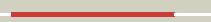
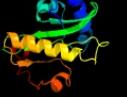
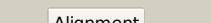
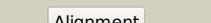
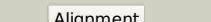
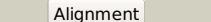
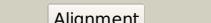


# Phyre<sup>2</sup>

Email	mdejesus@rockefeller.edu
Description	RVBD2747 (-) _3059272_3059796
Date	Wed Aug 7 12:50:40 BST 2019
Unique Job ID	86a41c908b50ae13

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	<a href="#">c5ygeA</a>			100.0	100	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> amino-acid acetyltransferase; <b>PDBTitle:</b> arga complexed with acecoa and glutamate
2	<a href="#">c2r98A</a>			99.9	30	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> putative acetylglutamate synthase; <b>PDBTitle:</b> crystal structure of n-acetylglutamate synthase (selenomet2 substituted) from neisseria gonorrhoeae
3	<a href="#">c3e0kA</a>			99.9	19	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> amino-acid acetyltransferase; <b>PDBTitle:</b> crystal structure of c-terminal domain of n-acetylglutamate synthase2 from vibrio parahaemolyticus
4	<a href="#">c4rs2B</a>			99.8	21	<b>PDB header:</b> transferase <b>Chain:</b> B; <b>PDB Molecule:</b> predicted acyltransferase with acyl-coa n-acyltransferase <b>PDBTitle:</b> 1.55 angstrom crystal structure of gnat family n-acetyltransferase2 (yhbs) from escherichia coli in complex with coa
5	<a href="#">c3d8pB</a>			99.8	18	<b>PDB header:</b> transferase <b>Chain:</b> B; <b>PDB Molecule:</b> acetyltransferase of gnat family; <b>PDBTitle:</b> crystal structure of acetyltransferase of gnat family (np_373092.1)2 from staphylococcus aureus mu50 at 2.20 a resolution
6	<a href="#">c4pv6E</a>			99.8	20	<b>PDB header:</b> transferase <b>Chain:</b> E; <b>PDB Molecule:</b> n-terminal acetyltransferase complex subunit [ard1]; <b>PDBTitle:</b> crystal structure analysis of ard1 from thermoplasma volcanium
7	<a href="#">c2q0yA</a>			99.8	22	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> gcn5-related n-acetyltransferase; <b>PDBTitle:</b> crystal structure of gcn5-related n-acetyltransferase (yp_295895.1)2 from ralstonia eutropha jmp134 at 1.80 a resolution
8	<a href="#">c3efaa</a>			99.8	12	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> putative acetyltransferase; <b>PDBTitle:</b> crystal structure of putative n-acetyltransferase from lactobacillus2 plantarum
9	<a href="#">c4zbgA</a>			99.7	19	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> acetyltransferase; <b>PDBTitle:</b> crystal structure of a gnat family acetyltransferase from brucella2 melitensis in complex with acetyl-coa
10	<a href="#">c4eoab</a>			99.7	15	<b>PDB header:</b> transferase <b>Chain:</b> B; <b>PDB Molecule:</b> bh1408 protein; <b>PDBTitle:</b> crystal structure of the mutant f44r bh1408 protein from bacillus2 halodurans, northeast structural genomics consortium (nesg) target3 bhr182
11	<a href="#">d2beia1</a>			99.7	21	<b>Fold:</b> Acyl-CoA N-acyltransferases (Nat) <b>Superfamily:</b> Acyl-CoA N-acyltransferases (Nat) <b>Family:</b> N-acetyl transferase, NAT

12	<a href="#">d2ozga2</a>	Alignment		99.7	13	<b>Fold:</b> Acyl-CoA N-acyltransferases (Nat) <b>Superfamily:</b> Acyl-CoA N-acyltransferases (Nat) <b>Family:</b> EF1021-like
13	<a href="#">d1i12a</a>	Alignment		99.7	16	<b>Fold:</b> Acyl-CoA N-acyltransferases (Nat) <b>Superfamily:</b> Acyl-CoA N-acyltransferases (Nat) <b>Family:</b> N-acetyl transferase, NAT
14	<a href="#">c2r1iB</a>	Alignment		99.7	16	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> gcn5-related n-acetyltransferase; <b>PDBTitle:</b> crystal structure of putative acetyltransferase (yp_831484.1) from2 arthrobacter sp. fb24 at 1.65 a resolution
