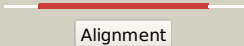

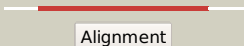

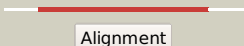







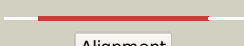




















Phyre2

Email mdejesus@rockefeller.edu
 Description RVBD3420c_(rimi)_3838766_3839242
 Date Fri Aug 9 18:20:09 BST 2019
 Unique Job ID 710d0ced31b4de84

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c2pswA_	 Alignment		100.0	20	PDB header: transferase Chain: A: PDB Molecule: n-acetyltransferase 13; PDBTitle: human mak3 homolog in complex with coa
2	c4pv6E_	 Alignment		100.0	24	PDB header: transferase Chain: E: PDB Molecule: n-terminal acetyltransferase complex subunit [ard1]; PDBTitle: crystal structure analysis of ard1 from thermoplasma volcanium
3	c2cntD_	 Alignment		100.0	30	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.
4	c4kvoF_	 Alignment		100.0	22	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
5	c6c95B_	 Alignment		99.9	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
6	c4hnyB_	 Alignment		99.9	26	PDB header: transferase Chain: B: PDB Molecule: n-terminal acetyltransferase a complex catalytic subunit PDBTitle: apo n-terminal acetyltransferase complex a
7	c5k18D_	 Alignment		99.9	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
8	c5hgzA_	 Alignment		99.9	21	PDB header: transferase Chain: A: PDB Molecule: n-alpha-acetyltransferase 60; PDBTitle: crystal structure of human naa60 in complex with acetyl-coa
9	c3blnA_	 Alignment		99.9	12	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
10	d1tiqa_	 Alignment		99.9	19	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
11	c5t7eD_	 Alignment		99.9	22	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

12	c2reeB	Alignment		99.9	17	PDB header: transferase, lyase Chain: B: PDB Molecule: cura; PDBTitle: crystal structure of the loading gnatI domain of cura from lyngbya2 majuscula
13	c2x7bA	Alignment		99.9	24	PDB header: transferase Chain: A: PDB Molecule: n-acetyltransferase sso0209; PDBTitle: crystal structure of the n-terminal acetylase ard1 from2 sulfobolobus solfataricus p2
14	c4e2aA	Alignment		99.9	18	PDB header: transferase Chain: A: PDB Molecule: putative acetyltransferase; PDBTitle: crystal structure of the putative acetyltransferase from streptococcus2 mutans
15	d2ae6a1	Alignment		99.9	24	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
16	c3dr8B	Alignment		99.9	22	PDB header: transferase Chain: B: PDB Molecule: ynca; PDBTitle: structure of ynca, a putative acetyltransferase from salmonella2 typhimurium with its cofactor acetyl-coa
17	c4h89A	Alignment		99.9	19	PDB header: transferase Chain: A: PDB Molecule: gcn5-related n-acetyltransferase; PDBTitle: the structure of a gcn5-related n-acetyltransferase from kribbella2 flavida
18	c5nnrB	Alignment		99.9	24	PDB header: transferase Chain: B: PDB Molecule: naa10; PDBTitle: structure of naa15/naa10 bound to hypk-thb
19	c4jxqA	Alignment		99.9	23	PDB header: transferase Chain: A: PDB Molecule: acetyltransferase; PDBTitle: crystal structure of a gnat superfamily phosphinothricin2 acetyltransferase (pat) from sinorhizobium meliloti 1021
20	c5icwB	Alignment		99.9	22	PDB header: transferase Chain: B: PDB Molecule: n-alpha-acetyltransferase 60; PDBTitle: crystal structure of human natf (hnaa60) homodimer bound to coenzyme a
21	c5jtfB	Alignment	not modelled	99.9	23	PDB header: transferase Chain: B: PDB Molecule: putative phosphinothricin n-acetyltransferase; PDBTitle: crystal structure of arsn n-acetyltransferase from pseudomonas putida2 kt2440
22	d1yvoa1	Alignment	not modelled	99.9	21	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
23	d1vhsa	Alignment	not modelled	99.9	18	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
24	c3ld2B	Alignment	not modelled	99.9	20	PDB header: transferase Chain: B: PDB Molecule: putative acetyltransferase; PDBTitle: the crystal structure of smu.2055 from streptococcus mutans ua159
25	c2jlmE	Alignment	not modelled	99.9	18	PDB header: transferase Chain: E: PDB Molecule: putative phosphinothricin n-acetyltransferase; PDBTitle: structure of a putative acetyltransferase (aciad1637) from2 acinetobacter baylyi adp1
26	d1yr0a1	Alignment	not modelled	99.9	23	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
27	c2r7hA	Alignment	not modelled	99.9	17	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
						Fold: Acyl-CoA N-acyltransferases (Nat)

