
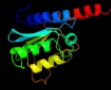










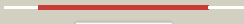












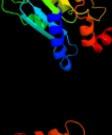
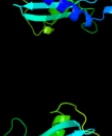



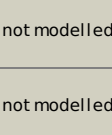


#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	dlz3aa1	 Alignment		100.0	100	Fold: Cytidine deaminase-like Superfamily: Cytidine deaminase-like Family: Deoxycytidylate deaminase-like
2	c2nx8A	 Alignment		100.0	37	PDB header: hydrolase Chain: A: PDB Molecule: trna-specific adenosine deaminase; PDBTitle: the crystal structure of the trna-specific adenosine deaminase from2 streptococcus pyogenes
3	d2b3ja1	 Alignment		100.0	44	Fold: Cytidine deaminase-like Superfamily: Cytidine deaminase-like Family: Deoxycytidylate deaminase-like
4	c3ocqA	 Alignment		100.0	92	PDB header: hydrolase Chain: A: PDB Molecule: putative cytosine/adenosine deaminase; PDBTitle: crystal structure of trna-specific adenosine deaminase from salmonella2 enterica
5	dlwwra1	 Alignment		100.0	41	Fold: Cytidine deaminase-like Superfamily: Cytidine deaminase-like Family: Deoxycytidylate deaminase-like
6	c2o7pA	 Alignment		100.0	34	PDB header: hydrolase, oxidoreductase Chain: A: PDB Molecule: riboflavin biosynthesis protein ribd; PDBTitle: the crystal structure of ribd from escherichia coli in complex with2 the oxidised nadp+ cofactor in the active site of the reductase3 domain
7	c2d5nB	 Alignment		100.0	38	PDB header: hydrolase, oxidoreductase Chain: B: PDB Molecule: riboflavin biosynthesis protein ribd; PDBTitle: crystal structure of a bifunctional deaminase and reductase2 involved in riboflavin biosynthesis
8	c2hxaA	 Alignment		100.0	34	PDB header: biosynthetic protein Chain: A: PDB Molecule: diaminohydroxyphosphoribosylaminopyrimidine deaminase/ 5- PDBTitle: crystal structure of a diaminohydroxyphosphoribosylaminopyrimidine2 deaminase/ 5-amino-6-(5-phosphoribosylamino)uracil reductase (tm1828)3 from thermotoga maritima at 1.80 a resolution
9	d2g84a1	 Alignment		100.0	31	Fold: Cytidine deaminase-like Superfamily: Cytidine deaminase-like Family: Deoxycytidylate deaminase-like
10	c3dh1D	 Alignment		100.0	34	PDB header: hydrolase Chain: D: PDB Molecule: trna-specific adenosine deaminase 2; PDBTitle: crystal structure of human trna-specific adenosine-34 deaminase2 subunit adad2
11	d2a8na1	 Alignment		100.0	42	Fold: Cytidine deaminase-like Superfamily: Cytidine deaminase-like Family: Deoxycytidylate deaminase-like

