

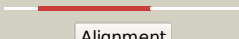

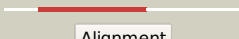












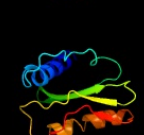








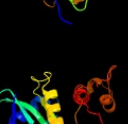



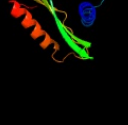


Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD3027c_(-)_3386085_3386930
Date	Thu Aug 8 16:20:20 BST 2019
Unique Job ID	38f9dfcf46c9adf0

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c5w8cA_	 Alignment		100.0	18	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
2	d1ro5a_	 Alignment		100.0	18	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: Autoinducer synthetase
3	c3p2fA_	 Alignment		99.9	20	PDB header: signaling protein Chain: A; PDB Molecule: ahl synthase; PDBTitle: crystal structure of tofi in an apo form
4	d1kzfa_	 Alignment		99.9	16	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: Autoinducer synthetase
5	c2g0bG_	 Alignment		99.8	20	PDB header: transferase Chain: G; PDB Molecule: feem; PDBTitle: the structure of feem, an n-acyl amino acid synthase from uncultured2 soil microbes
6	d1q2ya_	 Alignment		99.6	19	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
7	c3efaA_	 Alignment		99.5	21	PDB header: transferase Chain: A; PDB Molecule: putative acetyltransferase; PDBTitle: crystal structure of putative n-acetyltransferase from lactobacillus2 plantarum
8	d1xeba_	 Alignment		99.2	21	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
9	c5z6nA_	 Alignment		99.1	25	PDB header: transferase Chain: A; PDB Molecule: protein elaa; PDBTitle: crystal structure of escherichia coli elaa
10	d2jdca1	 Alignment		98.8	12	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
11	c3lodA_	 Alignment		98.2	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

12	c2q7bA	Alignment		98.2	8	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
13	c3d8pB	Alignment		98.2	11	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
14	c2r98A	Alignment		98.1	17	PDB header: transferase Chain: A: PDB Molecule: putative acetylglutamate synthase; PDBTitle: crystal structure of n-acetylglutamate synthase (selenomet2 substituted) from neisseria gonorrhoeae
15	d1z4ra1	Alignment		98.1	22	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
16	c2reeB	Alignment		98.0	16	PDB header: transferase, lyase Chain: B: PDB Molecule: cura; PDBTitle: crystal structure of the loading gnatI domain of cura from lynngbya2 majuscula
17	d1qgra	Alignment		98.0	17	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
18	c1ib1E	Alignment		98.0	13	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
19	c3mgdB	Alignment		98.0	5	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
20	c3sxnC	Alignment		97.9	18	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
21	c4e2aA	Alignment	not modelled	97.9	14	PDB header: transferase Chain: A: PDB Molecule: putative acetyltransferase; PDBTitle: crystal structure of the putative acetyltransferase from streptococcus2 mutans
22	c3te4A	Alignment	not modelled	97.9	13	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
23	c2i00D	Alignment	not modelled	97.9	12	PDB header: transferase Chain: D: PDB Molecule: acetyltransferase, gnat family; PDBTitle: crystal structure of acetyltransferase (gnat family) from enterococcus2 faecalis
24	d1cm0a	Alignment	not modelled	97.8	15	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
25	c5wjdB	Alignment	not modelled	97.8	13	PDB header: transferase Chain: A: PDB Molecule: cg8481, isoform b; PDBTitle: crystal structure of naa80 bound to acetyl-coa
26	c2q0yA	Alignment	not modelled	97.8	16	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	c4fd4B	Alignment	not modelled	97.7	10	PDB header: transferase Chain: B: PDB Molecule: arylalkylamine n-acetyltransferase like 5b; PDBTitle: crystal structure of mosquito arylalkylamine n-acetyltransferase like2 5b
28	d1tiqa	Alignment	not modelled	97.7	12	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
						Fold: Acyl-CoA N-acyltransferases (Nat)

