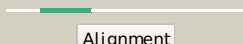
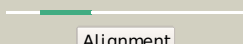
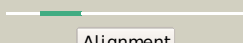
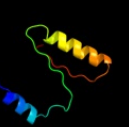
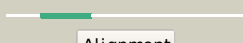
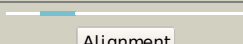
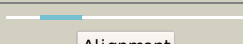
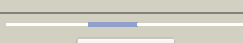
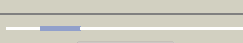
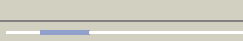
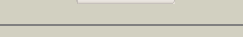


| #  | Template                | Alignment Coverage                                                                            | 3D Model                                                                            | Confidence | % i.d. | Template Information                                                                                                                                                                                                                                                          |
|----|-------------------------|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | <a href="#">c3b9xA_</a> |  Alignment   |    | 100.0      | 38     | <b>PDB header:</b> hydrolase<br><b>Chain:</b> A: <b>PDB Molecule:</b> pyrimidine-specific ribonucleoside hydrolase rihb;<br><b>PDBTitle:</b> crystal structure of the e. coli pyrimidine nucleoside hydrolase yeik2 in complex with inosine                                   |
| 2  | <a href="#">d1q8fa_</a> |  Alignment   |    | 100.0      | 38     | <b>Fold:</b> Nucleoside hydrolase<br><b>Superfamily:</b> Nucleoside hydrolase<br><b>Family:</b> Nucleoside hydrolase                                                                                                                                                          |
| 3  | <a href="#">d2masa_</a> |  Alignment   |    | 100.0      | 37     | <b>Fold:</b> Nucleoside hydrolase<br><b>Superfamily:</b> Nucleoside hydrolase<br><b>Family:</b> Nucleoside hydrolase                                                                                                                                                          |
| 4  | <a href="#">c1yoeA_</a> |  Alignment   |    | 100.0      | 45     | <b>PDB header:</b> hydrolase<br><b>Chain:</b> A: <b>PDB Molecule:</b> hypothetical protein ybek;<br><b>PDBTitle:</b> crystal structure of a the e. coli pyrimidine nucleoside hydrolase2 ybek with bound ribose                                                               |
| 5  | <a href="#">d1ezra_</a> |  Alignment |  | 100.0      | 37     | <b>Fold:</b> Nucleoside hydrolase<br><b>Superfamily:</b> Nucleoside hydrolase<br><b>Family:</b> Nucleoside hydrolase                                                                                                                                                          |
| 6  | <a href="#">c3fz0C_</a> |  Alignment |  | 100.0      | 29     | <b>PDB header:</b> hydrolase<br><b>Chain:</b> C: <b>PDB Molecule:</b> nucleoside hydrolase, putative;<br><b>PDBTitle:</b> inosine-guanosine nucleoside hydrolase (ig-nh)                                                                                                      |
| 7  | <a href="#">c2c40B_</a> |  Alignment |  | 100.0      | 24     | <b>PDB header:</b> hydrolase<br><b>Chain:</b> B: <b>PDB Molecule:</b> inosine-uridine preferring nucleoside hydrolase family<br><b>PDBTitle:</b> crystal structure of inosine-uridine preferring nucleoside2 hydrolase from bacillus anthracis at 2.2a resolution             |
| 8  | <a href="#">d1kica_</a> |  Alignment |  | 100.0      | 21     | <b>Fold:</b> Nucleoside hydrolase<br><b>Superfamily:</b> Nucleoside hydrolase<br><b>Family:</b> Nucleoside hydrolase                                                                                                                                                          |
| 9  | <a href="#">c2yhga_</a> |  Alignment |  | 99.5       | 21     | <b>PDB header:</b> hydrolase<br><b>Chain:</b> A: <b>PDB Molecule:</b> cellulose-binding protein;<br><b>PDBTitle:</b> ab initio phasing of a nucleoside hydrolase-related hypothetical2 protein from saccharophagus degradans that is associated with3 carbohydrate metabolism |
| 10 | <a href="#">d1gpmal</a> |  Alignment |  | 77.3       | 13     | <b>Fold:</b> Adenine nucleotide alpha hydrolase-like<br><b>Superfamily:</b> Adenine nucleotide alpha hydrolases-like<br><b>Family:</b> N-type ATP pyrophosphatases                                                                                                            |
| 11 | <a href="#">d2ocda1</a> |  Alignment |  | 49.0       | 22     | <b>Fold:</b> Glutaminase/Asparaginase<br><b>Superfamily:</b> Glutaminase/Asparaginase<br><b>Family:</b> Glutaminase/Asparaginase                                                                                                                                              |

