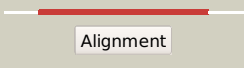

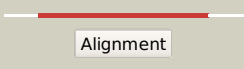

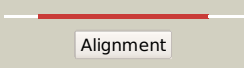

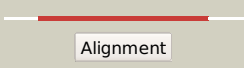

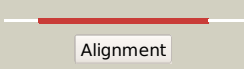

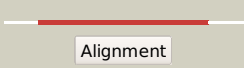

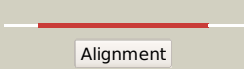
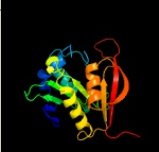
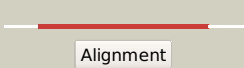

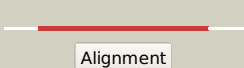

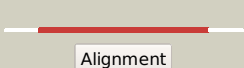

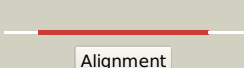



# Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD0995_(rimj)_1111616_1112227
Date	Wed Jul 31 22:05:06 BST 2019
Unique Job ID	e7625bf06e8b7a96

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	<a href="#">c6c37A_</a>	 Alignment		100.0	75	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> acetyltransferase, gnat family protein; <b>PDBTitle:</b> mycobacterium smegmatis rimj in complex with coa-disulfide
2	<a href="#">c3igrA_</a>	 Alignment		100.0	24	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> ribosomal-protein-s5-alanine n-acetyltransferase; <b>PDBTitle:</b> the crystal structure of ribosomal-protein-s5-alanine2 acetyltransferase from vibrio fischeri to 2.0a
3	<a href="#">c3tcvB_</a>	 Alignment		100.0	16	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> gcn5-related n-acetyltransferase; <b>PDBTitle:</b> crystal structure of a gcn5-related n-acetyltransferase from brucella2 melitensis
4	<a href="#">c2vzzA_</a>	 Alignment		100.0	19	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> rv0802c; <b>PDBTitle:</b> crystal structure of rv0802c from mycobacterium2 tuberculosis in complex with succinyl-coa
5	<a href="#">d1yrea1</a>	 Alignment		100.0	23	<b>Fold:</b> Acyl-CoA N-acyltransferases (Nat) <b>Superfamily:</b> Acyl-CoA N-acyltransferases (Nat) <b>Family:</b> N-acetyl transferase, NAT
6	<a href="#">c2zxvD_</a>	 Alignment		100.0	23	<b>PDB header:</b> transferase <b>Chain:</b> D: <b>PDB Molecule:</b> putative uncharacterized protein ttha1799; <b>PDBTitle:</b> crystal structure of putative acetyltransferase from t.2 thermophilus hb8
7	<a href="#">c2zw7A_</a>	 Alignment		100.0	20	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> bleomycin acetyltransferase; <b>PDBTitle:</b> crystal structure of bleomycin n-acetyltransferase complexed2 with bleomycin a2 and coenzyme a
8	<a href="#">c3r95A_</a>	 Alignment		100.0	16	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> mcce protein; <b>PDBTitle:</b> crystal structure of microcin c7 self immunity acetyltransferase mcce2 in complex with acetyl-coa
9	<a href="#">d1nsla_</a>	 Alignment		100.0	24	<b>Fold:</b> Acyl-CoA N-acyltransferases (Nat) <b>Superfamily:</b> Acyl-CoA N-acyltransferases (Nat) <b>Family:</b> N-acetyl transferase, NAT
10	<a href="#">d2fcka1</a>	 Alignment		100.0	16	<b>Fold:</b> Acyl-CoA N-acyltransferases (Nat) <b>Superfamily:</b> Acyl-CoA N-acyltransferases (Nat) <b>Family:</b> N-acetyl transferase, NAT
11	<a href="#">c3owcA_</a>	 Alignment		100.0	22	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> probable acetyltransferase; <b>PDBTitle:</b> crystal structure of gnat superfamily protein pa2578 from pseudomonas2 aeruginosa