15	<a href="#">c2pswA</a>	Alignment		99.7	16	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> n-acetyltransferase 13; <b>PDBTitle:</b> human mak3 homolog in complex with coa
16	<a href="#">c3blnA</a>	Alignment		99.7	12	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> acetyltransferase gnat family; <b>PDBTitle:</b> crystal structure of acetyltransferase gnat family (np_981174.1) from2 bacillus cereus atcc 10987 at 1.31 a resolution
17	<a href="#">c5k18D</a>	Alignment		99.7	7	<b>PDB header:</b> transferase/transferase inhibitor <b>Chain:</b> D: <b>PDB Molecule:</b> n-terminal acetyltransferase b complex subunit nat3; <b>PDBTitle:</b> the natb acetyltransferase complex bound to bisubstrate inhibitor
18	<a href="#">c3lodA</a>	Alignment		99.7	19	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> putative acyl-coa n-acyltransferase; <b>PDBTitle:</b> the crystal structure of the putative acyl-coa n-acyltransferase from2 klebsiella pneumoniae subsp.pneumoniae mgh 78578
19	<a href="#">c2ozhA</a>	Alignment		99.7	20	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> hypothetical protein xcc2953; <b>PDBTitle:</b> crystal structure of a putative acetyltransferase belonging to the2 gnat family (xcc2953) from xanthomonas campestris pv. campestris at3 1.40 a resolution
20	<a href="#">d1s3za</a>	Alignment		99.7	13	<b>Fold:</b> Acyl-CoA N-acyltransferases (Nat) <b>Superfamily:</b> Acyl-CoA N-acyltransferases (Nat) <b>Family:</b> N-acetyl transferase, NAT
21	<a href="#">c4e8oB</a>	Alignment	not modelled	99.7	11	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> aac(6')-ih protein; <b>PDBTitle:</b> crystal structure of aminoglycoside antibiotic 6'-n-acetyltransferase2 aac(6')-ih from acinetobacter baumannii
22	<a href="#">c2pdoG</a>	Alignment	not modelled	99.7	20	<b>PDB header:</b> transferase <b>Chain:</b> G: <b>PDB Molecule:</b> acetyltransferase ypea; <b>PDBTitle:</b> crystal structure of the putative acetyltransferase of gnat family2 from shigella flexneri
23	<a href="#">d1mk4a</a>	Alignment	not modelled	99.7	16	<b>Fold:</b> Acyl-CoA N-acyltransferases (Nat) <b>Superfamily:</b> Acyl-CoA N-acyltransferases (Nat) <b>Family:</b> N-acetyl transferase, NAT
24	<a href="#">c3fynA</a>	Alignment	not modelled	99.7	21	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> integron gene cassette protein hfx_cass3; <b>PDBTitle:</b> crystal structure from the mobile metagenome of cole harbour salt2 marsh: integron cassette protein hfx_cass3
25	<a href="#">c2r7hA</a>	Alignment	not modelled	99.7	18	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> putative d-alanine n-acetyltransferase of gnat family; <b>PDBTitle:</b> crystal structure of a putative acetyltransferase of the gnat family2 (dde_3044) from desulfovibrio desulfuricans subsp. at 1.85 a3 resolution
26	<a href="#">d1tiqa</a>	Alignment	not modelled	99.7	13	<b>Fold:</b> Acyl-CoA N-acyltransferases (Nat) <b>Superfamily:</b> Acyl-CoA N-acyltransferases (Nat) <b>Family:</b> N-acetyl transferase, NAT
27	<a href="#">c3fb3A</a>	Alignment	not modelled	99.7	23	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> n-acetyltransferase; <b>PDBTitle:</b> crystal structure of trypanosoma brucei acetyltransferase,2 tb11.01.2886
28	<a href="#">d2atral</a>	Alignment	not modelled	99.7	15	<b>Fold:</b> Acyl-CoA N-acyltransferases (Nat) <b>Superfamily:</b> Acyl-CoA N-acyltransferases (Nat) <b>Family:</b> N-acetyl transferase, NAT

