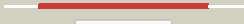



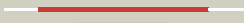



















Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD2751 (-)_3063648_3064538
Date	Wed Aug 7 12:50:41 BST 2019
Unique Job ID	6e1365ef93509daa

Detailed template
information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	d2uyoa1	 Alignment		100.0	23	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: ML2640-like
2	c3ieiD	 Alignment		100.0	18	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	14	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Leucine carboxy methyltransferase Ppm1
4	c3mntA	 Alignment		100.0	20	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	17	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	18	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		99.8	14	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	c4qvqC	 Alignment		99.0	18	PDB header: transferase Chain: C: PDB Molecule: sibl; PDBTitle: crystal structure of s-adenosylmethionine-dependent methyltransferase2 sibl in its apo form
9	c3ociA	 Alignment		98.8	14	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
10	c5i2hB	 Alignment		98.8	12	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
11	c3mczB	 Alignment		98.8	17	PDB header: transferase Chain: B: PDB Molecule: o-methyltransferase; PDBTitle: the structure of an o-methyltransferase family protein from2 burkholderia thailandensis.

12	c5cvvB_	Alignment		98.8	14	PDB header: transferase Chain: B: PDB Molecule: (iso)eugenol o-methyltransferase; PDBTitle: coniferyl alcohol bound monolignol 4-o-methyltransferase 9
13	c3gwzB_	Alignment		98.7	13	PDB header: transferase Chain: B: PDB Molecule: mmcr; PDBTitle: structure of the mitomycin 7-o-methyltransferase mmcr
14	c6c5bB_	Alignment		98.7	13	PDB header: transferase Chain: B: PDB Molecule: methyltransferase; PDBTitle: crystal structure analysis of laphzm
15	c6clwA_	Alignment		98.7	13	PDB header: biosynthetic protein Chain: A: PDB Molecule: o-methyltransferase; PDBTitle: crystal structure of tmnh
16	c3dp7B_	Alignment		98.6	12	PDB header: transferase Chain: B: PDB Molecule: sam-dependent methyltransferase; PDBTitle: crystal structure of sam-dependent methyltransferase from bacteroides2 vulgatus atcc 8482
17	c2ip2B_	Alignment		98.6	14	PDB header: transferase Chain: B: PDB Molecule: probable phenazine-specific methyltransferase; PDBTitle: structure of the pyocyanin biosynthetic protein phzm
18	c3p9kD	Alignment		98.6	11	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
19	c2r3sA_	Alignment		98.6	9	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
20	c6i5zA_	Alignment		98.6	11	PDB header: transferase Chain: A: PDB Molecule: o-methyltransferase 1; PDBTitle: papaver somniferum o-methyltransferase
21	c1kyzC_	Alignment	not modelled	98.6	11	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
22	c1x1aA_	Alignment	not modelled	98.6	12	PDB header: transferase Chain: A: PDB Molecule: crtf-related protein; PDBTitle: crystal structure of bchu complexed with s-adenosyl-l-methionine
23	c1fpqA_	Alignment	not modelled	98.5	10	PDB header: transferase Chain: A: PDB Molecule: isoliquiritigenin 2'-o-methyltransferase; PDBTitle: crystal structure analysis of selenomethionine substituted chalcone o-2 methyltransferase
24	d1tw3a2	Alignment	not modelled	98.5	16	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Plant O-methyltransferase, C-terminal domain
25	c4d7kB_	Alignment	not modelled	98.5	18	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
26	c4a6dA_	Alignment	not modelled	98.5	18	PDB header: transferase Chain: A: PDB Molecule: hydroxyindole o-methyltransferase; PDBTitle: crystal structure of human n-acetylserotonin2 methyltransferase (asmt) in complex with sam
27	c1tw3A_	Alignment	not modelled	98.5	16	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)
28	c1xduA_	Alignment	not modelled	98.5	18	PDB header: transferase Chain: A: PDB Molecule: protein rdmb; PDBTitle: crystal structure of aclacinomycin-10-hydroxylase (rdmb)

						in complex2 with sinefungin (sfg)
29	d1im8a_	Alignment	not modelled	98.4	15	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Hypothetical protein HI0319 (YecO)