12	<a href="#">c3pzjB_</a>	Alignment		100.0	18	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> probable acetyltransferases; <b>PDBTitle:</b> crystal structure of a probable acetyltransferases (gnat family) from2 chromobacterium violaceum atcc 12472
13	<a href="#">c3fbuB_</a>	Alignment		100.0	22	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> acetyltransferase, gnat family; <b>PDBTitle:</b> the crystal structure of the acetyltransferase (gnat family) from2 bacillus anthracis
14	<a href="#">c3eg7F_</a>	Alignment		100.0	17	<b>PDB header:</b> transferase <b>Chain:</b> F: <b>PDB Molecule:</b> spermidine n1-acetyltransferase; <b>PDBTitle:</b> spermidine n1-acetyltransferase from vibrio cholerae
15	<a href="#">c1s7fA_</a>	Alignment		100.0	19	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> acetyl transferase; <b>PDBTitle:</b> riml- ribosomal l7/l12 alpha-n-protein acetyltransferase crystal form2 i (apo)
16	<a href="#">c4r9mC_</a>	Alignment		100.0	20	<b>PDB header:</b> transferase <b>Chain:</b> C: <b>PDB Molecule:</b> spermidine n(1)-acetyltransferase; <b>PDBTitle:</b> crystal structure of spermidine n-acetyltransferase from escherichia2 coli
17	<a href="#">c5ix3A_</a>	Alignment		100.0	15	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> diamine n-acetyltransferase; <b>PDBTitle:</b> crystal structure of n-acetyltransferase from staphylococcus aureus.
18	<a href="#">d1s7ka1</a>	Alignment		100.0	21	<b>Fold:</b> Acyl-CoA N-acyltransferases (Nat) <b>Superfamily:</b> Acyl-CoA N-acyltransferases (Nat) <b>Family:</b> N-acetyl transferase, NAT
19	<a href="#">c6eddB_</a>	Alignment		100.0	18	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> acetyltransferase pa3944; <b>PDBTitle:</b> crystal structure of a gnat superfamily pa3944 acetyltransferase in2 complex with coa (p1 space group)
20	<a href="#">c4ri1A_</a>	Alignment		100.0	14	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> udp-4-amino-4,6-dideoxy-n-acetyl-beta-l-altrosamine n- <b>PDBTitle:</b> crystal structure of helicobacter pylori pseudaminic acid biosynthesis2 n -acetyltransferase pseh complex with acetyl-coa
21	<a href="#">c2vi7C_</a>	Alignment	not modelled	100.0	26	<b>PDB header:</b> transferase <b>Chain:</b> C: <b>PDB Molecule:</b> acetyltransferase pa1377; <b>PDBTitle:</b> structure of a putative acetyltransferase (pa1377)from pseudomonas2 aeruginosa
22	<a href="#">c3tthL_</a>	Alignment	not modelled	99.9	17	<b>PDB header:</b> transferase <b>Chain:</b> L: <b>PDB Molecule:</b> spermidine n1-acetyltransferase; <b>PDBTitle:</b> structure of the spermidine n1-acetyltransferase (speg) from coxiella2 burnetii
23	<a href="#">c6erdD_</a>	Alignment	not modelled	99.9	17	<b>PDB header:</b> transferase <b>Chain:</b> D: <b>PDB Molecule:</b> aminoglycoside n6'-acetyltransferase; <b>PDBTitle:</b> crystal structure of a putative acetyltransferase from bacillus cereus2 species.
24	<a href="#">c4qc6A_</a>	Alignment	not modelled	99.9	14	<b>PDB header:</b> transferase/antibiotic <b>Chain:</b> A: <b>PDB Molecule:</b> bifunctional aac/aph; <b>PDBTitle:</b> crystal structure of aminoglycoside 6'-acetyltransferase-ie
25	<a href="#">c5ktaA_</a>	Alignment	not modelled	99.9	11	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> fdhc; <b>PDBTitle:</b> apo fdhc- a nucleotide-linked sugar gnat
26	<a href="#">c6bffB_</a>	Alignment	not modelled	99.9	16	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> aminoglycoside acetyltransferase; <b>PDBTitle:</b> structure of the aminoglycoside acetyltransferase aac(6')-im
27	<a href="#">d2ge3a1</a>	Alignment	not modelled	99.9	22	<b>Fold:</b> Acyl-CoA N-acyltransferases (Nat) <b>Superfamily:</b> Acyl-CoA N-acyltransferases (Nat) <b>Family:</b> N-acetyl transferase, NAT
28	<a href="#">c2fsrA_</a>	Alignment	not modelled	99.9	20	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> acetyltransferase; <b>PDBTitle:</b> crystal structure of the acetyltransferase from agrobacterium2 tumefaciens str. c58
						<b>PDB header:</b> transferase

