
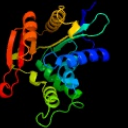
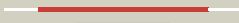








Phyre2

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Description	RVBD2170 (-) _2432243_2432863
Date	Mon Aug 5 13:25:29 BST 2019
Unique Job ID	935882d0f788278e

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c3zj0A_	 Alignment		99.9	20	PDB header: transferase Chain: A: PDB Molecule: acetyltransferase; PDBTitle: the human o-glcnacase c-terminal domain is a pseudo histone2 acetyltransferase
2	c4bmhA_	 Alignment		99.9	20	PDB header: transferase Chain: A: PDB Molecule: acetyltransferase; PDBTitle: crystal structure of sshot
3	d1u6ma_	 Alignment		99.9	10	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
4	d1tiqa_	 Alignment		99.9	14	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
5	c2qecA_	 Alignment		99.8	19	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
6	d1ghea_	 Alignment		99.8	21	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
7	c4hnyB_	 Alignment		99.8	11	PDB header: transferase Chain: B: PDB Molecule: n-terminal acetyltransferase a complex catalytic subunit PDBTitle: apo n-terminal acetyltransferase complex a
8	c4pv6E_	 Alignment		99.8	18	PDB header: transferase Chain: E: PDB Molecule: n-terminal acetyltransferase complex subunit [ard1]; PDBTitle: crystal structure analysis of ard1 from thermoplasma volcanium
9	c2r7hA_	 Alignment		99.8	18	PDB header: transferase Chain: A: PDB Molecule: putative d-alanine n-acetyltransferase of gnat family; PDBTitle: crystal structure of a putative acetyltransferase of the gnat family2 (dde_3044) from desulfovibrio desulfuricans subsp. at 1.85 a3 resolution
10	c4e2aA_	 Alignment		99.8	17	PDB header: transferase Chain: A: PDB Molecule: putative acetyltransferase; PDBTitle: crystal structure of the putative acetyltransferase from streptococcus2 mutans
11	c5k18D_	 Alignment		99.8	17	PDB header: transferase/transferase inhibitor Chain: D: PDB Molecule: n-terminal acetyltransferase b complex subunit nat3; PDBTitle: the natb acetyltransferase complex bound to bisubstrate inhibitor

12	c2oh1A_	Alignment		99.8	14	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
13	d1mk4a_	Alignment		99.8	14	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
14	c4e8oB_	Alignment		99.8	12	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
15	c6c95B_	Alignment		99.8	15	PDB header: transferase Chain: B: PDB Molecule: n-alpha-acetyltransferase 10; PDBTitle: the human nata (naa10/naa15) amino-terminal acetyltransferase complex2 bound to hypk
16	c3lodA_	Alignment		99.8	20	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
17	c4kvoF_	Alignment		99.8	11	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
18	c2dxqA_	Alignment		99.8	21	PDB header: transferase Chain: A: PDB Molecule: acetyltransferase; PDBTitle: putative acetyltransferase from agrobacterium tumefaciens str. c58
19	d2cy2a1	Alignment		99.8	20	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
20	c3i9sA_	Alignment		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
21	c3d8pB_	Alignment	not modelled	99.8	16	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
22	c4fd4B_	Alignment	not modelled	99.8	17	PDB header: transferase Chain: B: PDB Molecule: arylalkylamine n-acetyltransferase like 5b; PDBTitle: crystal structure of mosquito arylalkylamine n-acetyltransferase like2 5b
23	c1ib1E_	Alignment	not modelled	99.8	14	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
24	c3efaA_	Alignment	not modelled	99.8	17	PDB header: transferase Chain: A: PDB Molecule: putative acetyltransferase; PDBTitle: crystal structure of putative n-acetyltransferase from lactobacillus2 plantarum
25	c2x7bA_	Alignment	not modelled	99.8	14	PDB header: transferase Chain: A: PDB Molecule: n-acetyltransferase sso0209; PDBTitle: crystal structure of the n-terminal acetylase ard1 from2 sulfolobus solfataricus p2
26	c2pswA_	Alignment	not modelled	99.8	15	PDB header: transferase Chain: A: PDB Molecule: n-acetyltransferase 13; PDBTitle: human mak3 homolog in complex with coa
27	d1s3za_	Alignment	not modelled	99.8	14	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
28	c4h89A_	Alignment	not modelled	99.8	19	PDB header: transferase Chain: A: PDB Molecule: gcn5-related n-acetyltransferase; PDBTitle: the structure of a gcn5-related n-acetyltransferase from kribbella2 flavida PDB header: transferase