28	d1n71a	Alignment	not modelled	99.9	21	Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
29	d1ghea	Alignment	not modelled	99.9	21	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
30	c4mbuB	Alignment	not modelled	99.9	18	PDB header: transferase Chain: B: PDB Molecule: similar to n-acetyltransferase; PDBTitle: crystal structure of n-acetyltransferase from staphylococcus aureus2 mu50
31	c2i79B	Alignment	not modelled	99.9	25	PDB header: transferase Chain: B: PDB Molecule: acetyltransferase, gnat family; PDBTitle: the crystal structure of the acetyltransferase of gnat family from2 streptococcus pneumoniae
32	d1mk4a	Alignment	not modelled	99.9	16	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
33	d2i6ca1	Alignment	not modelled	99.9	19	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
34	c4j3gD	Alignment	not modelled	99.9	24	PDB header: transferase Chain: D: PDB Molecule: gcn5-related n-acetyltransferase; PDBTitle: crystal structure of ribosomal-protein-alanine n-acetyltransferase2 from brucella melitensis
35	d2fiwa1	Alignment	not modelled	99.9	16	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
36	c5dwnC	Alignment	not modelled	99.9	22	PDB header: transferase Chain: C: PDB Molecule: phosphinothricin n-acetyltransferase; PDBTitle: crystal structure of phosphinothricin n-acetyltransferase from2 brucella ovis in complex with acetylcoa
37	d2fiaa1	Alignment	not modelled	99.9	15	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
38	c6ao7A	Alignment	not modelled	99.9	18	PDB header: transferase Chain: A: PDB Molecule: acetyltransferase; PDBTitle: crystal structure of a gnat family acetyltransferase from2 elizabethkingia anophelis with acetyl-coa bound
39	c3g8wB	Alignment	not modelled	99.9	14	PDB header: transferase Chain: B: PDB Molecule: lactococcal prophage ps3 protein 05; PDBTitle: crystal structure of a probable acetyltransferase from staphylococcus2 epidermidis atcc 12228
40	c2oh1A	Alignment	not modelled	99.9	16	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
41	c3efaA	Alignment	not modelled	99.9	15	PDB header: transferase Chain: A: PDB Molecule: putative acetyltransferase; PDBTitle: crystal structure of putative n-acetyltransferase from lactobacillus2 plantarum
42	d2ge3a1	Alignment	not modelled	99.9	27	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
43	c2pc1A	Alignment	not modelled	99.9	15	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
44	c1ib1E	Alignment	not modelled	99.9	22	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
45	d1s3za	Alignment	not modelled	99.9	18	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
46	d1s7ka1	Alignment	not modelled	99.9	15	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
47	c3zj0A	Alignment	not modelled	99.9	26	PDB header: transferase Chain: A: PDB Molecule: acetyltransferase; PDBTitle: the human o-glcnacase c-terminal domain is a pseudo histone2 acetyltransferase
48	c4rs2B	Alignment	not modelled	99.9	23	PDB header: transferase Chain: B: PDB Molecule: predicted acyltransferase with acyl-coa n-acetyltransferase PDBTitle: 1.55 angstrom crystal structure of gnat family n-acetyltransferase2 (yhbs) from escherichia coli in complex with coa
49	c2qecA	Alignment	not modelled	99.9	23	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
50	d2jdca1	Alignment	not modelled	99.9	15	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
51	c2r98A	Alignment	not modelled	99.9	23	PDB header: transferase Chain: A: PDB Molecule: putative acetylglutamate synthase; PDBTitle: crystal structure of n-acetylglutamate synthase (selenomet2 substituted) from neisseria gonorrhoeae
52	c3d8pB	Alignment	not modelled	99.9	18	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
						PDB header: transferase