|    |                         |                                                                                     |           |                                                                                     |      |    |                                                                                                                                                                                                                                                        |
|----|-------------------------|-------------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------|------|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 12 | <a href="#">d1o7ja_</a> |    | Alignment |     | 48.3 | 14 | <b>Fold:</b> Glutaminase/Asparaginase<br><b>Superfamily:</b> Glutaminase/Asparaginase<br><b>Family:</b> Glutaminase/Asparaginase                                                                                                                       |
| 13 | <a href="#">d1nnsa_</a> |    | Alignment |    | 48.1 | 16 | <b>Fold:</b> Glutaminase/Asparaginase<br><b>Superfamily:</b> Glutaminase/Asparaginase<br><b>Family:</b> Glutaminase/Asparaginase                                                                                                                       |
| 14 | <a href="#">d1o5za2</a> |    | Alignment |    | 47.8 | 15 | <b>Fold:</b> Ribokinase-like<br><b>Superfamily:</b> MurD-like peptide ligases, catalytic domain<br><b>Family:</b> Folylpolyglutamate synthetase                                                                                                        |
| 15 | <a href="#">d4pgaa_</a> |    | Alignment |    | 47.0 | 15 | <b>Fold:</b> Glutaminase/Asparaginase<br><b>Superfamily:</b> Glutaminase/Asparaginase<br><b>Family:</b> Glutaminase/Asparaginase                                                                                                                       |
| 16 | <a href="#">c2dplA_</a> |    | Alignment |    | 42.3 | 13 | <b>PDB header:</b> ligase<br><b>Chain:</b> A: <b>PDB Molecule:</b> gmp synthase [glutamine-hydrolyzing] subunit b;<br><b>PDBTitle:</b> crystal structure of the gmp synthase from pyrococcus horikoshii ot3                                            |
| 17 | <a href="#">c3r79B_</a> |    | Alignment |    | 35.7 | 15 | <b>PDB header:</b> structure genomics, unknown function<br><b>Chain:</b> B: <b>PDB Molecule:</b> uncharacterized protein;<br><b>PDBTitle:</b> crystal structure of an uncharacterized protein from agrobacterium2 tumefaciens                          |
| 18 | <a href="#">d1pkla3</a> |  | Alignment |  | 35.4 | 14 | <b>Fold:</b> Pyruvate kinase C-terminal domain-like<br><b>Superfamily:</b> PK C-terminal domain-like<br><b>Family:</b> Pyruvate kinase, C-terminal domain                                                                                              |
| 19 | <a href="#">d1e0ta3</a> |  | Alignment |  | 35.0 | 14 | <b>Fold:</b> Pyruvate kinase C-terminal domain-like<br><b>Superfamily:</b> PK C-terminal domain-like<br><b>Family:</b> Pyruvate kinase, C-terminal domain                                                                                              |
| 20 | <a href="#">d1agxa_</a> |  | Alignment |  | 34.9 | 12 | <b>Fold:</b> Glutaminase/Asparaginase<br><b>Superfamily:</b> Glutaminase/Asparaginase<br><b>Family:</b> Glutaminase/Asparaginase                                                                                                                       |
| 21 | <a href="#">c2z1dA_</a> |  | Alignment | not modelled                                                                        | 34.1 | 23 | <b>PDB header:</b> metal binding protein<br><b>Chain:</b> A: <b>PDB Molecule:</b> hydrogenase expression/formation protein hypd;<br><b>PDBTitle:</b> crystal structure of [nife] hydrogenase maturation protein, hypd from2 thermococcus kodakaraensis |
| 22 | <a href="#">d3bula2</a> |  | Alignment | not modelled                                                                        | 32.4 | 18 | <b>Fold:</b> Flavodoxin-like<br><b>Superfamily:</b> Cobalamin (vitamin B12)-binding domain<br><b>Family:</b> Cobalamin (vitamin B12)-binding domain                                                                                                    |
| 23 | <a href="#">c3uowB_</a> |  | Alignment | not modelled                                                                        | 30.8 | 15 | <b>PDB header:</b> ligase<br><b>Chain:</b> B: <b>PDB Molecule:</b> gmp synthetase;<br><b>PDBTitle:</b> crystal structure of pf10_0123, a gmp synthetase from plasmodium2 falciparum                                                                    |
