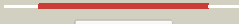



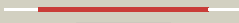




















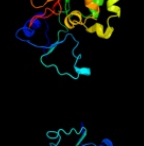
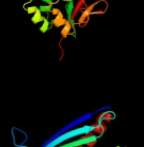
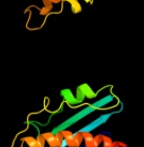
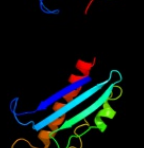

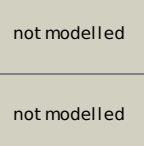
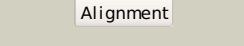


| #  | Template                | Alignment Coverage  | 3D Model  | Confidence | % i.d. | Template Information  |
|----|-------------------------|---|---|------------|--------|---|
| 1  | <a href="#">c1t3qF_</a> |  Alignment   |    | 100.0      | 20     | <b>PDB header:</b> oxidoreductase<br><b>Chain:</b> F: <b>PDB Molecule:</b> quinoline 2-oxidoreductase medium subunit;<br><b>PDBTitle:</b> crystal structure of quinoline 2-oxidoreductase from pseudomonas2 putida 86   |
| 2  | <a href="#">c1n62C_</a> |  Alignment   |    | 100.0      | 24     | <b>PDB header:</b> oxidoreductase<br><b>Chain:</b> C: <b>PDB Molecule:</b> carbon monoxide dehydrogenase medium chain;<br><b>PDBTitle:</b> crystal structure of the mo,cu-co dehydrogenase (codh), n-2 butylisocyanide-bound state                                |
| 3  | <a href="#">c3hrdC_</a> |  Alignment   |    | 100.0      | 24     | <b>PDB header:</b> oxidoreductase<br><b>Chain:</b> C: <b>PDB Molecule:</b> nicotinate dehydrogenase fad-subunit;<br><b>PDBTitle:</b> crystal structure of nicotinate dehydrogenase  |
| 4  | <a href="#">c1ffuF_</a> |  Alignment   |    | 100.0      | 28     | <b>PDB header:</b> hydrolase<br><b>Chain:</b> F: <b>PDB Molecule:</b> cutm, flavoprotein of carbon monoxide<br><b>PDBTitle:</b> carbon monoxide dehydrogenase from hydrogenophaga2 pseudoflava which lacks the mo-pyranopterin moiety of the3 molybdenum cofactor |
| 5  | <a href="#">c2w3rG_</a> |  Alignment |  | 100.0      | 23     | <b>PDB header:</b> oxidoreductase<br><b>Chain:</b> G: <b>PDB Molecule:</b> xanthine dehydrogenase;<br><b>PDBTitle:</b> crystal structure of xanthine dehydrogenase (desulfo form)2 from rhodobacter capsulatus in complex with hypoxanthine                       |
| 6  | <a href="#">c1wygA_</a> |  Alignment |  | 100.0      | 20     | <b>PDB header:</b> oxidoreductase<br><b>Chain:</b> A: <b>PDB Molecule:</b> xanthine dehydrogenase/oxidase;<br><b>PDBTitle:</b> crystal structure of a rat xanthine dehydrogenase triple mutant2 (c535a, c992r and c1324s)   |
| 7  | <a href="#">c3etrM_</a> |  Alignment |  | 100.0      | 19     | <b>PDB header:</b> oxidoreductase<br><b>Chain:</b> M: <b>PDB Molecule:</b> xanthine dehydrogenase/oxidase;<br><b>PDBTitle:</b> crystal structure of xanthine oxidase in complex with2 lumazine  |
| 8  | <a href="#">c3b9jJ_</a> |  Alignment |  | 100.0      | 19     | <b>PDB header:</b> oxidoreductase<br><b>Chain:</b> J: <b>PDB Molecule:</b> xanthine oxidase;<br><b>PDBTitle:</b> structure of xanthine oxidase with 2-hydroxy-6-methylpurine  |
| 9  | <a href="#">c1rm6E_</a> |  Alignment |  | 100.0      | 22     | <b>PDB header:</b> oxidoreductase<br><b>Chain:</b> E: <b>PDB Molecule:</b> 4-hydroxybenzoyl-coa reductase beta subunit;<br><b>PDBTitle:</b> structure of 4-hydroxybenzoyl-coa reductase from thauera2 aromatica   |