53	c2q0yA	Alignment	not modelled	99.9	16	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
54	c3f8kA	Alignment	not modelled	99.9	23	PDB header: transferase Chain: A: PDB Molecule: protein acetyltransferase; PDBTitle: crystal structure of protein acetyltransferase (pat) from sulfobolus2 solfataricus
55	c4y49I	Alignment	not modelled	99.9	18	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
56	c3pp9B	Alignment	not modelled	99.9	21	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
57	c5f46A	Alignment	not modelled	99.9	18	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
58	c3lodA	Alignment	not modelled	99.9	21	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
59	d2cy2a1	Alignment	not modelled	99.9	22	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
60	c4e8oB	Alignment	not modelled	99.9	15	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
61	c2vi7C	Alignment	not modelled	99.9	30	PDB header: transferase Chain: C: PDB Molecule: acetyltransferase pa1377; PDBTitle: structure of a putative acetyltransferase (pa1377)from pseudomonas2 aeruginosa
62	c4r9mC	Alignment	not modelled	99.9	20	PDB header: transferase Chain: C: PDB Molecule: spermidine n(1)-acetyltransferase; PDBTitle: crystal structure of spermidine n-acetyltransferase from escherichia2 coli
63	c2dxqA	Alignment	not modelled	99.9	26	PDB header: transferase Chain: A: PDB Molecule: acetyltransferase; PDBTitle: putative acetyltransferase from agrobacterium tumefaciens str. c58
64	c3fncA	Alignment	not modelled	99.9	15	PDB header: transferase Chain: A: PDB Molecule: putative acetyltransferase; PDBTitle: crystal structure of a putative acetyltransferase from listeria2 innocua
65	c4ubrA	Alignment	not modelled	99.9	19	PDB header: transferase Chain: A: PDB Molecule: putative acetyltransferase; PDBTitle: crystal structure of pseudomonas aeruginosa n-aetyltransferase pa4534
66	c2kcwA	Alignment	not modelled	99.9	18	PDB header: transferase Chain: A: PDB Molecule: uncharacterized acetyltransferase yjab; PDBTitle: solution structure of apo-form yjab from escherichia coli
67	c2pdoG	Alignment	not modelled	99.9	22	PDB header: transferase Chain: G: PDB Molecule: acetyltransferase ypea; PDBTitle: crystal structure of the putative acetyltransferase of gnat family2 from shigella flexneri
68	c3te4A	Alignment	not modelled	99.9	19	PDB header: transferase Chain: A: PDB Molecule: dopamine n acetyltransferase, isoform a; PDBTitle: crystal structure of dopamine n acetyltransferase in complex with2 acetyl-coa from drosophila melanogaster
69	c3k9uA	Alignment	not modelled	99.9	18	PDB header: transferase Chain: A: PDB Molecule: paia acetyltransferase; PDBTitle: crystal structure of paia acetyltransferase (ta0374) from thermoplasma2 acidophilum
70	c4bmbA	Alignment	not modelled	99.9	21	PDB header: transferase Chain: A: PDB Molecule: acetyltransferase; PDBTitle: crystal structure of sshat
71	c4qc6A	Alignment	not modelled	99.9	20	PDB header: transferase/antibiotic Chain: A: PDB Molecule: bifunctional aac/aph; PDBTitle: crystal structure of aminoglycoside 6'-acetyltransferase-ie
72	d1yvka1	Alignment	not modelled	99.9	18	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
73	d1cjwa	Alignment	not modelled	99.9	21	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
74	c3igrA	Alignment	not modelled	99.9	21	PDB header: transferase Chain: A: PDB Molecule: ribosomal-protein-s5-alanine n-acetyltransferase; PDBTitle: the crystal structure of ribosomal-protein-s5-alanine2 acetyltransferase from vibrio fischeri to 2.0a
75	d2beia1	Alignment	not modelled	99.9	22	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
76	d1xeba	Alignment	not modelled	99.9	19	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
77	c4luaA	Alignment	not modelled	99.8	16	PDB header: transferase Chain: A: PDB Molecule: n-acetyltransferase; PDBTitle: crystal structure of n-acetyltransferase from staphylococcus aureus2 mu50