29	c5hmnE	Alignment	not modelled	99.8	19	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
30	c5hgza	Alignment	not modelled	99.8	14	PDB header: transferase Chain: A; PDB Molecule: n-alpha-acetyltransferase 60; PDBTitle: crystal structure of human naa60 in complex with acetyl-coa
31	c4jxqa	Alignment	not modelled	99.8	22	PDB header: transferase Chain: A; PDB Molecule: acetyltransferase; PDBTitle: crystal structure of a gnat superfamily phosphinothricin2 acetyltransferase (pat) from sinorhizobium meliloti 1021
32	c5nnrB	Alignment	not modelled	99.8	15	PDB header: transferase Chain: B; PDB Molecule: naa10; PDBTitle: structure of naa15/naa10 bound to hypk-thb
33	c3ec4B	Alignment	not modelled	99.8	17	PDB header: transferase Chain: B; PDB Molecule: putative acetyltransferase from the gnat family; PDBTitle: crystal structure of putative acetyltransferase from the gnat family2 (yp_497011.1) from novosphingobium aromaticivorans dsm 12444 at 1.803 a resolution
34	c2cntD	Alignment	not modelled	99.8	20	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.
35	dl1i2a	Alignment	not modelled	99.8	13	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
36	dl1n71a	Alignment	not modelled	99.7	15	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
37	c4rs2B	Alignment	not modelled	99.7	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 PDB header: transferase
38	c3te4A	Alignment	not modelled	99.7	10	Chain: A; PDB Molecule: dopamine n acetyltransferase, isoform a; PDBTitle: crystal structure of dopamine n acetyltransferase in complex with2 acetyl-coa from drosophila melanogaster
39	c4ua3A	Alignment	not modelled	99.7	15	PDB header: transferase Chain: A; PDB Molecule: uncharacterized n-acetyltransferase c825.04c; PDBTitle: crystal structure of selenomethionine labeled spnatd
40	dl1vhsa	Alignment	not modelled	99.7	16	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
41	c4fd5A	Alignment	not modelled	99.7	12	PDB header: transferase Chain: A; PDB Molecule: arylalkylamine n-acetyltransferase 2; PDBTitle: crystal structure of arylalkylamine n-acetyltransferase 2 from aedes2 aegypti
42	c2kcwA	Alignment	not modelled	99.7	22	PDB header: transferase Chain: A; PDB Molecule: uncharacterized acetyltransferase yjab; PDBTitle: solution structure of apo-form yjab from escherichia coli
43	dl1yvoa1	Alignment	not modelled	99.7	20	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
44	d2beia1	Alignment	not modelled	99.7	16	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
45	d2fiwa1	Alignment	not modelled	99.7	14	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
46	c4m85C	Alignment	not modelled	99.7	13	PDB header: transferase Chain: C; PDB Molecule: n-acetyltransferase; PDBTitle: crystal structure of n-acetyltransferase from staphylococcus aureus2 mu50
47	c2reeB	Alignment	not modelled	99.7	15	PDB header: transferase, lyase Chain: B; PDB Molecule: cura; PDBTitle: crystal structure of the loading gnatl domain of cura from lymbgbya2 majuscula
48	c2r1iB	Alignment	not modelled	99.7	19	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
49	dl1qsmA	Alignment	not modelled	99.7	12	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
50	c3fixA	Alignment	not modelled	99.7	14	PDB header: transferase Chain: A; PDB Molecule: n-acetyltransferase; PDBTitle: crystal structure of a putative n-acetyltransferase (ta0374) from2 thermoplasma acidophilum
51	c2q0yA	Alignment	not modelled	99.7	19	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
52	dl1p0ha	Alignment	not modelled	99.7	19	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
53	c3blnA	Alignment	not modelled	99.7	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
54	c3k9uA	Alignment	not modelled	99.7	12	PDB header: transferase Chain: A; PDB Molecule: paia acetyltransferase;