| 10 | <a href="#">d1n62c2</a> |  Alignment |  | 100.0      | 25     | <b>Fold:</b> FAD-binding/transporter-associated domain-like<br><b>Superfamily:</b> FAD-binding/transporter-associated domain-like<br><b>Family:</b> CO dehydrogenase flavoprotein N-terminal domain-like  |
| 11 | <a href="#">d1ffvc2</a> |  Alignment |  | 100.0      | 25     | <b>Fold:</b> FAD-binding/transporter-associated domain-like<br><b>Superfamily:</b> FAD-binding/transporter-associated domain-like<br><b>Family:</b> CO dehydrogenase flavoprotein N-terminal domain-like  |

|    |                         |           |   |       |    |   |
|----|-------------------------|-----------|---|-------|----|---|
| 12 | <a href="#">d1t3qc2</a> | Alignment |     | 100.0 | 22 | <b>Fold:</b> FAD-binding/transporter-associated domain-like<br><b>Superfamily:</b> FAD-binding/transporter-associated domain-like<br><b>Family:</b> CO dehydrogenase flavoprotein N-terminal domain-like  |
| 13 | <a href="#">d1v97a6</a> | Alignment |    | 100.0 | 21 | <b>Fold:</b> FAD-binding/transporter-associated domain-like<br><b>Superfamily:</b> FAD-binding/transporter-associated domain-like<br><b>Family:</b> CO dehydrogenase flavoprotein N-terminal domain-like  |
| 14 | <a href="#">d1rm6b2</a> | Alignment |    | 100.0 | 23 | <b>Fold:</b> FAD-binding/transporter-associated domain-like<br><b>Superfamily:</b> FAD-binding/transporter-associated domain-like<br><b>Family:</b> CO dehydrogenase flavoprotein N-terminal domain-like  |
| 15 | <a href="#">d1jroa4</a> | Alignment |    | 100.0 | 25 | <b>Fold:</b> FAD-binding/transporter-associated domain-like<br><b>Superfamily:</b> FAD-binding/transporter-associated domain-like<br><b>Family:</b> CO dehydrogenase flavoprotein N-terminal domain-like  |
| 16 | <a href="#">d3b9jb2</a> | Alignment |    | 100.0 | 21 | <b>Fold:</b> FAD-binding/transporter-associated domain-like<br><b>Superfamily:</b> FAD-binding/transporter-associated domain-like<br><b>Family:</b> CO dehydrogenase flavoprotein N-terminal domain-like  |
| 17 | <a href="#">d1v97a4</a> | Alignment |   | 99.9  | 16 | <b>Fold:</b> CO dehydrogenase flavoprotein C-domain-like<br><b>Superfamily:</b> CO dehydrogenase flavoprotein C-terminal domain-like<br><b>Family:</b> CO dehydrogenase flavoprotein C-terminal domain-like   |
| 18 | <a href="#">d1jroa3</a> | Alignment |  | 99.9  | 21 | <b>Fold:</b> CO dehydrogenase flavoprotein C-domain-like<br><b>Superfamily:</b> CO dehydrogenase flavoprotein C-terminal domain-like<br><b>Family:</b> CO dehydrogenase flavoprotein C-terminal domain-like   |
| 19 | <a href="#">d1t3qc1</a> | Alignment |  | 99.8  | 18 | <b>Fold:</b> CO dehydrogenase flavoprotein C-domain-like<br><b>Superfamily:</b> CO dehydrogenase flavoprotein C-terminal domain-like<br><b>Family:</b> CO dehydrogenase flavoprotein C-terminal domain-like   |
| 20 | <a href="#">d1n62c1</a> | Alignment |  | 99.8  | 22 | <b>Fold:</b> CO dehydrogenase flavoprotein C-domain-like<br><b>Superfamily:</b> CO dehydrogenase flavoprotein C-terminal domain-like<br><b>Family:</b> CO dehydrogenase flavoprotein C-terminal domain-like   |
| 21 | <a href="#">d1ffvc1</a> | Alignment | not modelled  | 99.8  | 30 | <b>Fold:</b> CO dehydrogenase flavoprotein C-domain-like<br><b>Superfamily:</b> CO dehydrogenase flavoprotein C-terminal domain-like<br><b>Family:</b> CO dehydrogenase flavoprotein C-terminal domain-like   |