29	d1cjwa_	Alignment	not modelled	97.7	13	Fold: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
30	d2ozga2	Alignment	not modelled	97.7	7	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: EF1021-like
31	c4ua3A	Alignment	not modelled	97.7	13	PDB header: transferase Chain: A: PDB Molecule: uncharacterized n-acetyltransferase c825.04c; PDBTitle: crystal structure of selenomethionine labeled spnatd
32	c2ozgA	Alignment	not modelled	97.7	8	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
33	d1yx0a1	Alignment	not modelled	97.7	15	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
34	d1ygha_	Alignment	not modelled	97.7	14	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
35	c6rftB	Alignment	not modelled	97.7	18	PDB header: antibiotic Chain: B: PDB Molecule: uncharacterized n-acetyltransferase d2e36_21790; PDBTitle: crystal structure of eis2 from mycobacterium abscessus bound to2 acetyl-coa
36	c4zbgA	Alignment	not modelled	97.6	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
37	c4rs2B	Alignment	not modelled	97.6	20	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
38	d1s3za	Alignment	not modelled	97.6	13	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
39	c5f46A	Alignment	not modelled	97.6	10	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
40	c3fixA	Alignment	not modelled	97.6	13	PDB header: transferase Chain: A: PDB Molecule: n-acetyltransferase; PDBTitle: crystal structure of a putative n-acetyltransferase (ta0374) from2 thermoplasma acidophilum
41	c3fynA	Alignment	not modelled	97.6	12	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
42	d2fe7a1	Alignment	not modelled	97.5	11	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
43	c3r1kA	Alignment	not modelled	97.5	18	PDB header: transferase Chain: A: PDB Molecule: enhanced intracellular survival protein; PDBTitle: crystal structure of acetyltransferase eis from mycobacterium2 tuberculosis h37rv in complex with coa and an acetamide moiety
44	d2hv2a2	Alignment	not modelled	97.5	14	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: EF1021-like
45	c3fb3A	Alignment	not modelled	97.5	15	PDB header: transferase Chain: A: PDB Molecule: n-acetyltransferase; PDBTitle: crystal structure of trypanosoma brucei acetyltransferase,2 tb11.01.2886
46	c2ozhA	Alignment	not modelled	97.5	19	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
47	d1u6ma_	Alignment	not modelled	97.4	12	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
48	c2huzB	Alignment	not modelled	97.4	11	PDB header: structural genomics, transferase Chain: B: PDB Molecule: glucosamine 6-phosphate n-acetyltransferase; PDBTitle: crystal structure of gnpnat1
49	c2cntD	Alignment	not modelled	97.4	13	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 coenzyme a.
50	c3n7zD	Alignment	not modelled	97.4	14	PDB header: transferase Chain: D: PDB Molecule: acetyltransferase, gnat family; PDBTitle: crystal structure of acetyltransferase from bacillus anthracis
51	c4h89A	Alignment	not modelled	97.4	11	PDB header: transferase Chain: A: PDB Molecule: gcn5-related n-acetyltransferase; PDBTitle: the structure of a gcn5-related n-acetyltransferase from kribbella2 flavida
52	d2beia1	Alignment	not modelled	97.4	14	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
53	c4zm6A	Alignment	not modelled	97.4	14	PDB header: hydrolase, transferase Chain: A: PDB Molecule: n-acetyl-beta-d glucosaminidase; PDBTitle: a unique gcn5-related glucosamine n-acetyltransferase