30	c1zgaA_	Alignment	not modelled	98.4	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-hydroxymaackain
31	d1fp1d2	Alignment	not modelled	98.4	10	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Plant O-methyltransferase, C-terminal domain
32	d1qzza2	Alignment	not modelled	98.4	17	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Plant O-methyltransferase, C-terminal domain
33	c3lstB_	Alignment	not modelled	98.4	14	PDB header: transferase Chain: B: PDB Molecule: calo1 methyltransferase; PDBTitle: crystal structure of calo1, methyltransferase in calicheamicin2 biosynthesis, sah bound form
34	c5xohA_	Alignment	not modelled	98.4	13	PDB header: transferase Chain: A: PDB Molecule: bergaptol o-methyltransferase; PDBTitle: crystal structure of bergaptol o-methyltransferase complex
35	d1fp2a2	Alignment	not modelled	98.3	16	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Plant O-methyltransferase, C-terminal domain
36	c2fk8A_	Alignment	not modelled	98.3	12	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
37	c5thyB_	Alignment	not modelled	98.2	15	PDB header: transferase,lyase Chain: B: PDB Molecule: curj; PDBTitle: crystal structure of semet-substituted curj carbon methyltransferase
38	c4e70A_	Alignment	not modelled	98.2	12	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
39	d1kyza2	Alignment	not modelled	98.2	10	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Plant O-methyltransferase, C-terminal domain
40	c6iv7B_	Alignment	not modelled	98.2	14	PDB header: transferase Chain: B: PDB Molecule: methyltransferase lepi; PDBTitle: the crystal structure of a sam-dependent enzyme from aspergillus2 flavus
41	d1l1ea_	Alignment	not modelled	98.2	14	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Mycolic acid cyclopropane synthase
42	c5iceA_	Alignment	not modelled	98.2	12	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
43	c3lccA_	Alignment	not modelled	98.2	12	PDB header: transferase Chain: A: PDB Molecule: putative methyl chloride transferase; PDBTitle: structure of a sam-dependent halide methyltransferase from arabidopsis2 thaliana
44	c1fp2A_	Alignment	not modelled	98.1	14	PDB header: transferase Chain: A: PDB Molecule: isoflavone o-methyltransferase; PDBTitle: crystal structure analysis of isoflavone o-methyltransferase
45	d1tpya_	Alignment	not modelled	98.1	13	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Mycolic acid cyclopropane synthase
46	c4uy5A_	Alignment	not modelled	98.1	23	PDB header: transferase Chain: A: PDB Molecule: histidine-specific methyltransferase egtD; PDBTitle: crystal structure of histidine-specific methyltransferase egtD from2 mycobacterium smegmatis
47	c4kifB_	Alignment	not modelled	98.1	20	PDB header: transferase Chain: B: PDB Molecule: methyltransferase mppj; PDBTitle: crystal structure of methyltransferase from streptomyces hygrosopicus2 complexed with phenylpyruvic acid
48	c4z2yA_	Alignment	not modelled	98.1	19	PDB header: transferase Chain: A: PDB Molecule: calo6; PDBTitle: crystal structure of methyltransferase calo6
49	c4krhB_	Alignment	not modelled	98.1	16	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
50	c3i53A_	Alignment	not modelled	98.1	11	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)
51	d2fk8a1	Alignment	not modelled	98.1	14	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Mycolic acid cyclopropane synthase
52	d1kpga_	Alignment	not modelled	98.0	10	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Mycolic acid cyclopropane synthase
						PDB header: transferase Chain: A: PDB Molecule: cyclopropane-fatty-acyl-phospholipid

53	c5z9oA_	Alignment	not modelled	98.0	11	synthase; PDBTitle: the crystal structure of cyclopropane-fatty-acyl-phospholipid synthase2 from lactobacillus acidophilus
54	c5ufmB_	Alignment	not modelled	98.0	21	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
55	d2o57a1	Alignment	not modelled	97.9	13	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Mycolic acid cyclopropane synthase
56	c6mroA_	Alignment	not modelled	97.9	10	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 (nsg) target mvr53.
