








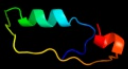

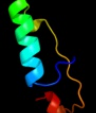
















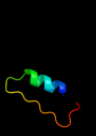




#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c3absD_	 Alignment		100.0	100	PDB header: lyase Chain: D: PDB Molecule: ethanolamine ammonia-lyase light chain; PDBTitle: crystal structure of ethanolamine ammonia-lyase from escherichia coli2 complexed with adeninylpentylcobalamin and ethanolamine
2	c3anyB_	 Alignment		100.0	100	PDB header: lyase Chain: B: PDB Molecule: ethanolamine ammonia-lyase light chain; PDBTitle: crystal structure of ethanolamine ammonia-lyase from escherichia coli2 complexed with cn-cbl and (r)-2-amino-1-propanol
3	c2e5cA_	 Alignment		75.7	28	PDB header: transferase Chain: A: PDB Molecule: nicotinamide phosphoribosyltransferase; PDBTitle: crystal structure of human nmprtase complexed with 5'-phosphoribosyl-2 1'-pyrophosphate
4	d2f7fa1	 Alignment		55.6	21	Fold: TIM beta/alpha-barrel Superfamily: Nicotinate/Quinolinate PRTase C-terminal domain-like Family: NadC C-terminal domain-like
5	c2i14B_	 Alignment		51.5	33	PDB header: transferase Chain: B: PDB Molecule: nicotinate-nucleotide pyrophosphorylase; PDBTitle: crystal structure of nicotinate-nucleotide2 pyrophosphorylase from pyrococcus furiosus
6	d1yira1	 Alignment		50.4	20	Fold: TIM beta/alpha-barrel Superfamily: Nicotinate/Quinolinate PRTase C-terminal domain-like Family: Monomeric nicotinate phosphoribosyltransferase C-terminal domain
7	d1dysa_	 Alignment		49.6	18	Fold: 7-stranded beta/alpha barrel Superfamily: Glycosyl hydrolases family 6, cellulases Family: Glycosyl hydrolases family 6, cellulases
8	c1yirA_	 Alignment		46.1	20	PDB header: transferase Chain: A: PDB Molecule: nicotinate phosphoribosyltransferase 2; PDBTitle: crystal structure of a nicotinate phosphoribosyltransferase
9	d2huha1	 Alignment		44.4	38	Fold: C2 domain-like Superfamily: Smr-associated domain-like Family: Smr-associated domain
10	d3bgsa1	 Alignment		43.7	23	Fold: Phosphorylase/hydrolase-like Superfamily: Purine and uridine phosphorylases Family: Purine and uridine phosphorylases
11	d2i14a1	 Alignment		43.4	31	Fold: TIM beta/alpha-barrel Superfamily: Nicotinate/Quinolinate PRTase C-terminal domain-like Family: NadC C-terminal domain-like

12	d3npa_	Alignment		42.0	23	Fold: Phosphorylase/hydrolase-like Superfamily: Purine and uridine phosphorylases Family: Purine and uridine phosphorylases
13	c3os4A_	Alignment		41.2	20	PDB header: transferase Chain: A: PDB Molecule: nicotinate phosphoribosyltransferase; PDBTitle: the crystal structure of nicotinate phosphoribosyltransferase from2 yersinia pestis
14	d1ytda1	Alignment		36.8	21	Fold: TIM beta/alpha-barrel Superfamily: Nicotinate/Quinolinate PRTase C-terminal domain-like Family: NadC C-terminal domain-like
15	c3ggsA_	Alignment		36.3	23	PDB header: transferase Chain: A: PDB Molecule: purine nucleoside phosphorylase; PDBTitle: human purine nucleoside phosphorylase double mutant e201q,n243d2 complexed with 2-fluoro-2'-deoxyadenosine
16	c2p4sA_	Alignment		35.9	28	PDB header: transferase Chain: A: PDB Molecule: purine nucleoside phosphorylase; PDBTitle: structure of purine nucleoside phosphorylase from anopheles gambiae in2 complex with dadme-immh
17	d1qjwa_	Alignment		34.0	22	Fold: 7-stranded beta/alpha barrel Superfamily: Glycosyl hydrolases family 6, cellulases Family: Glycosyl hydrolases family 6, cellulases
18	c3l0oB_	Alignment		33.8	35	PDB header: hydrolase Chain: B: PDB Molecule: transcription termination factor rho; PDBTitle: structure of rna-free rho transcription termination factor from2 thermotoga maritima
19	c2f7fA_	Alignment		32.0	21	PDB header: transferase Chain: A: PDB Molecule: nicotinate phosphoribosyltransferase, putative; PDBTitle: crystal structure of enterococcus faecalis putative nicotinate2 phosphoribosyltransferase, new york structural genomics consortium
