

Phyre²

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Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c3n77B_	Alignment		100.0	86	PDB header: hydrolase Chain: B; PDB Molecule: nucleoside triphosphatase nudt; PDBTitle: crystal structure of idp01880, putative ntp pyrophosphohydrolase of2 salmonella typhimurium lt2
2	c3gwyA_	Alignment		99.9	23	PDB header: hydrolase Chain: A; PDB Molecule: putative ctp pyrophosphohydrolase; PDBTitle: crystal structure of putative ctp pyrophosphohydrolase from2 bacteroides fragilis
3	d1puna_	Alignment		99.9	20	Fold: Nudix Superfamily: Nudix Family: MutT-like
4	c3hhjA_	Alignment		99.9	27	PDB header: hydrolase Chain: A; PDB Molecule: mutator mutt protein; PDBTitle: crystal structure of mutator mutt from bartonella henselae
5	c3ef5A_	Alignment		99.9	28	PDB header: hydrolase Chain: A; PDB Molecule: probable pyrophosphohydrolase; PDBTitle: structure of the rna pyrophosphohydrolase bdrpph in complex with dgtp
6	c2pq1B_	Alignment		99.9	20	PDB header: hydrolase Chain: B; PDB Molecule: ap4a hydrolase; PDBTitle: crystal structure of ap4a hydrolase complexed with amp and2 atp (aq_158) from aquifex aeolicus vf5
7	c3grnB_	Alignment		99.9	25	PDB header: hydrolase Chain: B; PDB Molecule: mutt related protein; PDBTitle: crystal structure of mutt protein from methanosaarcina mazei go1
8	c3fk9B_	Alignment		99.9	17	PDB header: hydrolase Chain: B; PDB Molecule: mutator mutt protein; PDBTitle: crystal structure of mmutator mutt protein from bacillus2 halodurans
9	d1ryaa_	Alignment		99.9	22	Fold: Nudix Superfamily: Nudix Family: GDP-mannose mannosyl hydrolase NudD
10	c3exqA_	Alignment		99.9	16	PDB header: hydrolase Chain: A; PDB Molecule: nudix family hydrolase; PDBTitle: crystal structure of a nudix family hydrolase from2 lactobacillus brevis
11	d2b0va1	Alignment		99.9	20	Fold: Nudix Superfamily: Nudix Family: MutT-like

12	c3q4iA	Alignment		99.9	18	PDB header: hydrolase Chain: A: PDB Molecule: phosphohydrolase (mutt/nudix family protein); PDBTitle: crystal structure of cdp-chase in complex with gd3+
13	c3r03B	Alignment		99.9	31	PDB header: hydrolase Chain: B: PDB Molecule: nudix hydrolase; PDBTitle: the crystal structure of nudix hydrolase from rhodospirillum rubrum
14	c2o1cB	Alignment		99.9	19	PDB header: hydrolase Chain: B: PDB Molecule: datp pyrophosphohydrolase; PDBTitle: structure of the e. coli dihydronopterin triphosphate pyrophosphohydrolase
15	c3cngC	Alignment		99.9	19	PDB header: hydrolase Chain: C: PDB Molecule: nudix hydrolase; PDBTitle: crystal structure of nudix hydrolase from nitrosomonas europaea
16	c3h95A	Alignment		99.9	25	PDB header: gene regulation Chain: A: PDB Molecule: nucleoside diphosphate-linked moiety x motif 6; PDBTitle: crystal structure of the nudix domain of nudt6
17	d2fkba1	Alignment		99.9	26	Fold: Nudix Superfamily: Nudix Family: IPP isomerase-like
18	d1ppva	Alignment		99.9	25	Fold: Nudix Superfamily: Nudix Family: IPP isomerase-like
19	c2qj0B	Alignment		99.9	18	PDB header: transferase, hydrolase Chain: B: PDB Molecule: bifunctional nmn adenyltransferase/nudix hydrolase; PDBTitle: crystal structure of a bifunctional nmn adenyltransferase/adp ribose2 pyrophosphatase (nadm) complexed with adpr and nad from3 synechocystis sp.
