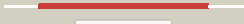



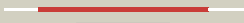





















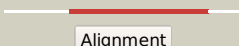

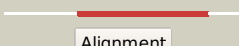
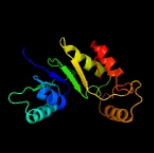
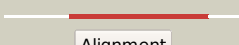

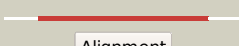
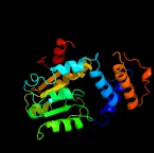






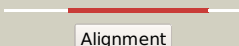

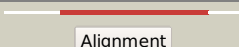
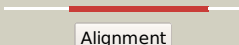
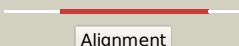


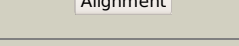


Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD0830 (-) _921973_922878
Date	Fri Jul 26 01:50:41 BST 2019
Unique Job ID	6a2146ed46e17b39

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	d2uyoa1	 Alignment		100.0	42	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: ML2640-like
2	c3ieiD	 Alignment		100.0	24	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	27	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	16	PDB header: transferase Chain: A: PDB Molecule: leucine carboxyl methyltransferase 2; PDBTitle: crystal structure of trna wybutosine synthesizing enzyme2 tyw4
6	c2qe6B	 Alignment		99.7	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		99.4	16	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	c3gwbB	 Alignment		98.4	16	PDB header: transferase Chain: B: PDB Molecule: mmcr; PDBTitle: structure of the mitomycin 7-o-methyltransferase mmcr
9	c4qvqC	 Alignment		98.3	17	PDB header: transferase Chain: C: PDB Molecule: sibl; PDBTitle: crystal structure of s-adenosylmethionine-dependent methyltransferase2 sibl in its apo form
10	c3mcbB	 Alignment		98.2	12	PDB header: transferase Chain: B: PDB Molecule: o-methyltransferase; PDBTitle: the structure of an o-methyltransferase family protein from2 burkholderia thailandensis.
11	c6clwA	 Alignment		98.1	12	PDB header: biosynthetic protein Chain: A: PDB Molecule: o-methyltransferase; PDBTitle: crystal structure of tnmh

12	c2ip2B_	 Alignment		98.1	15	PDB header: transferase Chain: B: PDB Molecule: probable phenazine-specific methyltransferase; PDBTitle: structure of the pyocyanin biosynthetic protein phzm
13	c3dp7B_	 Alignment		98.1	10	PDB header: transferase Chain: B: PDB Molecule: sam-dependent methyltransferase; PDBTitle: crystal structure of sam-dependent methyltransferase from bacteroides2 vulgatus atcc 8482
14	d1tw3a2	 Alignment		98.0	15	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Plant O-methyltransferase, C-terminal domain
15	c5i2hB_	 Alignment		98.0	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
16	c1tw3A_	 Alignment		97.9	13	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)
17	c4uy5A_	 Alignment		97.9	18	PDB header: transferase Chain: A: PDB Molecule: histidine-specific methyltransferase egtd; PDBTitle: crystal structure of histidine-specific methyltransferase egtd from2 mycobacterium smegmatis
18	c1xduA_	 Alignment		97.8	14	PDB header: transferase Chain: A: PDB Molecule: protein rdmb; PDBTitle: crystal structure of aclacinomycin-10-hydroxylase (rdmb) in complex2 with sinefungin (sfg)
19	c3ocjA_	 Alignment		97.8	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
20	c6i5za_	 Alignment		97.7	16	PDB header: transferase Chain: A: PDB Molecule: o-methyltransferase 1; PDBTitle: papaver somniferum o-methyltransferase
21	c1x1aA_	 Alignment	not modelled	97.7	12	PDB header: transferase Chain: A: PDB Molecule: crtf-related protein; PDBTitle: crystal structure of bchu complexed with s-adenosyl-l-methionine
22	d1qzza2	 Alignment	not modelled	97.7	15	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Plant O-methyltransferase, C-terminal domain
23	c6c5bB_	 Alignment	not modelled	97.7	13	PDB header: transferase Chain: B: PDB Molecule: methyltransferase; PDBTitle: crystal structure analysis of laphzm
24	c2r3sa_	 Alignment	not modelled	97.7	13	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
25	c4a6dA_	 Alignment	not modelled	97.6	16	PDB header: transferase Chain: A: PDB Molecule: hydroxyindole o-methyltransferase; PDBTitle: crystal structure of human n-acetylserotonin2 methyltransferase (asmt) in complex with sam
26	c4d7kB_	 Alignment	not modelled	97.5	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
27	c3p9kD_	 Alignment	not modelled	97.5	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
28	c3lstB_	 Alignment	not modelled	97.5	12	PDB header: transferase Chain: B: PDB Molecule: calo1 methyltransferase; PDBTitle: crystal structure of calo1, methyltransferase in calicheamicin2 biosynthesis, sah bound form