57	c4qdkB_	Alignment	not modelled	97.9	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
58	c5dplB_	Alignment	not modelled	97.9	24	PDB header: transferase Chain: B: PDB Molecule: protein lysine methyltransferase 2; PDBTitle: the structure of pkmt2 from rickettsia typhi in complex with adohcy
59	c3vc2J_	Alignment	not modelled	97.9	16	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
60	d2ex4a1	Alignment	not modelled	97.9	13	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: AD-003 protein-like
61	c4p7cB_	Alignment	not modelled	97.9	13	PDB header: transferase Chain: B: PDB Molecule: trna (mo5u34)-methyltransferase; PDBTitle: crystal structure of putative methyltransferase from pseudomonas2 syringae pv. tomato
62	c6ccaA_	Alignment	not modelled	97.8	15	PDB header: transferase Chain: A: PDB Molecule: disa protein; PDBTitle: crystal structure of dsza carbon methyltransferase
63	c4htfA_	Alignment	not modelled	97.8	16	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.
64	c5do0A_	Alignment	not modelled	97.8	15	PDB header: transferase Chain: A: PDB Molecule: protein lysine methyltransferase 1; PDBTitle: the structure of pkmt1 from rickettsia prowazekii
65	c3h2bB_	Alignment	not modelled	97.8	12	PDB header: transferase Chain: B: PDB Molecule: sam-dependent methyltransferase; PDBTitle: crystal structure of the sam-dependent methyltransferase cg3271 from2 corynebacterium glutamicum in complex with s-adenosyl-l-homocysteine3 and pyrophosphate. northeast structural genomics consortium target4 cgr113a
66	c3qnhA_	Alignment	not modelled	97.8	18	PDB header: transferase Chain: A: PDB Molecule: arsenic methyltransferase; PDBTitle: arsm arsenic(iii) s-adenosylmethionine methyltransferase with as(iii)
67	c4ineB_	Alignment	not modelled	97.8	13	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
68	c3m70A_	Alignment	not modelled	97.8	17	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: tellurite resistance protein tehb homolog; PDBTitle: crystal structure of tehb from haemophilus influenzae
69	c5wp5A_	Alignment	not modelled	97.7	13	PDB header: transferase Chain: A: PDB Molecule: phosphomethylethanolamine n-methyltransferase 2; PDBTitle: arabidopsis thaliana phosphoethanolamine n-methyltransferase 22 (atpmt2) in complex with sah
70	c4gekG_	Alignment	not modelled	97.7	15	PDB header: transferase Chain: G: PDB Molecule: trna (cmo5u34)-methyltransferase; PDBTitle: crystal structure of wild-type cmoa from e.coli
71	c4necC_	Alignment	not modelled	97.7	19	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
72	d2a14a1	Alignment	not modelled	97.7	15	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Arylamine N-methyltransferase
73	c3g2qB_	Alignment	not modelled	97.7	17	PDB header: transferase Chain: B: PDB Molecule: pcza361.24; PDBTitle: crystal structure of the glycopeptide n-methyltransferase mtfa2 complexed with sinesfungin
74	c5mptA_	Alignment	not modelled	97.7	15	PDB header: transferase Chain: A: PDB Molecule: citritin polyketide synthase; PDBTitle: structure of the citritin polyketide synthase cmet domain
75	c3f4kA_	Alignment	not modelled	97.7	12	PDB header: transferase Chain: A: PDB Molecule: putative methyltransferase; PDBTitle: crystal structure of a probable methyltransferase from2 bacteroides thetaiotaomicron. northeast structural3 genomics target

						btr309.
