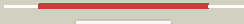



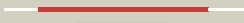







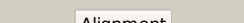






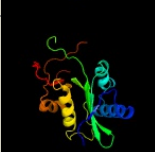




Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD2851c_(-)_3160061_3160531
Date	Wed Aug 7 12:50:51 BST 2019
Unique Job ID	46f450aeea93a79e

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	d1xeba_	 Alignment		100.0	39	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
2	c5z6nA_	 Alignment		100.0	32	PDB header: transferase Chain: A: PDB Molecule: protein elaa; PDBTitle: crystal structure of escherichia coli elaa
3	c3efaA_	 Alignment		100.0	23	PDB header: transferase Chain: A: PDB Molecule: putative acetyltransferase; PDBTitle: crystal structure of putative n-acetyltransferase from lactobacillus2 plantarum
4	d1q2ya_	 Alignment		99.9	24	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
5	d2jdca1	 Alignment		99.9	17	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
6	c5us1K_	 Alignment		99.8	15	PDB header: transferase Chain: K: PDB Molecule: aminoglycoside 2'-n-acetyltransferase; PDBTitle: crystal structure of aminoglycoside acetyltransferase aac(2')-ia in2 complex with n2'-acetylgentamicin c1a and coenzyme a
7	c3mgdB_	 Alignment		99.8	16	PDB header: transferase Chain: B: PDB Molecule: predicted acetyltransferase; PDBTitle: crystal structure of predicted acetyltransferase with acetyl-coa from2 clostridium acetobutylicum at the resolution 1.9a, northeast3 structural genomics consortium target car165
8	d1n71a_	 Alignment		99.8	16	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
9	c1ib1E_	 Alignment		99.8	21	PDB header: signaling protein/transferase Chain: E: PDB Molecule: serotonin n-acetyltransferase; PDBTitle: crystal structure of the 14-3-3 zeta:serotonin n-acetyltransferase2 complex
10	d1m4ia_	 Alignment		99.8	15	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
11	c2pswA_	 Alignment		99.8	14	PDB header: transferase Chain: A: PDB Molecule: n-acetyltransferase 13; PDBTitle: human mak3 homolog in complex with coa

12	c3cntD_	Alignment		99.8	16	PDB header: transferase Chain: D; PDB Molecule: modification of 30s ribosomal subunit protein s18; PDBTitle: rimi - ribosomal s18 n-alpha-protein acetyltransferase in complex with2 coenzymeA.
13	d1ro5a_	Alignment		99.8	20	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: Autoinducer synthetase
14	c3blnA_	Alignment		99.8	11	PDB header: transferase Chain: A; PDB Molecule: acetyltransferase gnat family; PDBTitle: crystal structure of acetyltransferase gnat family (np_981174.1) from2 bacillus cereus atcc 10987 at 1.31 a resolution
15	c4ua3A_	Alignment		99.8	13	PDB header: transferase Chain: A; PDB Molecule: uncharacterized n-acetyltransferase c825.04c; PDBTitle: crystal structure of selenomethionine labeled spnatd
16	d1y9wa1	Alignment		99.8	13	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
17	c4pv6E_	Alignment		99.8	14	PDB header: transferase Chain: E; PDB Molecule: n-terminal acetyltransferase complex subunit [ard1]; PDBTitle: crystal structure analysis of ard1 from thermoplasma volcanium
18	c2r7ha_	Alignment		99.7	15	PDB header: transferase Chain: A; PDB Molecule: putative d-alanine n-acetyltransferase of gnat family; PDBTitle: crdte crystal structure of a putative acetyltransferase of the gnat family2 (dde_3044) from desulfovibrio desulfuricans subsp. at 1.85 a3 resolution
19	d1cjwa_	Alignment		99.7	20	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
20	c4rs2B_	Alignment		99.7	13	PDB header: transferase Chain: B; PDB Molecule: predicted acyltransferase with acyl-coa n-acyltransferase PDBTitle: 1.55 angstrom crystal structure of gnat family n-acetyltransferase2 (yhbs) from escherichia coli in complex with coa
21	c3lodA_	Alignment	not modelled	99.7	19	PDB header: transferase Chain: A; PDB Molecule: putative acyl-coa n-acyltransferase; PDBTitle: the crystal structure of the putative acyl-coa n-acyltransferase from2 klebsiella pneumoniae subsp.pneumoniae mgh 78578
22	c2q0yA_	Alignment	not modelled	99.7	18	PDB header: transferase Chain: A; PDB Molecule: gcn5-related n-acetyltransferase; PDBTitle: crystal structure of gcn5-related n-acetyltransferase (yp_295895.1)2 from ralstonia eutropha jmp134 at 1.80 a resolution
23	c3ey5A_	Alignment	not modelled	99.7	15	PDB header: transferase Chain: A; PDB Molecule: acetyltransferase-like, gnat family; PDBTitle: putative acetyltransferase from gnat family from bacteroides2 thetaiotaomicron.
