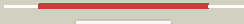



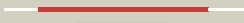




























Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD2669_(-)_2985293_2985763
Date	Wed Aug 7 12:50:32 BST 2019
Unique Job ID	e9d1bbc4118fbbf0

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	d1tiqa_	 Alignment		100.0	23	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
2	c4e2aA	 Alignment		100.0	27	PDB header: transferase Chain: A: PDB Molecule: putative acetyltransferase; PDBTitle: crystal structure of the putative acetyltransferase from streptococcus2 mutans
3	d2fiwa1	 Alignment		99.9	23	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
4	d2cy2a1	 Alignment		99.9	21	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
5	c3fncA	 Alignment		99.9	17	PDB header: transferase Chain: A: PDB Molecule: putative acetyltransferase; PDBTitle: crystal structure of a putative acetyltransferase from listeria2 innocua
6	c4pv6E	 Alignment		99.9	21	PDB header: transferase Chain: E: PDB Molecule: n-terminal acetyltransferase complex subunit [ard1]; PDBTitle: crystal structure analysis of ard1 from thermoplasma volcanium
7	d1ghea	 Alignment		99.9	16	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
8	c3k9uA	 Alignment		99.9	25	PDB header: transferase Chain: A: PDB Molecule: paia acetyltransferase; PDBTitle: crystal structure of paia acetyltransferase (ta0374) from thermoplasma2 acidophilum
9	d2fiaa1	 Alignment		99.9	18	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
10	c3c26A	 Alignment		99.9	15	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
11	c2cntD	 Alignment		99.9	21	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.

12	d1yvoa1	Alignment		99.9	16	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
13	d1yvka1	Alignment		99.9	19	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
14	c3fixA_	Alignment		99.9	24	PDB header: transferase Chain: A: PDB Molecule: n-acetyltransferase; PDBTitle: crystal structure of a putative n-acetyltransferase (ta0374) from2 thermoplasma acidophilum
15	d1n71a_	Alignment		99.9	20	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
16	c3d8pB_	Alignment		99.9	21	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
17	c2q7bA_	Alignment		99.9	18	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
18	c2pswA_	Alignment		99.9	21	PDB header: transferase Chain: A: PDB Molecule: n-acetyltransferase 13; PDBTitle: human mak3 homolog in complex with coa
19	c3blnA_	Alignment		99.8	16	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
20	c6ao7A_	Alignment		99.8	19	PDB header: transferase Chain: A: PDB Molecule: acetyltransferase; PDBTitle: crystal structure of a gnat family acetyltransferase from2 elizabethkingia anophelis with acetyl-coa bound
21	c3dr8B_	Alignment	not modelled	99.8	14	PDB header: transferase Chain: B: PDB Molecule: ynca; PDBTitle: structure of ynca, a putative acetyltransferase from salmonella2 typhimurium with its cofactor acetyl-coa
22	c3g8wB_	Alignment	not modelled	99.8	13	PDB header: transferase Chain: B: PDB Molecule: lactococcal prophage ps3 protein 05; PDBTitle: crystal structure of a probable acetyltransferase from staphylococcus2 epidermidis atcc 12228
23	d1vhsa_	Alignment	not modelled	99.8	17	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
24	d1y9ka1	Alignment	not modelled	99.8	20	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
25	c5k18D_	Alignment	not modelled	99.8	17	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
26	c2q0yA_	Alignment	not modelled	99.8	17	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
27	c2jlmE_	Alignment	not modelled	99.8	14	PDB header: transferase Chain: E: PDB Molecule: putative phosphinothricin n-acetyltransferase; PDBTitle: structure of a putative acetyltransferase (aciad1637) from2 acinetobacter baylyi adp1
28	c3lodA_	Alignment	not modelled	99.8	16	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
29	c2r7hA_	Alignment	not modelled	99.8	18	PDB header: transferase Chain: A: PDB Molecule: putative d-alanine n-acetyltransferase of gnat family; PDBTitle: crystal structure of a putative acetyltransferase of the gnat family2 (dde_3044) from desulfovibrio desulfuricans subsp. at 1.85 a3 resolution
30	c4jxqA_	Alignment	not modelled	99.8	15	PDB header: transferase Chain: A: PDB Molecule: acetyltransferase; PDBTitle: crystal structure of a gnat superfamily phosphinothricin2 acetyltransferase (pat) from sinorhizobium meliloti 1021
