

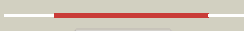























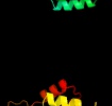









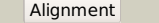
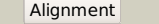

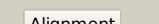
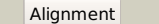
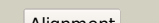





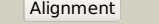
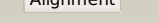
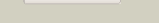




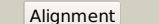

Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD1694_(tlyA)_1917947_1918753
Date	Fri Aug 2 13:30:29 BST 2019
Unique Job ID	e7de0c56e93b16c7

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c3hp7A_	 Alignment		100.0	37	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: hemolysin, putative; PDBTitle: putative hemolysin from streptococcus thermophilus.
2	c5eovA_	 Alignment		100.0	100	PDB header: transferase Chain: A: PDB Molecule: 16s/23s rrna (cytidine-2'-o)-methyltransferase tlya; PDBTitle: c-terminal domain of the 16s/23s rrna (cytidine-2'-o)-2 methyltransferase tlya.
3	c3opnA_	 Alignment		100.0	38	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: putative hemolysin; PDBTitle: the crystal structure of a putative hemolysin from lactococcus lactis
4	d2p41a1	 Alignment		99.8	21	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: mRNA cap methylase
5	c3lkzB_	 Alignment		99.8	17	PDB header: viral protein Chain: B: PDB Molecule: non-structural protein 5; PDBTitle: structural and functional analyses of a conserved hydrophobic pocket2 of flavivirus methyltransferase
6	c4qnuH_	 Alignment		99.8	18	PDB header: transferase Chain: H: PDB Molecule: trna (mo5u34)-methyltransferase; PDBTitle: crystal structure of cmob bound with cx-sam in p21212
7	c4krhB_	 Alignment		99.8	17	PDB header: transferase Chain: B: PDB Molecule: phosphoethanolamine n-methyltransferase 2; PDBTitle: semet haemonchus contortus phosphoethanolamine n-methyltransferase 22 in complex with s-adenosyl-l-methionine
8	c4p7cB_	 Alignment		99.8	19	PDB header: transferase Chain: B: PDB Molecule: trna (mo5u34)-methyltransferase; PDBTitle: crystal structure of putative methyltransferase from pseudomonas2 syringae pv. tomato
9	c6g4wq_	 Alignment		99.8	20	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
10	c5wp5A_	 Alignment		99.8	14	PDB header: transferase Chain: A: PDB Molecule: phosphomethylethanolamine n-methyltransferase 2; PDBTitle: arabidopsis thaliana phosphoethanolamine n-methyltransferase 22 (atpmt2) in complex with sah
11	d1tpya_	 Alignment		99.8	13	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Mycolic acid cyclopropane synthase