| 24 | <a href="#">d2b3ya2</a> |  | Alignment | not modelled                                                                        | 30.5 | 31 | <b>Fold:</b> Aconitase iron-sulfur domain<br><b>Superfamily:</b> Aconitase iron-sulfur domain<br><b>Family:</b> Aconitase iron-sulfur domain                                                                                                           |
| 25 | <a href="#">c2zyiB_</a> |  | Alignment | not modelled                                                                        | 29.5 | 16 | <b>PDB header:</b> hydrolase<br><b>Chain:</b> B: <b>PDB Molecule:</b> lipase, putative;<br><b>PDBTitle:</b> a. fulgidus lipase with fatty acid fragment and calcium                                                                                    |
| 26 | <a href="#">d1ccwa_</a> |  | Alignment | not modelled                                                                        | 29.4 | 15 | <b>Fold:</b> Flavodoxin-like<br><b>Superfamily:</b> Cobalamin (vitamin B12)-binding domain<br><b>Family:</b> Cobalamin (vitamin B12)-binding domain                                                                                                    |
| 27 | <a href="#">c3tqiB_</a> |  | Alignment | not modelled                                                                        | 29.0 | 13 | <b>PDB header:</b> ligase<br><b>Chain:</b> B: <b>PDB Molecule:</b> gmp synthase [glutamine-hydrolyzing];<br><b>PDBTitle:</b> structure of the gmp synthase (guaa) from coxiella burnetii                                                               |
| 28 | <a href="#">c1wnfA_</a> |  | Alignment | not modelled                                                                        | 28.5 | 18 | <b>PDB header:</b> hydrolase<br><b>Chain:</b> A: <b>PDB Molecule:</b> l-asparaginase;<br><b>PDBTitle:</b> crystal structure of ph0066 from pyrococcus horikoshii                                                                                       |
|    |                         |  |           |                                                                                     |      |    | <b>PDB header:</b> ligase                                                                                                                                                                                                                              |

|    |                         |           |              |      |    |                                                                                                                                                                                                                                                                               |
|----|-------------------------|-----------|--------------|------|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 29 | <a href="#">c3p52B_</a> | Alignment | not modelled | 25.1 | 18 | <b>Chain:</b> B: <b>PDB Molecule:</b> nh(3)-dependent nad(+) synthetase;<br><b>PDBTitle:</b> nh3-dependent nad synthetase from campylobacter jejuni subsp. jejuni2 nctc 11168 in complex with the nitrate ion                                                                 |
| 30 | <a href="#">c1y80A_</a> | Alignment | not modelled | 23.8 | 11 | <b>PDB header:</b> structural genomics, unknown function<br><b>Chain:</b> A: <b>PDB Molecule:</b> predicted cobalamin binding protein;<br><b>PDBTitle:</b> structure of a corrinoid (factor iiii)-binding protein from2 moorella thermoacetica                                |
| 31 | <a href="#">d2c5sa1</a> | Alignment | not modelled | 23.6 | 13 | <b>Fold:</b> Adenine nucleotide alpha hydrolase-like<br><b>Superfamily:</b> Adenine nucleotide alpha hydrolases-like<br><b>Family:</b> Thil-like                                                                                                                              |
| 32 | <a href="#">c2vosA_</a> | Alignment | not modelled | 23.5 | 19 | <b>PDB header:</b> ligase<br><b>Chain:</b> A: <b>PDB Molecule:</b> folypolyglutamate synthase protein folc;<br><b>PDBTitle:</b> mycobacterium tuberculosis folypolyglutamate synthase2 complexed with adp                                                                     |
| 33 | <a href="#">d2gc6a2</a> | Alignment | not modelled | 22.9 | 13 | <b>Fold:</b> Ribokinaselike<br><b>Superfamily:</b> MurD-like peptide ligases, catalytic domain<br><b>Family:</b> Folypolyglutamate synthetase                                                                                                                                 |
| 34 | <a href="#">c3dlaD_</a> | Alignment | not modelled | 21.5 | 23 | <b>PDB header:</b> ligase<br><b>Chain:</b> D: <b>PDB Molecule:</b> glutamine-dependent nad(+) synthetase;<br><b>PDBTitle:</b> x-ray crystal structure of glutamine-dependent nad+ synthetase from2 mycobacterium tuberculosis bound to naad+ and don                          |