24	c2pc1A_	Alignment	not modelled	99.7	14	PDB header: transferase Chain: A; PDB Molecule: acetyltransferase, gnat family; PDBTitle: crystal structure of acetyltransferase gnat family (np_688560.1) from2 streptococcus agalactiae 2603 at 1.28 a resolution
25	d1qsrA_	Alignment	not modelled	99.7	11	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
26	c4m85C_	Alignment	not modelled	99.7	17	PDB header: transferase Chain: C; PDB Molecule: n-acetyltransferase; PDBTitle: crystal structure of n-acetyltransferase from staphylococcus aureus2 mu50
27	c2qecA_	Alignment	not modelled	99.7	21	PDB header: transferase Chain: A; PDB Molecule: histone acetyltransferase hpa2 and related PDBTitle: crystal structure of histone acetyltransferase hpa2 and related2 acetyltransferase (np_600742.1) from corynebacterium glutamicum atcc3 13032 at 1.90 a resolution
28	d1tiqa_	Alignment	not modelled	99.7	20	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat)

						Family: N-acetyl transferase, NAT
29	c4e2aA	Alignment	not modelled	99.7	17	PDB header: transferase Chain: A: PDB Molecule: putative acetyltransferase; PDBTitle: crystal structure of the putative acetyltransferase from streptococcus2 mutans
30	d1wwza1	Alignment	not modelled	99.7	20	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
31	c6c95B	Alignment	not modelled	99.7	14	PDB header: transferase Chain: B: PDB Molecule: n-alpha-acetyltransferase 10; PDBTitle: the human nata (naa10/naa15) amino-terminal acetyltransferase complex2 bound to hypk
32	c3d8pB	Alignment	not modelled	99.7	14	PDB header: transferase Chain: B: PDB Molecule: acetyltransferase of gnat family; PDBTitle: crystal structure of acetyltransferase of gnat family (np_373092.1)2 from staphylococcus aureus mu50 at 2.20 a resolution
33	c2kcwA	Alignment	not modelled	99.7	20	PDB header: transferase Chain: A: PDB Molecule: uncharacterized acetyltransferase yjab; PDBTitle: solution structure of apo-form yjab from escherichia coli
34	d1ghea	Alignment	not modelled	99.7	18	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
35	c3gy9A	Alignment	not modelled	99.7	13	PDB header: transferase Chain: A: PDB Molecule: gcn5-related n-acetyltransferase; PDBTitle: crystal structure of putative acetyltransferase (yp_001815201.1) from2 exiguobacterium sp. 255-15 at 1.52 a resolution
36	c2k5tA	Alignment	not modelled	99.7	18	PDB header: transferase Chain: A: PDB Molecule: uncharacterized protein yhhk; PDBTitle: solution nmr structure of putative n-acetyl transferase2 yhhk from e. coli bound to coenzyme a: northeast3 structural genomics consortium target et106
37	c4h89A	Alignment	not modelled	99.7	16	PDB header: transferase Chain: A: PDB Molecule: gcn5-related n-acetyltransferase; PDBTitle: the structure of a gcn5-related n-acetyltransferase from kribbella2 flavida
38	c4kvoF	Alignment	not modelled	99.7	16	PDB header: transferase Chain: F: PDB Molecule: n-terminal acetyltransferase a complex catalytic subunit PDBTitle: the nata (naa10p/naa15p) amino-terminal acetyltransferase complex bound2 to accoa
39	d1u6ma	Alignment	not modelled	99.7	17	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
40	c2r98A	Alignment	not modelled	99.7	13	PDB header: transferase Chain: A: PDB Molecule: putative acetylglutamate synthase; PDBTitle: crystal structure of n-acetylglutamate synthase (selenomet2 substituted) from neisseria gonorrhoeae
41	d2fiwa1	Alignment	not modelled	99.7	18	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
42	d2atra1	Alignment	not modelled	99.7	17	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
43	c3fb3A	Alignment	not modelled	99.7	18	PDB header: transferase Chain: A: PDB Molecule: n-acetyltransferase; PDBTitle: crystal structure of trypanosoma brucei acetyltransferase,2 tb11.01.2886
44	d1s3za	Alignment	not modelled	99.7	13	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