12	c3evaA	Alignment		99.8	19	PDB header: transferase Chain: A: PDB Molecule: rna-directed rna polymerase ns5; PDBTitle: crystal structure of yellow fever virus methyltransferase complexed2 with s-adenosyl-l-homocysteine
13	c3ujcA	Alignment		99.8	13	PDB header: transferase Chain: A: PDB Molecule: phosphoethanolamine n-methyltransferase; PDBTitle: phosphoethanolamine methyltransferase mutant (h132a) from plasmodium2 falciparum in complex with phosphocholine
14	c2p3qA	Alignment		99.8	21	PDB header: viral protein,transferase Chain: A: PDB Molecule: type ii methyltransferase; PDBTitle: crystal structure of dengue methyltransferase in complex with gpppg2 and s-adenosyl-l-homocysteine
15	d1kpia	Alignment		99.8	16	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Mycolic acid cyclopropane synthase
16	c4ineB	Alignment		99.8	16	PDB header: transferase Chain: B: PDB Molecule: protein pmt-2; PDBTitle: crystal structure of n-methyl transferase (pmt-2) from caenorhabditis2 elegant complexed with s-adenosyl homocysteine and3 phosphoethanolamine
17	c2yr0A	Alignment		99.8	16	PDB header: transferase Chain: A: PDB Molecule: hypothetical protein ttha0223; PDBTitle: crystal structure of hypothetical methyltransferase ttha0223 from2 thermus thermophilus hb8
18	c3e7pA	Alignment		99.8	14	PDB header: transferase Chain: A: PDB Molecule: putative methyltransferase; PDBTitle: crystal structure of of putative methyltransferase from bacteroides2 vulgatus atcc 8482
19	d1kpga	Alignment		99.8	15	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Mycolic acid cyclopropane synthase
20	d2fk8a1	Alignment		99.8	13	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Mycolic acid cyclopropane synthase
21	c6dcbA	Alignment	not modelled	99.8	16	PDB header: transferase/rna Chain: A: PDB Molecule: 7sk snrna methylphosphate capping enzyme; PDBTitle: structure of methylphosphate capping enzyme methyltransferase domain2 in complex with 5' end of 7sk rna
22	c3grzA	Alignment	not modelled	99.8	17	PDB header: transferase Chain: A: PDB Molecule: ribosomal protein l11 methyltransferase; PDBTitle: crystal structure of ribosomal protein l11 methylase from2 lactobacillus delbrueckii subsp. bulgaricus
23	c2fk8A	Alignment	not modelled	99.8	13	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
24	d1l1ea	Alignment	not modelled	99.8	15	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Mycolic acid cyclopropane synthase
25	c3ccfB	Alignment	not modelled	99.8	14	PDB header: transferase Chain: B: PDB Molecule: cyclopropane-fatty-acyl-phospholipid synthase; PDBTitle: crystal structure of putative methyltransferase (yp_321342.1) from2 anabaena variabilis atcc 29413 at 1.90 a resolution
26	c3bkxB	Alignment	not modelled	99.8	17	PDB header: transferase Chain: B: PDB Molecule: sam-dependent methyltransferase; PDBTitle: crystal structure of cyclopropane-fatty-acyl-phospholipid synthase-2 like protein (yp_807781.1) from lactobacillus casei atcc 334 at 1.853 a resolution
27	d2nxca1	Alignment	not modelled	99.8	17	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Ribosomal protein L11 methyltransferase PrmA

28	c5z9oA_	 Alignment	not modelled	99.8	12	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
29	c3f4kA_	 Alignment	not modelled	99.8	13	PDB header: transferase Chain: A: PDB Molecule: putative methyltransferase; PDBTitle: crystal structure of a probable methyltransferase from2 bacteroides thetaiotaomicron. northeast structural3 genomics target btr309.
30	d1xtpa_	 Alignment	not modelled	99.8	18	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: AD-003 protein-like