29	d1kyza2	Alignment	not modelled	97.5	12	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Plant O-methyltransferase, C-terminal domain
30	c5xohA	Alignment	not modelled	97.5	12	PDB header: transferase Chain: A: PDB Molecule: bergaptol o-methyltransferase; PDBTitle: crystal structure of bergaptol o-methyltransferase complex
31	c5do0A	Alignment	not modelled	97.4	11	PDB header: transferase Chain: A: PDB Molecule: protein lysine methyltransferase 1; PDBTitle: the structure of pkmt1 from rickettsia prowazekii
32	c1fpgA	Alignment	not modelled	97.4	14	PDB header: transferase Chain: A: PDB Molecule: isoliquiritigenin 2'-o-methyltransferase; PDBTitle: crystal structure analysis of selenomethionine substituted chalcone o-2 methyltransferase
33	c5cvvB	Alignment	not modelled	97.4	14	PDB header: transferase Chain: B: PDB Molecule: (iso)eugenol o-methyltransferase; PDBTitle: coniferyl alcohol bound monolignol 4-o-methyltransferase 9
34	c5dplB	Alignment	not modelled	97.4	17	PDB header: transferase Chain: B: PDB Molecule: protein lysine methyltransferase 2; PDBTitle: the structure of pkmt2 from rickettsia typhi in complex with adohcy
35	c3i53A	Alignment	not modelled	97.3	12	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)
36	c3qnhA	Alignment	not modelled	97.3	16	PDB header: transferase Chain: A: PDB Molecule: arsenic methyltransferase; PDBTitle: arsm arsenic(iii) s-adenosylmethionine methyltransferase with as(iii)
37	d1fp1d2	Alignment	not modelled	97.3	13	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Plant O-methyltransferase, C-terminal domain
38	c1kyzC	Alignment	not modelled	97.2	14	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
39	c5thyB	Alignment	not modelled	97.2	13	PDB header: transferase,lyase Chain: B: PDB Molecule: curj; PDBTitle: crystal structure of semet-substituted curj carbon methyltransferase
40	c6iv7B	Alignment	not modelled	97.2	21	PDB header: transferase Chain: B: PDB Molecule: methyltransferase lepi; PDBTitle: the crystal structure of a sam-dependent enzyme from aspergillus2 flavus
41	c3g2qA	Alignment	not modelled	97.1	17	PDB header: transferase Chain: A: PDB Molecule: pcza361.24; PDBTitle: crystal structure of the glycopeptide n-methyltransferase mfa2 complexed with sinefungin
42	d1r74a	Alignment	not modelled	97.1	18	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Glycine N-methyltransferase
43	c2fk8A	Alignment	not modelled	97.1	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
44	c4p7cB	Alignment	not modelled	97.1	10	PDB header: transferase Chain: B: PDB Molecule: trna (mo5u34)-methyltransferase; PDBTitle: crystal structure of putative methyltransferase from pseudomonas2 syringae pv. tomato
45	d1tpya	Alignment	not modelled	97.0	11	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Mycolic acid cyclopropane synthase
46	d1xvaa	Alignment	not modelled	97.0	17	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Glycine N-methyltransferase
47	d1im8a	Alignment	not modelled	96.9	14	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Hypothetical protein HI0319 (YecO)
48	c3lccA	Alignment	not modelled	96.9	15	PDB header: transferase Chain: A: PDB Molecule: putative methyl chloride transferase; PDBTitle: structure of a sam-dependent halide methyltransferase from arabidopsis2 thaliana
49	c4krhB	Alignment	not modelled	96.9	14	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	c4e70A	Alignment	not modelled	96.7	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
51	c5wp5A	Alignment	not modelled	96.7	15	PDB header: transferase Chain: A: PDB Molecule: phosphomethylethanolamine n-methyltransferase 2; PDBTitle: arabidopsis thaliana phosphoethanolamine n-methyltransferase 22 (atpmt2) in complex with sah
52	c3bgvC	Alignment	not modelled	96.7	9	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
53	d2fk8a1	Alignment	not modelled	96.6	8	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases

						Family: Mycolic acid cyclopropane synthase Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Plant O-methyltransferase, C-terminal domain
54	d1fp2a2	Alignment	not modelled	96.6	12	PDB header: transferase Chain: A: PDB Molecule: disa protein; PDBTitle: crystal structure of dsza carbon methyltransferase
55	c6ccaA	Alignment	not modelled	96.6	10	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Mycolic acid cyclopropane synthase 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
56	d1kpga	Alignment	not modelled	96.6	11	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Mycolic acid cyclopropane synthase 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
57	c1zgaA	Alignment	not modelled	96.6	12	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Mycolic acid cyclopropane synthase 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
58	d1l1ea	Alignment	not modelled	96.5	11	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Mycolic acid cyclopropane synthase 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
59	d1f3la	Alignment	not modelled	96.5	15	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Arginine methyltransferase 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
60	c5je0B	Alignment	not modelled	96.3	17	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
61	c3h2bB	Alignment	not modelled	96.3	15	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Arginine methyltransferase 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
62	d1oria	Alignment	not modelled	96.3	11	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Arginine methyltransferase 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
63	c5z9oA	Alignment	not modelled	96.2	12	PDB header: transferase Chain: B: PDB Molecule: phosphoethanolamine n-methyltransferase 1; PDBTitle: semet haemonchus contortus phosphoethanolamine n-methyltransferase 12 in complex with phosphoethanolamine and s-adenosylhomocysteine
64	c4krqB	Alignment	not modelled	96.2	16	PDB header: transferase Chain: A: PDB Molecule: histone-arginine methyltransferase carm1; PDBTitle: crystal structure of mouse carm1 in complex with ligand sa684
65	c5lkjA	Alignment	not modelled	96.2	11	PDB header: transferase Chain: B: PDB Molecule: sisomicin-gentamicin resistance methylase sgm; PDBTitle: crystal structure of antibiotic related methyltransferase
66	c3lcvB	Alignment	not modelled	96.1	18	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
67	c3cggB	Alignment	not modelled	96.1	15	PDB header: transferase Chain: A: PDB Molecule: protein arginine n-methyltransferase 1; PDBTitle: structure of the predominant protein arginine methyltransferase prmt1
68	c1orhA	Alignment	not modelled	96.0	10	PDB header: transferase Chain: A: PDB Molecule: calo6; PDBTitle: crystal structure of methyltransferase calo6
69	c4z2yA	Alignment	not modelled	96.0	15	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: CAC2371-like 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
70	d1wzna1	Alignment	not modelled	96.0	16	PDB header: transferase Chain: B: PDB Molecule: pcza361.24; PDBTitle: crystal structure of the glycopeptide n-methyltransferase mfa2 complexed with sifungin
71	c4ineB	Alignment	not modelled	96.0	14	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
72	c3g2qB	Alignment	not modelled	95.9	18	PDB header: transferase Chain: C: PDB Molecule: putative sam-dependent methyltransferase; PDBTitle: conversion of a disulfide bond into a thioacetal group during2 echinomycin biosynthesis
73	c5ufmB	Alignment	not modelled	95.9	13	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: protein arginine n-methyltransferase 2; PDBTitle: crystal structure of mus musculus protein arginine methyltransferase 22 with cp1
74	c4necC	Alignment	not modelled	95.8	18	PDB header: transferase
75	d2o57a1	Alignment	not modelled	95.8	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: protein arginine n-methyltransferase 2; PDBTitle: crystal structure of mus musculus protein arginine methyltransferase 22 with cp1
76	c5fwaA	Alignment	not modelled	95.8	13	PDB header: transferase