20	d1ng6a_	Alignment		31.7	22	Fold: GatB/YqeY motif Superfamily: GatB/YqeY motif Family: GatB/YqeY domain
21	c1xpuB_	Alignment	not modelled	31.5	38	PDB header: transcription/rna Chain: B: PDB Molecule: rho transcription termination factor; PDBTitle: structural mechanism of inhibition of the rho transcription2 termination factor by the antibiotic 5a-(3-formylphenyl)sulfanyl)-3 dihydrobicyclomycin (fpdb)
22	c3otbB_	Alignment	not modelled	31.2	28	PDB header: transferase Chain: B: PDB Molecule: trna(his) guanylyltransferase; PDBTitle: crystal structure of human trnahis guanylyltransferase (thg1) - dgtp2 complex
23	c2gsoB_	Alignment	not modelled	31.1	20	PDB header: hydrolase Chain: B: PDB Molecule: phosphodiesterase-nucleotide pyrophosphatase; PDBTitle: structure of xac nucleotide2 pyrophosphatase/phosphodiesterase in complex with vanadate
24	d2vapa1	Alignment	not modelled	29.4	19	Fold: Tubulin nucleotide-binding domain-like Superfamily: Tubulin nucleotide-binding domain-like Family: Tubulin, GTPase domain
25	c1tcbB_	Alignment	not modelled	29.0	12	PDB header: transferase Chain: B: PDB Molecule: purine-nucleoside phosphorylase; PDBTitle: crystal structure of the purine nucleoside phosphorylase2 from schistosoma mansoni in complex with non-detergent3 sulfobetaine 195 and acetate
26	d1oc7a_	Alignment	not modelled	27.1	19	Fold: 7-stranded beta/alpha barrel Superfamily: Glycosyl hydrolases family 6, cellulases Family: Glycosyl hydrolases family 6, cellulases
27	c3a64A_	Alignment	not modelled	25.2	22	PDB header: hydrolase Chain: A: PDB Molecule: cellobiohydrolase; PDBTitle: crystal structure of cccel6c, a glycoside hydrolase family 62 enzyme, from coprinopsis cinerea
						Fold: Rv1873-like

28	d2jeka1	Alignment	not modelled	25.2	23	Superfamily: Rv1873-like Family: Rv1873-like
29	d1dk0a	Alignment	not modelled	24.7	25	Fold: Heme-binding protein A (HasA) Superfamily: Heme-binding protein A (HasA) Family: Heme-binding protein A (HasA)
30	d1ofua1	Alignment	not modelled	24.5	17	Fold: Tubulin nucleotide-binding domain-like Superfamily: Tubulin nucleotide-binding domain-like Family: Tubulin, GTPase domain
31	c3la8A	Alignment	not modelled	24.5	27	PDB header: transferase Chain: A: PDB Molecule: putative purine nucleoside phosphorylase; PDBTitle: the crystal structure of smu.1229 from streptococcus mutans ua159
32	d1qe5a	Alignment	not modelled	23.9	15	Fold: Phosphorylase/hydrolase-like Superfamily: Purine and uridine phosphorylases Family: Purine and uridine phosphorylases
33	c3ddrC	Alignment	not modelled	21.7	25	PDB header: membrane protein/heme binding protein Chain: C: PDB Molecule: hemophore hasa; PDBTitle: structure of the serratia marcescens hemophore receptor hasr-ile671gly2 mutant in complex with its hemophore hasa and heme
34	d1gda1	Alignment	not modelled	21.6	18	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: Recombinase DNA-binding domain
35	c2zf8A	Alignment	not modelled	21.4	24	PDB header: structural protein Chain: A: PDB Molecule: component of sodium-driven polar flagellar motor; PDBTitle: crystal structure of moty
36	c1ybeA	Alignment	not modelled	21.2	27	PDB header: transferase Chain: A: PDB Molecule: nicotinate phosphoribosyltransferase; PDBTitle: crystal structure of a nicotinate phosphoribosyltransferase
37	d1vmka	Alignment	not modelled	20.8	15	Fold: Phosphorylase/hydrolase-like Superfamily: Purine and uridine phosphorylases Family: Purine and uridine phosphorylases
38	d1rvxa	Alignment	not modelled	20.6	26	Fold: Viral protein domain Superfamily: Viral protein domain Family: Influenza hemagglutinin headpiece