29	<a href="#">c2i79B_</a>	Alignment	not modelled	99.9	13	<b>Chain:</b> B: <b>PDB Molecule:</b> acetyltransferase, gnat family; <b>PDBTitle:</b> the crystal structure of the acetyltransferase of gnat family from2 streptococcus pneumoniae
30	<a href="#">c5t7eD_</a>	Alignment	not modelled	99.9	17	<b>PDB header:</b> transferase <b>Chain:</b> D: <b>PDB Molecule:</b> phosphinothricin n-acetyltransferase; <b>PDBTitle:</b> crystal structure of streptomyces hygrosopicus bialaphos resistance2 (bar) protein in complex with coenzyme a and l-phosphinothricin
31	<a href="#">c3dr8B_</a>	Alignment	not modelled	99.9	16	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> ynca; <b>PDBTitle:</b> structure of ynca, a putative acetyltransferase from salmonella2 typhimurium with its cofactor acetyl-coa
32	<a href="#">c3dnsA_</a>	Alignment	not modelled	99.9	12	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> ribosomal-protein-alanine acetyltransferase; <b>PDBTitle:</b> the n-terminal domain of ribosomal-protein-alanine acetyltransferase2 from clostridium acetobutylicum atcc 824
33	<a href="#">c3juwC_</a>	Alignment	not modelled	99.9	21	<b>PDB header:</b> transferase <b>Chain:</b> C: <b>PDB Molecule:</b> probable gnat-family acetyltransferase; <b>PDBTitle:</b> putative gnat-family acetyltransferase from bordetella pertussis.
34	<a href="#">d1yvoa1</a>	Alignment	not modelled	99.9	16	<b>Fold:</b> Acyl-CoA N-acyltransferases (Nat) <b>Superfamily:</b> Acyl-CoA N-acyltransferases (Nat) <b>Family:</b> N-acetyl transferase, NAT
35	<a href="#">c2jlmE_</a>	Alignment	not modelled	99.9	13	<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
36	<a href="#">c5jtfB_</a>	Alignment	not modelled	99.9	17	<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
37	<a href="#">c4jxqA_</a>	Alignment	not modelled	99.9	16	<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
38	<a href="#">d2fsra1</a>	Alignment	not modelled	99.9	19	<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="#">d1vhsa_</a>	Alignment	not modelled	99.9	19	<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="#">c5dwnC_</a>	Alignment	not modelled	99.9	12	<b>PDB header:</b> transferase <b>Chain:</b> C: <b>PDB Molecule:</b> phosphinothricin n-acetyltransferase; <b>PDBTitle:</b> crystal structure of phosphinothricin n-acetyltransferase from2 brucella ovis in complex with acetylcoa
41	<a href="#">d1yr0a1</a>	Alignment	not modelled	99.9	19	<b>Fold:</b> Acyl-CoA N-acyltransferases (Nat) <b>Superfamily:</b> Acyl-CoA N-acyltransferases (Nat) <b>Family:</b> N-acetyl transferase, NAT
42	<a href="#">c2qmlA_</a>	Alignment	not modelled	99.9	11	<b>PDB header:</b> unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> bh2621 protein; <b>PDBTitle:</b> crystal structure of an uncharacterized protein (bh2621) from bacillus2 halodurans at 1.55 a resolution
43	<a href="#">c4j3gD_</a>	Alignment	not modelled	99.9	21	<b>PDB header:</b> transferase <b>Chain:</b> D: <b>PDB Molecule:</b> gcn5-related n-acetyltransferase; <b>PDBTitle:</b> crystal structure of ribosomal-protein-alanine n-acetyltransferase2 from brucella melitensis
44	<a href="#">d2ae6a1</a>	Alignment	not modelled	99.9	13	<b>Fold:</b> Acyl-CoA N-acyltransferases (Nat) <b>Superfamily:</b> Acyl-CoA N-acyltransferases (Nat) <b>Family:</b> N-acetyl transferase, NAT
45	<a href="#">c4mbuB_</a>	Alignment	not modelled	99.9	18	<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
46	<a href="#">d2i6ca1</a>	Alignment	not modelled	99.9	17	<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="#">c3ld2B_</a>	Alignment	not modelled	99.9	13	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> putative acetyltransferase; <b>PDBTitle:</b> the crystal structure of smu.2055 from streptococcus mutans ua159
48	<a href="#">d1yk3a1</a>	Alignment	not modelled	99.9	14	<b>Fold:</b> Acyl-CoA N-acyltransferases (Nat) <b>Superfamily:</b> Acyl-CoA N-acyltransferases (Nat) <b>Family:</b> N-acetyl transferase, NAT
49	<a href="#">c4h89A_</a>	Alignment	not modelled	99.9	14	<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 flavida
50	<a href="#">c2pr8B_</a>	Alignment	not modelled	99.9	15	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> aminoglycoside 6-n-acetyltransferase type ib11; <b>PDBTitle:</b> crystal structure of aminoglycoside n-acetyltransferase2 aac(6')-ib11
51	<a href="#">c3g8wB_</a>	Alignment	not modelled	99.8	7	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> lactococcal prophage ps3 protein 05; <b>PDBTitle:</b> crystal structure of a probable acetyltransferase from staphylococcus2 epidermidis atcc 12228
52	<a href="#">c3f5ba_</a>	Alignment	not modelled	99.8	7	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> aminoglycoside n(6')acetyltransferase; <b>PDBTitle:</b> the crystal structure of aminoglycoside n(6')acetyltransferase from2 legionella pneumophila subsp. pneumophila str. philadelphia 1.
53	<a href="#">c3eo4A_</a>	Alignment	not modelled	99.8	9	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> uncharacterized protein mj1062; <b>PDBTitle:</b> the crystal structure of a domain from methanocaldococcus jannaschii2 dsm 2661