12	d1wkqa_	Alignment		100.0	29	Fold: Cytidine deaminase-like Superfamily: Cytidine deaminase-like Family: Deoxycytidylate deaminase-like
13	d1p6oa_	Alignment		100.0	29	Fold: Cytidine deaminase-like Superfamily: Cytidine deaminase-like Family: Deoxycytidylate deaminase-like
14	d2hxva2	Alignment		100.0	26	Fold: Cytidine deaminase-like Superfamily: Cytidine deaminase-like Family: Deoxycytidylate deaminase-like
15	d2b3za2	Alignment		100.0	40	Fold: Cytidine deaminase-like Superfamily: Cytidine deaminase-like Family: Deoxycytidylate deaminase-like
16	d1vq2a_	Alignment		100.0	27	Fold: Cytidine deaminase-like Superfamily: Cytidine deaminase-like Family: Deoxycytidylate deaminase-like
17	c2hvwC_	Alignment		100.0	29	PDB header: hydrolase Chain: C: PDB Molecule: deoxycytidylate deaminase; PDBTitle: crystal structure of dcmp deaminase from streptococcus2 mutans
18	c2w41C_	Alignment		100.0	28	PDB header: hydrolase Chain: C: PDB Molecule: deoxycytidylate deaminase; PDBTitle: human dcmp deaminase
19	d1uwza_	Alignment		98.3	16	Fold: Cytidine deaminase-like Superfamily: Cytidine deaminase-like Family: Cytidine deaminase
20	d2d30a1	Alignment		98.3	17	Fold: Cytidine deaminase-like Superfamily: Cytidine deaminase-like Family: Cytidine deaminase
21	d1r5ta_	Alignment	not modelled	98.2	18	Fold: Cytidine deaminase-like Superfamily: Cytidine deaminase-like Family: Cytidine deaminase
22	d1mq0a_	Alignment	not modelled	98.2	17	Fold: Cytidine deaminase-like Superfamily: Cytidine deaminase-like Family: Cytidine deaminase
23	d2fr5a1	Alignment	not modelled	98.2	18	Fold: Cytidine deaminase-like Superfamily: Cytidine deaminase-like Family: Cytidine deaminase
24	c3dmoD_	Alignment	not modelled	98.2	22	PDB header: hydrolase Chain: D: PDB Molecule: cytidine deaminase; PDBTitle: 1.6 a crystal structure of cytidine deaminase from2 burkholderia pseudomallei
25	c3ijfX_	Alignment	not modelled	98.1	17	PDB header: hydrolase Chain: X: PDB Molecule: cytidine deaminase; PDBTitle: crystal structure of cytidine deaminase from mycobacterium2 tuberculosis
26	c3r2nC_	Alignment	not modelled	98.0	15	PDB header: hydrolase Chain: C: PDB Molecule: cytidine deaminase; PDBTitle: crystal structure of cytidine deaminase from mycobacterium leprae
27	c3b8fB_	Alignment	not modelled	98.0	12	PDB header: hydrolase Chain: B: PDB Molecule: putative blastidicin s deaminase; PDBTitle: crystal structure of the cytidine deaminase from bacillus anthracis
28	d1alna1	Alignment	not modelled	97.8	23	Fold: Cytidine deaminase-like Superfamily: Cytidine deaminase-like Family: Cytidine deaminase
						Fold: Cytidine deaminase-like