31	c5jtfB_	Alignment	not modelled	99.8	20	PDB header: transferase Chain: B: PDB Molecule: putative phosphinothricin n-acetyltransferase; PDBTitle: crystal structure of arsn n-acetyltransferase from pseudomonas putida2 kt2440
32	c4ua3A_	Alignment	not modelled	99.8	13	PDB header: transferase Chain: A: PDB Molecule: uncharacterized n-acetyltransferase c825.04c; PDBTitle: crystal structure of selenomethionine labeled spnatd
33	d1yr0a1	Alignment	not modelled	99.8	14	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
34	c5t7eD_	Alignment	not modelled	99.8	15	PDB header: transferase Chain: D: PDB Molecule: phosphinothricin n-acetyltransferase; PDBTitle: crystal structure of streptomyces hygrosopicus bialaphos resistance2 (bar) protein in complex with coenzyme a and l-phosphinothricin
35	c4h89A_	Alignment	not modelled	99.8	18	PDB header: transferase Chain: A: PDB Molecule: gcn5-related n-acetyltransferase; PDBTitle: the structure of a gcn5-related n-acetyltransferase from kribbella2 flavida
36	d1u6ma_	Alignment	not modelled	99.8	23	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
37	d1yx0a1	Alignment	not modelled	99.8	20	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
38	d2i6ca1	Alignment	not modelled	99.8	19	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
39	c5hgza_	Alignment	not modelled	99.8	18	PDB header: transferase Chain: A: PDB Molecule: n-alpha-acetyltransferase 60; PDBTitle: crystal structure of human naa60 in complex with acetyl-coa
40	c4mbuB_	Alignment	not modelled	99.8	14	PDB header: transferase Chain: B: PDB Molecule: similar to n-acetyltransferase; PDBTitle: crystal structure of n-acetyltransferase from staphylococcus aureus2 mu50
41	c3dsbB_	Alignment	not modelled	99.8	14	PDB header: transferase Chain: B: PDB Molecule: putative acetyltransferase; PDBTitle: the crystal structure of a possible acetyltransferase from clostridium2 difficile 630
42	d2ae6a1	Alignment	not modelled	99.8	23	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
43	c4kvoF_	Alignment	not modelled	99.8	19	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
44	c3zj0A_	Alignment	not modelled	99.8	27	PDB header: transferase Chain: A: PDB Molecule: acetyltransferase; PDBTitle: the human o-glcnaase c-terminal domain is a pseudo histone2 acetyltransferase
45	c6c95B_	Alignment	not modelled	99.8	23	PDB header: transferase Chain: B: PDB Molecule: n-alpha-acetyltransferase 10; PDBTitle: the human nata (naa10/naa15) amino-terminal acetyltransferase complex2 bound to hypk
46	c4u9wA_	Alignment	not modelled	99.8	17	PDB header: transferase Chain: A: PDB Molecule: n-alpha-acetyltransferase 40; PDBTitle: crystal structure of natd bound to h4/h2a peptide and coa
47	c2pdoG_	Alignment	not modelled	99.8	19	PDB header: transferase Chain: G: PDB Molecule: acetyltransferase ypea; PDBTitle: crystal structure of the putative acetyltransferase of gnat family2 from shigella flexneri
48	c3efaA_	Alignment	not modelled	99.8	16	PDB header: transferase Chain: A: PDB Molecule: putative acetyltransferase; PDBTitle: crystal structure of putative n-acetyltransferase from lactobacillus2 plantarum
49	c4e0aB_	Alignment	not modelled	99.8	17	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
50	c4luaA_	Alignment	not modelled	99.8	12	PDB header: transferase Chain: A: PDB Molecule: n-acetyltransferase; PDBTitle: crystal structure of n-acetyltransferase from staphylococcus aureus2 mu50
51	c3ld2B_	Alignment	not modelled	99.8	21	PDB header: transferase Chain: B: PDB Molecule: putative acetyltransferase; PDBTitle: the crystal structure of smu.2055 from streptococcus mutans ua159
52	c2x7bA_	Alignment	not modelled	99.8	26	PDB header: transferase Chain: A: PDB Molecule: n-acetyltransferase sso0209; PDBTitle: crystal structure of the n-terminal acetylase ard1 from2 sulfobolus solfataricus p2
						PDB header: transferase

53	c4hnyB_	Alignment	not modelled	99.8	22	Chain: B: PDB Molecule: n-terminal acetyltransferase a complex catalytic subunit PDBTitle: apo n-terminal acetyltransferase complex a
54	c2oh1A_	Alignment	not modelled	99.8	15	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
55	d1s3za_	Alignment	not modelled	99.8	21	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
56	c5nnrB_	Alignment	not modelled	99.8	21	PDB header: transferase Chain: B: PDB Molecule: naa10; PDBTitle: structure of naa15/naa10 bound to hypk-thb
57	c1ib1E_	Alignment	not modelled	99.8	17	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