29	<a href="#">c2ozgA</a>	Alignment	not modelled	99.7	13	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> gcn5-related n-acetyltransferase; <b>PDBTitle:</b> crystal structure of gcn5-related n-acetyltransferase (yp_325469.1)2 from anabaena variabilis atcc 29413 at 2.00 a resolution
30	<a href="#">d1u6ma</a>	Alignment	not modelled	99.7	24	<b>Fold:</b> Acyl-CoA N-acyltransferases (Nat) <b>Superfamily:</b> Acyl-CoA N-acyltransferases (Nat) <b>Family:</b> N-acetyl transferase, NAT
31	<a href="#">c1ib1E</a>	Alignment	not modelled	99.7	16	<b>PDB header:</b> signaling protein/transferase <b>Chain:</b> E: <b>PDB Molecule:</b> serotonin n-acetyltransferase; <b>PDBTitle:</b> crystal structure of the 14-3-3 zeta:serotonin n-acetyltransferase2 complex
32	<a href="#">c3zj0A</a>	Alignment	not modelled	99.7	17	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> acetyltransferase; <b>PDBTitle:</b> the human o-glcnaacase c-terminal domain is a pseudo histone2 acetyltransferase
33	<a href="#">c3i9sA</a>	Alignment	not modelled	99.7	17	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> integron cassette protein; <b>PDBTitle:</b> structure from the mobile metagenome of v.cholerae. integron2 cassette protein vch_cass6
34	<a href="#">c2q7bA</a>	Alignment	not modelled	99.7	19	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> acetyltransferase, gnat family; <b>PDBTitle:</b> crystal structure of acetyltransferase (np_689019.1) from2 streptococcus agalactiae 2603 at 2.00 a resolution
35	<a href="#">d2b5ga1</a>	Alignment	not modelled	99.7	19	<b>Fold:</b> Acyl-CoA N-acyltransferases (Nat) <b>Superfamily:</b> Acyl-CoA N-acyltransferases (Nat) <b>Family:</b> N-acetyl transferase, NAT
36	<a href="#">c2cntD</a>	Alignment	not modelled	99.7	16	<b>PDB header:</b> transferase <b>Chain:</b> D: <b>PDB Molecule:</b> modification of 30s ribosomal subunit protein s18; <b>PDBTitle:</b> rimi - ribosomal s18 n-alpha-protein acetyltransferase in complex with2 coenzymea.
37	<a href="#">c3f8kA</a>	Alignment	not modelled	99.7	25	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> protein acetyltransferase; <b>PDBTitle:</b> crystal structure of protein acetyltransferase (pat) from sulfolobus2 solfatarius
38	<a href="#">d1m4ia</a>	Alignment	not modelled	99.7	16	<b>Fold:</b> Acyl-CoA N-acyltransferases (Nat) <b>Superfamily:</b> Acyl-CoA N-acyltransferases (Nat) <b>Family:</b> N-acetyl transferase, NAT
39	<a href="#">d2euia1</a>	Alignment	not modelled	99.7	18	<b>Fold:</b> Acyl-CoA N-acyltransferases (Nat) <b>Superfamily:</b> Acyl-CoA N-acyltransferases (Nat) <b>Family:</b> N-acetyl transferase, NAT
40	<a href="#">d1yx0a1</a>	Alignment	not modelled	99.7	20	<b>Fold:</b> Acyl-CoA N-acyltransferases (Nat) <b>Superfamily:</b> Acyl-CoA N-acyltransferases (Nat) <b>Family:</b> N-acetyl transferase, NAT
41	<a href="#">c4bmhA</a>	Alignment	not modelled	99.7	22	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> acetyltransferase; <b>PDBTitle:</b> crystal structure of sshat
42	<a href="#">c2qecA</a>	Alignment	not modelled	99.7	21	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> histone acetyltransferase hpa2 and related <b>PDBTitle:</b> crystal structure of histone acetyltransferase hpa2 and related2 acetyltransferase (np_600742.1) from corynebacterium glutamicum atcc3 13032 at 1.90 a resolution
43	<a href="#">d2i00a2</a>	Alignment	not modelled	99.7	12	<b>Fold:</b> Acyl-CoA N-acyltransferases (Nat) <b>Superfamily:</b> Acyl-CoA N-acyltransferases (Nat) <b>Family:</b> EF1021-like
44	<a href="#">d2hv2a2</a>	Alignment	not modelled	99.7	12	<b>Fold:</b> Acyl-CoA N-acyltransferases (Nat) <b>Superfamily:</b> Acyl-CoA N-acyltransferases (Nat) <b>Family:</b> EF1021-like