| 22 | <a href="#">d1rm6b1</a> | Alignment | not modelled  | 99.8  | 22 | <b>Fold:</b> CO dehydrogenase flavoprotein C-domain-like<br><b>Superfamily:</b> CO dehydrogenase flavoprotein C-terminal domain-like<br><b>Family:</b> CO dehydrogenase flavoprotein C-terminal domain-like   |
| 23 | <a href="#">c2wdwB_</a> | Alignment | not modelled  | 97.8  | 19 | <b>PDB header:</b> oxidoreductase<br><b>Chain:</b> B: <b>PDB Molecule:</b> putative hexose oxidase;<br><b>PDBTitle:</b> the native crystal structure of the primary hexose oxidase (2 dbv29) in antibiotic a40926 biosynthesis  |
| 24 | <a href="#">c2uuvC_</a> | Alignment | not modelled  | 97.7  | 18 | <b>PDB header:</b> transferase<br><b>Chain:</b> C: <b>PDB Molecule:</b> alkyl dihydroxyacetonephosphate synthase;<br><b>PDBTitle:</b> alkyl dihydroxyacetonephosphate synthase in p1  |
| 25 | <a href="#">c3fwaA_</a> | Alignment | not modelled  | 97.7  | 20 | <b>PDB header:</b> flavoprotein<br><b>Chain:</b> A: <b>PDB Molecule:</b> reticuline oxidase;<br><b>PDBTitle:</b> structure of berberine bridge enzyme, c166a variant in complex with2 (s)-reticuline  |
| 26 | <a href="#">c2vfvA_</a> | Alignment | not modelled  | 97.6  | 19 | <b>PDB header:</b> oxidoreductase<br><b>Chain:</b> A: <b>PDB Molecule:</b> xylitol oxidase;<br><b>PDBTitle:</b> alditol oxidase from streptomyces coelicolor a3(2): complex2 with sulphite  |
| 27 | <a href="#">c2ipiD_</a> | Alignment | not modelled  | 97.3  | 14 | <b>PDB header:</b> oxidoreductase<br><b>Chain:</b> D: <b>PDB Molecule:</b> aclacinomycin oxidoreductase (aknox);<br><b>PDBTitle:</b> crystal structure of aclacinomycin oxidoreductase  |
| 28 | <a href="#">d1hska1</a> | Alignment | not modelled  | 97.3  | 16 | <b>Fold:</b> FAD-binding/transporter-associated domain-like<br><b>Superfamily:</b> FAD-binding/transporter-associated domain-like<br><b>Family:</b> Uridine diphospho-N-Acetylenolpyruvylglucosamine reductase (MurB), N-terminal domain<br><b>PDB header:</b> oxidoreductase |

|    |                         |           |              |      |    |   |
|----|-------------------------|-----------|--------------|------|----|---|
| 29 | <a href="#">c3popD_</a> | Alignment | not modelled | 97.1 | 15 | <b>Chain:</b> D: <b>PDB Molecule:</b> gilr oxidase;<br><b>PDBTitle:</b> the crystal structure of gilr, an oxidoreductase that catalyzes the2 terminal step of gilvocarcin biosynthesis<br><b>PDB header:</b> oxidoreductase   |
| 30 | <a href="#">c1zr6A_</a> | Alignment | not modelled | 97.1 | 16 | <b>Chain:</b> A: <b>PDB Molecule:</b> glucosylglycosyltransferase;<br><b>PDBTitle:</b> the crystal structure of an acrononium strictum glucosylglycosyltransferase reveals a novel flavinylation<br><b>PDB header:</b> oxidoreductase   |
| 31 | <a href="#">c2y3rC_</a> | Alignment | not modelled | 97.0 | 15 | <b>Chain:</b> C: <b>PDB Molecule:</b> taml;<br><b>PDBTitle:</b> structure of the tirandamycin-bound fad-dependent2 tirandamycin oxidase taml in p21 space group<br><b>PDB header:</b> oxidoreductase  |