54	<a href="#">d2cy2a1</a>	Alignment	not modelled	99.8	12	<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="#">c4luaA</a>	Alignment	not modelled	99.8	9	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> n-acetyltransferase; <b>PDBTitle:</b> crystal structure of n-acetyltransferase from staphylococcus aureus2 mu50
56	<a href="#">c4u5yA</a>	Alignment	not modelled	99.8	16	<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
57	<a href="#">c3d3sA</a>	Alignment	not modelled	99.8	19	<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="#">c2pswA</a>	Alignment	not modelled	99.8	13	<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
59	<a href="#">c5hgza</a>	Alignment	not modelled	99.8	14	<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
60	<a href="#">d1ghea</a>	Alignment	not modelled	99.8	15	<b>Fold:</b> Acyl-CoA N-acyltransferases (Nat) <b>Superfamily:</b> Acyl-CoA N-acyltransferases (Nat) <b>Family:</b> N-acetyl transferase, NAT
61	<a href="#">c4xplA</a>	Alignment	not modelled	99.8	11	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> n-acetyltransferase, pseh; <b>PDBTitle:</b> the crystal structure of campylobacter jejuni n-acetyltransferase pseh2 in complex with acetyl coenzyme a
62	<a href="#">c5icwB</a>	Alignment	not modelled	99.7	12	<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
63	<a href="#">c3w6sA</a>	Alignment	not modelled	99.7	13	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> mpr1 protein; <b>PDBTitle:</b> yeast n-acetyltransferasempr1 involved in oxidative stress tolerance2 via proline metabolism
64	<a href="#">c2cntD</a>	Alignment	not modelled	99.7	17	<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 coenzyme a.
65	<a href="#">d1tiqa</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> N-acetyl transferase, NAT
66	<a href="#">c3c26A</a>	Alignment	not modelled	99.7	12	<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) from2 thermoplasma acidophilum at 2.00 a resolution
67	<a href="#">c3exnA</a>	Alignment	not modelled	99.7	18	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> probable acetyltransferase; <b>PDBTitle:</b> crystal structure of acetyltransferase from thermus thermophilus hb8
68	<a href="#">d2fl4a1</a>	Alignment	not modelled	99.7	17	<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="#">c4e2aA</a>	Alignment	not modelled	99.7	16	<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
70	<a href="#">c1ufhB</a>	Alignment	not modelled	99.7	16	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> B: <b>PDB Molecule:</b> yycn protein; <b>PDBTitle:</b> structure of putative acetyltransferase, yycn protein of bacillus2 subtilis
71	<a href="#">d1qsmA</a>	Alignment	not modelled	99.7	14	<b>Fold:</b> Acyl-CoA N-acyltransferases (Nat) <b>Superfamily:</b> Acyl-CoA N-acyltransferases (Nat) <b>Family:</b> N-acetyl transferase, NAT
72	<a href="#">c3pp9B</a>	Alignment	not modelled	99.7	14	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> putative streptothricin acetyltransferase; <b>PDBTitle:</b> 1.6 angstrom resolution crystal structure of putative streptothricin2 acetyltransferase from bacillus anthracis str. ames in complex with3 acetyl coenzyme a
73	<a href="#">c4orfA</a>	Alignment	not modelled	99.7	19	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> acetyltransferase pat; <b>PDBTitle:</b> camp-binding acyltransferase from mycobacterium smegmatis, mutant r95k
74	<a href="#">c3fixA</a>	Alignment	not modelled	99.7	11	<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
75	<a href="#">d1ufha</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
76	<a href="#">c2r7hA</a>	Alignment	not modelled	99.6	14	<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
77	<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
78	<a href="#">c3f8kA</a>	Alignment	not modelled	99.6	18	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> protein acetyltransferase;