39	c1vlpA	Alignment	not modelled	19.7	15	PDB header: transferase Chain: A: PDB Molecule: nicotinate phosphoribosyltransferase; PDBTitle: crystal structure of a putative nicotinate phosphoribosyltransferase2 (yor209c, npt1) from saccharomyces cerevisiae at 1.75 a resolution
40	c3dmaA	Alignment	not modelled	19.1	5	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: exopolyphosphatase-related protein; PDBTitle: crystal structure of an exopolyphosphatase-related protein2 from bacteroides fragilis. northeast structural genomics3 target bfr192
41	c1ytka	Alignment	not modelled	19.0	23	PDB header: transferase Chain: A: PDB Molecule: nicotinate phosphoribosyltransferase from thermoplasma PDBTitle: crystal structure of a nicotinate phosphoribosyltransferase from2 thermoplasma acidophilum with nicotinate mononucleotide
42	c2rhoB	Alignment	not modelled	18.8	19	PDB header: cell cycle Chain: B: PDB Molecule: cell division protein ftsz; PDBTitle: synthetic gene encoded bacillus subtilis ftsz ncs dimer with2 bound gdp and gtp-gamma-s
43	c1w5fA	Alignment	not modelled	18.6	17	PDB header: cell division Chain: A: PDB Molecule: cell division protein ftsz; PDBTitle: ftsz, t7 mutated, domain swapped (t. maritima)
44	c3crqA	Alignment	not modelled	18.4	12	PDB header: transferase Chain: A: PDB Molecule: trna delta(2)-isopentenylpyrophosphate PDBTitle: structure of trna dimethylallyltransferase: rna2 modification through a channel
45	c1b0aA	Alignment	not modelled	18.3	20	PDB header: oxidoreductase,hydrolase Chain: A: PDB Molecule: protein (fold bifunctional protein); PDBTitle: 5,10, methylene-tetrahydrofolate2 dehydrogenase/cyclohydrolase from e coli.
46	c3szzA	Alignment	not modelled	18.1	18	PDB header: hydrolase Chain: A: PDB Molecule: phosphonoacetate hydrolase; PDBTitle: crystal structure of phosphonoacetate hydrolase from sinorhizobium2 meliloti 1021 in complex with acetate
47	c2p10D	Alignment	not modelled	17.1	14	PDB header: hydrolase Chain: D: PDB Molecule: ml19387 protein; PDBTitle: crystal structure of a putative phosphonopyruvate hydrolase (ml19387)2 from mesorhizobium loti maff303099 at 2.15 a resolution
48	c2c2pA	Alignment	not modelled	16.8	24	PDB header: hydrolase Chain: A: PDB Molecule: g/u mismatch-specific dna glycosylase; PDBTitle: the crystal structure of mismatch specific uracil-dna2 glycosylase (mug) from deinococcus radiodurans
49	d1rq2a1	Alignment	not modelled	16.6	20	Fold: Tubulin nucleotide-binding domain-like Superfamily: Tubulin nucleotide-binding domain-like Family: Tubulin, GTPase domain
50	d2p10a1	Alignment	not modelled	16.2	14	Fold: TIM beta/alpha-barrel Superfamily: Phosphoenolpyruvate/pyruvate domain Family: Mil19387-like
51	c2vg2C	Alignment	not modelled	16.1	25	PDB header: transferase Chain: C: PDB Molecule: undecaprenyl pyrophosphate synthetase; PDBTitle: rv2361 with ipp
52	d1ybea1	Alignment	not modelled	15.7	27	Fold: TIM beta/alpha-barrel Superfamily: Nicotinate/Quinolinate PRTase C-terminal domain-like Family: Monomeric nicotinate phosphoribosyltransferase C-terminal domain

53	d1xpua3	Alignment	not modelled	15.5	27	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: RecA protein-like (ATPase-domain)
54	d2jdia3	Alignment	not modelled	15.5	10	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: RecA protein-like (ATPase-domain)
55	c2vawA	Alignment	not modelled	15.2	20	PDB header: cell cycle Chain: A: PDB Molecule: cell division protein ftsz; PDBTitle: ftsz pseudomonas aeruginosa gdp
56	c3q3qA	Alignment	not modelled	15.1	14	PDB header: hydrolase Chain: A: PDB Molecule: alkaline phosphatase; PDBTitle: crystal structure of spap: an novel alkaline phosphatase from2 bacterium sphingomonas sp. strain bsar-1
57	d1ilja	Alignment	not modelled	14.6	17	Fold: Molybdenum cofactor biosynthesis proteins Superfamily: Molybdenum cofactor biosynthesis proteins Family: MogA-like
58	d1ns5a	Alignment	not modelled	14.6	24	Fold: alpha/beta knot Superfamily: alpha/beta knot Family: YbeA-like