45	d2g3aa1	Alignment	not modelled	99.7	22	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
46	c5k18D	Alignment	not modelled	99.7	13	PDB header: transferase/transferase inhibitor Chain: D: PDB Molecule: n-terminal acetyltransferase b complex subunit nat3; PDBTitle: the natb acetyltransferase complex bound to bisubstrate inhibitor
47	c4zbgA	Alignment	not modelled	99.7	14	PDB header: transferase Chain: A: PDB Molecule: acetyltransferase; PDBTitle: crystal structure of a gnat family acetyltransferase from brucella2 melitensis in complex with acetyl-coa
48	d2fiaa1	Alignment	not modelled	99.7	11	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
49	c5wjda	Alignment	not modelled	99.7	10	PDB header: transferase Chain: A: PDB Molecule: cg8481, isoform b; PDBTitle: crystal structure of naa80 bound to acetyl-coa
50	d1mk4a	Alignment	not modelled	99.7	13	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
51	c2x7bA	Alignment	not modelled	99.7	15	PDB header: transferase Chain: A: PDB Molecule: n-acetyltransferase sso0209; PDBTitle: crystal structure of the n-terminal acetylase ard1 from2 sulfobolus solfataricus p2
52	c2q7bA	Alignment	not modelled	99.7	12	PDB header: transferase Chain: A: PDB Molecule: acetyltransferase, gnat family; PDBTitle: crystal structure of acetyltransferase (np_689019.1) from2 streptococcus agalactiae 2603 at 2.00 a resolution
53	c4u9wA	Alignment	not modelled	99.7	8	PDB header: transferase Chain: A: PDB Molecule: n-alpha-acetyltransferase 40; PDBTitle: crystal structure of natd bound to h4/h2a peptide and coa

54	d1yvoa1	Alignment	not modelled	99.7	14	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
55	d1i12a_	Alignment	not modelled	99.7	15	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
56	c4e8oB_	Alignment	not modelled	99.7	13	PDB header: transferase Chain: B: PDB Molecule: aac(6')-ih protein; PDBTitle: crystal structure of aminoglycoside antibiotic 6'-n-acetyltransferase2 aac(6')-ih from acinetobacter baumannii
57	d2ozga2	Alignment	not modelled	99.7	14	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: EF1021-like
58	d1z4ra1	Alignment	not modelled	99.7	15	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
59	c3dddA_	Alignment	not modelled	99.7	12	PDB header: transferase Chain: A: PDB Molecule: putative acetyltransferase; PDBTitle: crystal structure of a putative acetyltransferase (np_142035.1) from2 pyrococcus horikoshii at 2.25 a resolution
60	c2pdoG_	Alignment	not modelled	99.7	15	PDB header: transferase Chain: G: PDB Molecule: acetyltransferase ypea; PDBTitle: crystal structure of the putative acetyltransferase of gnat family2 from shigella flexneri
61	c3s6fA_	Alignment	not modelled	99.7	25	PDB header: transferase Chain: A: PDB Molecule: hypothetical acetyltransferase; PDBTitle: crystal structure of a putative acetyltransferase (dr_1678) from2 deinococcus radiodurans r1 at 1.19 a resolution
62	c2oh1A_	Alignment	not modelled	99.7	14	PDB header: transferase Chain: A: PDB Molecule: acetyltransferase, gnat family; PDBTitle: crystal structure of acetyltransferase gnat family (yp_013287.1) from2 listeria monocytogenes 4b f2365 at 1.46 a resolution
63	d2hv2a2	Alignment	not modelled	99.7	16	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: EF1021-like
64	d1yvka1	Alignment	not modelled	99.7	18	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
65	c3e0kA_	Alignment	not modelled	99.7	17	PDB header: transferase Chain: A: PDB Molecule: amino-acid acetyltransferase; PDBTitle: crystal structure of c-terminal domain of n-acetylglutamate synthase2 from vibrio parahaemolyticus
66	c2ozgA_	Alignment	not modelled	99.7	14	PDB header: transferase Chain: A: PDB Molecule: gcn5-related n-acetyltransferase; PDBTitle: crystal structure of gcn5-related n-acetyltransferase (yp_325469.1)2 from anabaena variabilis atcc 29413 at 2.00 a resolution