| 35 | <a href="#">c2d6fA_</a> | Alignment | not modelled | 20.4 | 20 | <b>PDB header:</b> ligase/rna<br><b>Chain:</b> A: <b>PDB Molecule:</b> glutamyl-trna(gln) amidotransferase subunit d;<br><b>PDBTitle:</b> crystal structure of glu-trna(gln) amidotransferase in the2 complex with trna(gln)                                                  |
| 36 | <a href="#">c1zq1B_</a> | Alignment | not modelled | 19.3 | 23 | <b>PDB header:</b> lyase<br><b>Chain:</b> B: <b>PDB Molecule:</b> glutamyl-trna(gln) amidotransferase subunit d;<br><b>PDBTitle:</b> structure of gatde trna-dependent amidotransferase from2 pyrococcus abyssi                                                               |
| 37 | <a href="#">d1wsaa_</a> | Alignment | not modelled | 19.1 | 13 | <b>Fold:</b> Glutaminase/Asparaginase<br><b>Superfamily:</b> Glutaminase/Asparaginase<br><b>Family:</b> Glutaminase/Asparaginase                                                                                                                                              |
| 38 | <a href="#">c3fiuD_</a> | Alignment | not modelled | 18.6 | 24 | <b>PDB header:</b> ligase<br><b>Chain:</b> D: <b>PDB Molecule:</b> nh(3)-dependent nad(+) synthetase;<br><b>PDBTitle:</b> structure of nmh synthetase from francisella tularensis                                                                                             |
| 39 | <a href="#">d2nu7b1</a> | Alignment | not modelled | 18.0 | 11 | <b>Fold:</b> Flavodoxin-like<br><b>Superfamily:</b> Succinyl-CoA synthetase domains<br><b>Family:</b> Succinyl-CoA synthetase domains                                                                                                                                         |
| 40 | <a href="#">c1bmtB_</a> | Alignment | not modelled | 16.3 | 18 | <b>PDB header:</b> methyltransferase<br><b>Chain:</b> B: <b>PDB Molecule:</b> methionine synthase;<br><b>PDBTitle:</b> how a protein binds b12: a 3.0 angstrom x-ray structure of2 the b12-binding domains of methionine synthase                                             |
| 41 | <a href="#">c2nu9E_</a> | Alignment | not modelled | 16.1 | 11 | <b>PDB header:</b> ligase<br><b>Chain:</b> E: <b>PDB Molecule:</b> succinyl-coa synthetase beta chain;<br><b>PDBTitle:</b> c123at mutant of e. coli succinyl-coa synthetase2 orthorhombic crystal form                                                                        |
| 42 | <a href="#">c1w8gA_</a> | Alignment | not modelled | 16.0 | 17 | <b>PDB header:</b> plp-binding protein<br><b>Chain:</b> A: <b>PDB Molecule:</b> hypothetical upf0001 protein yggs;<br><b>PDBTitle:</b> crystal structure of e. coli k-12 yggs                                                                                                 |
| 43 | <a href="#">c2wltA_</a> | Alignment | not modelled | 15.7 | 16 | <b>PDB header:</b> hydrolase<br><b>Chain:</b> A: <b>PDB Molecule:</b> l-asparaginase;<br><b>PDBTitle:</b> the crystal structure of helicobacter pylori l-asparaginase2 at 1.4 a resolution                                                                                    |
| 44 | <a href="#">d1tcaa_</a> | Alignment | not modelled | 15.1 | 14 | <b>Fold:</b> alpha/beta-Hydrolases<br><b>Superfamily:</b> alpha/beta-Hydrolases<br><b>Family:</b> Fungal lipases                                                                                                                                                              |
| 45 | <a href="#">c1w78A_</a> | Alignment | not modelled | 14.9 | 15 | <b>PDB header:</b> synthase<br><b>Chain:</b> A: <b>PDB Molecule:</b> folc bifunctional protein;<br><b>PDBTitle:</b> e.coli folc in complex with dhpp and adp                                                                                                                  |
| 46 | <a href="#">d1ru8a_</a> | Alignment | not modelled | 14.6 | 18 | <b>Fold:</b> Adenine nucleotide alpha hydrolase-like<br><b>Superfamily:</b> Adenine nucleotide alpha hydrolases-like<br><b>Family:</b> N-type ATP pyrophosphatases                                                                                                            |
| 47 | <a href="#">c3si9B_</a> | Alignment | not modelled | 14.2 | 10 | <b>PDB header:</b> lyase<br><b>Chain:</b> B: <b>PDB Molecule:</b> dihydrodipicolinate synthase;<br><b>PDBTitle:</b> crystal structure of dihydrodipicolinate synthase from bartonella2 henselae                                                                               |