45	<a href="#">d2fiaa1</a>	Alignment	not modelled	99.7	18	<b>Fold:</b> Acyl-CoA N-acyltransferases (Nat) <b>Superfamily:</b> Acyl-CoA N-acyltransferases (Nat) <b>Family:</b> N-acetyl transferase, NAT
46	<a href="#">d1y7ra1</a>	Alignment	not modelled	99.7	13	<b>Fold:</b> Acyl-CoA N-acyltransferases (Nat) <b>Superfamily:</b> Acyl-CoA N-acyltransferases (Nat) <b>Family:</b> N-acetyl transferase, NAT
47	<a href="#">c2dxqA</a>	Alignment	not modelled	99.7	18	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> acetyltransferase; <b>PDBTitle:</b> putative acetyltransferase from agrobacterium tumefaciens str. c58
48	<a href="#">c4ubrA</a>	Alignment	not modelled	99.7	18	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> putative acetyltransferase; <b>PDBTitle:</b> crystal structure of pseudomonas aeruginosa n-acetyltransferase pa4534
49	<a href="#">c2huzB</a>	Alignment	not modelled	99.7	18	<b>PDB header:</b> structural genomics, transferase <b>Chain:</b> B: <b>PDB Molecule:</b> glucosamine 6-phosphate n-acetyltransferase; <b>PDBTitle:</b> crystal structure of gnpnat1
50	<a href="#">c5hmne</a>	Alignment	not modelled	99.7	16	<b>PDB header:</b> transferase <b>Chain:</b> E: <b>PDB Molecule:</b> aac3-i; <b>PDBTitle:</b> crystal structure of an aminoglycoside acetyltransferase hmb0005 from2 an uncultured soil metagenomic sample, unknown active site density3 modeled as polyethylene glycol
51	<a href="#">c3gy9A</a>	Alignment	not modelled	99.7	20	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> gcn5-related n-acetyltransferase; <b>PDBTitle:</b> crystal structure of putative acetyltransferase (yp_001815201.1) from2 exiguobacterium sp. 255-15 at 1.52 a resolution
52	<a href="#">c3mgdB</a>	Alignment	not modelled	99.7	17	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> predicted acetyltransferase; <b>PDBTitle:</b> crystal structure of predicted acetyltransferase with acetyl-coa from2 clostridium acetobutylicum at the resolution 1.9a, northeast3 structural genomics consortium target car165
53	<a href="#">d1y9wa1</a>	Alianment	not modelled	99.7	18	<b>Fold:</b> Acyl-CoA N-acyltransferases (Nat) <b>Superfamily:</b> Acyl-CoA N-acyltransferases (Nat)

					<b>Family:</b> N-acetyl transferase, NAT
54	<a href="#">d1ghea</a>	Alignment	not modelled	99.7	<b>Fold:</b> Acyl-CoA N-acyltransferases (Nat) <b>Superfamily:</b> Acyl-CoA N-acyltransferases (Nat) <b>Family:</b> N-acetyl transferase, NAT
55	<a href="#">c3c26A</a>	Alignment	not modelled	99.7	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> putative acetyltransferase ta0821; <b>PDBTitle:</b> crystal structure of a putative acetyltransferase (np_394282.1) from thermoplasma acidophilum at 2.00 a resolution
56	<a href="#">d2fiwa1</a>	Alignment	not modelled	99.7	<b>Fold:</b> Acyl-CoA N-acyltransferases (Nat) <b>Superfamily:</b> Acyl-CoA N-acyltransferases (Nat) <b>Family:</b> N-acetyl transferase, NAT
57	<a href="#">c3d3sA</a>	Alignment	not modelled	99.7	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> l-2,4-diaminobutyric acid acetyltransferase; <b>PDBTitle:</b> crystal structure of l-2,4-diaminobutyric acid acetyltransferase from2 bordetella parapertussis
58	<a href="#">c3t90A</a>	Alignment	not modelled	99.7	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> glucose-6-phosphate acetyltransferase 1; <b>PDBTitle:</b> crystal structure of glucosamine-6-phosphate n-acetyltransferase from2 arabidopsis thaliana
59	<a href="#">c3dddA</a>	Alignment	not modelled	99.7	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> putative acetyltransferase; <b>PDBTitle:</b> crystal structure of a putative acetyltransferase (np_142035.1) from2 pyrococcus horikoshii at 2.25 a resolution