| 32 | <a href="#">c3bw7A_</a> | Alignment | not modelled | 97.0 | 17 | <b>Chain:</b> A: <b>PDB Molecule:</b> cytokinin dehydrogenase 1;<br><b>PDBTitle:</b> maize cytokinin oxidase/dehydrogenase complexed with the allenic2 cytokinin analog ha-1<br><b>PDB header:</b> oxidoreductase   |
| 33 | <a href="#">c1f0xA_</a> | Alignment | not modelled | 97.0 | 15 | <b>Chain:</b> A: <b>PDB Molecule:</b> d-lactate dehydrogenase;<br><b>PDBTitle:</b> crystal structure of d-lactate dehydrogenase, a peripheral2 membrane respiratory enzyme.<br><b>PDB header:</b> oxidoreductase  |
| 34 | <a href="#">c3d2hA_</a> | Alignment | not modelled | 97.0 | 20 | <b>Chain:</b> A: <b>PDB Molecule:</b> berberine bridge-forming enzyme;<br><b>PDBTitle:</b> structure of berberine bridge enzyme from eschscholzia californica,2 monoclinic crystal form<br><b>PDB header:</b> oxidoreductase  |
| 35 | <a href="#">d1f0xA2</a> | Alignment | not modelled | 96.8 | 16 | <b>Fold:</b> FAD-binding/transporter-associated domain-like<br><b>Superfamily:</b> FAD-binding/transporter-associated domain-like<br><b>Family:</b> FAD-linked oxidases, N-terminal domain  |
| 36 | <a href="#">c2bvFA_</a> | Alignment | not modelled | 96.7 | 21 | <b>PDB header:</b> oxidase<br><b>Chain:</b> A: <b>PDB Molecule:</b> 6-hydroxy-d-nicotine oxidase;<br><b>PDBTitle:</b> crystal structure of 6-hydroxy-d-nicotine oxidase from2 arthrobacter nicotinovorans. crystal form 3 (p1)<br><b>PDB header:</b> oxidoreductase   |
| 37 | <a href="#">c1hskA_</a> | Alignment | not modelled | 96.7 | 17 | <b>Chain:</b> A: <b>PDB Molecule:</b> udp-n-acetylenolpyruvoylglucosamine reductase;<br><b>PDBTitle:</b> crystal structure of s. aureus murB<br><b>PDB header:</b> oxidoreductase   |
| 38 | <a href="#">c1mbbA_</a> | Alignment | not modelled | 96.6 | 14 | <b>Chain:</b> A: <b>PDB Molecule:</b> uridine diphospho-n-acetylenolpyruvyglucosamine<br><b>PDBTitle:</b> oxidoreductase<br><b>PDB header:</b> oxidoreductase   |
| 39 | <a href="#">c2exrA_</a> | Alignment | not modelled | 96.6 | 13 | <b>Chain:</b> A: <b>PDB Molecule:</b> cytokinin dehydrogenase 7;<br><b>PDBTitle:</b> x-ray structure of cytokinin oxidase/dehydrogenase (ckx)2 from arabidopsis thaliana at5g21482<br><b>PDB header:</b> oxidoreductase   |
| 40 | <a href="#">c3pm9A_</a> | Alignment | not modelled | 96.3 | 21 | <b>Chain:</b> A: <b>PDB Molecule:</b> putative oxidoreductase;<br><b>PDBTitle:</b> crystal structure of a putative dehydrogenase (rpa1076) from2 rhodopseudomonas palustris cga009 at 2.57 a resolution<br><b>PDB header:</b> oxidoreductase  |
| 41 | <a href="#">d2i0ka2</a> | Alignment | not modelled | 96.3 | 13 | <b>Fold:</b> FAD-binding/transporter-associated domain-like<br><b>Superfamily:</b> FAD-binding/transporter-associated domain-like<br><b>Family:</b> FAD-linked oxidases, N-terminal domain  |
| 42 | <a href="#">c3js8A_</a> | Alignment | not modelled | 96.1 | 14 | <b>PDB header:</b> oxidoreductase<br><b>Chain:</b> A: <b>PDB Molecule:</b> cholesterol oxidase;<br><b>PDBTitle:</b> solvent-stable cholesterol oxidase  |
| 43 | <a href="#">c3i99A_</a> | Alignment | not modelled | 95.7 | 16 | <b>PDB header:</b> oxidoreductase<br><b>Chain:</b> A: <b>PDB Molecule:</b> udp-n-acetylenolpyruvoylglucosamine reductase;<br><b>PDBTitle:</b> the crystal structure of the udp-n-acetylenolpyruvoylglucosamine2 reductase from the vibrio cholerae o1 biovar tor<br><b>PDB header:</b> oxidoreductase       |