| 48 | <a href="#">d2vk9a1</a> | Alignment | not modelled | 13.9 | 9  | <b>Fold:</b> Nucleotide-diphospho-sugar transferases<br><b>Superfamily:</b> Nucleotide-diphospho-sugar transferases<br><b>Family:</b> Glycosylating toxin catalytic domain-like                                                                                               |
| 49 | <a href="#">c3l1xA_</a> | Alignment | not modelled | 13.5 | 19 | <b>PDB header:</b> isomerase<br><b>Chain:</b> A: <b>PDB Molecule:</b> predicted amino acid aldolase or racemase;<br><b>PDBTitle:</b> crystal structure of an ala racemase-like protein (il1761) from2 idiomarina loihiensis at 1.50 a resolution                              |
| 50 | <a href="#">c2hmaA_</a> | Alignment | not modelled | 13.4 | 7  | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> probable trna (5-methylaminomethyl)-2-thiouridylate)-<br><b>PDBTitle:</b> the crystal structure of trna (5-methylaminomethyl)-2-thiouridylate)-2 methyltransferase trmu from streptococcus pneumoniae |
| 51 | <a href="#">d1d9ea_</a> | Alignment | not modelled | 13.4 | 9  | <b>Fold:</b> TIM beta/alpha-barrel<br><b>Superfamily:</b> Aldolase<br><b>Family:</b> Class I DAHP synthetase                                                                                                                                                                  |
| 52 | <a href="#">c3nxkE_</a> | Alignment | not modelled | 13.0 | 20 | <b>PDB header:</b> hydrolase<br><b>Chain:</b> E: <b>PDB Molecule:</b> cytoplasmic l-asparaginase;<br><b>PDBTitle:</b> crystal structure of probable cytoplasmic l-asparaginase from2 campylobacter jejuni                                                                     |
| 53 | <a href="#">d3cx5a2</a> | Alignment | not modelled | 12.7 | 4  | <b>Fold:</b> LuxS/MPP-like metallohydrolase<br><b>Superfamily:</b> LuxS/MPP-like metallohydrolase<br><b>Family:</b> MPP-like                                                                                                                                                  |
|    |                         |           |              |      |    | <b>PDB header:</b> transferase (glutamine amidotransferase)                                                                                                                                                                                                                   |

|    |                         |           |              |      |    |                                                                                                                                                                                                                                                                             |
|----|-------------------------|-----------|--------------|------|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 54 | <a href="#">c1gpmD_</a> | Alignment | not modelled | 12.4 | 13 | <b>Chain:</b> D: <b>PDB Molecule:</b> gmp synthetase;<br><b>PDBTitle:</b> escherichia coli gmp synthetase complexed with amp and pyrophosphate                                                                                                                              |
| 55 | <a href="#">d3clsc1</a> | Alignment | not modelled | 12.2 | 14 | <b>Fold:</b> Adenine nucleotide alpha hydrolase-like<br><b>Superfamily:</b> Adenine nucleotide alpha hydrolases-like<br><b>Family:</b> ETFP subunits                                                                                                                        |
| 56 | <a href="#">d1efvb_</a> | Alignment | not modelled | 11.5 | 21 | <b>Fold:</b> Adenine nucleotide alpha hydrolase-like<br><b>Superfamily:</b> Adenine nucleotide alpha hydrolases-like<br><b>Family:</b> ETFP subunits                                                                                                                        |
| 57 | <a href="#">c2derA_</a> | Alignment | not modelled | 11.3 | 8  | <b>PDB header:</b> transferase/rna<br><b>Chain:</b> A: <b>PDB Molecule:</b> trna-specific 2-thiouridylase mnma;<br><b>PDBTitle:</b> cocrystal structure of an rna sulfuration enzyme mnma and2 trna-glu in the initial trna binding state                                   |
| 58 | <a href="#">c1xtyD_</a> | Alignment | not modelled | 11.3 | 45 | <b>PDB header:</b> hydrolase<br><b>Chain:</b> D: <b>PDB Molecule:</b> peptidyl-trna hydrolase;<br><b>PDBTitle:</b> crystal structure of sulfolobus solfataricus peptidyl-trna2 hydrolase                                                                                    |
| 59 | <a href="#">c3cseA_</a> | Alignment | not modelled | 11.2 | 24 | <b>PDB header:</b> oxidoreductase<br><b>Chain:</b> A: <b>PDB Molecule:</b> dihydrofolate reductase;<br><b>PDBTitle:</b> candida glabrata dihydrofolate reductase complexed with2 nadph and 2,4-diamino-5-(3-(2,5-dimethoxyphenyl)prop-1-3 ynyl)-6-ethylpyrimidine (ucp120b) |