67	d2beia1	Alignment	not modelled	99.7	16	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
68	d2cy2a1	Alignment	not modelled	99.7	16	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
69	d1cm0a_	Alignment	not modelled	99.7	13	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
70	d1ygha_	Alignment	not modelled	99.7	12	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
71	c2g0bG_	Alignment	not modelled	99.7	10	PDB header: transferase Chain: G: PDB Molecule: feem; PDBTitle: the structure of feem, an n-acyl amino acid synthase from uncultured2 soil microbes
72	c5w8cA_	Alignment	not modelled	99.7	17	PDB header: biosynthetic protein Chain: A: PDB Molecule: autoinducer synthase; PDBTitle: the structure of a coa-dependent acyl-homoserine lactone synthase,2 bjai, with mta and isovaleryl-coa
73	c3fncA_	Alignment	not modelled	99.7	9	PDB header: transferase Chain: A: PDB Molecule: putative acetyltransferase; PDBTitle: crystal structure of a putative acetyltransferase from listeria2 innocua
74	c3dsbB_	Alignment	not modelled	99.7	10	PDB header: transferase Chain: B: PDB Molecule: putative acetyltransferase; PDBTitle: the crystal structure of a possible acetyltransferase from clostridium2 difficile 630
75	c3i9sA_	Alignment	not modelled	99.7	13	PDB header: transferase Chain: A: PDB Molecule: integron cassette protein; PDBTitle: structure from the mobile metagenome of v.cholerae. integron2 cassette protein vch_cass6
76	d1y7ra1	Alignment	not modelled	99.7	13	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
77	c3n7zD_	Alignment	not modelled	99.7	14	PDB header: transferase Chain: D: PDB Molecule: acetyltransferase, gnat family; PDBTitle: crystal structure of acetyltransferase from bacillus anthracis
78	c2i00D_	Alignment	not modelled	99.7	13	PDB header: transferase Chain: D: PDB Molecule: acetyltransferase, gnat family; PDBTitle: crystal structure of acetyltransferase (gnat family) from enterococcus2 faecalis
79	c5hgza_	Alignment	not modelled	99.7	16	PDB header: transferase Chain: A: PDB Molecule: n-alpha-acetyltransferase 60; PDBTitle: crystal structure of human naa60 in complex with acetyl-coa
						PDB header: transferase

80	c5icwB_	Alignment	not modelled	99.7	14	Chain: B: PDB Molecule: n-alpha-acetyltransferase 60; PDBTitle: crystal structure of human natf (hnaa60) homodimer bound to coenzyme a
81	c6ao7A_	Alignment	not modelled	99.7	15	PDB header: transferase Chain: A: PDB Molecule: acetyltransferase; PDBTitle: crystal structure of a gnat family acetyltransferase from2 elizabethkingia anophelis with acetyl-coa bound
82	c2ozhA_	Alignment	not modelled	99.7	15	PDB header: transferase Chain: A: PDB Molecule: hypothetical protein xcc2953; PDBTitle: crystal structure of a putative acetyltransferase belonging to the2 gnat family (xcc2953) from xanthomonas campestris pv. campestris at3 1.40 a resolution
83	c4hnyB_	Alignment	not modelled	99.7	16	PDB header: transferase Chain: B: PDB Molecule: n-terminal acetyltransferase a complex catalytic subunit PDBTitle: apo n-terminal acetyltransferase complex a
84	d2i6ca1	Alignment	not modelled	99.6	17	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
85	d2ae6a1	Alignment	not modelled	99.6	12	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
86	c4jxqA_	Alignment	not modelled	99.6	14	PDB header: transferase Chain: A: PDB Molecule: acetyltransferase; PDBTitle: crystal structure of a gnat superfamily phosphinothricin2 acetyltransferase (pat) from sinorhizobium meliloti 1021
87	c3frmF_	Alignment	not modelled	99.6	9	PDB header: structural genomics, unknown function Chain: F: PDB Molecule: uncharacterized conserved protein; PDBTitle: the crystal structure of a functionally unknown conserved protein from2 staphylococcus epidermidis atcc 12228.