| 44 | <a href="#">c1i19B_</a> | Alignment | not modelled | 95.6 | 13 | <b>Chain:</b> B: <b>PDB Molecule:</b> cholesterol oxidase;<br><b>PDBTitle:</b> crystal structure of cholesterol oxidase from b.sterolicum<br><b>PDB header:</b> oxidoreductase  |
| 45 | <a href="#">d1wvfa2</a> | Alignment | not modelled | 95.3 | 10 | <b>Fold:</b> FAD-binding/transporter-associated domain-like<br><b>Superfamily:</b> FAD-binding/transporter-associated domain-like<br><b>Family:</b> FAD-linked oxidases, N-terminal domain  |
| 46 | <a href="#">c1wveB_</a> | Alignment | not modelled | 95.1 | 10 | <b>PDB header:</b> oxidoreductase<br><b>Chain:</b> B: <b>PDB Molecule:</b> 4-cresol dehydrogenase [hydroxylating]<br><b>PDBTitle:</b> p-cresol methylhydroxylase: alteration of the structure of2 the flavoprotein subunit upon its binding to the3 cytochrome subunit<br><b>PDB header:</b> oxidoreductase |
| 47 | <a href="#">d1uxya1</a> | Alignment | not modelled | 94.1 | 14 | <b>Fold:</b> FAD-binding/transporter-associated domain-like<br><b>Superfamily:</b> FAD-binding/transporter-associated domain-like<br><b>Family:</b> Uridine diphospho-N-Acetylenolpyruvyglucosamine reductase (MurB), N-terminal domain<br><b>PDB header:</b> flavoenzyme                                   |
| 48 | <a href="#">c1ahuB_</a> | Alignment | not modelled | 92.8 | 8  | <b>Chain:</b> B: <b>PDB Molecule:</b> vanillyl-alcohol oxidase;<br><b>PDBTitle:</b> structure of the octameric flavoenzyme vanillyl-alcohol2 oxidase in complex with p-cresol<br><b>PDB header:</b> flavoenzyme   |
| 49 | <a href="#">d1e8ga2</a> | Alignment | not modelled | 91.0 | 8  | <b>Fold:</b> FAD-binding/transporter-associated domain-like<br><b>Superfamily:</b> FAD-binding/transporter-associated domain-like<br><b>Family:</b> FAD-linked oxidases, N-terminal domain  |
| 50 | <a href="#">c2gguA_</a> | Alignment | not modelled | 86.6 | 21 | <b>PDB header:</b> oxidoreductase<br><b>Chain:</b> A: <b>PDB Molecule:</b> udp-n-acetylenolpyruvyglucosamine reductase;<br><b>PDBTitle:</b> crystal structure of udp-n-acetylenolpyruvyglucosamine2 reductase (murb) from thermus caldophilus<br><b>PDB header:</b> oxidoreductase                          |
| 51 | <a href="#">d1w1oa2</a> | Alignment | not modelled | 85.3 | 13 | <b>Fold:</b> FAD-binding/transporter-associated domain-like<br><b>Superfamily:</b> FAD-binding/transporter-associated domain-like<br><b>Family:</b> FAD-linked oxidases, N-terminal domain  |
| 52 | <a href="#">c2yysA_</a> | Alignment | not modelled | 83.2 | 15 | <b>PDB header:</b> oxidoreductase<br><b>Chain:</b> A: <b>PDB Molecule:</b> glycolate oxidase subunit glce;<br><b>PDBTitle:</b> crystal structure of glycolate oxidase subunit glce from thermus2 thermophilus hb8<br><b>PDB header:</b> oxidoreductase  |
| 53 | <a href="#">d1j3ka_</a> | Alignment | not modelled | 38.8 | 22 | <b>Fold:</b> Dihydrofolate reductase-like<br><b>Superfamily:</b> Dihydrofolate reductase-like<br><b>Family:</b> Dihydrofolate reductases<br><b>PDB header:</b> oxidoreductase   |

|    |                         |           |              |      |    |   |
|----|-------------------------|-----------|--------------|------|----|---|