| 60 | <a href="#">c3bl5E_</a> | Alignment | not modelled | 11.0 | 9  | <b>PDB header:</b> hydrolase<br><b>Chain:</b> E: <b>PDB Molecule:</b> queuosine biosynthesis protein quec;<br><b>PDBTitle:</b> crystal structure of quec from bacillus subtilis: an enzyme2 involved in preq1 biosynthesis                                                  |
| 61 | <a href="#">c3sz8D_</a> | Alignment | not modelled | 11.0 | 10 | <b>PDB header:</b> transferase<br><b>Chain:</b> D: <b>PDB Molecule:</b> 2-dehydro-3-deoxyphosphooctonate aldolase 2;<br><b>PDBTitle:</b> crystal structure of 2-dehydro-3-deoxyphosphooctonate aldolase from2 burkholderia pseudomallei                                     |
| 62 | <a href="#">d1lw7a1</a> | Alignment | not modelled | 10.7 | 8  | <b>Fold:</b> Adenine nucleotide alpha hydrolase-like<br><b>Superfamily:</b> Nucleotidylyl transferase<br><b>Family:</b> Adenylyltransferase                                                                                                                                 |
| 63 | <a href="#">d1vbka1</a> | Alignment | not modelled | 10.5 | 12 | <b>Fold:</b> Adenine nucleotide alpha hydrolase-like<br><b>Superfamily:</b> Adenine nucleotide alpha hydrolases-like<br><b>Family:</b> Thil-like                                                                                                                            |
| 64 | <a href="#">c2d3kA_</a> | Alignment | not modelled | 10.3 | 55 | <b>PDB header:</b> hydrolase<br><b>Chain:</b> A: <b>PDB Molecule:</b> peptidyl-trna hydrolase;<br><b>PDBTitle:</b> structural study on project id ph1539 from pyrococcus2 horikoshii ot3                                                                                    |
| 65 | <a href="#">c2yxgD_</a> | Alignment | not modelled | 10.2 | 11 | <b>PDB header:</b> lyase<br><b>Chain:</b> D: <b>PDB Molecule:</b> dihydrodipicolinate synthase;<br><b>PDBTitle:</b> crystal structure of dihydrodipicolinate synthase (dapa)                                                                                                |
| 66 | <a href="#">d1liua3</a> | Alignment | not modelled | 10.2 | 17 | <b>Fold:</b> Pyruvate kinase C-terminal domain-like<br><b>Superfamily:</b> PK C-terminal domain-like<br><b>Family:</b> Pyruvate kinase, C-terminal domain                                                                                                                   |
| 67 | <a href="#">d1j20a1</a> | Alignment | not modelled | 10.1 | 14 | <b>Fold:</b> Adenine nucleotide alpha hydrolase-like<br><b>Superfamily:</b> Adenine nucleotide alpha hydrolases-like<br><b>Family:</b> N-type ATP pyrophosphatases                                                                                                          |
| 68 | <a href="#">d1kqpa_</a> | Alignment | not modelled | 10.1 | 20 | <b>Fold:</b> Adenine nucleotide alpha hydrolase-like<br><b>Superfamily:</b> Adenine nucleotide alpha hydrolases-like<br><b>Family:</b> N-type ATP pyrophosphatases                                                                                                          |
| 69 | <a href="#">d2bcea_</a> | Alignment | not modelled | 10.0 | 20 | <b>Fold:</b> alpha/beta-Hydrolases<br><b>Superfamily:</b> alpha/beta-Hydrolases<br><b>Family:</b> Acetylcholinesterase-like                                                                                                                                                 |
| 70 | <a href="#">c2zv3E_</a> | Alignment | not modelled | 9.7  | 64 | <b>PDB header:</b> hydrolase<br><b>Chain:</b> E: <b>PDB Molecule:</b> peptidyl-trna hydrolase;<br><b>PDBTitle:</b> crystal structure of project mj0051 from methanocaldococcus2 jannaschii dsm 2661                                                                         |
| 71 | <a href="#">d1q7sa_</a> | Alignment | not modelled | 9.5  | 45 | <b>Fold:</b> Peptidyl-tRNA hydrolase II<br><b>Superfamily:</b> Peptidyl-tRNA hydrolase II<br><b>Family:</b> Peptidyl-tRNA hydrolase II                                                                                                                                      |
| 72 | <a href="#">d1bd0a2</a> | Alignment | not modelled | 9.5  | 26 | <b>Fold:</b> TIM beta/alpha-barrel<br><b>Superfamily:</b> PLP-binding barrel<br><b>Family:</b> Alanine racemase-like, N-terminal domain                                                                                                                                     |
| 73 | <a href="#">d1ik6a2</a> | Alignment | not modelled | 9.3  | 33 | <b>Fold:</b> TK C-terminal domain-like<br><b>Superfamily:</b> TK C-terminal domain-like<br><b>Family:</b> Branched-chain alpha-keto acid dehydrogenase beta-subunit, C-terminal-domain                                                                                      |