78	<a href="#">c3t8A</a>	Alignment	not modelled	99.6	10	<b>PDBTitle:</b> crystal structure of protein acetyltransferase (pat) from <i>sulfolobus2 solfataricus</i> <b>PDB header:</b> transferase
79	<a href="#">c3k9uA</a>	Alignment	not modelled	99.6	11	<b>Chain:</b> A; <b>PDB Molecule:</b> paia acetyltransferase; <b>PDBTitle:</b> crystal structure of paia acetyltransferase (ta0374) from <i>thermoplasma2 acidophilum</i>
80	<a href="#">c2x7bA</a>	Alignment	not modelled	99.6	19	<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 <i>sulfolobus solfataricus p2</i>
81	<a href="#">c6c95B</a>	Alignment	not modelled	99.6	14	<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
82	<a href="#">c4e0aB</a>	Alignment	not modelled	99.6	12	<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 <i>bacillus2 halodurans</i> , northeast structural genomics consortium (nesg) target3 bhr182
83	<a href="#">c3dsbB</a>	Alignment	not modelled	99.6	12	<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 <i>clostridium2 difficile 630</i>
84	<a href="#">c3fncA</a>	Alignment	not modelled	99.6	11	<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 <i>listeria2 innocua</i>
85	<a href="#">c5o7oB</a>	Alignment	not modelled	99.6	11	<b>PDB header:</b> biosynthetic protein <b>Chain:</b> B; <b>PDB Molecule:</b> desferrioxamine siderophore biosynthesis protein dfoc; <b>PDBTitle:</b> the crystal structure of dfoc, the desferrioxamine biosynthetic2 pathway acetyltransferase/non-ribosomal peptide synthetase (nrps)-3 independent siderophore (nis) from the fire blight disease pathogen4 <i>erwinia amylovora</i>
86	<a href="#">c4avcA</a>	Alignment	not modelled	99.6	16	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> lysine acetyltransferase; <b>PDBTitle:</b> crystal structure of protein lysine acetyltransferase rv09982 in complex with acetyl coa and camp
87	<a href="#">c4pv6E</a>	Alignment	not modelled	99.6	19	<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 <i>thermoplasma volcanium</i>
88	<a href="#">d1s3za</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
89	<a href="#">c2oh1A</a>	Alignment	not modelled	99.5	10	<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 <i>listeria monocytogenes 4b f2365</i> at 1.46 a resolution
90	<a href="#">c4kvoF</a>	Alignment	not modelled	99.5	14	<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 acetyltrasferase complex bound2 to accoa
91	<a href="#">d2beia1</a>	Alignment	not modelled	99.5	11	<b>Fold:</b> Acyl-CoA N-acyltransferases (Nat) <b>Superfamily:</b> Acyl-CoA N-acyltransferases (Nat) <b>Family:</b> N-acetyl transferase, NAT
92	<a href="#">c2dxqA</a>	Alignment	not modelled	99.5	17	<b>PDB header:</b> transferase <b>Chain:</b> A; <b>PDB Molecule:</b> acetyltransferase; <b>PDBTitle:</b> putative acetyltransferase from <i>agrobacterium tumefaciens str. c58</i>
93	<a href="#">c5f46A</a>	Alignment	not modelled	99.5	9	<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
94	<a href="#">c5k18D</a>	Alignment	not modelled	99.5	15	<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
95	<a href="#">d1mk4a</a>	Alignment	not modelled	99.5	16	<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="#">c6ao7A</a>	Alignment	not modelled	99.5	15	<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 <i>elizabethkingia anophelis</i> with acetyl-coa bound
97	<a href="#">d2fiaa1</a>	Alignment	not modelled	99.5	6	<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="#">c4e8oB</a>	Alignment	not modelled	99.5	15	<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 <i>acinetobacter baumannii</i>
99	<a href="#">c3i9sA</a>	Alignment	not modelled	99.5	13	<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 <i>v.cholerae</i> . integron2 cassette protein vch_cass6
100	<a href="#">c4hnyB</a>	Alignment	not modelled	99.5	13	<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
101	<a href="#">c4ua3A</a>	Alignment	not modelled	99.5	10	<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 spnatd