54	c3k2uA	Alignment	not modelled	99.7	12	PDBTitle: crystal structure of paia acetyltransferase (ta0374) from thermoplasma2 acidophilum PDB header: transferase
55	c4ubrA	Alignment	not modelled	99.7	14	Chain: A: PDB Molecule: putative acetyltransferase; PDBTitle: crystal structure of pseudomonas aeruginosa n-acetyltransferase pa4534
56	c4e0aB	Alignment	not modelled	99.7	13	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
57	c1ufhB	Alignment	not modelled	99.7	11	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: yycn protein; PDBTitle: structure of putative acetyltransferase, yycn protein of bacillus2 subtilis
58	c3dr8B	Alignment	not modelled	99.7	20	PDB header: transferase Chain: B: PDB Molecule: yncia; PDBTitle: structure of yncia, a putative acetyltransferase from salmonella2 typhimurium with its cofactor acetyl-coa
59	c2pc1A	Alignment	not modelled	99.7	14	PDB header: transferase Chain: A: PDB Molecule: acetyltransferase, gnat family; PDBTitle: crystal structure of acetyltransferase gnat family (np_688560.1) from2 streptococcus agalactiae 2603 at 1.28 a resolution
60	c5k9nB	Alignment	not modelled	99.7	17	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 acetylarginine
61	d2i6ca1	Alignment	not modelled	99.7	22	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
62	d1y9wa1	Alignment	not modelled	99.7	13	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
63	d2b5ga1	Alignment	not modelled	99.7	13	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
64	d1ufha	Alignment	not modelled	99.7	11	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
65	c5f46A	Alignment	not modelled	99.7	13	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
66	c5t7eD	Alignment	not modelled	99.7	15	PDB header: transferase Chain: D: PDB Molecule: phosphinothricin n-acetyltransferase; PDBTitle: crystal structure of streptomyces hygrosopicus bialaphos resistance2 (bar) protein in complex with coenzyme a and l-phosphinothricin
67	d1yx0a1	Alignment	not modelled	99.7	16	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
68	d2ae6a1	Alignment	not modelled	99.7	13	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
69	d1cjwa	Alignment	not modelled	99.7	16	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
70	c2huzB	Alignment	not modelled	99.7	14	PDB header: structural genomics, transferase Chain: B: PDB Molecule: glucosamine 6-phosphate n-acetyltransferase; PDBTitle: crystal structure of gnpnat1
71	d2jdca1	Alignment	not modelled	99.7	12	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
72	d1wwza1	Alignment	not modelled	99.7	16	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
73	c2pdoG	Alignment	not modelled	99.7	15	PDB header: transferase Chain: G: PDB Molecule: acetyltransferase ypea; PDBTitle: crystal structure of the putative acetyltransferase of gnat family2 from shigella flexneri
74	c2q7bA	Alignment	not modelled	99.7	20	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
75	d1yvka1	Alignment	not modelled	99.7	17	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
76	d2g3aa1	Alignment	not modelled	99.7	18	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
77	c5icwB	Alignment	not modelled	99.7	14	PDB header: transferase Chain: B: PDB Molecule: n-alpha-acetyltransferase 60; PDBTitle: crystal structure of human natf (hnaa60) homodimer bound to coenzyme a
78	c3fb3A	Alignment	not modelled	99.7	21	PDB header: transferase Chain: A: PDB Molecule: n-acetyltransferase; PDBTitle: crystal structure of trypanosoma brucei acetyltransferase,2 tb11.01.2886
						PDB header: transferase Chain: A: PDB Molecule: l-2,4-diaminobutyric acid