58	d1mk4a_	Alignment	not modelled	99.8	15	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
59	c3i9sA_	Alignment	not modelled	99.8	14	PDB header: transferase Chain: A: PDB Molecule: integron cassette protein; PDBTitle: structure from the mobile metagenome of v.cholerae. integron2 cassette protein vch_cass6
60	c4j3gD_	Alignment	not modelled	99.8	17	PDB header: transferase Chain: D: PDB Molecule: gcn5-related n-acetyltransferase; PDBTitle: crystal structure of ribosomal-protein-alanine n-acetyltransferase2 from brucella melitensis
61	c5dwnC_	Alignment	not modelled	99.8	19	PDB header: transferase Chain: C: PDB Molecule: phosphinothricin n-acetyltransferase; PDBTitle: crystal structure of phosphinothricin n-acetyltransferase from2 brucella ovis in complex with acetylcoa
62	c3ey5A_	Alignment	not modelled	99.8	14	PDB header: transferase Chain: A: PDB Molecule: acetyltransferase-like, gnat family; PDBTitle: putative acetyltransferase from gnat family from bacteroides2 thetaiotaomicron.
63	c5f46A_	Alignment	not modelled	99.8	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
64	d2jdca1	Alignment	not modelled	99.8	18	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
65	c2r1iB_	Alignment	not modelled	99.8	23	PDB header: transferase Chain: B: PDB Molecule: gcn5-related n-acetyltransferase; PDBTitle: crystal structure of putative acetyltransferase (yp_831484.1) from2 arthrobacter sp. fb24 at 1.65 a resolution
66	d2fl4a1	Alignment	not modelled	99.8	19	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
67	c5icwB_	Alignment	not modelled	99.8	18	PDB header: transferase Chain: B: PDB Molecule: n-alpha-acetyltransferase 60; PDBTitle: crystal structure of human natf (hnaa60) homodimer bound to coenzyme a
68	d1y9wa1	Alignment	not modelled	99.8	17	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
69	c3pp9B_	Alignment	not modelled	99.8	20	PDB header: transferase Chain: B: PDB Molecule: putative streptothricin acetyltransferase; PDBTitle: 1.6 angstrom resolution crystal structure of putative streptothricin2 acetyltransferase from bacillus anthracis str. ames in complex with3 acetyl coenzyme a
70	d1vkca_	Alignment	not modelled	99.8	18	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
71	c2pc1A_	Alignment	not modelled	99.8	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
72	c3mgdB_	Alignment	not modelled	99.8	17	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
73	c4m85C_	Alignment	not modelled	99.8	17	PDB header: transferase Chain: C: PDB Molecule: n-acetyltransferase; PDBTitle: crystal structure of n-acetyltransferase from staphylococcus aureus2 mu50
74	d2beia1	Alignment	not modelled	99.8	21	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
75	c3exnA_	Alignment	not modelled	99.7	26	PDB header: transferase Chain: A: PDB Molecule: probable acetyltransferase; PDBTitle: crystal structure of acetyltransferase from thermus thermophilus hb8
76	c2i79B_	Alignment	not modelled	99.7	21	PDB header: transferase Chain: B: PDB Molecule: acetyltransferase, gnat family; PDBTitle: the crystal structure of the acetyltransferase of gnat family from2 streptococcus pneumoniae
77	c5hmnE_	Alignment	not modelled	99.7	17	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
78	c2r98A_	Alignment	not modelled	99.7	21 PDB header: transferase Chain: A: PDB Molecule: putative acetylglutamate synthase; PDBTitle: crystal structure of n-acetylglutamate synthase (selenomet2 substituted) from neisseria gonorrhoeae
79	d1qsmA_	Alignment	not modelled	99.7	18 Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
80	d1wwzA1	Alignment	not modelled	99.7	18 Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
81	c4ubrA_	Alignment	not modelled	99.7	23 PDB header: transferase Chain: A: PDB Molecule: putative acetyltransferase; PDBTitle: crystal structure of pseudomonas aeruginosa n-acetyltransferase pa4534
82	d1s7ka1	Alignment	not modelled	99.7	11 Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
83	c1ufhB_	Alignment	not modelled	99.7	18 PDB header: structural genomics, unknown function Chain: B: PDB Molecule: yycn protein; PDBTitle: structure of putative acetyltransferase, yycn protein of bacillus2 subtilis
84	d2atra1	Alignment	not modelled	99.7	20 Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
85	c3f8kA_	Alignment	not modelled	99.7	20 PDB header: transferase Chain: A: PDB Molecule: protein acetyltransferase; PDBTitle: crystal structure of protein acetyltransferase (pat) from sulfolobus2 solfataricus
