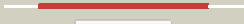



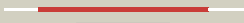






















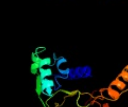




Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD0145 (-) _171213_172166
Date	Tue Jul 23 14:50:19 BST 2019
Unique Job ID	00648d319adadebd

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	d2uyoa1	 Alignment		100.0	47	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: ML2640-like
2	c3ieiD	 Alignment		100.0	19	PDB header: transferase Chain: D: PDB Molecule: leucine carboxyl methyltransferase 1; PDBTitle: crystal structure of human leucine carboxylmethyltransferase-1 in2 complex with s-adenosyl homocysteine
3	d1rjda	 Alignment		100.0	18	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Leucine carboxy methyltransferase Ppm1
4	c3mntA	 Alignment		100.0	22	PDB header: transferase Chain: A: PDB Molecule: leucine carboxyl methyltransferase 1; PDBTitle: crystal structure of human leucine carboxyl methyltransferase 1
5	c2zwaA	 Alignment		100.0	15	PDB header: transferase Chain: A: PDB Molecule: leucine carboxyl methyltransferase 2; PDBTitle: crystal structure of trna wybutosine synthesizing enzyme2 tyw4
6	c2qe6B	 Alignment		99.9	21	PDB header: transferase Chain: B: PDB Molecule: uncharacterized protein tfu_2867; PDBTitle: crystal structure of a putative methyltransferase (tfu_2867) from2 thermobifida fusca yx at 1.95 a resolution
7	c3giwA	 Alignment		99.7	17	PDB header: unknown function Chain: A: PDB Molecule: protein of unknown function duf574; PDBTitle: crystal structure of a duf574 family protein (sav_2177) from2 streptomyces avermitilis ma-4680 at 1.45 a resolution
8	c3mczB	 Alignment		98.6	15	PDB header: transferase Chain: B: PDB Molecule: o-methyltransferase; PDBTitle: the structure of an o-methyltransferase family protein from2 burkholderia thailandensis.
9	c4qvqC	 Alignment		98.6	15	PDB header: transferase Chain: C: PDB Molecule: sib1; PDBTitle: crystal structure of s-adenosylmethionine-dependent methyltransferase2 sib1 in its apo form
10	c6clwA	 Alignment		98.5	15	PDB header: biosynthetic protein Chain: A: PDB Molecule: o-methyltransferase; PDBTitle: crystal structure of tmnh
11	c3gwzB	 Alignment		98.5	17	PDB header: transferase Chain: B: PDB Molecule: mmcr; PDBTitle: structure of the mitomycin 7-o-methyltransferase mmcr

12	c3p9kD	Alignment		98.4	12	PDB header: transferase Chain: D: PDB Molecule: caffeic acid o-methyltransferase; PDBTitle: crystal structure of perennial ryegrass lpomt1 complexed with s-2 adenosyl-l-homocysteine and coniferaldehyde
13	c3dp7B	Alignment		98.4	12	PDB header: transferase Chain: B: PDB Molecule: sam-dependent methyltransferase; PDBTitle: crystal structure of sam-dependent methyltransferase from bacteroides2 vulgatus atcc 8482
14	c6i5zA	Alignment		98.3	16	PDB header: transferase Chain: A: PDB Molecule: o-methyltransferase 1; PDBTitle: papaver somniferum o-methyltransferase
15	c5cvvB	Alignment		98.3	13	PDB header: transferase Chain: B: PDB Molecule: (iso)eugenol o-methyltransferase; PDBTitle: coniferyl alcohol bound monolignol 4-o-methyltransferase 9
16	c1x1aA	Alignment		98.3	14	PDB header: transferase Chain: A: PDB Molecule: crtf-related protein; PDBTitle: crystal structure of bchu complexed with s-adenosyl-l-methionine
17	c3ocjA	Alignment		98.2	13	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: putative exported protein; PDBTitle: the crystal structure of a possilbe exported protein from bordetella2 parapertussis
18	c6c5bB	Alignment		98.2	15	PDB header: transferase Chain: B: PDB Molecule: methyltransferase; PDBTitle: crystal structure analysis of laphzm
19	c5i2hB	Alignment		98.2	16	PDB header: transferase Chain: B: PDB Molecule: o-methyltransferase family 2; PDBTitle: crystal structure of o-methyltransferase family 2 protein plim_11472 from planctomyces limnophilus dsm 3776 complex with apigenin