31	c6bqcA_	 Alignment	not modelled	99.8	15	PDB header: transferase Chain: A: PDB Molecule: cyclopropane-fatty-acyl-phospholipid synthase; PDBTitle: cyclopropane fatty acid synthase from e. coli
32	c5ubbA_	 Alignment	not modelled	99.8	13	PDB header: transferase Chain: A: PDB Molecule: alpha n-terminal protein methyltransferase 1b; PDBTitle: crystal structure of human alpha n-terminal protein methyltransferase2 1b
33	c4qttB_	 Alignment	not modelled	99.8	19	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 rrna (apo-form)
34	c3vc2J_	 Alignment	not modelled	99.8	13	PDB header: transferase Chain: J: PDB Molecule: geranyl diphosphate 2-c-methyltransferase; PDBTitle: crystal structure of geranyl diphosphate c-methyltransferase from2 streptomyces coelicolor a3(2) in complex with mg2+, geranyl3 diphosphate, and s-adenosyl-l-homocysteine
35	c3lpmA_	 Alignment	not modelled	99.8	12	PDB header: transferase Chain: A: PDB Molecule: putative methyltransferase; PDBTitle: crystal structure of putative methyltransferase small domain protein2 from listeria monocytogenes
36	c4iv0B_	 Alignment	not modelled	99.8	11	PDB header: transferase Chain: B: PDB Molecule: phosphoethanolamine n-methyltransferase, putative; PDBTitle: crystal structure of n-methyl transferase from plasmodium vivax2 complexed with s-adenosyl methionine and phosphate
37	d2ex4a1	 Alignment	not modelled	99.8	19	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: AD-003 protein-like
38	d2p7ia1	 Alignment	not modelled	99.8	11	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: UbiE/COQ5-like
39	c3g5IA_	 Alignment	not modelled	99.7	18	PDB header: transferase Chain: A: PDB Molecule: putative s-adenosylmethionine dependent methyltransferase; PDBTitle: crystal structure of putative s-adenosylmethionine dependent2 methyltransferase from listeria monocytogenes
40	c3e8sA_	 Alignment	not modelled	99.7	18	PDB header: transferase Chain: A: PDB Molecule: putative sam dependent methyltransferase; PDBTitle: crystal structure of putative sam dependent methyltransferase in2 complex with sah (np_744700.1) from pseudomonas putida kt2440 at 2.103 a resolution
41	d1nkva_	 Alignment	not modelled	99.7	11	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Hypothetical Protein YjhP
42	c4kdcA_	 Alignment	not modelled	99.7	18	PDB header: transferase Chain: A: PDB Molecule: 3-demethylubiquinone-9 3-methyltransferase; PDBTitle: crystal structure of ubig
43	c3l8dA_	 Alignment	not modelled	99.7	13	PDB header: transferase Chain: A: PDB Molecule: methyltransferase; PDBTitle: crystal structure of methyltransferase from bacillus thuringiensis
44	d1ej0a_	 Alignment	not modelled	99.7	18	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: RNA methyltransferase FtsJ
45	d1zx0a1	 Alignment	not modelled	99.7	12	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Guanidinoacetate methyltransferase
46	c3cc8A_	 Alignment	not modelled	99.7	14	PDB header: transferase Chain: A: PDB Molecule: putative methyltransferase; PDBTitle: crystal structure of a putative methyltransferase (bce_1332) from2 bacillus cereus atcc 10987 at 1.64 a resolution
47	c3gczA_	 Alignment	not modelled	99.7	18	PDB header: transferase Chain: A: PDB Molecule: polyprotein; PDBTitle: yokose virus methyltransferase in complex with adomet
48	c4rvga_	 Alignment	not modelled	99.7	15	PDB header: transferase Chain: A: PDB Molecule: d-mycarose 3-c-methyltransferase; PDBTitle: crystal structure of mtmc in complex with sam and tdp
49	d1jqea_	 Alignment	not modelled	99.7	12	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Histamine methyltransferase
50	d2o57a1	 Alignment	not modelled	99.7	13	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Mycolic acid cyclopropane synthase PDB header: transferase