						region exist in2 the fungal multi-domain gh3 beta-n-acetylglucosaminidase
54	c2r1iB_	Alignment	not modelled	97.4	10	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
55	c4pv6E_	Alignment	not modelled	97.3	19	PDB header: transferase Chain: E: PDB Molecule: n-terminal acetyltransferase complex subunit [ard1]; PDBTitle: crystal structure analysis of ard1 from thermoplasma volcanium
56	d2i00a2	Alignment	not modelled	97.3	12	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: EF1021-like
57	c3dsbB_	Alignment	not modelled	97.3	12	PDB header: transferase Chain: B: PDB Molecule: putative acetyltransferase; PDBTitle: the crystal structure of a possible acetyltransferase from clostridium2 difficile 630
58	c4my3A_	Alignment	not modelled	97.3	20	PDB header: transferase Chain: A: PDB Molecule: gcn5-related n-acetyltransferase; PDBTitle: crystal structure of gcn5-related n-acetyltransferase from kribbella2 flavida
59	d1n71a_	Alignment	not modelled	97.3	14	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
60	c5ygeA_	Alignment	not modelled	97.2	20	PDB header: transferase Chain: A: PDB Molecule: amino-acid acetyltransferase; PDBTitle: arga complexed with acecoa and glutamate
61	c3dr8B_	Alignment	not modelled	97.2	15	PDB header: transferase Chain: B: PDB Molecule: ynca; PDBTitle: structure of ynca, a putative acetyltransferase from salmonella2 typhimurium with its cofactor acetyl-coa
62	d1y9ka1	Alignment	not modelled	97.2	18	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
63	d1bo4a_	Alignment	not modelled	97.2	15	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
64	c1bo4A_	Alignment	not modelled	97.2	15	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
65	d2fiaa1	Alignment	not modelled	97.2	9	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
66	c3t9yA_	Alignment	not modelled	97.2	13	PDB header: transferase Chain: A: PDB Molecule: acetyltransferase, gnat family; PDBTitle: crystal structure of gnat family acetyltransferase staphylococcus2 aureus subsp. aureus usa300_tch1516
67	d1m4ia_	Alignment	not modelled	97.2	11	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
68	c4ag9B_	Alignment	not modelled	97.2	9	PDB header: transferase Chain: B: PDB Molecule: glucosamine-6-phosphate n-acetyltransferase; PDBTitle: c. elegans glucosamine-6-phosphate n-acetyltransferase (gna1):2 ternary complex with coenzyme a and glcnac
69	c4u5yA_	Alignment	not modelled	97.2	15	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
70	c2pswA_	Alignment	not modelled	97.2	19	PDB header: transferase Chain: A: PDB Molecule: n-acetyltransferase 13; PDBTitle: human mak3 homolog in complex with coa
71	c2dxqA_	Alignment	not modelled	97.1	15	PDB header: transferase Chain: A: PDB Molecule: acetyltransferase; PDBTitle: putative acetyltransferase from agrobacterium tumefaciens str. c58
72	c2hv2D_	Alignment	not modelled	97.1	13	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
73	d1yvka1	Alignment	not modelled	97.1	22	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
74	c2oh1A_	Alignment	not modelled	97.1	8	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
75	c5k9nB_	Alignment	not modelled	97.1	11	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 acetylglmatine
76	c4e0aB_	Alignment	not modelled	97.1	20	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
77	d2euia1	Alignment	not modelled	97.1	9	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT

78	c6ao7A	Alignment	not modelled	97.0	21	PDB header: transferase Chain: A: PDB Molecule: acetyltransferase; PDBTitle: crystal structure of a gnat family acetyltransferase from elizabethkingia anophelis with acetyl-coa bound
79	d1vkca	Alignment	not modelled	97.0	11	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
80	c4iusA	Alignment	not modelled	97.0	20	PDB header: transferase Chain: A: PDB Molecule: gcn5-related n-acetyltransferase; PDBTitle: gcn5-related n-acetyltransferase from kribbella flavida.
81	d1yvoa1	Alignment	not modelled	97.0	18	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
82	c5hmnE	Alignment	not modelled	96.9	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
83	d2g3aa1	Alignment	not modelled	96.9	19	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
84	d1vhsa	Alignment	not modelled	96.9	15	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
85	d1mk4a	Alignment	not modelled	96.9	10	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
86	c4bmhA	Alignment	not modelled	96.9	13	PDB header: transferase Chain: A: PDB Molecule: acetyltransferase; PDBTitle: crystal structure of sshat
87	c5us1K	Alignment	not modelled	96.9	19	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
88	c3e0kA	Alignment	not modelled	96.8	15	PDB header: transferase Chain: A: PDB Molecule: amino-acid acetyltransferase; PDBTitle: crystal structure of c-termianl domain of n-acetylglutamate synthase2 from vibrio parahaemolyticus
89	d1r57a	Alignment	not modelled	96.8	10	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
90	c4fd7A	Alignment	not modelled	96.8	12	PDB header: transferase Chain: A: PDB Molecule: putative arylalkylamine n-acetyltransferase 7; PDBTitle: crystal structure of insect putative arylalkylamine n-2 acetyltransferase 7 from the yellow fever mosquito aedes aegypt
91	c4e8oB	Alignment	not modelled	96.8	14	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	d1qsmA	Alignment	not modelled	96.8	16	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
93	c3jvnA	Alignment	not modelled	96.8	14	PDB header: transferase Chain: A: PDB Molecule: acetyltransferase; PDBTitle: crystal structure of the acetyltransferase vf_1542 from vibrio2 fischeri, northeast structural genomics consortium target vfr136
94	c3fncA	Alignment	not modelled	96.8	12	PDB header: transferase Chain: A: PDB Molecule: putative acetyltransferase; PDBTitle: crystal structure of a putative acetyltransferase from listeria2 innocua
95	d2b5ga1	Alignment	not modelled	96.7	14	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
96	c3i9sA	Alignment	not modelled	96.7	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
97	d1ghea	Alignment	not modelled	96.7	11	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
98	c3ld2B	Alignment	not modelled	96.7	17	PDB header: transferase Chain: B: PDB Molecule: putative acetyltransferase; PDBTitle: the crystal structure of smu.2055 from streptococcus mutans ua159
99	c4ubrA	Alignment	not modelled	96.7	27	PDB header: transferase Chain: A: PDB Molecule: putative acetyltransferase; PDBTitle: crystal structure of pseudomonas aeruginosa n-acetyltransferase pa4534
100	c2r7hA	Alignment	not modelled	96.7	14	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
101	d1y7ra1	Alignment	not modelled	96.7	15	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
102	c5kf2A	Alignment	not modelled	96.7	12	PDB header: transferase Chain: A: PDB Molecule: predicted acetyltransferase; PDBTitle: x-ray structure of a glucosamine n-acetyltransferase from clostridium2 acetobutylicum, apo form, ph 8 PDB header: transferase