77	c3b89A_	Alignment	not modelled	95.8	12	Chain: A: PDB Molecule: 16s rna methylase; PDBTitle: crystal structure of rna methylase from escherichia coli
78	c5evjA_	Alignment	not modelled	95.7	15	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
79	d1g6q1_	Alignment	not modelled	95.7	16	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Arginine methyltransferase
80	c3ou7A_	Alignment	not modelled	95.7	17	PDB header: transferase Chain: A: PDB Molecule: sam-dependent methyltransferase; PDBTitle: dhpi-sam-hep complex
81	c2p8jA_	Alignment	not modelled	95.7	13	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
82	c5fubA_	Alignment	not modelled	95.6	16	PDB header: transferase Chain: A: PDB Molecule: protein arginine methyltransferase 2; PDBTitle: crystal structure of zebrafish protein arginine methyltransferase 22 catalytic domain with sah
83	c4x1oA_	Alignment	not modelled	95.6	18	PDB header: transferase Chain: A: PDB Molecule: 16s rna (adenine(1408)-n(1))-methyltransferase; PDBTitle: crystal structure of the 16s rna (adenine(1408)-n(1))-2 methyltransferase from catenulisporales acidiphilia
84	d2fyta1	Alignment	not modelled	95.6	15	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Arginine methyltransferase
85	c4kifB_	Alignment	not modelled	95.6	15	PDB header: transferase Chain: B: PDB Molecule: methyltransferase mppj; PDBTitle: crystal structure of methyltransferase from streptomyces hygrosopicus2 complexed with phenylpyruvic acid
86	c6mroA_	Alignment	not modelled	95.6	16	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.
87	c5ubbA_	Alignment	not modelled	95.6	15	PDB header: transferase Chain: A: PDB Molecule: alpha n-terminal protein methyltransferase 1b; PDBTitle: crystal structure of human alpha n-terminal protein methyltransferase2 1b
88	c3m70A_	Alignment	not modelled	95.5	17	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: tellurite resistance protein tehb homolog; PDBTitle: crystal structure of tehb from haemophilus influenzae
89	c2v7eB_	Alignment	not modelled	95.5	11	PDB header: transferase Chain: B: PDB Molecule: histone-arginine methyltransferase carm1; PDBTitle: crystal structure of coactivator-associated arginine2 methyltransferase 1 (carm1), unliganded
90	c4rwzA_	Alignment	not modelled	95.4	13	PDB header: transferase Chain: A: PDB Molecule: putative rna methyltransferase; PDBTitle: crystal structure of the antibiotic-resistance methyltransferase kmr
91	c4htfA_	Alignment	not modelled	95.4	13	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.
92	c6dnzA_	Alignment	not modelled	95.3	14	PDB header: gene regulation Chain: A: PDB Molecule: arginine n-methyltransferase, putative; PDBTitle: trypanosoma brucei prmt1 enzyme-prozyme heterotetrameric complex with2 adochy
93	c1fp2A_	Alignment	not modelled	95.3	12	PDB header: transferase Chain: A: PDB Molecule: isoflavone o-methyltransferase; PDBTitle: crystal structure analysis of isoflavone o-methyltransferase
94	d2a14a1	Alignment	not modelled	95.3	17	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Arylamine N-methyltransferase
95	c5t39A_	Alignment	not modelled	95.2	16	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
96	c6pi9A_	Alignment	not modelled	95.1	13	PDB header: transferase Chain: A: PDB Molecule: 16s rna (guanine(1405)-n(7))-methyltransferase; PDBTitle: crystal structure of 16s rna methylase rmtf in complex with s-2 adenosyl-l-homocysteine
97	c4y30B_	Alignment	not modelled	95.1	17	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
98	c3merA_	Alignment	not modelled	95.0	15	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
99	c5xlxD_	Alignment	not modelled	95.0	18	PDB header: transferase Chain: D: PDB Molecule: chemotaxis protein methyltransferase 1; PDBTitle: crystal structure of the c-terminal domain of cher1 containing sah
						PDB header: transferase Chain: B: PDB Molecule: phosphoethanolamine n-