51	c1vl5B_	Alignment	not modelled	99.7	12	Chain: B: PDB Molecule: unknown conserved protein bn2331; PDBTitle: crystal structure of a putative methyltransferase (bh2331) from <i>Bacillus halodurans</i> c-125 at 1.95 Å resolution
52	c3qnhA_	Alignment	not modelled	99.7	17	PDB header: transferase Chain: A: PDB Molecule: arsenic methyltransferase; PDBTitle: arsm arsenic(III) s-adenosylmethionine methyltransferase with as(III)
53	d1vl5a_	Alignment	not modelled	99.7	12	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: UbiE/COQ5-like
54	c4x1oA_	Alignment	not modelled	99.7	21	PDB header: transferase Chain: A: PDB Molecule: 16s rRNA (adenine(1408)-n(1))-methyltransferase; PDBTitle: crystal structure of the 16s rRNA (adenine(1408)-n(1))-2 methyltransferase from <i>Catenulisporales acidiphilia</i>
55	c2p7iB_	Alignment	not modelled	99.7	11	PDB header: transferase Chain: B: PDB Molecule: hypothetical protein; PDBTitle: crystal structure of a SAM-dependent methyltransferase type 12 family 2 protein (eca1738) from <i>Pectobacterium atrosepticum</i> scrl1043 at 1.74 Å resolution
56	c3dlcA_	Alignment	not modelled	99.7	16	PDB header: transferase Chain: A: PDB Molecule: putative s-adenosyl-L-methionine-dependent PDBTitle: crystal structure of a putative s-adenosyl-L-methionine-dependent 2 methyltransferase (mmp1179) from <i>Methanococcus maripaludis</i> at 1.15 Å resolution
57	c3h2bB_	Alignment	not modelled	99.7	16	PDB header: transferase Chain: B: PDB Molecule: sam-dependent methyltransferase; PDBTitle: crystal structure of the SAM-dependent methyltransferase cg3271 from <i>Corynebacterium glutamicum</i> in complex with s-adenosyl-L-homocysteine 3 and pyrophosphate. northeast structural genomics consortium target4_cgr113a
58	c5je0B_	Alignment	not modelled	99.7	22	PDB header: transferase Chain: B: PDB Molecule: methyl transferase; PDBTitle: crystal structure of <i>Burkholderia glumae</i> Toxa with bound s-2 adenosylhomocysteine (sah) and 1,6-didemethyltoxoflavin
59	c5egpB_	Alignment	not modelled	99.7	17	PDB header: transferase Chain: B: PDB Molecule: ubie/coq5 family methyltransferase, putative; PDBTitle: crystal structure of the s-methyltransferase tmta
60	c5evjA_	Alignment	not modelled	99.7	17	PDB header: transferase Chain: A: PDB Molecule: arsenite methyltransferase; PDBTitle: x-ray crystal structure of crasm, an arsenic (III) s-2 adenosylmethionine methyltransferase from <i>Chlamydomonas reinhardtii</i>
61	d2a14a1	Alignment	not modelled	99.7	16	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Arylamine N-methyltransferase
62	c3bkwB_	Alignment	not modelled	99.7	21	PDB header: transferase Chain: B: PDB Molecule: s-adenosylmethionine dependent methyltransferase; PDBTitle: crystal structure of s-adenosylmethionine dependent methyltransferase 2 (np_104914.1) from <i>Mesorhizobium loti</i> at 1.60 Å resolution
63	c5bp9A_	Alignment	not modelled	99.7	16	PDB header: transferase Chain: A: PDB Molecule: putative methyltransferase protein; PDBTitle: crystal structure of SAM-dependent methyltransferase from <i>Bacteroides fragilis</i> in complex with s-adenosyl-L-homocysteine
64	c3g5tA_	Alignment	not modelled	99.7	9	PDB header: transferase Chain: A: PDB Molecule: trans-aconitate 3-methyltransferase; PDBTitle: crystal structure of trans-aconitate 3-methyltransferase from yeast
65	c3lccA_	Alignment	not modelled	99.7	17	PDB header: transferase Chain: A: PDB Molecule: putative methyl chloride transferase; PDBTitle: structure of a SAM-dependent halide methyltransferase from <i>Arabidopsis thaliana</i>
66	c3ou7A_	Alignment	not modelled	99.7	16	PDB header: transferase Chain: A: PDB Molecule: sam-dependent methyltransferase; PDBTitle: dhpi-sam-hep complex
67	c4pneA_	Alignment	not modelled	99.7	14	PDB header: biosynthetic protein Chain: A: PDB Molecule: methyltransferase-like protein; PDBTitle: crystal structure of the [4+2]-cyclase spnf
68	d1r74a_	Alignment	not modelled	99.7	25	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Glycine N-methyltransferase
69	c3bgvC_	Alignment	not modelled	99.7	11	PDB header: transferase Chain: C: PDB Molecule: mRNA cap guanine-n7 methyltransferase; PDBTitle: crystal structure of mRNA cap guanine-n7 methyltransferase 2 in complex with sah
70	c4krkB_	Alignment	not modelled	99.7	18	PDB header: transferase Chain: B: PDB Molecule: phosphoethanolamine N-methyltransferase 1; PDBTitle: <i>Semet haemonchus contortus</i> phosphoethanolamine N-methyltransferase 12 in complex with phosphoethanolamine and s-adenosylhomocysteine
71	c4htfA_	Alignment	not modelled	99.7	17	PDB header: transferase Chain: A: PDB Molecule: s-adenosylmethionine-dependent methyltransferase; PDBTitle: crystal structure of s-adenosylmethionine-dependent methyltransferase 2 from <i>Escherichia coli</i> in complex with s-adenosylmethionine.
72	d1g8sa_	Alignment	not modelled	99.7	15	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Fibrillarlin homologue
73	c3douA_	Alignment	not modelled	99.7	22	PDB header: transferase Chain: A: PDB Molecule: ribosomal rRNA large subunit methyltransferase j; PDBTitle: crystal structure of methyltransferase involved in cell