29	d2z3ga1	Alignment	not modelled	97.8	13	Superfamily: Cytidine deaminase-like Family: Cytidine deaminase
30	c3oj6C_	Alignment	not modelled	97.7	10	PDB header: hydrolase Chain: C: PDB Molecule: blasticidin-s deaminase; PDBTitle: crystal structure of blasticidin s deaminase from coccidioides immitis
31	d1alna2	Alignment	not modelled	97.6	15	Fold: Cytidine deaminase-like Superfamily: Cytidine deaminase-like Family: Cytidine deaminase
32	c1alnA_	Alignment	not modelled	97.5	22	PDB header: hydrolase Chain: A: PDB Molecule: cytidine deaminase; PDBTitle: crystal structure of cytidine deaminase complexed with 3-deazacytidine
33	c3g8qA_	Alignment	not modelled	97.0	25	PDB header: rna binding protein Chain: A: PDB Molecule: predicted rna-binding protein, contains thump PDBTitle: a cytidine deaminase edits c-to-u in transfer rnas in2 archaea
34	c2nytB_	Alignment	not modelled	93.6	28	PDB header: hydrolase Chain: B: PDB Molecule: probable c->u-editing enzyme apobec-2; PDBTitle: the apobec2 crystal structure and functional implications2 for aid
35	c2kboA_	Alignment	not modelled	92.0	25	PDB header: hydrolase Chain: A: PDB Molecule: dna dc->du-editing enzyme apobec-3g; PDBTitle: structure, interaction, and real-time monitoring of the2 enzymatic reaction of wild type apobec3g
36	c3gxqA_	Alignment	not modelled	51.0	9	PDB header: hydrolase Chain: A: PDB Molecule: putative phosphatase (duf442); PDBTitle: crystal structure of putative phosphatase (duf442) (yp_001181608.1)2 from shewanella putrefaciens cn-32 at 1.60 a resolution
37	d1zbfa1	Alignment	not modelled	49.7	21	Fold: Ribonuclease H-like motif Superfamily: Ribonuclease H-like Family: Ribonuclease H
38	c3e9jC_	Alignment	not modelled	42.9	71	PDB header: oxidoreductase Chain: C: PDB Molecule: thiol/disulfide oxidoreductase dsbb; PDBTitle: structure of the charge-transfer intermediate of the2 transmembrane redox catalyst dsbb
39	d2hi7b1	Alignment	not modelled	42.9	71	Fold: Bromodomain-like Superfamily: DsbB-like Family: DsbB-like
40	d2b0va1	Alignment	not modelled	30.6	14	Fold: Nudix Superfamily: Nudix Family: MutT-like
41	c3dkuB_	Alignment	not modelled	27.7	11	PDB header: hydrolase Chain: B: PDB Molecule: putative phosphohydrolase; PDBTitle: crystal structure of nudix hydrolase orf153, ymf6, from2 escherichia coli k-1
42	c3ggmB_	Alignment	not modelled	24.8	13	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: uncharacterized protein bt9727_2919; PDBTitle: crystal structure of bt9727_2919 from bacillus2 thuringiensis subsp. northeast structural genomics target3 bur228b
43	c2lk2A_	Alignment	not modelled	20.9	17	PDB header: transcription Chain: A: PDB Molecule: homeobox protein tgif1; PDBTitle: solution nmr structure of homeobox domain (171-248) of human homeobox2 protein tgif1, northeast structural genomics consortium target3 hr4411b
44	c3rh7A_	Alignment	not modelled	15.7	32	PDB header: oxidoreductase Chain: A: PDB Molecule: hypothetical oxidoreductase; PDBTitle: crystal structure of a hypothetical oxidoreductase (sma0793) from2 sinorhizobium meliloti 1021 at 3.00 a resolution
45	c3o8sA_	Alignment	not modelled	15.3	9	PDB header: hydrolase Chain: A: PDB Molecule: adp-ribose pyrophosphatase; PDBTitle: crystal structure of an adp-ribose pyrophosphatase (ssu98_1448) from2 streptococcus suis 89-1591 at 2.27 a resolution
46	c3nznA_	Alignment	not modelled	14.6	20	PDB header: oxidoreductase Chain: A: PDB Molecule: glutaredoxin; PDBTitle: the crystal structure of the glutaredoxin from methanosarcina mazei2 go1
47	c3q4iA_	Alignment	not modelled	13.7	18	PDB header: hydrolase Chain: A: PDB Molecule: phosphohydrolase (mutt/nudix family protein); PDBTitle: crystal structure of cdp-chase in complex with gd3+
48	c3d2oB_	Alignment	not modelled	13.5	18	PDB header: hydrolase, biosynthetic protein Chain: B: PDB Molecule: upf0343 protein ngo0387; PDBTitle: crystal structure of manganese-metallated gtp cyclohydrolase2 type ib
49	d1j9ba_	Alignment	not modelled	13.2	17	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: ArsC-like
50	c2imrA_	Alignment	not modelled	13.0	36	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: hypothetical protein dr_0824; PDBTitle: crystal structure of amidohydrolase dr_0824 from2 deinococcus radiodurans
51	d1tza_	Alignment	not modelled	12.3	40	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Thioltransferase
52	d2fb5a1	Alignment	not modelled	11.7	29	Fold: Yojj-like Superfamily: Yojj-like Family: Yojj-like
53	c3ld0Q_	Alignment	not modelled	11.6	63	PDB header: gene regulation Chain: Q: PDB Molecule: inhibitor of trap, regulated by t-box (trp) sequence rtpa; PDBTitle: crystal structure of b.licheniformis anti-trap protein, an antagonist2 of trap-rna interactions
						Fold: LuxS/MPP-like metallohydrolase

