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
4	c3a27A_	 Alignment		98.4	14	PDB header: transferase Chain: A: PDB Molecule: uncharacterized protein mj1557; PDBTitle: crystal structure of m. jannaschii tyw2 in complex with2 adomet
5	c3e05B_	 Alignment		98.4	13	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
6	c3id5F_	 Alignment		98.2	15	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
7	d1dl5a1	 Alignment		98.2	21	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Protein-L-isoaspartyl O-methyltransferase
8	c3a26A_	 Alignment		98.1	14	PDB header: transferase Chain: A: PDB Molecule: uncharacterized protein ph0793; PDBTitle: crystal structure of p. horikoshii tyw2 in complex with2 mesado
9	c3gnlB_	 Alignment		98.1	13	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
10	c1dl5A_	 Alignment		98.1	20	PDB header: transferase Chain: A: PDB Molecule: protein-l-isoaspartate o-methyltransferase; PDBTitle: protein-l-isoaspartate o-methyltransferase
11	c6qe6A_	 Alignment		98.1	13	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)

12	c2gpyB_	Alignment		98.1	17	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: o-methyltransferase; PDBTitle: crystal structure of putative o-methyltransferase from bacillus2 halodurans
13	c4o29A_	Alignment		98.1	20	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
14	c3njrB_	Alignment		98.1	18	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
15	c2yxeB_	Alignment		98.1	16	PDB header: transferase Chain: B: PDB Molecule: protein-l-isoaspartate o-methyltransferase; PDBTitle: crystal structure of l-isoaspartyl protein carboxyl methyltransferase
16	d2frna1	Alignment		98.0	12	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Met-10+ protein-like
17	d1g8sa_	Alignment		98.0	15	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Fibrillarlin homologue
18	c3lecA_	Alignment		98.0	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
19	d1qama_	Alignment		98.0	12	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: rRNA adenine dimethylase-like
20	c2yxdA_	Alignment		98.0	17	PDB header: transferase Chain: A: PDB Molecule: probable cobalt-precorrin-6y c(15)-methyltransferase PDBTitle: crystal structure of cobalamin biosynthesis precorrin 8w decarboxylase2 (cbit)
21	c1m6yA_	Alignment	not modelled	98.0	13	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
22	c5ccbA_	Alignment	not modelled	97.9	16	PDB header: transferase/rna Chain: A: PDB Molecule: trna (adenine(58)-n(1))-methyltransferase catalytic subunit PDBTitle: crystal structure of human m1a58 methyltransferase in a complex with2 trna3lys and sah
23	c5xj2C_	Alignment	not modelled	97.9	14	PDB header: transferase/rna Chain: C: PDB Molecule: uncharacterized rna methyltransferase sp_1029; PDBTitle: structure of sprlmcld with u747 rna
24	c6q56C_	Alignment	not modelled	97.9	16	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
25	c6pdmA_	Alignment	not modelled	97.9	11	PDB header: transferase Chain: A: PDB Molecule: protein arginine n-methyltransferase 9; PDBTitle: crystal structure of human protein arginine methyltransferase 92 (prmt9)
26	c3g5tA_	Alignment	not modelled	97.9	14	PDB header: transferase Chain: A: PDB Molecule: trans-aconitate 3-methyltransferase; PDBTitle: crystal structure of trans-aconitate 3-methyltransferase from yeast
27	c3fydA_	Alignment	not modelled	97.9	15	PDB header: transferase Chain: A: PDB Molecule: probable dimethyladenosine transferase; PDBTitle: crystal structure of dim1 from the thermophilic archeon,2 methanocaldococcus jannaschi
28	d1vbfA_	Alignment	not modelled	97.9	16	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases

						Family: Protein-L-isoaspartyl O-methyltransferase
29	c3grrA	Alignment	not modelled	97.9	15	PDB header: transferase Chain: A: PDB Molecule: dimethyladenosine transferase; PDBTitle: crystal structure of the complex between s-adenosyl homocysteine and 2-methanocaldococcus jannaschii dim1.