86	d1q2ya_	Alignment	not modelled	99.7	21 Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
87	c2dxqA_	Alignment	not modelled	99.7	22 PDB header: transferase Chain: A: PDB Molecule: acetyltransferase; PDBTitle: putative acetyltransferase from agrobacterium tumefaciens str. c58
88	d2euia1	Alignment	not modelled	99.7	20 Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
89	c2reeB_	Alignment	not modelled	99.7	19 PDB header: transferase, lyase Chain: B: PDB Molecule: cura; PDBTitle: crystal structure of the loading gnat1 domain of cura from lnygbya2 majuscula
90	d1y7ra1	Alignment	not modelled	99.7	15 Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
91	c4e8oB_	Alignment	not modelled	99.7	16 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
92	c4bmhA_	Alignment	not modelled	99.7	23 PDB header: transferase Chain: A: PDB Molecule: acetyltransferase; PDBTitle: crystal structure of shat
93	d2gana1	Alignment	not modelled	99.7	16 Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
94	c2qecA_	Alignment	not modelled	99.7	18 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
95	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
96	c2ozhA_	Alignment	not modelled	99.7	22 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
97	d2g3aa1	Alignment	not modelled	99.7	17 Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
98	d1cjwa_	Alignment	not modelled	99.7	18 Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
99	d2ge3a1	Alignment	not modelled	99.7	22 Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
100	d1p0ha_	Alignment	not modelled	99.7	24 Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
101	c3frmF_	Alignment	not modelled	99.7	18 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.
102	c1bo4A_	Alignment	not modelled	99.7	18 PDB header: transferase Chain: A: PDB Molecule: protein (serratia marcescens aminoglycoside-3-n- PDBTitle: crystal structure of a gcn5-related n-acetyltransferase: serratia2 marescens aminoglycoside 3-n-acetyltransferase
103	d1bo4a_	Alignment	not modelled	99.7	18 Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat)

					Family: N-acetyl transferase, NAT
104	d1xeba_	Alignment	not modelled	99.7	18 Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
105	c4y49l_	Alignment	not modelled	99.7	14 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
106	d1ufha_	Alignment	not modelled	99.7	18 Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
107	c2k5tA_	Alignment	not modelled	99.7	16 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
108	d1z4ea1	Alignment	not modelled	99.7	20 Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
109	c3te4A_	Alignment	not modelled	99.7	21 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
110	c3e0kA_	Alignment	not modelled	99.7	14 PDB header: transferase Chain: A: PDB Molecule: amino-acid acetyltransferase; PDBTitle: crystal structure of c-terminal domain of n-acetylglutamate synthase2 from vibrio parahaemolyticus
111	c4u5yA_	Alignment	not modelled	99.7	18 PDB header: ligase Chain: A: PDB Molecule: acyl-coa synthetase; PDBTitle: crystal structure of the complex between the gnat domain of s.2 lividans pat and the acetyl-coa synthetase c-terminal domain of s.3 enterica
112	c4zbga_	Alignment	not modelled	99.7	23 PDB header: transferase Chain: A: PDB Molecule: acetyltransferase; PDBTitle: crystal structure of a gnat family acetyltransferase from brucella2 melitensis in complex with acetyl-coa
113	c5k9nB_	Alignment	not modelled	99.7	23 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 acetylglutamine
114	c5z6nA_	Alignment	not modelled	99.7	18 PDB header: transferase Chain: A: PDB Molecule: protein elaa; PDBTitle: crystal structure of escherichia coli elaa
115	d1z4ra1	Alignment	not modelled	99.7	17 Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
116	d1qsra_	Alignment	not modelled	99.7	12 Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
117	c3s6fA_	Alignment	not modelled	99.7	17 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
118	d2b5ga1	Alignment	not modelled	99.7	13 Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
119	c3d3sA_	Alignment	not modelled	99.7	15 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
120	c2vzza_	Alignment	not modelled	99.7	21 PDB header: transferase Chain: A: PDB Molecule: rv0802c; PDBTitle: crystal structure of rv0802c from mycobacterium2 tuberculosis in complex with succinyl-coa