| 74 | <a href="#">d3erja1</a> | Alignment | not modelled | 9.0  | 55 | <b>Fold:</b> Peptidyl-tRNA hydrolase II<br><b>Superfamily:</b> Peptidyl-tRNA hydrolase II<br><b>Family:</b> Peptidyl-tRNA hydrolase II                                                                                                                                      |
| 75 | <a href="#">d2g50a3</a> | Alignment | not modelled | 8.9  | 14 | <b>Fold:</b> Pyruvate kinase C-terminal domain-like<br><b>Superfamily:</b> PK C-terminal domain-like<br><b>Family:</b> Pyruvate kinase, C-terminal domain                                                                                                                   |
| 76 | <a href="#">d1xnga1</a> | Alignment | not modelled | 8.8  | 14 | <b>Fold:</b> Adenine nucleotide alpha hydrolase-like<br><b>Superfamily:</b> Adenine nucleotide alpha hydrolases-like<br><b>Family:</b> N-type ATP pyrophosphatases                                                                                                          |
| 77 | <a href="#">c1o5zA_</a> | Alignment | not modelled | 8.7  | 15 | <b>PDB header:</b> ligase<br><b>Chain:</b> A: <b>PDB Molecule:</b> folylpolyglutamate synthase/dihydrofolate synthase;<br><b>PDBTitle:</b> crystal structure of folylpolyglutamate synthase (tm0166) from2 thermotoga maritima at 2.10 a resolution                         |
| 78 | <a href="#">d1hioa_</a> | Alignment | not modelled | 8.7  | 14 | <b>Fold:</b> Histone-fold<br><b>Superfamily:</b> Histone-fold<br><b>Family:</b> Nucleosome core histones                                                                                                                                                                    |
| 79 | <a href="#">d5mdha1</a> | Alignment | not modelled | 8.6  | 20 | <b>Fold:</b> NAD(P)-binding Rossmann-fold domains<br><b>Superfamily:</b> NAD(P)-binding Rossmann-fold domains<br><b>Family:</b> LDH N-terminal domain-like                                                                                                                  |
| 80 | <a href="#">d2bvla1</a> | Alignment | not modelled | 8.4  | 17 | <b>Fold:</b> Nucleotide-diphospho-sugar transferases<br><b>Superfamily:</b> Nucleotide-diphospho-sugar transferases                                                                                                                                                         |

|    |                         |           |              |     |                                                                                                                                                                                                                                                                      |
|----|-------------------------|-----------|--------------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |                         |           |              |     | <b>Family:</b> Glycosylating toxin catalytic domain-like                                                                                                                                                                                                             |
| 81 | <a href="#">c1eucB</a>  | Alignment | not modelled | 8.4 | 15<br><b>PDB header:</b> ligase<br><b>Chain:</b> B: <b>PDB Molecule:</b> succinyl-coa synthetase, beta chain;<br><b>PDBTitle:</b> crystal structure of dephosphorylated pig heart, gtp-2 specific succinyl-coa synthetase                                            |
| 82 | <a href="#">c3ezxA</a>  | Alignment | not modelled | 8.4 | 12<br><b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> monomethylamine corrinoid protein 1;<br><b>PDBTitle:</b> structure of methanosarcina barkeri monomethylamine2 corrinoid protein                                                        |
| 83 | <a href="#">d1rlka</a>  | Alignment | not modelled | 8.0 | 36<br><b>Fold:</b> Peptidyl-tRNA hydrolase II<br><b>Superfamily:</b> Peptidyl-tRNA hydrolase II<br><b>Family:</b> Peptidyl-tRNA hydrolase II                                                                                                                         |
| 84 | <a href="#">d2d6fa2</a> | Alignment | not modelled | 8.0 | 20<br><b>Fold:</b> Glutaminase/Asparaginase<br><b>Superfamily:</b> Glutaminase/Asparaginase<br><b>Family:</b> Glutaminase/Asparaginase                                                                                                                               |
| 85 | <a href="#">d1t1ra2</a> | Alignment | not modelled | 8.0 | 28<br><b>Fold:</b> NAD(P)-binding Rossmann-fold domains<br><b>Superfamily:</b> NAD(P)-binding Rossmann-fold domains<br><b>Family:</b> Glyceraldehyde-3-phosphate dehydrogenase-like, N-terminal domain                                                               |