76	c3g2qA_	Alignment	not modelled	97.6	18	PDB header: transferase Chain: A: PDB Molecule: pcza361.24; PDBTitle: crystal structure of the glycopeptide n-methyltransferase mfa2 complexed with sinefungin
77	c4iv0B_	Alignment	not modelled	97.6	14	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
78	c3ggdA_	Alignment	not modelled	97.6	9	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
79	c2vdwA_	Alignment	not modelled	97.6	13	PDB header: transferase Chain: A: PDB Molecule: vaccinia virus capping enzyme d1 subunit; PDBTitle: guanosine n7 methyl-transferase sub-complex (d1-d12) of the2 vaccinia virus mrna capping enzyme
80	c5w7sA_	Alignment	not modelled	97.5	17	PDB header: transferase Chain: A: PDB Molecule: oxac; PDBTitle: crystal structure of oxac in complex with sinefungin and meleagrln
81	c6ecvB_	Alignment	not modelled	97.5	16	PDB header: transferase Chain: B: PDB Molecule: stid protein; PDBTitle: stid o-mt residues 976-1266
82	c5t39A_	Alignment	not modelled	97.5	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
83	c3e23A_	Alignment	not modelled	97.5	18	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 rhodospseudomonas palustris, northeast structural genomics consortium3 target rpr299
84	c3cc8A_	Alignment	not modelled	97.5	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
85	c2iipD_	Alignment	not modelled	97.5	14	PDB header: transferase Chain: D: PDB Molecule: nicotinamide n-methyltransferase; PDBTitle: human nicotinamide n-methyltransferase
86	c6d6yA_	Alignment	not modelled	97.5	15	PDB header: transferase Chain: A: PDB Molecule: apra methyltransferase 2; PDBTitle: apra methyltransferase 2 - gnat didomain in complex with sah
87	c6ec3C_	Alignment	not modelled	97.5	19	PDB header: transferase, oxidoreductase Chain: C: PDB Molecule: methyltransferase domain-containing protein; PDBTitle: crystal structure of evdmo1
88	c4kdcA_	Alignment	not modelled	97.5	15	PDB header: transferase Chain: A: PDB Molecule: 3-demethylubiquinone-9 3-methyltransferase; PDBTitle: crystal structure of ubig
89	d1kpia_	Alignment	not modelled	97.5	11	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Mycolic acid cyclopropane synthase
90	d1y8ca_	Alignment	not modelled	97.5	13	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: CAC2371-like
91	c4qnuH_	Alignment	not modelled	97.5	14	PDB header: transferase Chain: H: PDB Molecule: trna (mo5u34)-methyltransferase; PDBTitle: crystal structure of cmob bound with cx-sam in p21212
92	c5ubbA_	Alignment	not modelled	97.4	12	PDB header: transferase Chain: A: PDB Molecule: alpha n-terminal protein methyltransferase 1b; PDBTitle: crystal structure of human alpha n-terminal protein methyltransferase2 1b
93	c3ujcA_	Alignment	not modelled	97.4	12	PDB header: transferase Chain: A: PDB Molecule: phosphoethanolamine n-methyltransferase; PDBTitle: phosphoethanolamine methyltransferase mutant (h132a) from plasmodium2 falciparum in complex with phosphocholine
94	c4x1oA_	Alignment	not modelled	97.4	18	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 catenulisporales acidiphilia
95	d1r74a_	Alignment	not modelled	97.4	15	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Glycine N-methyltransferase
96	c3ofkA_	Alignment	not modelled	97.4	23	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)
97	c3l8dA_	Alignment	not modelled	97.4	12	PDB header: transferase Chain: A: PDB Molecule: methyltransferase; PDBTitle: crystal structure of methyltransferase from bacillus thuringiensis
98	c3dtnA_	Alignment	not modelled	97.3	14	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: putative methyltransferase mm_2633; PDBTitle: crystal structure of putative methyltransferase-mm_2633 from2 methanosarcina mazei .