						division from2 thermoplasma volcanicum gss1
74	c5w7kA_	Alignment	not modelled	99.7	12	PDB header: transferase Chain: A: PDB Molecule: oxag; PDBTitle: crystal structure of oxag
75	c1z3cA_	Alignment	not modelled	99.7	17	PDB header: transferase Chain: A: PDB Molecule: mrna capping enzyme; PDBTitle: encephalitozoon cuniculi mrna cap (guanine-n7)2 methyltransferasein complexed with azoadomet
76	d1xcla_	Alignment	not modelled	99.7	14	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Guanidinoacetate methyltransferase
77	d1ri5a_	Alignment	not modelled	99.7	17	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: mRNA cap (Guanine N-7) methyltransferase
78	c3dliB_	Alignment	not modelled	99.7	15	PDB header: transferase Chain: B: PDB Molecule: methyltransferase; PDBTitle: crystal structure of a sam dependent methyltransferase from2 archaeoglobus fulgidus
79	d1nt2a_	Alignment	not modelled	99.7	16	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Fibrillarlin homologue
80	c5gm2E_	Alignment	not modelled	99.7	17	PDB header: transferase Chain: E: PDB Molecule: o-methyltransferase; PDBTitle: crystal structure of methyltransferase tled complexed with sah and2 teleocidin a1
81	c2plwA_	Alignment	not modelled	99.7	15	PDB header: transferase Chain: A: PDB Molecule: ribosomal rna methyltransferase, putative; PDBTitle: crystal structure of a ribosomal rna methyltransferase, putative, from2 plasmodium falciparum (pf13_0052).
82	c6f5zB_	Alignment	not modelled	99.7	14	PDB header: transferase Chain: B: PDB Molecule: 24-sterol c-methyltransferase; PDBTitle: complex between the haloferax volcanii trm112 methyltransferase2 activator and the hvo_0019 putative methyltransferase
83	c4necC_	Alignment	not modelled	99.7	25	PDB header: transferase/antibiotic Chain: C: PDB Molecule: putative sam-dependent methyltransferase; PDBTitle: conversion of a disulfide bond into a thioacetal group during2 echinomycin biosynthesis
84	d2gh1a1	Alignment	not modelled	99.7	13	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: BC2162-like
85	c3ndjA_	Alignment	not modelled	99.7	17	PDB header: transferase Chain: A: PDB Molecule: methyltransferase; PDBTitle: x-ray structure of a c-3'-methyltransferase in complex with s-2 adenosyl-l-homocysteine and sugar product
86	d1xxla_	Alignment	not modelled	99.7	11	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: UbiE/COQ5-like
87	c3egeA_	Alignment	not modelled	99.7	16	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
88	d1wg8a2	Alignment	not modelled	99.7	24	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: MraW-like putative methyltransferases
89	c5mptA_	Alignment	not modelled	99.7	14	PDB header: transferase Chain: A: PDB Molecule: citritrin polyketide synthase; PDBTitle: structure of the citritrin polyketide synthase cmet domain
90	c2esrB_	Alignment	not modelled	99.7	21	PDB header: transferase Chain: B: PDB Molecule: methyltransferase; PDBTitle: conserved hypothetical protein- streptococcus pyogenes
91	d1pjza_	Alignment	not modelled	99.7	16	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Thiopurine S-methyltransferase
92	c6gkvB_	Alignment	not modelled	99.7	17	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
93	d1ve3a1	Alignment	not modelled	99.7	18	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: CAC2371-like
94	c3ku1E_	Alignment	not modelled	99.7	16	PDB header: transferase Chain: E: PDB Molecule: sam-dependent methyltransferase; PDBTitle: crystal structure of streptococcus pneumoniae sp1610, a putative trna2 (m1a22) methyltransferase, in complex with s-adenosyl-l-methionine
95	c6d6yA_	Alignment	not modelled	99.7	15	PDB header: transferase Chain: A: PDB Molecule: apra methyltransferase 2; PDBTitle: apra methyltransferase 2 - gnat didomain in complex with sah
96	d2esra1	Alignment	not modelled	99.7	21	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: YhhF-like
97	c3busB_	Alignment	not modelled	99.7	11	PDB header: transferase Chain: B: PDB Molecule: methyltransferase; PDBTitle: crystal structure of rebm
						PDB header: transferase Chain: B: PDB Molecule: methyltransferase domain protein;