| 86 | <a href="#">c2dy3B</a>  | Alignment | not modelled | 7.8 | 20<br><b>PDB header:</b> isomerase<br><b>Chain:</b> B: <b>PDB Molecule:</b> alanine racemase;<br><b>PDBTitle:</b> crystal structure of alanine racemase from corynebacterium glutamicum                                                                              |
| 87 | <a href="#">c3rg9A</a>  | Alignment | not modelled | 7.8 | 26<br><b>PDB header:</b> oxidoreductase/oxidoreductase inhibitor<br><b>Chain:</b> A: <b>PDB Molecule:</b> bifunctional dihydrofolate reductase-thymidylate synthase;<br><b>PDBTitle:</b> trypanosoma brucei dihydrofolate reductase (tdhfr) in complex with2 wr99210 |
| 88 | <a href="#">c2gc6A</a>  | Alignment | not modelled | 7.6 | 13<br><b>PDB header:</b> ligase<br><b>Chain:</b> A: <b>PDB Molecule:</b> folylpolyglutamate synthase;<br><b>PDBTitle:</b> s73a mutant of l. casei fpgs                                                                                                               |
| 89 | <a href="#">d1o94c</a>  | Alignment | not modelled | 7.6 | 13<br><b>Fold:</b> Adenine nucleotide alpha hydrolase-like<br><b>Superfamily:</b> Adenine nucleotide alpha hydrolases-like<br><b>Family:</b> ETFP subunits                                                                                                           |
| 90 | <a href="#">d1k4ya</a>  | Alignment | not modelled | 7.4 | 20<br><b>Fold:</b> alpha/beta-Hydrolases<br><b>Superfamily:</b> alpha/beta-Hydrolases<br><b>Family:</b> Acetylcholinesterase-like                                                                                                                                    |
| 91 | <a href="#">c3jz0B</a>  | Alignment | not modelled | 7.3 | 18<br><b>PDB header:</b> transferase/antibiotic<br><b>Chain:</b> B: <b>PDB Molecule:</b> lincosamide nucleotidyltransferase;<br><b>PDBTitle:</b> linb complexed with clindamycin and ampcpp                                                                          |
| 92 | <a href="#">c3kw3B</a>  | Alignment | not modelled | 7.3 | 10<br><b>PDB header:</b> isomerase<br><b>Chain:</b> B: <b>PDB Molecule:</b> alanine racemase;<br><b>PDBTitle:</b> crystal structure of alanine racemase from bartonella henselae with2 covalently bound pyridoxal phosphate                                          |
| 93 | <a href="#">d1qs0b2</a> | Alignment | not modelled | 7.3 | 21<br><b>Fold:</b> TK C-terminal domain-like<br><b>Superfamily:</b> TK C-terminal domain-like<br><b>Family:</b> Branched-chain alpha-keto acid dehydrogenase beta-subunit, C-terminal-domain                                                                         |
| 94 | <a href="#">d1u35c1</a> | Alignment | not modelled | 7.0 | 18<br><b>Fold:</b> Histone-fold<br><b>Superfamily:</b> Histone-fold<br><b>Family:</b> Nucleosome core histones                                                                                                                                                       |
| 95 | <a href="#">d7reqa2</a> | Alignment | not modelled | 7.0 | 14<br><b>Fold:</b> Flavodoxin-like<br><b>Superfamily:</b> Cobalamin (vitamin B12)-binding domain<br><b>Family:</b> Cobalamin (vitamin B12)-binding domain                                                                                                            |
| 96 | <a href="#">d2ozlb2</a> | Alignment | not modelled | 6.8 | 21<br><b>Fold:</b> TK C-terminal domain-like<br><b>Superfamily:</b> TK C-terminal domain-like<br><b>Family:</b> Branched-chain alpha-keto acid dehydrogenase beta-subunit, C-terminal-domain                                                                         |
| 97 | <a href="#">d2pg3a1</a> | Alignment | not modelled | 6.7 | 15<br><b>Fold:</b> Adenine nucleotide alpha hydrolase-like<br><b>Superfamily:</b> Adenine nucleotide alpha hydrolases-like<br><b>Family:</b> N-type ATP pyrophosphatases                                                                                             |
| 98 | <a href="#">d1qe3a</a>  | Alignment | not modelled | 6.6 | 18<br><b>Fold:</b> alpha/beta-Hydrolases<br><b>Superfamily:</b> alpha/beta-Hydrolases<br><b>Family:</b> Acetylcholinesterase-like                                                                                                                                    |
| 99 | <a href="#">c1vl2C</a>  | Alignment | not modelled | 6.6 | 19<br><b>PDB header:</b> ligase<br><b>Chain:</b> C: <b>PDB Molecule:</b> argininosuccinate synthase;<br><b>PDBTitle:</b> crystal structure of argininosuccinate synthase (tm1780) from2 thermotoga maritima at 1.65 a resolution                                     |