20	c3dkuB	Alignment		99.9	16	PDB header: hydrolase Chain: B: PDB Molecule: putative phosphohydrolase; PDBTitle: crystal structure of nudix hydrolase orf153, ymf2, from2 escherichia coli k-1
21	d1k2ea	Alignment	not modelled	99.9	19	Fold: Nudix Superfamily: Nudix Family: MutT-like
22	d1hzta	Alignment	not modelled	99.9	25	Fold: Nudix Superfamily: Nudix Family: IPP isomerase-like
23	c3o8sA	Alignment	not modelled	99.9	19	PDB header: hydrolase Chain: A: PDB Molecule: adp-ribose pyrophosphatase; PDBTitle: crystal structure of an adp-ribose pyrophosphatase (ssu98_1448) from streptococcus suis 89-1591 at 2.27 a resolution
24	d2b06a1	Alignment	not modelled	99.9	19	Fold: Nudix Superfamily: Nudix Family: MutT-like
25	d1iryA	Alignment	not modelled	99.9	23	Fold: Nudix Superfamily: Nudix Family: MutT-like
26	c2kdvA	Alignment	not modelled	99.9	21	PDB header: hydrolase Chain: A: PDB Molecule: rna pyrophosphohydrolase; PDBTitle: solution structure of rna pyrophosphohydrolase rpph from2 escherichia coli
27	c2r5wA	Alignment	not modelled	99.9	18	PDB header: hydrolase, transferase Chain: A: PDB Molecule: nicotinamide-nucleotide adenyltransferase; PDBTitle: crystal structure of a bifunctional nmn2 adenyltransferase/adp ribose pyrophosphatase from3 francisella tularensis
28	c3gz8C	Alignment	not modelled	99.9	15	PDB header: dna binding protein Chain: C: PDB Molecule: mutt/nudix family protein; PDBTitle: cocrystal structure of nudix domain of shewanella

					oneidensis2 ntr complexed with adp ribose
29	d1vk6a2	Alignment	not modelled	99.9	19 Fold: Nudix Superfamily: Nudix Family: NADH pyrophosphatase
30	d1sjya	Alignment	not modelled	99.9	19 Fold: Nudix Superfamily: Nudix Family: MutT-like
31	c3f6aA	Alignment	not modelled	99.9	18 PDB header: hydrolase Chain: A: PDB Molecule: hydrolase, nudix family; PDBTitle: crystal structure of a hydrolase, nudix family from2 clostridium perfringens
32	c3sonB	Alignment	not modelled	99.8	17 PDB header: hydrolase Chain: B: PDB Molecule: hypothetical nudix hydrolase; PDBTitle: crystal structure of a hypothetical nudix hydrolase (lmo2365_2679)2 from listeria monocytogenes (atcc 19115) at 1.70 a resolution
33	d1vcda1	Alignment	not modelled	99.8	19 Fold: Nudix Superfamily: Nudix Family: MutT-like
34	d1xsba	Alignment	not modelled	99.8	24 Fold: Nudix Superfamily: Nudix Family: MutT-like
35	c3gg6A	Alignment	not modelled	99.8	20 PDB header: hydrolase Chain: A: PDB Molecule: nucleoside diphosphate-linked moiety x motif 18; PDBTitle: crystal structure of the nudix domain of human nudt18
36	d1x51a1	Alignment	not modelled	99.8	15 Fold: Nudix Superfamily: Nudix Family: MutY C-terminal domain-like
37	c3i9xA	Alignment	not modelled	99.8	21 PDB header: hydrolase Chain: A: PDB Molecule: mutt/nudix family protein; PDBTitle: crystal structure of a mutt/nudix family protein from listeria innocua
38	c2gb5B	Alignment	not modelled	99.8	19 PDB header: hydrolase Chain: B: PDB Molecule: nadh pyrophosphatase; PDBTitle: crystal structure of nadh pyrophosphatase (ec 3.6.1.22) (1790429) from escherichia coli k12 at 2.30 a resolution
39	c3fcmA	Alignment	not modelled	99.8	12 PDB header: hydrolase Chain: A: PDB Molecule: hydrolase, nudix family; PDBTitle: crystal structure of a nudix hydrolase from clostridium2 perfringens
40	c2pqvA	Alignment	not modelled	99.8	23 PDB header: structural genomics, unknown function Chain: A: PDB Molecule: mutt/nudix family protein; PDBTitle: crystal structure of mutt/nudix family protein from streptococcus2 pneumoniae
41	d1ktga	Alignment	not modelled	99.8	21 Fold: Nudix Superfamily: Nudix Family: MutT-like
42	d2azwa1	Alignment	not modelled	99.8	21 Fold: Nudix Superfamily: Nudix Family: MutT-like
43	d2fb1a2	Alignment	not modelled	99.8	18 Fold: Nudix Superfamily: Nudix Family: BT0354 N-terminal domain-like