100	c4iv0B_	Alignment	not modelled	95.0	14	methyltransferase, putative; PDBTitle: crystal structure of n-methyl transferase from plasmodium vivax2 complexed with s-adenosyl methionine and phosphate
101	d2ex4a1	Alignment	not modelled	94.9	13	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: AD-003 protein-like
102	c3vc2J_	Alignment	not modelled	94.8	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
103	c3cc8A_	Alignment	not modelled	94.8	11	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
104	c3mq2A_	Alignment	not modelled	94.8	13	PDB header: transferase Chain: A; PDB Molecule: 16s rrna methyltransferase; PDBTitle: crystal structure of 16s rrna methyltransferase kamb
105	c3b3jA_	Alignment	not modelled	94.8	11	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)
106	d1nkva_	Alignment	not modelled	94.6	9	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Hypothetical Protein YjhP
107	c3r0qA_	Alignment	not modelled	94.5	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 of2 arabidopsis thaliana protein arginine methyltransferase 10
108	c3ggdA_	Alignment	not modelled	94.5	15	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
109	d1d2ha_	Alignment	not modelled	94.5	17	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Glycine N-methyltransferase
110	c3ofkA_	Alignment	not modelled	94.5	19	PDB header: transferase Chain: A; PDB Molecule: nodulation protein s; PDBTitle: crystal structure of n-methyltransferase nod8 from bradyrhizobium2 japonicum wm9 in complex with s-adenosyl-l-homocysteine (sah)
111	d1ve3a1	Alignment	not modelled	94.5	13	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: CAC2371-like
112	d1pjza_	Alignment	not modelled	94.5	13	Fold: S-adenosyl-L-methionine-dependent methyltransferases Superfamily: S-adenosyl-L-methionine-dependent methyltransferases Family: Thiopurine S-methyltransferase
113	c5bp9A_	Alignment	not modelled	94.4	15	PDB header: transferase Chain: A; PDB Molecule: putative methyltransferase protein; PDBTitle: crystal structure of sam-dependent methyltransferase from bacteroides2 fragilis in complex with s-adenosyl-l-homocysteine
114	c5gm2E_	Alignment	not modelled	94.4	15	PDB header: transferase Chain: E; PDB Molecule: o-methyltransferase; PDBTitle: crystal structure of methyltransferase tled complexed with sah and2 teleocidin a1
115	c3g5tA_	Alignment	not modelled	94.4	11	PDB header: transferase Chain: A; PDB Molecule: trans-aconitate 3-methyltransferase; PDBTitle: crystal structure of trans-aconitate 3-methyltransferase from yeast
116	c4gekG_	Alignment	not modelled	94.3	16	PDB header: transferase Chain: G; PDB Molecule: trna (cmo5u34)-methyltransferase; PDBTitle: crystal structure of wild-type cmoa from e.coli
117	c3tfwB_	Alignment	not modelled	94.3	9	PDB header: transferase Chain: B; PDB Molecule: putative o-methyltransferase; PDBTitle: crystal structure of a putative o-methyltransferase from klebsiella2 pneumoniae
118	c3fpjA_	Alignment	not modelled	94.3	21	PDB header: biosynthetic protein, transferase Chain: A; PDB Molecule: putative uncharacterized protein; PDBTitle: crystal structure of e81q mutant of mtas in complex with s-2 adenosylmethionine
119	c4xcxA_	Alignment	not modelled	94.3	11	PDB header: transferase Chain: A; PDB Molecule: small rna 2'-o-methyltransferase; PDBTitle: methyltransferase domain of small rna 2'-o-methyltransferase
120	c5w7sA_	Alignment	not modelled	94.2	15	PDB header: transferase Chain: A; PDB Molecule: oxac; PDBTitle: crystal structure of oxac in complex with sinefungin and meleagrins