20	c1xduA	Alignment		98.2	13	PDB header: transferase Chain: A: PDB Molecule: protein rdmb; PDBTitle: crystal structure of aclacinomycin-10-hydroxylase (rdmb) in complex2 with sinefungin (sfg)
21	d1tw3a2	Alignment	not modelled	98.2	18	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Plant O-methyltransferase, C-terminal domain
22	c1tw3A	Alignment	not modelled	98.1	18	PDB header: transferase Chain: A: PDB Molecule: carminomycin 4-o-methyltransferase; PDBTitle: crystal structure of carminomycin-4-o-methyltransferase (dnrk) in2 complex with s-adenosyl-l-homocystein (sah) and 4-methoxy-e-3 rhodomycin t (m-et)
23	d1fp1d2	Alignment	not modelled	98.1	13	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Plant O-methyltransferase, C-terminal domain
24	d1qzza2	Alignment	not modelled	98.1	13	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Plant O-methyltransferase, C-terminal domain
25	c2ip2B	Alignment	not modelled	98.1	16	PDB header: transferase Chain: B: PDB Molecule: probable phenazine-specific methyltransferase; PDBTitle: structure of the pyocyanin biosynthetic protein phzm
26	c5xohA	Alignment	not modelled	98.1	14	PDB header: transferase Chain: A: PDB Molecule: bergaptol o-methyltransferase; PDBTitle: crystal structure of bergaptol o-methyltransferase complex
27	c1kyzC	Alignment	not modelled	98.1	12	PDB header: transferase Chain: C: PDB Molecule: caffeic acid 3-o-methyltransferase; PDBTitle: crystal structure analysis of caffeic acid/5-hydroxyferulic2 acid 3/5-o-methyltransferase ferulic acid complex
28	c4a6dA	Alignment	not modelled	98.0	10	PDB header: transferase Chain: A: PDB Molecule: hydroxyindole o-methyltransferase; PDBTitle: crystal structure of human n-acetylserotonin2

						methyltransferase (asmt) in complex with sam PDB header: transferase
29	c4uy5A_	Alignment	not modelled	98.0	16	Chain: A: PDB Molecule: histidine-specific methyltransferase egtg; PDBTitle: crystal structure of histidine-specific methyltransferase egtg from2 mycobacterium smegmatis
30	c2r3sA_	Alignment	not modelled	98.0	15	PDB header: transferase Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of a putative o-methyltransferase (npun_r0239) from2 nostoc punctiforme pcc 73102 at 2.15 a resolution
31	c1fpqA_	Alignment	not modelled	98.0	10	PDB header: transferase Chain: A: PDB Molecule: isoliquiritigenin 2'-o-methyltransferase; PDBTitle: crystal structure analysis of selenomethionine substituted chalcone o-2 methyltransferase
32	c3i53A_	Alignment	not modelled	98.0	13	PDB header: transferase Chain: A: PDB Molecule: o-methyltransferase; PDBTitle: crystal structure of an o-methyltransferase (ncsb1) from2 neocarzinostatin biosynthesis in complex with s-adenosyl-l-3 homocysteine (sah)
33	d1kyza2	Alignment	not modelled	97.9	11	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Plant O-methyltransferase, C-terminal domain
34	c4d7kB_	Alignment	not modelled	97.9	16	PDB header: transferase Chain: B: PDB Molecule: sam-dependent methyltransferases; PDBTitle: crystal structure of n,n-8-amino-8-demethyl-d-riboflavin2 dimethyltransferase (rosa) from streptomyces davawensis
35	c4e70A_	Alignment	not modelled	97.9	11	PDB header: transferase Chain: A: PDB Molecule: coniferyl alcohol 9-o-methyltransferase; PDBTitle: crystal structure analysis of coniferyl alcohol 9-o-methyltransferase2 from linum nodiflorum in complex with coniferyl alcohol
36	d1fp2a2	Alignment	not modelled	97.8	14	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Plant O-methyltransferase, C-terminal domain
37	c4htfA_	Alignment	not modelled	97.7	11	PDB header: transferase Chain: A: PDB Molecule: s-adenosylmethionine-dependent methyltransferase; PDBTitle: crystal structure of s-adenosylmethionine-dependent methyltransferase2 from escherichia coli in complex with s-adenosylmethionine.