30	c3eeyL	Alignment	not modelled	97.9	19	PDB header: transferase Chain: J: PDB Molecule: putative rrna methylase; PDBTitle: crystal structure of putative rrna-methylase from clostridium2 thermocellum
31	c4ixjA	Alignment	not modelled	97.9	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
32	c3ku1E	Alignment	not modelled	97.9	17	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
33	d1i1na	Alignment	not modelled	97.9	16	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Protein-L-isoaspartyl O-methyltransferase
34	c5zy5B	Alignment	not modelled	97.9	16	PDB header: transferase Chain: B: PDB Molecule: probable catechol o-methyltransferase 1; PDBTitle: spcomt apo structure
35	c6h1dA	Alignment	not modelled	97.9	13	PDB header: gene regulation Chain: A: PDB Molecule: hemk methyltransferase family member 2; PDBTitle: crystal structure of c21orf127-trmt112 in complex with sah
36	c6ifsB	Alignment	not modelled	97.8	19	PDB header: transferase Chain: B: PDB Molecule: ribosomal rna small subunit methyltransferase a; PDBTitle: ksga from bacillus subtilis 168
37	d2cl5a1	Alignment	not modelled	97.8	16	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: COMT-like
38	c2ipxA	Alignment	not modelled	97.8	16	PDB header: transferase Chain: A: PDB Molecule: rrna 2'-o-methyltransferase fibrillar;in; PDBTitle: human fibrillar
39	c2pwyB	Alignment	not modelled	97.8	20	PDB header: transferase Chain: B: PDB Molecule: trna (adenine-n(1)-)-methyltransferase; PDBTitle: crystal structure of a m1a58 trna methyltransferase
40	c4c4aA	Alignment	not modelled	97.8	10	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
41	c4gc5A	Alignment	not modelled	97.8	14	PDB header: transferase Chain: A: PDB Molecule: dimethyladenosine transferase 1, mitochondrial; PDBTitle: crystal structure of murine tfb1m
42	d1m6ya2	Alignment	not modelled	97.8	15	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: MraW-like putative methyltransferases
43	c3mb5A	Alignment	not modelled	97.8	19	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
44	c3lbfC	Alignment	not modelled	97.8	17	PDB header: transferase Chain: C: PDB Molecule: protein-l-isoaspartate o-methyltransferase; PDBTitle: crystal structure of protein l-isoaspartyl methyltransferase from2 escherichia coli
45	c2pbfA	Alignment	not modelled	97.8	15	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
46	d1o54a	Alignment	not modelled	97.7	20	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: tRNA(1-methyladenosine) methyltransferase-like
47	c3tqsB	Alignment	not modelled	97.7	13	PDB header: transferase Chain: B: PDB Molecule: ribosomal rna small subunit methyltransferase a; PDBTitle: structure of the dimethyladenosine transferase (ksga) from coxiella2 burnetii
48	c4l7vA	Alignment	not modelled	97.7	13	PDB header: transferase Chain: A: PDB Molecule: protein-l-isoaspartate o-methyltransferase; PDBTitle: crystal structure of protein l-isoaspartyl-o-methyltransferase of2 vibrio cholerae
49	c3evzA	Alignment	not modelled	97.7	9	PDB header: transferase Chain: A: PDB Molecule: methyltransferase; PDBTitle: crystal structure of methyltransferase from pyrococcus furiosus
50	c5lkjA	Alignment	not modelled	97.7	19	PDB header: transferase Chain: A: PDB Molecule: histone-arginine methyltransferase carm1; PDBTitle: crystal structure of mouse carm1 in complex with ligand sa684
51	c5fubA	Alignment	not modelled	97.7	14	PDB header: transferase Chain: A: PDB Molecule: protein arginine methyltransferase 2; PDBTitle: crystal structure of zebrafish protein arginine methyltransferase 22 catalytic domain with sah
52	d2fba1	Alignment	not modelled	97.7	10	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent

52	d2mpa1	Alignment	not modelled	97.7	10	methyltransferases Family: YhhF-like
53	d1prya	Alignment	not modelled	97.7	14	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Fibrillarlin homologue
54	d1nt2a	Alignment	not modelled	97.7	22	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Fibrillarlin homologue
55	d1g8aa	Alignment	not modelled	97.7	14	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Fibrillarlin homologue
56	d1qyra	Alignment	not modelled	97.7	9	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: rRNA adenine dimethylase-like
57	c1yb2A	Alignment	not modelled	97.7	16	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: hypothetical protein ta0852; PDBTitle: structure of a putative methyltransferase from thermoplasma2 acidophilum.