54	d1hr6a1	Alignment	not modelled	11.4	13	Superfamily: LuxS/MPP-like metallohydrolase Family: MPP-like
55	c3ipzA_	Alignment	not modelled	10.7	15	PDB header: electron transport, oxidoreductase Chain: A: PDB Molecule: monothiol glutaredoxin-s14, chloroplastic; PDBTitle: crystal structure of arabidopsis monothiol glutaredoxin atgrxcp
56	d1xdpa4	Alignment	not modelled	10.6	16	Fold: Phospholipase D/nuclease Superfamily: Phospholipase D/nuclease Family: Polyphosphate kinase C-terminal domain
57	d2o8ra4	Alignment	not modelled	10.4	16	Fold: Phospholipase D/nuclease Superfamily: Phospholipase D/nuclease Family: Polyphosphate kinase C-terminal domain
58	c4a1oB_	Alignment	not modelled	9.7	21	PDB header: transferase-hydrolase Chain: B: PDB Molecule: bifunctional purine biosynthesis protein purh; PDBTitle: crystal structure of mycobacterium tuberculosis purh complexed with2 aicar and a novel nucleotide cfair, at 2.48 a resolution.
59	c2oodA_	Alignment	not modelled	9.7	21	PDB header: hydrolase Chain: A: PDB Molecule: blr3880 protein; PDBTitle: crystal structure of guanine deaminase from bradyrhizobium japonicum
60	c2klxA_	Alignment	not modelled	9.6	23	PDB header: oxidoreductase Chain: A: PDB Molecule: glutaredoxin; PDBTitle: solution structure of glutaredoxin from bartonella henselae str.2 houston
61	c2r5rA_	Alignment	not modelled	9.3	18	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: upf0343 protein ne1163; PDBTitle: the crystal structure of duf198 from nitrosomonas europaea2 atcc 19718
62	d1zcza2	Alignment	not modelled	9.0	16	Fold: Cytidine deaminase-like Superfamily: Cytidine deaminase-like Family: AlCAR transformylase domain of bifunctional purine biosynthesis enzyme ATIC
63	c2dmnA_	Alignment	not modelled	8.4	17	PDB header: transcription Chain: A: PDB Molecule: homeobox protein tgif2lx; PDBTitle: the solution structure of the homeobox domain of human2 homeobox protein tgif2lx
64	d1nuia2	Alignment	not modelled	8.4	27	Fold: Rubredoxin-like Superfamily: Zinc beta-ribbon Family: DNA primase zinc finger
65	c2pq1B_	Alignment	not modelled	8.0	29	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
66	c2kq2A_	Alignment	not modelled	7.6	15	PDB header: hydrolase Chain: A: PDB Molecule: ribonuclease h-related protein; PDBTitle: solution nmr structure of the apo form of a ribonuclease h2 domain of protein dsy1790 from desulfotobacterium3 hafnense, northeast structural genomics target dhr1a
67	d2drpa2	Alignment	not modelled	7.2	60	Fold: beta-beta-alpha zinc fingers Superfamily: beta-beta-alpha zinc fingers Family: Classic zinc finger, C2H2
68	c2khpA_	Alignment	not modelled	7.0	32	PDB header: electron transport Chain: A: PDB Molecule: glutaredoxin; PDBTitle: solution structure of glutaredoxin from brucella melitensis
69	c3hstD_	Alignment	not modelled	6.9	15	PDB header: hydrolase Chain: D: PDB Molecule: protein rv2228c/mt2287; PDBTitle: n-terminal rnase h domain of rv2228c from mycobacterium tuberculosis2 as a fusion protein with maltose binding protein
70	d1i1qb_	Alignment	not modelled	6.8	29	Fold: Flavodoxin-like Superfamily: Class I glutamine amidotransferase-like Family: Class I glutamine amidotransferases (GAT)
71	d2akla2	Alignment	not modelled	6.4	56	Fold: Rubredoxin-like Superfamily: Zinc beta-ribbon Family: PhnA zinc-binding domain
72	c2bx9J_	Alignment	not modelled	5.7	57	PDB header: transcription regulation Chain: J: PDB Molecule: tryptophan rna-binding attenuator protein-inhibitory PDBTitle: crystal structure of b.subtilis anti-trap protein, an2 antagonist of trap-rna interactions
73	c2xzn5_	Alignment	not modelled	5.7	70	PDB header: ribosome Chain: 5: PDB Molecule: ribosomal protein s26e containing protein; PDBTitle: crystal structure of the eukaryotic 40s ribosomal2 subunit in complex with initiation factor 1. this file3 contains the 40s subunit and initiation factor for4 molecule 2
74	d1vdda_	Alignment	not modelled	5.5	21	Fold: Recombination protein RecR Superfamily: Recombination protein RecR Family: Recombination protein RecR
75	d2r5yb1	Alignment	not modelled	5.4	11	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: Homeodomain
76	d2baia1	Alignment	not modelled	5.3	44	Fold: Viral leader polypeptide zinc finger Superfamily: Viral leader polypeptide zinc finger Family: Viral leader polypeptide zinc finger
77	d1k61a_	Alignment	not modelled	5.3	15	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: Homeodomain
78	d1du6a_	Alignment	not modelled	5.2	9	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: Homeodomain

79 [c2o8rA](#)

Alignment

not modelled

5.1

16

PDB header:transferase
Chain: A: **PDB Molecule:**polyphosphate kinase;
PDBTitle: crystal structure of polyphosphate kinase from2
porphyromonas gingivalis