88	c5nnrB_	Alignment	not modelled	99.6	13	PDB header: transferase Chain: B: PDB Molecule: naa10; PDBTitle: structure of naa15/naa10 bound to hypk-thb
89	c5f46A_	Alignment	not modelled	99.6	15	PDB header: transferase Chain: A: PDB Molecule: aminoglycoside acetyltransferase meta-aac0020; PDBTitle: crystal structure of an aminoglycoside acetyltransferase meta-aac00202 from an uncultured soil metagenomic sample, apoenzyme form
90	c4bmhA_	Alignment	not modelled	99.6	15	PDB header: transferase Chain: A: PDB Molecule: acetyltransferase; PDBTitle: crystal structure of sshat
91	d2i00a2	Alignment	not modelled	99.6	14	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: EF1021-like
92	c4y49I_	Alignment	not modelled	99.6	13	PDB header: transferase Chain: I: PDB Molecule: n-terminal acetyltransferase a complex subunit nat5; PDBTitle: crystal structure of yeast n-terminal acetyltransferase (ppgpp) nate2 in complex with a bisubstrate
93	d1vhsa_	Alignment	not modelled	99.6	15	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
94	d2fl4a1	Alignment	not modelled	99.6	13	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
95	c2dxqA_	Alignment	not modelled	99.6	18	PDB header: transferase Chain: A: PDB Molecule: acetyltransferase; PDBTitle: putative acetyltransferase from agrobacterium tumefaciens str. c58
96	c3zj0A_	Alignment	not modelled	99.6	15	PDB header: transferase Chain: A: PDB Molecule: acetyltransferase; PDBTitle: the human o-glcnacase c-terminal domain is a pseudo histone2 acetyltransferase
97	c2huzB_	Alignment	not modelled	99.6	13	PDB header: structural genomics, transferase Chain: B: PDB Molecule: glucosamine 6-phosphate n-acetyltransferase; PDBTitle: crystal structure of gnpnat1
98	d1yx0a1	Alignment	not modelled	99.6	16	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
99	c5hmnE_	Alignment	not modelled	99.6	16	PDB header: transferase Chain: E: PDB Molecule: aac3-i; PDBTitle: crystal structure of an aminoglycoside acetyltransferase hmb0005 from2 an uncultured soil metagenomic sample, unknown active site density3 modeled as polyethylene glycol
100	c5ygeA_	Alignment	not modelled	99.6	16	PDB header: transferase Chain: A: PDB Molecule: amino-acid acetyltransferase; PDBTitle: arga complexed with acecoa and glutamate
101	c3t90A_	Alignment	not modelled	99.6	13	PDB header: transferase Chain: A: PDB Molecule: glucose-6-phosphate acetyltransferase 1; PDBTitle: crystal structure of glucosamine-6-phosphate n-acetyltransferase from2 arabidopsis thaliana
102	c3fynA_	Alignment	not modelled	99.6	19	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: integron gene cassette protein hfx_cass3; PDBTitle: crystal structure from the mobile metagenome of cole harbour salt2 marsh: integron cassette protein hfx_cass3
103	c1ufhB_	Alignment	not modelled	99.6	17	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: yycn protein; PDBTitle: structure of putative acetyltransferase, yycn protein of bacillus2 subtilis
104	d1qsmA_	Alignment	not modelled	99.6	11	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
						PDB header: transferase Chain: A: PDB Molecule: glucosamine 6-phosphate

105	c2vxkA	Alignment	not modelled	99.6	17	acetyltransferase; PDBTitle: structural comparison between aspergillus fumigatus and2 human gna1