60	<a href="#">c6c95B</a>	Alignment	not modelled	99.7	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> n-alpha-acetyltransferase 10; <b>PDBTitle:</b> the human nata (naa10/naa15) amino-terminal acetyltransferase complex2 bound to hypk
61	<a href="#">c2vxkA</a>	Alignment	not modelled	99.7	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> glucosamine 6-phosphate acetyltransferase; <b>PDBTitle:</b> structural comparison between aspergillus fumigatus and2 human gna1
62	<a href="#">d1cjwa</a>	Alignment	not modelled	99.7	<b>Fold:</b> Acyl-CoA N-acyltransferases (Nat) <b>Superfamily:</b> Acyl-CoA N-acyltransferases (Nat) <b>Family:</b> N-acetyl transferase, NAT
63	<a href="#">d1qsma</a>	Alignment	not modelled	99.7	<b>Fold:</b> Acyl-CoA N-acyltransferases (Nat) <b>Superfamily:</b> Acyl-CoA N-acyltransferases (Nat) <b>Family:</b> N-acetyl transferase, NAT
64	<a href="#">c5hgzA</a>	Alignment	not modelled	99.7	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> n-alpha-acetyltransferase 60; <b>PDBTitle:</b> crystal structure of human naa60 in complex with acetyl-coa
65	<a href="#">c2reeB</a>	Alignment	not modelled	99.7	<b>PDB header:</b> transferase, lyase <b>Chain:</b> B: <b>PDB Molecule:</b> cura; <b>PDBTitle:</b> crystal structure of the loading gnat1 domain of cura from lyngbya2 majuscula
66	<a href="#">c4hnyB</a>	Alignment	not modelled	99.7	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> n-terminal acetyltransferase a complex catalytic subunit <b>PDBTitle:</b> apo n-terminal acetyltransferase complex a
67	<a href="#">c4e2aA</a>	Alignment	not modelled	99.7	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> putative acetyltransferase; <b>PDBTitle:</b> crystal structure of the putative acetyltransferase from streptococcus2 mutans
68	<a href="#">d1n71a</a>	Alignment	not modelled	99.7	<b>Fold:</b> Acyl-CoA N-acyltransferases (Nat) <b>Superfamily:</b> Acyl-CoA N-acyltransferases (Nat) <b>Family:</b> N-acetyl transferase, NAT
69	<a href="#">c3r1kA</a>	Alignment	not modelled	99.7	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> enhanced intracellular survival protein; <b>PDBTitle:</b> crystal structure of acetyltransferase eis from mycobacterium2 tuberculosis h37rv in complex with coa and an acetamide moiety
70	<a href="#">c2jlmE</a>	Alignment	not modelled	99.7	<b>PDB header:</b> transferase <b>Chain:</b> E: <b>PDB Molecule:</b> putative phosphinothricin n-acetyltransferase; <b>PDBTitle:</b> structure of a putative acetyltransferase (aciad1637) from2 acinetobacter baylyi adp1
71	<a href="#">c3jvnA</a>	Alignment	not modelled	99.7	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> acetyltransferase; <b>PDBTitle:</b> crystal structure of the acetyltransferase vf_1542 from vibrio2 fischeri, northeast structural genomics consortium target vfr136
72	<a href="#">c5f46A</a>	Alignment	not modelled	99.7	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> aminoglycoside acetyltransferase meta-aac0020; <b>PDBTitle:</b> crystal structure of an aminoglycoside acetyltransferase meta-aac00202 from an uncultured soil metagenomic sample, apoenzyme form
73	<a href="#">c4my3A</a>	Alignment	not modelled	99.7	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> gcn5-related n-acetyltransferase; <b>PDBTitle:</b> crystal structure of gcn5-related n-acetyltransferase from kribbellia2 flavida
74	<a href="#">c4ag9B</a>	Alignment	not modelled	99.7	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> glucosamine-6-phosphate n-acetyltransferase; <b>PDBTitle:</b> c. elegans glucosamine-6-phosphate n-acetyltransferase (gna1):2 ternary complex with coenzyme a and glcnac