58	d1yb2a1	Alignment	not modelled	97.7	16	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: tRNA(1-methyladenosine) methyltransferase-like
59	d2b3ta1	Alignment	not modelled	97.7	12	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: N5-glutamine methyltransferase, HemK
60	c5zw3B	Alignment	not modelled	97.7	15	PDB header: rna binding protein Chain: B: PDB Molecule: putative o-methyltransferase yrrm; PDBTitle: crystal structure of trmr from b. subtilis
61	c5kn4B	Alignment	not modelled	97.7	5	PDB header: transferase Chain: B: PDB Molecule: pavine n-methyltransferase; PDBTitle: pavine n-methyltransferase apoenzyme ph 6.0
62	c5mgzA	Alignment	not modelled	97.7	12	PDB header: transferase Chain: A: PDB Molecule: 8-demethylnovobiocic acid c(8)-methyltransferase; PDBTitle: streptomyces spheroides novo (8-demethylnovobiocic acid2 methyltransferase) with sah
63	c6gkvB	Alignment	not modelled	97.7	12	PDB header: transferase Chain: B: PDB Molecule: coclaurine n-methyltransferase; PDBTitle: crystal structure of coclaurine n-methyltransferase (cnmt) bound to n-2 methylheliamine and sah
64	d2b25a1	Alignment	not modelled	97.7	18	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: tRNA(1-methyladenosine) methyltransferase-like
65	c3mggB	Alignment	not modelled	97.7	9	PDB header: transferase Chain: B: PDB Molecule: methyltransferase; PDBTitle: crystal structure of methyl transferase from methanosarcina2 mazei
66	d1i9ga	Alignment	not modelled	97.6	21	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: tRNA(1-methyladenosine) methyltransferase-like
67	d1zq9a1	Alignment	not modelled	97.6	23	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: rRNA adenine dimethylase-like
68	c3c3yB	Alignment	not modelled	97.6	12	PDB header: transferase Chain: B: PDB Molecule: o-methyltransferase; PDBTitle: crystal structure of pfomt, phenylpropanoid and flavonoid o-2 methyltransferase from m. crystallinum
69	d1f3la	Alignment	not modelled	97.6	16	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Arginine methyltransferase
70	d1jsxa	Alignment	not modelled	97.6	12	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Glucose-inhibited division protein B (GidB)
71	c5hjmA	Alignment	not modelled	97.6	9	PDB header: transferase Chain: A: PDB Molecule: trna (guanine(37)-n1)-methyltransferase trm5a; PDBTitle: crystal structure of pyrococcus abyssi trm5a complexed with mta
72	c1vl5B	Alignment	not modelled	97.6	10	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
73	c3tr6A	Alignment	not modelled	97.6	14	PDB header: transferase Chain: A: PDB Molecule: o-methyltransferase; PDBTitle: structure of a o-methyltransferase from coxiella burnetii
74	c4m38A	Alignment	not modelled	97.6	14	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
75	c2esrB	Alignment	not modelled	97.6	13	PDB header: transferase Chain: B: PDB Molecule: methyltransferase; PDBTitle: conserved hypothetical protein- streptococcus pyogenes
76	d1vl5a	Alignment	not modelled	97.6	10	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: UbiE/COQ5-like
77	d2fcaa1	Alignment	not modelled	97.6	10	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: TrmB-like

78	c5n5dA	Alignment	not modelled	97.6	16	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
79	c2h1rA	Alignment	not modelled	97.6	11	PDB header: transferase Chain: A: PDB Molecule: dimethyladenosine transferase, putative; PDBTitle: crystal structure of a dimethyladenosine transferase from2 plasmodium falciparum
80	d1nv8a	Alignment	not modelled	97.6	15	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: N5- glutamine methyltransferase, HemK
81	c2yx1A	Alignment	not modelled	97.6	18	PDB header: transferase Chain: A: PDB Molecule: hypothetical protein mj0883; PDBTitle: crystal structure of m.jannaschii trna m1g37 methyltransferase
82	c5ergB	Alignment	not modelled	97.6	16	PDB header: transferase Chain: B: PDB Molecule: trna (adenine(58)-n(1))-methyltransferase catalytic subunit PDBTitle: crystal structure of the two-subunit trna m1a58 methyltransferase2 trm6-trm61 in complex with sam
83	c5fwaA	Alignment	not modelled	97.6	13	PDB header: transferase Chain: A: PDB Molecule: protein arginine n-methyltransferase 2; PDBTitle: crystal structure of mus musculus protein arginine methyltransferase 22 with cp1
84	d2esra1	Alignment	not modelled	97.6	13	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: YhhF-like
85	d1g6q1	Alignment	not modelled	97.6	13	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Arginine methyltransferase
86	d1jg1a	Alignment	not modelled	97.6	14	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Protein-L-isoaspartyl O-methyltransferase
87	c4dztA	Alignment	not modelled	97.6	17	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
88	c4lwoG	Alignment	not modelled	97.5	17	PDB header: transferase Chain: G: PDB Molecule: arginine n-methyltransferase, putative; PDBTitle: crystal structure of prmt6
89	c6dnzB	Alignment	not modelled	97.5	14	PDB header: gene regulation Chain: B: PDB Molecule: arginine n-methyltransferase, putative; PDBTitle: trypanosoma brucei prmt1 enzyme-prozyme heterotetrameric complex with2 adohcy