38	c4p7cB_	Alignment	not modelled	97.7	12	PDB header: transferase Chain: B: PDB Molecule: trna (mo5u34)-methyltransferase; PDBTitle: crystal structure of putative methyltransferase from pseudomonas2 syringae pv. tomato
39	c3lccA_	Alignment	not modelled	97.7	13	PDB header: transferase Chain: A: PDB Molecule: putative methyl chloride transferase; PDBTitle: structure of a sam-dependent halide methyltransferase from arabidopsis2 thaliana
40	d1tpya_	Alignment	not modelled	97.7	10	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Mycolic acid cyclopropane synthase
41	c2fk8A_	Alignment	not modelled	97.6	9	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
42	d2fk8a1	Alignment	not modelled	97.6	9	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Mycolic acid cyclopropane synthase
43	c1zgaA_	Alignment	not modelled	97.6	11	PDB header: plant protein, transferase Chain: A: PDB Molecule: isoflavanone 4'-o-methyltransferase'; PDBTitle: crystal structure of isoflavanone 4'-o-methyltransferase complexed2 with (+)-6a-hydroxymaackia
44	c3g2qA_	Alignment	not modelled	97.6	21	PDB header: transferase Chain: A: PDB Molecule: pcza361.24; PDBTitle: crystal structure of the glycopeptide n-methyltransferase mfa2 complexed with sinefungin
45	c5thyB_	Alignment	not modelled	97.6	13	PDB header: transferase,lyase Chain: B: PDB Molecule: curj; PDBTitle: crystal structure of semet-substituted curj carbon methyltransferase
46	c4krhB_	Alignment	not modelled	97.5	12	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
47	c5z9oA_	Alignment	not modelled	97.5	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
48	d1kpga_	Alignment	not modelled	97.5	9	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Mycolic acid cyclopropane synthase
49	c6iv7B_	Alignment	not modelled	97.4	15	PDB header: transferase Chain: B: PDB Molecule: methyltransferase lepi; PDBTitle: the crystal structure of a sam-dependent enzyme from aspergillus2 flavus
50	c5lceA_	Alignment	not modelled	97.4	11	PDB header: transferase Chain: A: PDB Molecule: (s)-norcoclaurine 6-o-methyltransferase; PDBTitle: crystal structure of (s)-norcoclaurine 6-o-methyltransferase with s-2 adenosyl-l-homocysteine and norlaudanosoline
51	c3lstB_	Alignment	not modelled	97.4	11	PDB header: transferase Chain: B: PDB Molecule: calo1 methyltransferase; PDBTitle: crystal structure of calo1, methyltransferase in calicheamicin2 biosynthesis, sah bound form
52	c1fn2A_	Alignment	not modelled	97.4	14	PDB header: transferase Chain: A: PDB Molecule: isoflavone o-methyltransferase;

52	c1p2A_	Alignment	not modelled	97.4	14	PDB header: crystal structure analysis of isoflavone o-methyltransferase
53	c5do0A_	Alignment	not modelled	97.4	9	PDB header: transferase Chain: A: PDB Molecule: protein lysine methyltransferase 1; PDBTitle: the structure of pkmt1 from rickettsia prowazekii
54	c5dplB_	Alignment	not modelled	97.4	12	PDB header: transferase Chain: B: PDB Molecule: protein lysine methyltransferase 2; PDBTitle: the structure of pkmt2 from rickettsia typhi in complex with adohcy
55	d1im8a_	Alignment	not modelled	97.4	12	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Hypothetical protein HI0319 (YecO)
56	c4necC_	Alignment	not modelled	97.3	16	PDB header: transferase/antibiotic Chain: C: PDB Molecule: putative sam-dependent methyltransferase; PDBTitle: conversion of a disulfide bond into a thioacetal group during 2 echinomycin biosynthesis
57	d1xvaa_	Alignment	not modelled	97.2	16	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Glycine N-methyltransferase
58	d1l1ea_	Alignment	not modelled	97.2	10	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Mycolic acid cyclopropane synthase
59	d1r74a_	Alignment	not modelled	97.2	14	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Glycine N-methyltransferase
60	c4kifB_	Alignment	not modelled	97.2	10	PDB header: transferase Chain: B: PDB Molecule: methyltransferase mppj; PDBTitle: crystal structure of methyltransferase from streptomyces hygroscopicus2 complexed with phenylpyruvic acid