75	<a href="#">d1qsra</a>	Alignment	not modelled	99.7	<b>Fold:</b> Acyl-CoA N-acyltransferases (Nat) <b>Superfamily:</b> Acyl-CoA N-acyltransferases (Nat) <b>Family:</b> N-acetyl transferase, NAT
76	<a href="#">c3dsbB</a>	Alignment	not modelled	99.7	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> putative acetyltransferase; <b>PDBTitle:</b> the crystal structure of a possible acetyltransferase from clostridium2 difficile 630
77	<a href="#">c4ua3A</a>	Alignment	not modelled	99.7	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> uncharacterized n-acetyltransferase c825.04c;

						<b>PDBTitle:</b> crystal structure of selenomethionine labeled spnataid
78	<a href="#">c2hv2D_</a>	Alignment	not modelled	99.6	12	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> D: <b>PDB Molecule:</b> hypothetical protein; <b>PDBTitle:</b> crystal structure of conserved protein of unknown function from2 enterococcus faecalis v583 at 2.4 a resolution, probable n-3 acyltransferase
79	<a href="#">c3sxnC_</a>	Alignment	not modelled	99.6	18	<b>PDB header:</b> transferase <b>Chain:</b> C: <b>PDB Molecule:</b> enhanced intracellular survival protein; <b>PDBTitle:</b> mycobacterium tuberculosis eis protein initiates modulation of host2 immune responses by acetylation of dusp16/mkp-7
80	<a href="#">c3te4A_</a>	Alignment	not modelled	99.6	14	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> dopamine n acetyltransferase, isoform a; <b>PDBTitle:</b> crystal structure of dopamine n acetyltransferase in complex with2 acetyl-coa from drosophila melanogaster
81	<a href="#">c2pc1A_</a>	Alignment	not modelled	99.6	12	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> acetyltransferase, gnat family; <b>PDBTitle:</b> crystal structure of acetyltransferase gnat family (np_688560.1) from2 streptococcus agalactiae 2603 at 1.28 a resolution
82	<a href="#">d2cy2a1</a>	Alignment	not modelled	99.6	19	<b>Fold:</b> Acyl-CoA N-acyltransferases (Nat) <b>Superfamily:</b> Acyl-CoA N-acyltransferases (Nat) <b>Family:</b> N-acetyl transferase, NAT
83	<a href="#">c2i00D_</a>	Alignment	not modelled	99.6	13	<b>PDB header:</b> transferase <b>Chain:</b> D: <b>PDB Molecule:</b> acetyltransferase, gnat family; <b>PDBTitle:</b> crystal structure of acetyltransferase (gnat family) from enterococcus2 faecalis
84	<a href="#">c5dwnC_</a>	Alignment	not modelled	99.6	16	<b>PDB header:</b> transferase <b>Chain:</b> C: <b>PDB Molecule:</b> phosphinothrinic n-acetyltransferase; <b>PDBTitle:</b> crystal structure of phosphinothrinic n-acetyltransferase from2 brucella ovis in complex with acetylcoa
85	<a href="#">c2oh1A_</a>	Alignment	not modelled	99.6	13	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> acetyltransferase, gnat family; <b>PDBTitle:</b> crystal structure of acetyltransferase gnat family (yp_013287.1) from2 listeria monocytogenes 4b f2365 at 1.46 a resolution
86	<a href="#">d1yvoa1</a>	Alignment	not modelled	99.6	17	<b>Fold:</b> Acyl-CoA N-acyltransferases (Nat) <b>Superfamily:</b> Acyl-CoA N-acyltransferases (Nat) <b>Family:</b> N-acetyl transferase, NAT
87	<a href="#">c4m85C_</a>	Alignment	not modelled	99.6	23	<b>PDB header:</b> transferase <b>Chain:</b> C: <b>PDB Molecule:</b> n-acetyltransferase; <b>PDBTitle:</b> crystal structure of n-acetyltransferase from staphylococcus aureus2 mu50
88	<a href="#">c5wjda_</a>	Alignment	not modelled	99.6	15	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> cg8481, isoform b; <b>PDBTitle:</b> crystal structure of naa80 bound to acetyl-coa
89	<a href="#">c4fd4B_</a>	Alignment	not modelled	99.6	17	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> arylalkylamine n-acetyltransferase like 5b; <b>PDBTitle:</b> crystal structure of mosquito arylalkylamine n-acetyltransferase like2 5b