78	c3exnA	Alignment	not modelled	99.8	18	PDB header: transferase Chain: A: PDB Molecule: probable acetyltransferase; PDBTitle: crystal structure of acetyltransferase from thermophilus hb8
79	c5z6nA	Alignment	not modelled	99.8	20	PDB header: transferase Chain: A: PDB Molecule: protein elaa; PDBTitle: crystal structure of escherichia coli elaa
80	c3fixA	Alignment	not modelled	99.8	17	PDB header: transferase Chain: A: PDB Molecule: n-acetyltransferase; PDBTitle: crystal structure of a putative n-acetyltransferase (ta0374) from2 thermoplasma acidophilum
81	c3frmF	Alignment	not modelled	99.8	16	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.
82	d1wwza1	Alignment	not modelled	99.8	22	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
83	c4e0aB	Alignment	not modelled	99.8	21	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
84	c4m85C	Alignment	not modelled	99.8	25	PDB header: transferase Chain: C: PDB Molecule: n-acetyltransferase; PDBTitle: crystal structure of n-acetyltransferase from staphylococcus aureus2 mu50
85	c3dsbB	Alignment	not modelled	99.8	16	PDB header: transferase Chain: B: PDB Molecule: putative acetyltransferase; PDBTitle: the crystal structure of a possible acetyltransferase from clostridium2 difficile 630
86	c4fd4B	Alignment	not modelled	99.8	15	PDB header: transferase Chain: B: PDB Molecule: arylalkylamine n-acetyltransferase like 5b; PDBTitle: crystal structure of mosquito arylalkylamine n-acetyltransferase like2 5b
87	d1y9ka1	Alignment	not modelled	99.8	25	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
88	d1u6ma	Alignment	not modelled	99.8	29	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
89	c3c26A	Alignment	not modelled	99.8	17	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
90	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
91	c3thL	Alignment	not modelled	99.8	19	PDB header: transferase Chain: L: PDB Molecule: spermidine n1-acetyltransferase; PDBTitle: structure of the spermidine n1-acetyltransferase (speg) from coxiella2 burnetii
92	c3fb3A	Alignment	not modelled	99.8	22	PDB header: transferase Chain: A: PDB Molecule: n-acetyltransferase; PDBTitle: crystal structure of trypanosoma brucei acetyltransferase,2 tb11.01.2886
93	d1yx0a1	Alignment	not modelled	99.8	18	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
94	c2q7bA	Alignment	not modelled	99.8	15	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
95	c5ix3A	Alignment	not modelled	99.8	21	PDB header: transferase Chain: A: PDB Molecule: diamine n-acetyltransferase; PDBTitle: crystal structure of n-acetyltransferase from staphylococcus aureus.
96	c3d3sA	Alignment	not modelled	99.8	18	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
97	d1y9wa1	Alignment	not modelled	99.8	16	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
98	c3i9sA	Alignment	not modelled	99.8	17	PDB header: transferase Chain: A: PDB Molecule: integron cassette protein; PDBTitle: structure from the mobile metagenome of v.cholerae. integron2 cassette protein vch_cass6
99	c5k9nB	Alignment	not modelled	99.8	24	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
100	c3dddA	Alignment	not modelled	99.8	23	PDB header: transferase Chain: A: PDB Molecule: putative acetyltransferase; PDBTitle: crystal structure of a putative acetyltransferase (np_142035.1) from2 pyrococcus horikoshii at 2.25 a resolution
101	c4u5yA	Alignment	not modelled	99.8	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
102	c1ufhB	Alignment	not modelled	99.8	20	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: yycn protein; PDBTitle: structure of putative acetyltransferase, yycn protein of bacillus2 subtilis

103	c4ua3A_	Alignment	not modelled	99.8	20	PDB header: transferase Chain: A: PDB Molecule: uncharacterized n-acetyltransferase c825_04c; PDBTitle: crystal structure of selenomethionine labeled spnatd
104	d1qsmA_	Alignment	not modelled	99.8	19	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
105	c3ey5A_	Alignment	not modelled	99.8	22	PDB header: transferase Chain: A: PDB Molecule: acetyltransferase-like, gnat family; PDBTitle: putative acetyltransferase from gnat family from bacteroides2 thetaiotaomicron.
106	d1q2ya_	Alignment	not modelled	99.8	16	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
107	d1nsla_	Alignment	not modelled	99.8	23	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
108	d2fl4a1	Alignment	not modelled	99.8	23	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
109	d1qsrA_	Alignment	not modelled	99.8	15	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
110	c3t90A_	Alignment	not modelled	99.8	13	PDB header: transferase Chain: A: PDB Molecule: glucose-6-phosphate acetyltransferase 1; PDBTitle: crystal structure of glucosamine-6-phosphate n-acetyltransferase from2 arabidopsis thaliana
111	c3e0kA_	Alignment	not modelled	99.8	17	PDB header: transferase Chain: A: PDB Molecule: amino-acid acetyltransferase; PDBTitle: crystal structure of c-terminal domain of n-acetylglutamate synthase2 from vibrio parahaemolyticus
112	c6c37A_	Alignment	not modelled	99.8	23	PDB header: transferase Chain: A: PDB Molecule: acetyltransferase, gnat family protein; PDBTitle: mycobacterium smegmatis rimj in complex with coa-disulfide
113	c6bffB_	Alignment	not modelled	99.8	18	PDB header: transferase Chain: B: PDB Molecule: aminoglycoside acetyltransferase; PDBTitle: structure of the aminoglycoside acetyltransferase aac(6)-im
114	d2b5ga1	Alignment	not modelled	99.8	17	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
115	d1i12a_	Alignment	not modelled	99.8	17	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
116	d2atra1	Alignment	not modelled	99.8	23	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
117	c3fbuB_	Alignment	not modelled	99.8	13	PDB header: transferase Chain: B: PDB Molecule: acetyltransferase, gnat family; PDBTitle: the crystal structure of the acetyltransferase (gnat family) from2 bacillus anthracis
118	d1z4ra1	Alignment	not modelled	99.8	15	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
119	c3eg7F_	Alignment	not modelled	99.8	21	PDB header: transferase Chain: F: PDB Molecule: spermidine n1-acetyltransferase; PDBTitle: spermidine n1-acetyltransferase from vibrio cholerae
120	c2vzza_	Alignment	not modelled	99.8	22	PDB header: transferase Chain: A: PDB Molecule: rv0802c; PDBTitle: crystal structure of rv0802c from mycobacterium2 tuberculosis in complex with succinyl-coa