61	c3cggB_	Alignment	not modelled	97.1	10	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
62	c6ccaA_	Alignment	not modelled	97.1	12	PDB header: transferase Chain: A: PDB Molecule: disa protein; PDBTitle: crystal structure of dsza carbon methyltransferase
63	c4ineB_	Alignment	not modelled	97.1	13	PDB header: transferase Chain: B: PDB Molecule: protein pmt-2; PDBTitle: crystal structure of n-methyl transferase (pmt-2) from caenorhabditis2 elegans complexed with s-adenosyl homocysteine and 3 phosphoethanolamine
64	c3bgvC_	Alignment	not modelled	97.1	8	PDB header: transferase Chain: C: PDB Molecule: mrna cap guanine-n7 methyltransferase; PDBTitle: crystal structure of mrna cap guanine-n7 methyltransferase2 in complex with sah
65	c3qnhA_	Alignment	not modelled	97.1	12	PDB header: transferase Chain: A: PDB Molecule: arsenic methyltransferase; PDBTitle: arsm arsenic(iii) s-adenosylmethionine methyltransferase with as(iii)
66	c6pi9A_	Alignment	not modelled	97.0	18	PDB header: transferase Chain: A: PDB Molecule: 16s rRNA (guanine(1405)-n(7))-methyltransferase; PDBTitle: crystal structure of 16s rRNA methylase rmtf in complex with s-2 adenosyl-L-homocysteine
67	d1wzna1	Alignment	not modelled	97.0	17	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: CAC2371-like
68	c5ufmB_	Alignment	not modelled	96.9	18	PDB header: transferase Chain: B: PDB Molecule: methyltransferase domain protein; PDBTitle: crystal structure of burkholderia thailandensis 1,6-2 didemethyltoxoflavin-n1-methyltransferase with bound 1,6-3 didemethyltoxoflavin and s-adenosylhomocysteine
69	d1nkva_	Alignment	not modelled	96.9	11	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Hypothetical Protein Yjhp
70	c4z2yA_	Alignment	not modelled	96.8	18	PDB header: transferase Chain: A: PDB Molecule: calo6; PDBTitle: crystal structure of methyltransferase calo6
71	c6mroA_	Alignment	not modelled	96.8	12	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.
72	c3ou7A_	Alignment	not modelled	96.8	18	PDB header: transferase Chain: A: PDB Molecule: sam-dependent methyltransferase; PDBTitle: dhpi-sam-hep complex
73	d2o57a1	Alignment	not modelled	96.8	10	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Mycolic acid cyclopropane synthase
74	c3h2bB_	Alignment	not modelled	96.8	14	PDB header: transferase Chain: B: PDB Molecule: sam-dependent methyltransferase; PDBTitle: crystal structure of the sam-dependent methyltransferase cg3271 from corynebacterium glutamicum in complex with s-adenosyl-L-homocysteine3 and pyrophosphate. northeast structural genomics consortium target4 cgr113a
75	c4qnuH_	Alignment	not modelled	96.7	14	PDB header: transferase Chain: H: PDB Molecule: trna (mo5u34)-methyltransferase; PDBTitle: crystal structure of cmob bound with cx-sam in p21212
						PDB header: transferase

76	c2yr0A_	Alignment	not modelled	96.7	14	Chain: A: PDB Molecule: hypothetical protein ttha0223; PDBTitle: crystal structure of hypothetical methyltransferase ttha0223 from <i>Thermophilus thermophilus</i> hb8
77	c4x1oA_	Alignment	not modelled	96.7	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>
78	c5wp5A_	Alignment	not modelled	96.7	12	PDB header: transferase Chain: A: PDB Molecule: phosphomethylethanolamine n-methyltransferase 2; PDBTitle: Arabidopsis thaliana phosphoethanolamine n-methyltransferase 22 (atpmt2) in complex with sah
79	c5gm2E_	Alignment	not modelled	96.6	13	PDB header: transferase Chain: E: PDB Molecule: o-methyltransferase; PDBTitle: crystal structure of methyltransferase tled complexed with sah and 2 teleocidin a1
80	c3m70A_	Alignment	not modelled	96.6	15	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: tellurite resistance protein tehb homolog; PDBTitle: crystal structure of tehb from <i>Haemophilus influenzae</i>