44	c1rrqA	Alignment	not modelled	99.8	16 PDB header: hydrolase/dna Chain: A: PDB Molecule: muty; PDBTitle: muty adenine glycosylase in complex with dna containing an2 a:oxog pair
45	c2yyhC	Alignment	not modelled	99.8	25 PDB header: hydrolase Chain: C: PDB Molecule: 8-oxo-dgtpase domain; PDBTitle: crystal structure of nudix family protein from aquifex aeolicus
46	d1jkna	Alignment	not modelled	99.8	21 Fold: Nudix Superfamily: Nudix Family: MutT-like
47	c2i6kA	Alignment	not modelled	99.8	21 PDB header: isomerase Chain: A: PDB Molecule: isopentenyl-diphosphate delta-isomerase 1; PDBTitle: crystal structure of human type i ipp isomerase complexed2 with a substrate analog
48	c3gz6A	Alignment	not modelled	99.8	15 PDB header: dna binding protein/dna Chain: A: PDB Molecule: mutt/nudix family protein; PDBTitle: crystal structure of shewanella oneidensis ntr complexed2 with a 27mer dna
49	c2fb1A	Alignment	not modelled	99.8	19 PDB header: structural genomics, unknown function Chain: A: PDB Molecule: conserved hypothetical protein; PDBTitle: crystal structure of protein bt0354 from bacteroides thetaiotaomicron
50	c2jvbA	Alignment	not modelled	99.8	15 PDB header: hydrolase Chain: A: PDB Molecule: mRNA-decapping enzyme subunit 2; PDBTitle: solution structure of catalytic domain of ydcp2
51	d1nqza	Alignment	not modelled	99.8	20 Fold: Nudix Superfamily: Nudix Family: MutT-like
52	c3fjyB	Alignment	not modelled	99.8	18 PDB header: hydrolase Chain: B: PDB Molecule: probable mutt1 protein; PDBTitle: crystal structure of a probable mutt1 protein from bifidobacterium2 adolescentis
53	d2fvva1	Alignment	not modelled	99.8	20 Fold: Nudix Superfamily: Nudix Family: MutT-like
54	c2fvva	Alignment	not modelled	99.8	20 PDB header: hydrolase Chain: A: PDB Molecule: diphosphoinositol polyphosphate phosphohydrolase

55	c2pnyA	Alignment	not modelled	99.8	17	PDBTitle: human diphosphoinositol polyphosphate phosphohydrolase 1 PDB header: isomerase Chain: A: PDB Molecule: isopentenyl-diphosphate delta-isomerase 2; PDBTitle: structure of human isopentenyl-diphosphate delta-isomerase 2
56	c3edsA	Alignment	not modelled	99.8	19	PDB header: hydrolase Chain: A: PDB Molecule: mutt/nudix family protein; PDBTitle: crystal structure of a mutt/nudix family protein from bacillus2 thuringiensis
57	d2a6ta2	Alignment	not modelled	99.8	15	Fold: Nudix Superfamily: Nudix Family: mRNA decapping enzyme-like
58	d1rrqa2	Alignment	not modelled	99.8	15	Fold: Nudix Superfamily: Nudix Family: MutT C-terminal domain-like
59	c2qkmF	Alignment	not modelled	99.8	15	PDB header: hydrolase Chain: F: PDB Molecule: spac19a8.12 protein; PDBTitle: the crystal structure of fission yeast mrna decapping enzyme dcp1-dcp22 complex
60	d2o5fa1	Alignment	not modelled	99.8	27	Fold: Nudix Superfamily: Nudix Family: IPP isomerase-like
61	d2fmla2	Alignment	not modelled	99.8	19	Fold: Nudix Superfamily: Nudix Family: BT0354 N-terminal domain-like
62	c3rh7A	Alignment	not modelled	99.8	11	PDB header: oxidoreductase Chain: A: PDB Molecule: hypothetical oxidoreductase; PDBTitle: crystal structure of a hypothetical oxidoreductase (sma0793) fromz sinorhizobium meliloti 1021 at 3.00 a resolution
63	c3id9B	Alignment	not modelled	99.8	25	PDB header: hydrolase Chain: B: PDB Molecule: mutt/nudix family protein; PDBTitle: crystal structure of a mutt/nudix family protein from2 bacillus thuringiensis
64	c3f13A	Alignment	not modelled	99.7	28	PDB header: hydrolase Chain: A: PDB Molecule: putative nudix hydrolase family member; PDBTitle: crystal structure of putative nudix hydrolase family member2 from chromobacterium violaceum
65	c2yvoA	Alignment	not modelled	99.7	18	PDB header: hydrolase Chain: A: PDB Molecule: mutt/nudix family protein; PDBTitle: crystal structure of ndx2 in complex with mg2+ and amp from thermus2 thermophilus hb8
66	d1vhza	Alignment	not modelled	99.7	15	Fold: Nudix Superfamily: Nudix Family: MutT-like