90	<a href="#">c3fixA_</a>	Alignment	not modelled	99.6	12	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> n-acetyltransferase; <b>PDBTitle:</b> crystal structure of a putative n-acetyltransferase (ta0374) from2 thermoplasma acidophilum
91	<a href="#">c4kvoF_</a>	Alignment	not modelled	99.6	13	<b>PDB header:</b> transferase <b>Chain:</b> F: <b>PDB Molecule:</b> n-terminal acetyltransferase a complex catalytic subunit <b>PDBTitle:</b> the nata (naa10p/naa15p) amino-terminal acetyltransferase complex bound2 to accoa
92	<a href="#">c6ao7A_</a>	Alignment	not modelled	99.6	17	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> acetyltransferase; <b>PDBTitle:</b> crystal structure of a gnat family acetyltransferase from2 elizabethkingia anophelis with acetyl-coa bound
93	<a href="#">c5nnrB_</a>	Alignment	not modelled	99.6	15	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> naa10; <b>PDBTitle:</b> structure of naa15/naa10 bound to hypk-thb
94	<a href="#">d2ae6a1</a>	Alignment	not modelled	99.6	15	<b>Fold:</b> Acyl-CoA N-acyltransferases (Nat) <b>Superfamily:</b> Acyl-CoA N-acyltransferases (Nat) <b>Family:</b> N-acetyl transferase, NAT
95	<a href="#">d1vhxa_</a>	Alignment	not modelled	99.6	19	<b>Fold:</b> Acyl-CoA N-acyltransferases (Nat) <b>Superfamily:</b> Acyl-CoA N-acyltransferases (Nat) <b>Family:</b> N-acetyl transferase, NAT
96	<a href="#">c3n7zD_</a>	Alignment	not modelled	99.6	12	<b>PDB header:</b> transferase <b>Chain:</b> D: <b>PDB Molecule:</b> acetyltransferase, gnat family; <b>PDBTitle:</b> crystal structure of acetyltransferase from bacillus anthracis
97	<a href="#">d1q2ya_</a>	Alignment	not modelled	99.6	18	<b>Fold:</b> Acyl-CoA N-acyltransferases (Nat) <b>Superfamily:</b> Acyl-CoA N-acyltransferases (Nat) <b>Family:</b> N-acetyl transferase, NAT
98	<a href="#">c3pp9B_</a>	Alignment	not modelled	99.6	19	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> putative streptothrinic acetyltransferase; <b>PDBTitle:</b> 1.6 angstrom resolution crystal structure of putative streptothrinic2 acetyltransferase from bacillus anthracis str. ames in complex with3 acetyl coenzyme a
99	<a href="#">d1wwza1</a>	Alignment	not modelled	99.6	14	<b>Fold:</b> Acyl-CoA N-acyltransferases (Nat) <b>Superfamily:</b> Acyl-CoA N-acyltransferases (Nat) <b>Family:</b> N-acetyl transferase, NAT
100	<a href="#">c2x7bA_</a>	Alignment	not modelled	99.6	12	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> n-acetyltransferase sso0209; <b>PDBTitle:</b> crystal structure of the n-terminal acetylase ard1 from2 sulfolobus solfataricus p2
101	<a href="#">c3fnca_</a>	Alignment	not modelled	99.6	22	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> putative acetyltransferase; <b>PDBTitle:</b> crystal structure of a putative acetyltransferase from listeria2 innocua
102	<a href="#">c3dr8R</a>	Alignment	not modelled	99.6	19	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> ynca;

102	<a href="#">c5u10B</a>	Alignment	not modelled	99.6	19	<b>PDBTitle:</b> structure of ynca, a putative acetyltransferase from salmonella2 typhimurium with its cofactor acetyl-coa
103	<a href="#">d2g3aa1</a>	Alignment	not modelled	99.6	21	<b>Fold:</b> Acyl-CoA N-acyltransferases (Nat) <b>Superfamily:</b> Acyl-CoA N-acyltransferases (Nat) <b>Family:</b> N-acetyl transferase, NAT
104	<a href="#">c4jxqA</a>	Alignment	not modelled	99.6	14	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> acetyltransferase; <b>PDBTitle:</b> crystal structure of a gnat superfamily phosphinothricin2 acetyltransferase (pat) from sinorhizobium meliloti 1021