81	c3g2qB_	Alignment	not modelled	96.6	20	PDB header: transferase Chain: B: PDB Molecule: pcza361.24; PDBTitle: crystal structure of the glycopeptide n-methyltransferase mtf2 complexed with sinefungin
82	c3vc2J_	Alignment	not modelled	96.6	11	PDB header: transferase Chain: J: PDB Molecule: geranyl diphosphate 2-c-methyltransferase; PDBTitle: crystal structure of geranyl diphosphate c-methyltransferase from <i>Streptomyces coelicolor</i> a3(2) in complex with mg ²⁺ , geranyl 3 diphosphate, and s-adenosyl-L-homocysteine
83	c5bszA_	Alignment	not modelled	96.6	11	PDB header: transferase Chain: A: PDB Molecule: n-methyltransferase; PDBTitle: x-ray structure of the sugar n-methyltransferase keds8 from <i>Streptoalloteichus</i> sp atcc 53650
84	c3lcvB_	Alignment	not modelled	96.6	20	PDB header: transferase Chain: B: PDB Molecule: sisomicin-gentamicin resistance methylase sgm; PDBTitle: crystal structure of antibiotic related methyltransferase
85	d1kpia_	Alignment	not modelled	96.5	9	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Mycolic acid cyclopropane synthase
86	c5w7sA_	Alignment	not modelled	96.5	15	PDB header: transferase Chain: A: PDB Molecule: oxac; PDBTitle: crystal structure of oxac in complex with sinefungin and meleagrins
87	c4krqB_	Alignment	not modelled	96.5	13	PDB header: transferase Chain: B: PDB Molecule: phosphoethanolamine n-methyltransferase 1; PDBTitle: <i>Semotia haemonchus contortus</i> phosphoethanolamine n-methyltransferase 12 in complex with phosphoethanolamine and s-adenosylhomocysteine
88	c3cc8A_	Alignment	not modelled	96.5	11	PDB header: transferase Chain: A: PDB Molecule: putative methyltransferase; PDBTitle: crystal structure of a putative methyltransferase (bce_1332) from <i>Bacillus cereus</i> atcc 10987 at 1.64 Å resolution
89	c5xlxD_	Alignment	not modelled	96.5	19	PDB header: transferase Chain: D: PDB Molecule: chemotaxis protein methyltransferase 1; PDBTitle: crystal structure of the c-terminal domain of cher1 containing sah
90	c4iv0B_	Alignment	not modelled	96.5	11	PDB header: transferase Chain: B: PDB Molecule: phosphoethanolamine n-methyltransferase, putative; PDBTitle: crystal structure of n-methyltransferase from <i>Plasmodium vivax</i> 2 complexed with s-adenosylmethionine and phosphate
91	c3dlcA_	Alignment	not modelled	96.4	9	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 marisaludis</i> at 1.15 Å resolution
92	c3f4kA_	Alignment	not modelled	96.4	13	PDB header: transferase Chain: A: PDB Molecule: putative methyltransferase; PDBTitle: crystal structure of a probable methyltransferase from <i>Bacteroides thetaiotaomicron</i> . northeast structural 3 genomics target btr309.
93	c3bkxB_	Alignment	not modelled	96.4	15	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 <i>Lactobacillus casei</i> atcc 334 at 1.853 Å resolution
94	c4pneA_	Alignment	not modelled	96.3	17	PDB header: biosynthetic protein Chain: A: PDB Molecule: methyltransferase-like protein; PDBTitle: crystal structure of the [4+2]-cyclase spnf
95	c3pfdD_	Alignment	not modelled	96.2	12	PDB header: transferase Chain: D: PDB Molecule: n-methyltransferase; PDBTitle: x-ray crystal structure of the n,n-dimethyltransferase tylm1 from <i>Streptomyces fradiae</i> in complex with sah and dtdp-quip3n
96	c3e7pA_	Alignment	not modelled	96.2	14	PDB header: transferase Chain: A: PDB Molecule: putative methyltransferase; PDBTitle: crystal structure of putative methyltransferase from <i>Bacteroides vulgatus</i> atcc 8482
97	c6ecvB_	Alignment	not modelled	96.2	11	PDB header: transferase Chain: B: PDB Molecule: stid protein; PDBTitle: stid o-mt residues 976-1266
98	c5ubbA_	Alignment	not modelled	96.2	11	PDB header: transferase Chain: A: PDB Molecule: alpha n-terminal protein methyltransferase 1b; PDBTitle: crystal structure of human alpha n-terminal protein methyltransferase 2 1b

99	c6ectA_	Alignment	not modelled	96.1	15	PDB header: transferase Chain: A: PDB Molecule: stie protein; PDBTitle: stie o-mt residues 961-1257