103	c3zj0A_	Alignment	not modelled	96.7	11	Chain: A: PDB Molecule: acetyltransferase; PDBTitle: the human o-glcnacase c-terminal domain is a pseudo histone2 acetyltransferase
104	c4u9wA_	Alignment	not modelled	96.7	12	PDB header: transferase Chain: A: PDB Molecule: n-alpha-acetyltransferase 40; PDBTitle: crystal structure of natd bound to h4/h2a peptide and coa
105	c4orfA_	Alignment	not modelled	96.6	13	PDB header: transferase Chain: A: PDB Molecule: acetyltransferase pat; PDBTitle: camp-binding acyltransferase from mycobacterium smegmatis, mutant r95k
106	c6cw2D_	Alignment	not modelled	96.6	13	PDB header: gene regulation Chain: D: PDB Molecule: histone acetyltransferase gcn5; PDBTitle: crystal structure of a yeast saga transcriptional coactivator2 ada2/gcn5 hat subcomplex, crystal form 1
107	d2cy2a1	Alignment	not modelled	96.6	15	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
108	c2k5tA_	Alignment	not modelled	96.6	15	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
109	d2gana1	Alignment	not modelled	96.6	12	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
110	c2jlmE_	Alignment	not modelled	96.6	14	PDB header: transferase Chain: E: PDB Molecule: putative phosphinothricin n-acetyltransferase; PDBTitle: structure of a putative acetyltransferase (aciad1637) from2 acinetobacter baylyi adp1
111	c3t90A_	Alignment	not modelled	96.6	8	PDB header: transferase Chain: A: PDB Molecule: glucose-6-phosphate acetyltransferase 1; PDBTitle: crystal structure of glucosamine-6-phosphate n-acetyltransferase from2 arabidopsis thaliana
112	c4kvoF_	Alignment	not modelled	96.5	14	PDB header: transferase Chain: F: PDB Molecule: n-terminal acetyltransferase a complex catalytic subunit PDBTitle: the nata (naa10p/naa15p) amino-terminal acetyltrasferase complex bound2 to accoa
113	d1ufha_	Alignment	not modelled	96.5	10	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
114	d1z4ea1	Alignment	not modelled	96.5	9	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
115	d1y9wa1	Alignment	not modelled	96.5	17	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
116	c1ufhB_	Alignment	not modelled	96.4	10	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: yycn protein; PDBTitle: structure of putative acetyltransferase, yycn protein of bacillus2 subtilis
117	d1j12a_	Alignment	not modelled	96.4	9	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
118	c2qecA_	Alignment	not modelled	96.4	14	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
119	c2pdoG_	Alignment	not modelled	96.3	15	PDB header: transferase Chain: G: PDB Molecule: acetyltransferase ypea; PDBTitle: crystal structure of the putative acetyltransferase of gnat family2 from shigella flexneri
120	c5t7eD_	Alignment	not modelled	96.3	13	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