59	d1w5fa1	Alignment	not modelled	14.3	17	Fold: Tubulin nucleotide-binding domain-like Superfamily: Tubulin nucleotide-binding domain-like Family: Tubulin, GTPase domain
60	d1q6za1	Alignment	not modelled	14.3	16	Fold: DHS-like NAD/FAD-binding domain Superfamily: DHS-like NAD/FAD-binding domain Family: Pyruvate oxidase and decarboxylase, middle domain
61	c3khsB	Alignment	not modelled	14.1	27	PDB header: hydrolase Chain: B: PDB Molecule: purine nucleoside phosphorylase; PDBTitle: crystal structure of grouper iridovirus purine nucleoside2 phosphorylase
62	c2vxyA	Alignment	not modelled	14.0	20	PDB header: cell cycle Chain: A: PDB Molecule: cell division protein ftsz; PDBTitle: the structure of ftsz from bacillus subtilis at 1.7a2 resolution
63	c2r6r1	Alignment	not modelled	13.9	17	PDB header: cell cycle Chain: 1: PDB Molecule: cell division protein ftsz; PDBTitle: aquifex aeolicus ftsz
64	c1e9kA	Alignment	not modelled	13.8	29	PDB header: hydrolase Chain: A: PDB Molecule: camp specific phosphodiesterase pde4d5; PDBTitle: the structure of the rack1 interaction sites located within2 the unique n-terminal region of the camp-specific3 phosphodiesterase, pde4d5.
65	c1ofuB	Alignment	not modelled	13.4	20	PDB header: bacterial cell division inhibitor Chain: B: PDB Molecule: cell division protein ftsz; PDBTitle: crystal structure of sula:fts from pseudomonas aeruginosa
66	d1muga	Alignment	not modelled	13.1	24	Fold: Uracil-DNA glycosylase-like Superfamily: Uracil-DNA glycosylase-like Family: Mug-like
67	d2jdid3	Alignment	not modelled	13.0	50	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: RecA protein-like (ATPase-domain)
68	c2d3yA	Alignment	not modelled	12.9	33	PDB header: hydrolase Chain: A: PDB Molecule: uracil-dna glycosylase; PDBTitle: crystal structure of uracil-dna glycosylase from thermophilus2 hb8
69	c3ikbB	Alignment	not modelled	12.9	56	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: uncharacterized conserved protein; PDBTitle: the structure of a conserved protein from streptococcus2 mutans ua159.
70	d1fx0a3	Alignment	not modelled	12.9	15	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: RecA protein-like (ATPase-domain)
71	d1yo6a1	Alignment	not modelled	12.8	12	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: Tyrosine-dependent oxidoreductases
72	d1skye3	Alignment	not modelled	12.1	50	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: RecA protein-like (ATPase-domain)
73	c3cvjB	Alignment	not modelled	11.8	21	PDB header: isomerase Chain: B: PDB Molecule: putative phosphoheptose isomerase; PDBTitle: crystal structure of a putative phosphoheptose isomerase (bh3325) from2 bacillus halodurans c-125 at 2.00 a resolution
74	d1fx0b3	Alignment	not modelled	11.8	50	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: RecA protein-like (ATPase-domain)
75	c2rbaB	Alignment	not modelled	11.6	24	PDB header: hydrolase/dna Chain: B: PDB Molecule: g/t mismatch-specific thymine dna glycosylase; PDBTitle: structure of human thymine dna glycosylase bound to abasic and2 undamaged dna
76	c1w59B	Alignment	not modelled	11.6	23	PDB header: cell division Chain: B: PDB Molecule: cell division protein ftsz homolog 1; PDBTitle: ftsz dimer, empty (m. jannaschii)
77	c2c2xB	Alignment	not modelled	11.6	18	PDB header: oxidoreductase Chain: B: PDB Molecule: methylenetetrahydrofolate dehydrogenase- PDBTitle: three dimensional structure of bifunctional2 methylenetetrahydrofolate dehydrogenase-cyclohydrolase3 from mycobacterium tuberculosis Fold: P-loop containing nucleoside triphosphate hydrolases

78	d1skyb3	Alignment	not modelled	11.4	8	Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: RecA protein-like (ATPase-domain)