67	c2w4eA	Alignment	not modelled	99.7	20	PDB header: hydrolase Chain: A: PDB Molecule: mutt/nudix family protein; PDBTitle: structure of an n-terminally truncated nudix hydrolase2 dr2204 from deinococcus radiodurans
68	d1v8ya	Alignment	not modelled	99.7	24	Fold: Nudix Superfamily: Nudix Family: MutT-like
69	c2fmlB	Alignment	not modelled	99.7	18	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: mutt/nudix family protein; PDBTitle: crystal structure of mutt/nudix family protein from enterococcus2 faecalis
70	c3bm4B	Alignment	not modelled	99.6	18	PDB header: hydrolase Chain: B: PDB Molecule: adp-sugar pyrophosphatase; PDBTitle: crystal structure of human adp-ribose pyrophosphatase nudt52 in complex with magnesium and ampcpr
71	d1g0sa	Alignment	not modelled	99.6	22	Fold: Nudix Superfamily: Nudix Family: MutT-like
72	c3e57A	Alignment	not modelled	99.6	18	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein tm1382; PDBTitle: crystal structure of tm1382, a putative nudix hydrolase
73	d1mfea	Alignment	not modelled	99.6	18	Fold: Nudix Superfamily: Nudix Family: MutT-like
74	c3dupB	Alignment	not modelled	99.6	17	PDB header: hydrolase Chain: B: PDB Molecule: mutt/nudix family protein; PDBTitle: crystal structure of mutt/nudix family hydrolase from rhodospirillum2 rubrum atcc 11170
75	d1q33a	Alignment	not modelled	99.5	28	Fold: Nudix Superfamily: Nudix Family: MutT-like
76	c3qsjA	Alignment	not modelled	99.5	17	PDB header: hydrolase Chain: A: PDB Molecule: nudix hydrolase; PDBTitle: crystal structure of nudix hydrolase from alicyclobacillus2 acidocaldarius
77	c3q91D	Alignment	not modelled	99.5	19	PDB header: hydrolase Chain: D: PDB Molecule: uridine diphosphate glucose pyrophosphatase; PDBTitle: crystal structure of human uridine diphosphate glucose pyrophosphatase2 (nudt14)
78	c2j8qb	Alignment	not modelled	99.5	21	PDB header: nuclear protein Chain: B: PDB Molecule: cleavage and polyadenylation specificity factor 5; PDBTitle: crystal structure of human cleavage and polyadenylation2 specificity factor 5 (cpsf5) in complex with a sulphate3 ion.
79	d1vua	Alignment	not modelled	99.4	12	Fold: Nudix Superfamily: Nudix Family: MutT-like

80	d1u20a1	Alignment	not modelled	99.3	24	Fold: Nudix Superfamily: Nudix Family: MutT-like
81	c3couA	Alignment	not modelled	98.1	27	PDB header: hydrolase Chain: A: PDB Molecule: nucleoside diphosphate-linked moiety x motif 16; PDBTitle: crystal structure of human nudix motif 16 (nudt16)
82	c3kvhA	Alignment	not modelled	97.0	26	PDB header: rna binding protein Chain: A: PDB Molecule: protein syndesmos; PDBTitle: crystal structure of human protein syndesmos (nudt16-like protein)
83	c3p5tE	Alignment	not modelled	96.7	21	PDB header: rna binding protein Chain: E: PDB Molecule: cleavage and polyadenylation specificity factor subunit 5; PDBTitle: cfim25-cfim68 complex
84	d1aopa2	Alignment	not modelled	11.1	11	Fold: Ferredoxin-like Superfamily: Nitrite/Sulfite reductase N-terminal domain-like Family: Duplicated SIR/NiR-like domains 1 and 3
85	d1g8ta	Alignment	not modelled	7.0	7	Fold: His-Me finger endonucleases Superfamily: His-Me finger endonucleases Family: DNA/RNA non-specific endonuclease
86	c2hdnE	Alignment	not modelled	6.7	18	PDB header: translation Chain: E: PDB Molecule: elongation factor ef-tu; PDBTitle: trypsin-modified elongation factor tu in complex with tetracycline at 2.8 angstrom resolution
87	d2dsya1	Alignment	not modelled	5.9	29	Fold: TTHA1013/TTHA0281-like Superfamily: TTHA1013/TTHA0281-like Family: TTHA0281-like
88	d2a2la1	Alignment	not modelled	5.9	25	Fold: Profilin-like Superfamily: GlcG-like Family: GlcG-like
89	d1tnsa	Alignment	not modelled	5.6	22	Fold: Putative DNA-binding domain Superfamily: Putative DNA-binding domain Family: Excisionase-like
90	c3fpvC	Alignment	not modelled	5.6	17	PDB header: heme binding protein Chain: C: PDB Molecule: extracellular haem-binding protein; PDBTitle: crystal structure of hbps