100	d2a14a1	Alignment	not modelled	96.0	13	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Arylamine N-methyltransferase
101	c3ggdA_	Alignment	not modelled	96.0	13	PDB header: transferase Chain: A: PDB Molecule: sam-dependent methyltransferase; PDBTitle: crystal structure of sam-dependent methyltransferase (yp_325210.1)2 from anabaena variabilis atcc 29413 at 2.11 a resolution
102	c2iipD_	Alignment	not modelled	96.0	14	PDB header: transferase Chain: D: PDB Molecule: nicotinamide n-methyltransferase; PDBTitle: human nicotinamide n-methyltransferase
103	d1pjza_	Alignment	not modelled	95.9	12	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Thiopurine S-methyltransferase
104	c2xvmB_	Alignment	not modelled	95.9	16	PDB header: transferase Chain: B: PDB Molecule: tellurite resistance protein tehb; PDBTitle: crystal structure of the tellurite detoxification protein2 tehb from e. coli in complex with sah
105	d2nxca1	Alignment	not modelled	95.9	22	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Ribosomal protein L11 methyltransferase PrmA
106	c4qdkB_	Alignment	not modelled	95.8	12	PDB header: transferase Chain: B: PDB Molecule: magnesium-protoporphyrin o-methyltransferase; PDBTitle: crystal structure of magnesium protoporphyrin ix methyltransferase2 (chlm) from synechocystis pcc 6803 with bound sah
107	c2p8jA_	Alignment	not modelled	95.8	15	PDB header: transferase Chain: A: PDB Molecule: s-adenosylmethionine-dependent methyltransferase; PDBTitle: crystal structure of s-adenosylmethionine-dependent methyltransferase2 (np_349143.1) from clostridium acetobutylicum at 2.00 a resolution
108	c3ofkA_	Alignment	not modelled	95.8	14	PDB header: transferase Chain: A: PDB Molecule: nodulation protein s; PDBTitle: crystal structure of n-methyltransferase nods from bradyrhizobium2 japonicum wm9 in complex with s-adenosyl-l-homocysteine (sah)
109	d1ve3a1	Alignment	not modelled	95.8	13	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: CAC2371-like
110	c3q5tA_	Alignment	not modelled	95.8	11	PDB header: transferase Chain: A: PDB Molecule: trans-aconitate 3-methyltransferase; PDBTitle: crystal structure of trans-aconitate 3-methyltransferase from yeast
111	d1d2ha_	Alignment	not modelled	95.7	14	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Glycine N-methyltransferase
112	c3b89A_	Alignment	not modelled	95.7	19	PDB header: transferase Chain: A: PDB Molecule: 16s rrna methylase; PDBTitle: crystal structure of rrna methylase from escherichia coli
113	d2ex4a1	Alignment	not modelled	95.7	13	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: AD-003 protein-like
114	d1f3la_	Alignment	not modelled	95.7	14	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Arginine methyltransferase
115	c3qjvA_	Alignment	not modelled	95.7	12	PDB header: transferase Chain: A: PDB Molecule: spermidine synthase; PDBTitle: crystal structure of a probable spermidine synthase from2 corynebacterium glutamicum atcc 13032
116	c5evjA_	Alignment	not modelled	95.6	16	PDB header: transferase Chain: A: PDB Molecule: arsenite methyltransferase; PDBTitle: x-ray crystal structure of crasm, an arsenic (iii) s-2 adenosylmethionine methyltransferase from chlamydomonas reinhardtii
117	c4rwzA_	Alignment	not modelled	95.5	11	PDB header: transferase Chain: A: PDB Molecule: putative rrna methyltransferase; PDBTitle: crystal structure of the antibiotic-resistance methyltransferase kmr
118	c4kdcA_	Alignment	not modelled	95.5	15	PDB header: transferase Chain: A: PDB Molecule: 3-demethylubiquinone-9 3-methyltransferase; PDBTitle: crystal structure of ubiq
119	c3jwgA_	Alignment	not modelled	95.5	15	PDB header: transferase Chain: A: PDB Molecule: methyltransferase type 12; PDBTitle: crystal structure analysis of the methyltransferase domain of2 bacterial-cthen1-c
120	d1oria_	Alignment	not modelled	95.5	13	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Arginine methyltransferase