99	c3e7pA_	Alignment	not modelled	97.3	14	PDB header: transferase Chain: A: PDB Molecule: putative methyltransferase; PDBTitle: crystal structure of of putative methyltransferase from

						bacteroides2 vulgatus atcc 8482
100	c4pneA_	Alignment	not modelled	97.3	15	PDB header: biosynthetic protein Chain: A: PDB Molecule: methyltransferase-like protein; PDBTitle: crystal structure of the [4+2]-cyclase spnf
101	c3sm3A_	Alignment	not modelled	97.3	11	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.
102	c6ectA_	Alignment	not modelled	97.3	16	PDB header: transferase Chain: A: PDB Molecule: stie protein; PDBTitle: stie o-mt residues 961-1257
103	c2xvmB_	Alignment	not modelled	97.3	13	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
104	c3ou7A_	Alignment	not modelled	97.3	16	PDB header: transferase Chain: A: PDB Molecule: sam-dependent methyltransferase; PDBTitle: dhpi-sam-hep complex
105	c3cggB_	Alignment	not modelled	97.2	17	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
106	d1nkva_	Alignment	not modelled	97.2	14	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Hypothetical Protein Yjhp
107	c5gm2E_	Alignment	not modelled	97.2	11	PDB header: transferase Chain: E: PDB Molecule: o-methyltransferase; PDBTitle: crystal structure of methyltransferase tled complexed with sah and2 teleocidin a1
108	c3bgvC_	Alignment	not modelled	97.2	13	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
109	c5eviA_	Alignment	not modelled	97.2	19	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
110	c6dcbA_	Alignment	not modelled	97.2	17	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
111	c5je0B_	Alignment	not modelled	97.1	17	PDB header: transferase Chain: B: PDB Molecule: methyl transferase; PDBTitle: crystal structure of burkholderia glumae toxa with bound s-2 adenosylhomocysteine (sah) and 1,6-didemethyltoxoflavin
112	c5bszA_	Alignment	not modelled	97.1	16	PDB header: transferase Chain: A: PDB Molecule: n-methyltransferase; PDBTitle: x-ray structure of the sugar n-methyltransferase keds8 from2 streptoalloteichus sp atcc 53650
113	d1wzna1	Alignment	not modelled	97.1	13	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: CAC2371-like
114	c3merA_	Alignment	not modelled	97.0	12	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: slr1183 protein; PDBTitle: crystal structure of the methyltransferase slr1183 from synechocystis2 sp. pcc 6803, northeast structural genomics consortium target sgr145
115	d1ve3a1	Alignment	not modelled	97.0	9	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: CAC2371-like
116	d1xvaa_	Alignment	not modelled	97.0	16	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Glycine N-methyltransferase
117	c5hijA_	Alignment	not modelled	97.0	15	PDB header: transferase Chain: A: PDB Molecule: glycine sarcosine n-methyltransferase; PDBTitle: crystal structure of glycine sarcosine n-methyltransferase from2 methanohalophilus portucalensis in complex with betaine
118	c3dlcA_	Alignment	not modelled	97.0	10	PDB header: transferase Chain: A: PDB Molecule: putative s-adenosyl-l-methionine-dependent PDBTitle: crystal structure of a putative s-adenosyl-l-methionine-dependent2 methyltransferase (mmp1179) from methanococcus maripaludis at 1.15 a3 resolution
119	c3pfdD_	Alignment	not modelled	96.9	14	PDB header: transferase Chain: D: PDB Molecule: n-methyltransferase; PDBTitle: x-ray crystal structure the n,n-dimethyltransferase tylm1 from2 streptomyces fradiae in complex with sah and dtdp-quip3n
120	c4hgyC_	Alignment	not modelled	96.9	19	PDB header: transferase Chain: C: PDB Molecule: ccbaj; PDBTitle: structure of the ccbj methyltransferase from streptomyces caelestis