79	c2d07A_	Alignment	not modelled	11.1	39	PDB header: hydrolase Chain: A: PDB Molecule: g/t mismatch-specific thymine dna glycosylase; PDBTitle: crystal structure of sumo-3-modified thymine-dna glycosylase
80	c3ragA_	Alignment	not modelled	10.5	22	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of uncharacterized protein aaci_0196 from2 alicyclobacillus acidocaldarius subsp. acidocaldarius dsm 446
81	d1ecfa1	Alignment	not modelled	10.2	24	Fold: PRTase-like Superfamily: PRTase-like Family: Phosphoribosyltransferases (PRTases)
82	d1d0gr1	Alignment	not modelled	10.1	45	Fold: TNF receptor-like Superfamily: TNF receptor-like Family: TNF receptor-like
83	c2l25A_	Alignment	not modelled	9.8	17	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: np_888769.1
84	c3nglA_	Alignment	not modelled	9.8	20	PDB header: oxidoreductase, hydrolase Chain: A: PDB Molecule: bifunctional protein fold; PDBTitle: crystal structure of bifunctional 5,10-methylenetetrahydrofolate2 dehydrogenase / cyclohydrolase from thermoplasma acidophilum
85	c3lxqB_	Alignment	not modelled	9.8	15	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: uncharacterized protein vp1736; PDBTitle: the crystal structure of a protein in the alkaline2 phosphatase superfamily from vibrio parahaemolyticus to3 1.95a
86	c3kzvA_	Alignment	not modelled	9.6	24	PDB header: oxidoreductase Chain: A: PDB Molecule: uncharacterized oxidoreductase yir035c; PDBTitle: the crystal structure of a cytoplasmic protein with unknown function2 from saccharomyces cerevisiae
87	d1fsua_	Alignment	not modelled	9.4	18	Fold: Alkaline phosphatase-like Superfamily: Alkaline phosphatase-like Family: Arylsulfatase
88	c2q1yB_	Alignment	not modelled	9.4	19	PDB header: cell cycle, signaling protein Chain: B: PDB Molecule: cell division protein ftsz; PDBTitle: crystal structure of cell division protein ftsz from mycobacterium2 tuberculosis in complex with gtp-gamma-s
89	c2l6pA_	Alignment	not modelled	9.3	18	PDB header: structure genomics, unknown function Chain: A: PDB Molecule: phac1, phac2 and phad genes; PDBTitle: nmr solution structure of the protein np_253742.1
90	c1ecjB_	Alignment	not modelled	8.9	24	PDB header: transferase Chain: B: PDB Molecule: glutamine phosphoribosylpyrophosphate PDBTitle: escherichia coli glutamine phosphoribosylpyrophosphate2 (prpp) amidotransferase complexed with 2 amp per tetramer
91	d1ei6a_	Alignment	not modelled	8.9	22	Fold: Alkaline phosphatase-like Superfamily: Alkaline phosphatase-like Family: Phosphonoacetate hydrolase
92	c3fybA_	Alignment	not modelled	8.7	28	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: protein of unknown function (duf1244); PDBTitle: crystal structure of a protein of unknown function (duf1244) from2 alcanivorax borkumensis
93	d1kifa1	Alignment	not modelled	7.8	22	Fold: Nucleotide-binding domain Superfamily: Nucleotide-binding domain Family: D-aminoacid oxidase, N-terminal domain
94	d1yt3a1	Alignment	not modelled	7.8	12	Fold: SAM domain-like Superfamily: HRDC-like Family: RNase D C-terminal domains
95	d1g2oa_	Alignment	not modelled	7.8	24	Fold: Phosphorylase/hydrolase-like Superfamily: Purine and uridine phosphorylases Family: Purine and uridine phosphorylases
96	c3h87D_	Alignment	not modelled	7.7	25	PDB header: toxin/antitoxin Chain: D: PDB Molecule: putative uncharacterized protein; PDBTitle: rv0301 rv0300 toxin antitoxin complex from mycobacterium tuberculosis
97	d1wura1	Alignment	not modelled	7.5	10	Fold: T-fold Superfamily: Tetrahydrobiopterin biosynthesis enzymes-like Family: GTP cyclohydrolase I
98	c1wm9D_	Alignment	not modelled	7.5	10	PDB header: hydrolase Chain: D: PDB Molecule: gtp cyclohydrolase i; PDBTitle: structure of gtp cyclohydrolase i from thermus thermophilus hb8
99	d1hdha_	Alignment	not modelled	7.4	31	Fold: Alkaline phosphatase-like Superfamily: Alkaline phosphatase-like Family: Arylsulfatase