90	d1xxla	Alignment	not modelled	97.5	15	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: UbiE/COQ5-like
91	c3ntvB	Alignment	not modelled	97.5	9	PDB header: transferase Chain: B: PDB Molecule: mw1564 protein; PDBTitle: crystal structure of a putative caffeoyl-coa o-methyltransferase from2 staphylococcus aureus
92	c6ectA	Alignment	not modelled	97.5	12	PDB header: transferase Chain: A: PDB Molecule: stie protein; PDBTitle: stie o-mt residues 961-1257
93	d1sqa2	Alignment	not modelled	97.5	9	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: NOL1/NOP2/sun
94	d1wy7a1	Alignment	not modelled	97.5	15	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Ta1320-like
95	d2fpoa1	Alignment	not modelled	97.5	14	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: YhhF-like
96	c5bxyB	Alignment	not modelled	97.5	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
97	c2hncC	Alignment	not modelled	97.5	12	PDB header: transferase Chain: C: PDB Molecule: sam-dependent o-methyltransferase; PDBTitle: crystal structure of sam-dependent o-methyltransferase from pathogenic2 bacterium leptospira interrogans
98	c3lbyA	Alignment	not modelled	97.5	11	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
99	c3cbgA	Alignment	not modelled	97.5	12	PDB header: transferase Chain: A: PDB Molecule: o-methyltransferase; PDBTitle: functional and structural characterization of a cationdependent o-2 methyltransferase from the cyanobacterium synechocystis sp. strain3 pcc 6803
100	d1oria	Alignment	not modelled	97.5	16	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Arginine methyltransferase
101	c4hc4A	Alignment	not modelled	97.5	18	PDB header: transferase Chain: A: PDB Molecule: protein arginine n-methyltransferase 6; PDBTitle: human hmt1 hnnp methyltransferase-like protein 6 (s. cerevisiae)
						PDB header: transferase

102	c3mq2A_	Alignment	not modelled	97.5	25	Chain: A: PDB Molecule: 16s rna methyltransferase; PDBTitle: crystal structure of 16s rna methyltransferase kamb
103	c5yacA_	Alignment	not modelled	97.5	17	PDB header: rna binding protein Chain: A: PDB Molecule: trna (guanine(37)-n1)-methyltransferase trm5b; PDBTitle: crystal structure of wt trm5b from pyrococcus abyssi
104	c1uwvA_	Alignment	not modelled	97.5	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
105	d2avda1	Alignment	not modelled	97.5	14	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: COMT-like
106	c3r0qA_	Alignment	not modelled	97.4	15	PDB header: transferase Chain: A: PDB Molecule: probable protein arginine n-methyltransferase 4.2; PDBTitle: a uniquely open conformation revealed in the crystal structure of f2 arabidopsis thaliana protein arginine methyltransferase 10
107	c3wssA_	Alignment	not modelled	97.4	16	PDB header: transferase Chain: A: PDB Molecule: protein arginine n-methyltransferase 7; PDBTitle: crystal structure of c.elegans prmt7 in complex with sah (p43212)
108	c4dcmA_	Alignment	not modelled	97.4	14	PDB header: transferase Chain: A: PDB Molecule: ribosomal rna large subunit methyltransferase g; PDBTitle: crystal structure of methyltransferase rlmg modifying g1835 of 23s2 rna in escherichia coli
109	d1uwva2	Alignment	not modelled	97.4	15	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: (Uracil-5-)-methyltransferase
110	c2yvlB_	Alignment	not modelled	97.4	17	PDB header: transferase Chain: B: PDB Molecule: hypothetical protein; PDBTitle: crystal structure of trna (m1a58) methyltransferase trmi from aquifex2 aeolicus
111	c4y30B_	Alignment	not modelled	97.4	18	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
112	d1yzha1	Alignment	not modelled	97.4	10	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: TrmB-like
113	c3b3jA_	Alignment	not modelled	97.4	19	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)
114	d2b9ea1	Alignment	not modelled	97.4	15	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: NOL1/NOP2/sun
115	c2v7eB_	Alignment	not modelled	97.4	18	PDB header: transferase Chain: B: PDB Molecule: histone-arginine methyltransferase carm1; PDBTitle: crystal structure of coactivator-associated arginine2 methyltransferase 1 (carm1), unliganded
116	d1dusa_	Alignment	not modelled	97.4	11	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Hypothetical protein MJ0882
117	c2ozvA_	Alignment	not modelled	97.4	12	PDB header: transferase Chain: A: PDB Molecule: hypothetical protein atu0636; PDBTitle: crystal structure of a predicted o-methyltransferase, protein atu6362 from agrobacterium tumefaciens.
118	c3gdhC_	Alignment	not modelled	97.4	16	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)
119	c4oa8A_	Alignment	not modelled	97.4	16	PDB header: transferase Chain: A: PDB Molecule: o-methyltransferase family protein; PDBTitle: x-ray crystal structure of o-methyltransferase from anaplasma2 phagocytophilum in apo form
120	c3p2kA_	Alignment	not modelled	97.4	14	PDB header: transferase Chain: A: PDB Molecule: 16s rna methylase; PDBTitle: structure of an antibiotic related methyltransferase