79	c3d3sA_	Alignment	not modelled	99.7	14	acetyltransferase; PDBTitle: crystal structure of l-2,4-diaminobutyric acid acetyltransferase from2 bordetella parapertussis
80	c3exnA_	Alignment	not modelled	99.7	21	PDB header: transferase Chain: A: PDB Molecule: probable acetyltransferase; PDBTitle: crystal structure of acetyltransferase from thermophilus hb8
81	c4zbgA_	Alignment	not modelled	99.7	21	PDB header: transferase Chain: A: PDB Molecule: acetyltransferase; PDBTitle: crystal structure of a gnat family acetyltransferase from brucella2 melitensis in complex with acetyl-coa
82	c2jlmE_	Alignment	not modelled	99.7	19	PDB header: transferase Chain: E: PDB Molecule: putative phosphinothricin n-acetyltransferase; PDBTitle: structure of a putative acetyltransferase (aciad1637) from2 acinetobacter baylyi adp1
83	c5jtfB_	Alignment	not modelled	99.7	14	PDB header: transferase Chain: B: PDB Molecule: putative phosphinothricin n-acetyltransferase; PDBTitle: crystal structure of arsn n-acetyltransferase from pseudomonas putida2 kt2440
84	c3dsbB_	Alignment	not modelled	99.7	12	PDB header: transferase Chain: B: PDB Molecule: putative acetyltransferase; PDBTitle: the crystal structure of a possible acetyltransferase from clostridium2 difficile 630
85	c3f8kA_	Alignment	not modelled	99.7	18	PDB header: transferase Chain: A: PDB Molecule: protein acetyltransferase; PDBTitle: crystal structure of protein acetyltransferase (pat) from sulfolobus2 solfataricus
86	c4ag9B_	Alignment	not modelled	99.7	15	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
87	d1y9ka1	Alignment	not modelled	99.7	18	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
88	d2fiaa1	Alignment	not modelled	99.7	20	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
89	c6ao7A_	Alignment	not modelled	99.7	19	PDB header: transferase Chain: A: PDB Molecule: acetyltransferase; PDBTitle: crystal structure of a gnat family acetyltransferase from2 elizabethkingia anophelis with acetyl-coa bound
90	d2gana1	Alignment	not modelled	99.7	19	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
91	c3t90A_	Alignment	not modelled	99.7	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
92	c5dwnC_	Alignment	not modelled	99.7	23	PDB header: transferase Chain: C: PDB Molecule: phosphinothricin n-acetyltransferase; PDBTitle: crystal structure of phosphinothricin n-acetyltransferase from2 brucella ovis in complex with acetylcoa
93	c2vxkA_	Alignment	not modelled	99.7	16	PDB header: transferase Chain: A: PDB Molecule: glucosamine 6-phosphate acetyltransferase; PDBTitle: structural comparison between aspergillus fumigatus and2 human gna1
94	c3ey5A_	Alignment	not modelled	99.7	15	PDB header: transferase Chain: A: PDB Molecule: acetyltransferase-like, gnat family; PDBTitle: putative acetyltransferase from gnat family from bacteroides2 thetaiotaomicron.
95	d1yr0a1	Alignment	not modelled	99.7	15	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
96	d2euia1	Alignment	not modelled	99.6	10	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
97	c4u9wA_	Alignment	not modelled	99.6	20	PDB header: transferase Chain: A: PDB Molecule: n-alpha-acetyltransferase 40; PDBTitle: crystal structure of natd bound to h4/h2a peptide and coa
98	c4u5yA_	Alignment	not modelled	99.6	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
99	c3fncA_	Alignment	not modelled	99.6	13	PDB header: transferase Chain: A: PDB Molecule: putative acetyltransferase; PDBTitle: crystal structure of a putative acetyltransferase from listeria2 innocua
100	c5fvjA_	Alignment	not modelled	99.6	19	PDB header: transferase Chain: A: PDB Molecule: putative acetyltransferase; PDBTitle: crystal structure of tact (trna acetylating toxin) from salmonella
101	c4mbuB_	Alignment	not modelled	99.6	15	PDB header: transferase Chain: B: PDB Molecule: similar to n-acetyltransferase; PDBTitle: crystal structure of n-acetyltransferase from staphylococcus aureus2 mu50
102	c3w6sA_	Alignment	not modelled	99.6	16	PDB header: transferase Chain: A: PDB Molecule: mpr1 protein; PDBTitle: yeast n-acetyltransferase mpr1 involved in oxidative stress tolerance2 via proline metabolism
103	d2fl4a1	Alignment	not modelled	99.6	19	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
						Fold: Acyl-CoA N-acyltransferases (Nat)

104	d1q2ya_	Alignment	not modelled	99.6	13	Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
105	c6ajnA_	Alignment	not modelled	99.6	22	PDB header: toxin Chain: A: PDB Molecule: n-acetyltransferase; PDBTitle: crystal structure of atatr bound with accoa
106	c3e0kA_	Alignment	not modelled	99.6	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
107	c3pp9B_	Alignment	not modelled	99.6	16	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
108	c2wpwA_	Alignment	not modelled	99.6	16	PDB header: transferase Chain: A: PDB Molecule: orf14; PDBTitle: tandem gnat protein from the clavulanic acid biosynthesis pathway2 (without accoa)
109	c3c26A_	Alignment	not modelled	99.6	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
110	c3ld2B_	Alignment	not modelled	99.6	13	PDB header: transferase Chain: B: PDB Molecule: putative acetyltransferase; PDBTitle: the crystal structure of smu.2055 from streptococcus mutans ua159
111	c1bo4A_	Alignment	not modelled	99.6	16	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
112	d1bo4a_	Alignment	not modelled	99.6	16	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
113	c3mgdB_	Alignment	not modelled	99.6	12	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
114	d1z4ea1	Alignment	not modelled	99.6	16	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
115	c5xunA_	Alignment	not modelled	99.6	23	PDB header: toxin Chain: A: PDB Molecule: acetyltransferase; PDBTitle: crystal structure of y145f mutant of kact
116	c3qb8A_	Alignment	not modelled	99.6	12	PDB header: transferase Chain: A: PDB Molecule: a654l protein; PDBTitle: paramecium chlorella bursaria virus1 putative orf a654l is a polyamine2 acetyltransferase
117	d1xeba_	Alignment	not modelled	99.6	16	Fold: Acyl-CoA N-acyltransferases (Nat) Superfamily: Acyl-CoA N-acyltransferases (Nat) Family: N-acetyl transferase, NAT
118	c4orfA_	Alignment	not modelled	99.6	19	PDB header: transferase Chain: A: PDB Molecule: acetyltransferase pat; PDBTitle: camp-binding acyltransferase from mycobacterium smegmatis, mutant r95k
119	c4iusA_	Alignment	not modelled	99.6	21	PDB header: transferase Chain: A: PDB Molecule: gcn5-related n-acetyltransferase; PDBTitle: gcn5-related n-acetyltransferase from kribbella flvida.
120	c5kf2A_	Alignment	not modelled	99.6	14	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