106	c4e0aB	Alignment	not modelled	99.6	14	PDB header: transferase Chain: B: PDB Molecule: bh1408 protein; PDBTitle: crystal structure of the mutant f44r bh1408 protein from bacillus2 halodurans, northeast structural genomics consortium (nesg) target3 bhr182
107	c3d3aA	Alignment	not modelled	99.6	14	PDB header: transferase Chain: A: PDB Molecule: l-2,4-diaminobutyric acid acetyltransferase; PDBTitle: crystal structure of l-2,4-diaminobutyric acid acetyltransferase from2 bordetella parapertussis
108	c3k9uA	Alignment	not modelled	99.6	19	PDB header: transferase Chain: A: PDB Molecule: paia acetyltransferase; PDBTitle: crystal structure of paia acetyltransferase (ta0374) from thermoplasma2 acidophilum
109	d1y9ka1	Alignment	not modelled	99.6	20	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
110	c3sxnC	Alignment	not modelled	99.6	7	PDB header: transferase Chain: C: PDB Molecule: enhanced intracellular survival protein; PDBTitle: mycobacterium tuberculosis eis protein initiates modulation of host2 immune responses by acetylation of dusp16/mkp-7
111	c5dwnC	Alignment	not modelled	99.6	17	PDB header: transferase Chain: C: PDB Molecule: phosphinothricin n-acetyltransferase; PDBTitle: crystal structure of phosphinothricin n-acetyltransferase from2 brucella ovis in complex with acetylcoa
112	c2hv2D	Alignment	not modelled	99.6	16	PDB header: structural genomics, unknown function Chain: D: PDB Molecule: hypothetical protein; PDBTitle: crystal structure of conserved protein of unknown function from2 enterococcus faecalis v583 at 2.4 a resolution, probable n-3 acyltransferase
113	c3exnA	Alignment	not modelled	99.6	17	PDB header: transferase Chain: A: PDB Molecule: probable acetyltransferase; PDBTitle: crystal structure of acetyltransferase from thermus thermophilus hb8
114	c3dr8B	Alignment	not modelled	99.6	9	PDB header: transferase Chain: B: PDB Molecule: ynca; PDBTitle: structure of ynca, a putative acetyltransferase from salmonella2 typhimurium with its cofactor acetyl-coa
115	c3c26A	Alignment	not modelled	99.6	11	PDB header: transferase Chain: A: PDB Molecule: putative acetyltransferase ta0821; PDBTitle: crystal structure of a putative acetyltransferase (np_394282.1) from2 thermoplasma acidophilum at 2.00 a resolution
116	c5k9nB	Alignment	not modelled	99.6	15	PDB header: transferase Chain: B: PDB Molecule: polyamine n acetyltransferase; PDBTitle: structural and mechanistic analysis of drosophila melanogaster2 polyamine n acetyltransferase, an enzyme that catalyzes the formation3 of n acetylarginine
117	c3te4A	Alignment	not modelled	99.6	19	PDB header: transferase Chain: A: PDB Molecule: dopamine n acetyltransferase, isoform a; PDBTitle: crystal structure of dopamine n acetyltransferase in complex with2 acetyl-coa from drosophila melanogaster
118	c3f8kA	Alignment	not modelled	99.6	14	PDB header: transferase Chain: A: PDB Molecule: protein acetyltransferase; PDBTitle: crystal structure of protein acetyltransferase (pat) from sulfobolobus2 solfataricus
119	c2jlmE	Alignment	not modelled	99.6	12	PDB header: transferase Chain: E: PDB Molecule: putative phosphinothricin n-acetyltransferase; PDBTitle: structure of a putative acetyltransferase (aciad1637) from2 acinetobacter baylyi adp1
120	c5jtfB	Alignment	not modelled	99.6	8	PDB header: transferase Chain: B: PDB Molecule: putative phosphinothricin n-acetyltransferase; PDBTitle: crystal structure of arsn n-acetyltransferase from pseudomonas putida2 kt2440