98	c5ufmB_	Alignment	not modelled	99.7	18	PDBTitle: crystal structure of burkholderia thailandensis 1,6-2 didemethyltoxoflavin-n1-methyltransferase with bound 1,6-3 didemethyltoxoflavin and s-adenosylhomocysteine
99	c3ofkA_	Alignment	not modelled	99.7	17	PDB header: transferase Chain: A: PDB Molecule: nodulation protein s; PDBTitle: crystal structure of n-methyltransferase nod from bradyrhizobium2 japonicum wm9 in complex with s-adenosyl-l-homocysteine (sah)
100	c5kn4B_	Alignment	not modelled	99.7	15	PDB header: transferase Chain: B: PDB Molecule: pavine n-methyltransferase; PDBTitle: pavine n-methyltransferase apoenzyme ph 6.0
101	c3hnrA_	Alignment	not modelled	99.7	14	PDB header: transferase Chain: A: PDB Molecule: probable methyltransferase bt9727_4108; PDBTitle: crystal structure of a probable methyltransferase2 bt9727_4108 from bacillus thuringiensis subsp. northeast3 structural genomics consortium target id bur219
102	c6mroA_	Alignment	not modelled	99.7	14	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.
103	c3g07C_	Alignment	not modelled	99.7	22	PDB header: transferase Chain: C: PDB Molecule: 7sk snrna methylphosphate capping enzyme; PDBTitle: methyltransferase domain of human bicoid-interacting protein 3 homolog2 (drosophila)
104	c4df3B_	Alignment	not modelled	99.7	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
105	c2pxxA_	Alignment	not modelled	99.7	15	PDB header: transferase Chain: A: PDB Molecule: uncharacterized protein mgc2408; PDBTitle: human putative methyltransferase mgc2408
106	c3m70A_	Alignment	not modelled	99.7	15	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: tellurite resistance protein tehb homolog; PDBTitle: crystal structure of tehb from haemophilus influenzae
107	d1p1ca_	Alignment	not modelled	99.7	14	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Guanidinoacetate methyltransferase
108	c3cggB_	Alignment	not modelled	99.7	20	PDB header: transferase Chain: B: PDB Molecule: sam-dependent methyltransferase; PDBTitle: crystal structure of tehb-like sam-dependent methyltransferase2 (np_600671.1) from corynebacterium glutamicum atcc 13032 kitasato at3 2.00 a resolution
109	c3e23A_	Alignment	not modelled	99.7	21	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein rpa2492; PDBTitle: crystal structure of the rpa2492 protein in complex with sam from2 rhodopseudomonas palustris, northeast structural genomics consortium3 target rpr299
110	c3lecA_	Alignment	not modelled	99.7	17	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
111	c5mgzA_	Alignment	not modelled	99.7	17	PDB header: transferase Chain: A: PDB Molecule: 8-demethylnovobioc acid c(8)-methyltransferase; PDBTitle: streptomyces spheroides novo (8-demethylnovobioc acid2 methyltransferase) with sah
112	d1ne2a_	Alignment	not modelled	99.7	26	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Ta1320-like
113	c5fcdA_	Alignment	not modelled	99.7	13	PDB header: transferase Chain: A: PDB Molecule: mccd; PDBTitle: crystal structure of mccd protein
114	c5lkjA_	Alignment	not modelled	99.7	13	PDB header: transferase Chain: A: PDB Molecule: histone-arginine methyltransferase carm1; PDBTitle: crystal structure of mouse carm1 in complex with ligand sa684
115	c5t39A_	Alignment	not modelled	99.7	15	PDB header: transferase Chain: A: PDB Molecule: evdmo1; PDBTitle: crystal structure of the n-terminal domain of evdmo1 in the presence2 of sah and d-fucose
116	d1xvaa_	Alignment	not modelled	99.7	22	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Glycine N-methyltransferase
117	c2gs9A_	Alignment	not modelled	99.7	18	PDB header: transferase Chain: A: PDB Molecule: hypothetical protein tt1324; PDBTitle: crystal structure of tt1324 from thermus thermophilis hb8
118	c5bxyB_	Alignment	not modelled	99.7	13	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
119	d2fcaa1	Alignment	not modelled	99.7	15	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: TrmB-like
120	c3sm3A_	Alignment	not modelled	99.6	12	PDB header: transferase Chain: A: PDB Molecule: sam-dependent methyltransferases; PDBTitle: crystal structure of sam-dependent methyltransferases q8puk2_metma2 from methanosarcina mazei. northeast structural genomics consortium3 target mar262.