105	<a href="#">c5k9nB</a>	Alignment	not modelled	99.6	22	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> polyamine n acetyltransferase; <b>PDBTitle:</b> structural and mechanistic analysis of drosophila melanogaster2 polyamine n acetyltransferase, an enzyme that catalyzes the formation3 of n acetylglamatine
106	<a href="#">d2jdca1</a>	Alignment	not modelled	99.6	8	<b>Fold:</b> Acyl-CoA N-acyltransferases (Nat) <b>Superfamily:</b> Acyl-CoA N-acyltransferases (Nat) <b>Family:</b> N-acetyl transferase, NAT
107	<a href="#">c4mbuB</a>	Alignment	not modelled	99.6	15	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> similar to n-acetyltransferase; <b>PDBTitle:</b> crystal structure of n-acetyltransferase from staphylococcus aureus2 mu50
108	<a href="#">d1z4ra1</a>	Alignment	not modelled	99.6	13	<b>Fold:</b> Acyl-CoA N-acyltransferases (Nat) <b>Superfamily:</b> Acyl-CoA N-acyltransferases (Nat) <b>Family:</b> N-acetyl transferase, NAT
109	<a href="#">d1y9ka1</a>	Alignment	not modelled	99.6	20	<b>Fold:</b> Acyl-CoA N-acyltransferases (Nat) <b>Superfamily:</b> Acyl-CoA N-acyltransferases (Nat) <b>Family:</b> N-acetyl transferase, NAT
110	<a href="#">c4h89A</a>	Alignment	not modelled	99.6	18	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> gcn5-related n-acetyltransferase; <b>PDBTitle:</b> the structure of a gcn5-related n-acetyltransferase from kribbella2 flava
111	<a href="#">c5jtFB</a>	Alignment	not modelled	99.6	18	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> putative phosphinothricin n-acetyltransferase; <b>PDBTitle:</b> crystal structure of arsn n-acetyltransferase from pseudomonas putida2 kt2440
112	<a href="#">d1yvka1</a>	Alignment	not modelled	99.6	17	<b>Fold:</b> Acyl-CoA N-acyltransferases (Nat) <b>Superfamily:</b> Acyl-CoA N-acyltransferases (Nat) <b>Family:</b> N-acetyl transferase, NAT
113	<a href="#">d2fl4a1</a>	Alignment	not modelled	99.6	13	<b>Fold:</b> Acyl-CoA N-acyltransferases (Nat) <b>Superfamily:</b> Acyl-CoA N-acyltransferases (Nat) <b>Family:</b> N-acetyl transferase, NAT
114	<a href="#">c3t9yA</a>	Alignment	not modelled	99.6	8	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> acetyltransferase, gnat family; <b>PDBTitle:</b> crystal structure of gnat family acetyltransferase staphylococcus2 aureus subsp. aureus usa300_tch1516
115	<a href="#">c4u5yA</a>	Alignment	not modelled	99.6	17	<b>PDB header:</b> ligase <b>Chain:</b> A: <b>PDB Molecule:</b> acyl-coa synthetase; <b>PDBTitle:</b> 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
116	<a href="#">c5t7eD</a>	Alignment	not modelled	99.6	20	<b>PDB header:</b> transferase <b>Chain:</b> D: <b>PDB Molecule:</b> phosphinothricin n-acetyltransferase; <b>PDBTitle:</b> crystal structure of streptomyces hygroscopicus bialaphos resistance2 (bar) protein in complex with coenzyme a and l-phosphinothricin
117	<a href="#">c5icwB</a>	Alignment	not modelled	99.6	13	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> n-alpha-acetyltransferase 60; <b>PDBTitle:</b> crystal structure of human natf (hnaa60) homodimer bound to coenzyme a
118	<a href="#">d2i6ca1</a>	Alignment	not modelled	99.6	16	<b>Fold:</b> Acyl-CoA N-acyltransferases (Nat) <b>Superfamily:</b> Acyl-CoA N-acyltransferases (Nat) <b>Family:</b> N-acetyl transferase, NAT
119	<a href="#">d1cm0a</a>	Alignment	not modelled	99.6	13	<b>Fold:</b> Acyl-CoA N-acyltransferases (Nat) <b>Superfamily:</b> Acyl-CoA N-acyltransferases (Nat) <b>Family:</b> N-acetyl transferase, NAT
120	<a href="#">c3k9uA</a>	Alignment	not modelled	99.5	10	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> paia acetyltransferase; <b>PDBTitle:</b> crystal structure of paia acetyltransferase (ta0374) from thermoplasma2 acidophilum