102	<a href="#">d2fiwa1</a>	Alignment	not modelled	99.5	16	<b>Fold:</b> Acyl-CoA N-acyltransferases (Nat) <b>Superfamily:</b> Acyl-CoA N-acyltransferases (Nat) <b>Family:</b> N-acetyl transferase, NAT
103	<a href="#">c2r1iB_</a>	Alignment	not modelled	99.5	15	<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) from <i>2</i> arthrobacter sp. fb24 at 1.65 a resolution
104	<a href="#">c3zj0A_</a>	Alignment	not modelled	99.5	20	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> acetyltransferase; <b>PDBTitle:</b> the human o-glcnaCase c-terminal domain is a pseudo histone2 acetyltransferase
105	<a href="#">c2reeB_</a>	Alignment	not modelled	99.5	13	<b>PDB header:</b> transferase, lyase <b>Chain:</b> B: <b>PDB Molecule:</b> cura; <b>PDBTitle:</b> crystal structure of the loading gnatI domain of cura from <i>lyngbya2</i> majuscula
106	<a href="#">c3d8pB_</a>	Alignment	not modelled	99.5	11	<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) <sup>2</sup> from <i>staphylococcus aureus</i> mu50 at 2.20 a resolution
107	<a href="#">c2pdoG_</a>	Alignment	not modelled	99.5	19	<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 family <sup>2</sup> from <i>shigella flexneri</i>
108	<a href="#">c4ubrA_</a>	Alignment	not modelled	99.5	16	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> putative acetyltransferase; <b>PDBTitle:</b> crystal structure of <i>pseudomonas aeruginosa</i> n-acetyltransferase pa4534
109	<a href="#">d2b5ga1</a>	Alignment	not modelled	99.5	11	<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="#">c5nnrB_</a>	Alignment	not modelled	99.5	16	<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
111	<a href="#">c2kcwA_</a>	Alignment	not modelled	99.5	18	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> uncharacterized acetyltransferase yjab; <b>PDBTitle:</b> solution structure of apo-form yjab from <i>escherichia coli</i>
112	<a href="#">d1z4ea1</a>	Alignment	not modelled	99.4	12	<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="#">c2q0yA_</a>	Alignment	not modelled	99.4	14	<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) <sup>2</sup> from <i>ralstonia eutropha</i> jmp134 at 1.80 a resolution
114	<a href="#">c4bmhA_</a>	Alignment	not modelled	99.4	16	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> acetyltransferase; <b>PDBTitle:</b> crystal structure of sshot
115	<a href="#">d1wwza1</a>	Alignment	not modelled	99.4	16	<b>Fold:</b> Acyl-CoA N-acyltransferases (Nat) <b>Superfamily:</b> Acyl-CoA N-acyltransferases (Nat) <b>Family:</b> N-acetyl transferase, NAT
116	<a href="#">d1u6ma_</a>	Alignment	not modelled	99.4	16	<b>Fold:</b> Acyl-CoA N-acyltransferases (Nat) <b>Superfamily:</b> Acyl-CoA N-acyltransferases (Nat) <b>Family:</b> N-acetyl transferase, NAT
117	<a href="#">d2euia1</a>	Alignment	not modelled	99.4	12	<b>Fold:</b> Acyl-CoA N-acyltransferases (Nat) <b>Superfamily:</b> Acyl-CoA N-acyltransferases (Nat) <b>Family:</b> N-acetyl transferase, NAT
118	<a href="#">c3iwgB_</a>	Alignment	not modelled	99.4	16	<b>PDB header:</b> transferase <b>Chain:</b> B: <b>PDB Molecule:</b> acetyltransferase, gnat family; <b>PDBTitle:</b> acetyltransferase from gnat family from <i>colwellia psycherythraea</i> .
119	<a href="#">c3lodA_</a>	Alignment	not modelled	99.4	13	<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 from <i>2</i> klebsiella pneumoniae subsp.pneumoniae mgh 78578
120	<a href="#">d1sqha_</a>	Alignment	not modelled	99.4	15	<b>Fold:</b> Acyl-CoA N-acyltransferases (Nat) <b>Superfamily:</b> Acyl-CoA N-acyltransferases (Nat) <b>Family:</b> Hypothetical protein cg14615-pa