| 54 | <a href="#">c2blcA</a>  | Alignment | not modelled | 38.8 | 25 | <b>Chain:</b> A: <b>PDB Molecule:</b> dihydrofolate reductase-thymidylate synthase;<br><b>PDBTitle:</b> sp21 double mutant p. vivax dihydrofolate reductase in2 complex with des-chloropyrimethamine  |
| 55 | <a href="#">d3dfra</a>  | Alignment | not modelled | 26.0 | 19 | <b>Fold:</b> Dihydrofolate reductase-like<br><b>Superfamily:</b> Dihydrofolate reductase-like<br><b>Family:</b> Dihydrofolate reductases  |
| 56 | <a href="#">d1a9xa3</a> | Alignment | not modelled | 24.1 | 17 | <b>Fold:</b> PreATP-grasp domain<br><b>Superfamily:</b> PreATP-grasp domain<br><b>Family:</b> BC N-terminal domain-like   |
| 57 | <a href="#">c3dg8B</a>  | Alignment | not modelled | 20.4 | 22 | <b>PDB header:</b> oxidoreductase, transferase<br><b>Chain:</b> B: <b>PDB Molecule:</b> bifunctional dihydrofolate reductase-thymidylate<br><b>PDBTitle:</b> quadruple mutant (n51i+c59r+s108n+i164l) plasmodium2 falciparum dihydrofolate reductase-thymidylate synthase3 (pfdhfr-ts) complexed with rjf670, nadph, and dump |
| 58 | <a href="#">c3jsuA</a>  | Alignment | not modelled | 12.3 | 22 | <b>PDB header:</b> oxidoreductase, transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> dihydrofolate reductase-thymidylate synthase;<br><b>PDBTitle:</b> quadruple mutant(n51i+c59r+s108n+i164l) plasmodium falciparum2 dihydrofolate reductase-thymidylate synthase(pfdhfr-ts) complexed3 with qn254, nadph, and dump       |
| 59 | <a href="#">d1i1ga2</a> | Alignment | not modelled | 11.9 | 16 | <b>Fold:</b> Ferredoxin-like<br><b>Superfamily:</b> Dimeric alpha+beta barrel<br><b>Family:</b> Lrp/AsnC-like transcriptional regulator C-terminal domain   |
| 60 | <a href="#">d1qwga</a>  | Alignment | not modelled | 11.6 | 13 | <b>Fold:</b> TIM beta/alpha-barrel<br><b>Superfamily:</b> (2r)-phospho-3-sulfolactate synthase ComA<br><b>Family:</b> (2r)-phospho-3-sulfolactate synthase ComA   |
| 61 | <a href="#">d1u83a</a>  | Alignment | not modelled | 11.4 | 13 | <b>Fold:</b> TIM beta/alpha-barrel<br><b>Superfamily:</b> (2r)-phospho-3-sulfolactate synthase ComA<br><b>Family:</b> (2r)-phospho-3-sulfolactate synthase ComA   |
| 62 | <a href="#">c1u83A</a>  | Alignment | not modelled | 11.4 | 13 | <b>PDB header:</b> lyase<br><b>Chain:</b> A: <b>PDB Molecule:</b> phosphosulfolactate synthase;<br><b>PDBTitle:</b> psl synthase from bacillus subtilis   |
| 63 | <a href="#">c2kr1A</a>  | Alignment | not modelled | 10.4 | 21 | <b>PDB header:</b> ligase<br><b>Chain:</b> A: <b>PDB Molecule:</b> ubiquitin protein ligase e3a;<br><b>PDBTitle:</b> solution nmr structure of zinc binding n-terminal domain of ubiquitin-2 protein ligase e3a from homo sapiens. northeast structural genomics3 consortium (nesg) target hr3662                             |
| 64 | <a href="#">d1vdra</a>  | Alignment | not modelled | 10.0 | 25 | <b>Fold:</b> Dihydrofolate reductase-like<br><b>Superfamily:</b> Dihydrofolate reductase-like<br><b>Family:</b> Dihydrofolate reductases  |
| 65 | <a href="#">c2e1aD</a>  | Alignment | not modelled | 9.4  | 12 | <b>PDB header:</b> transcription<br><b>Chain:</b> D: <b>PDB Molecule:</b> 75aa long hypothetical regulatory protein asnc;<br><b>PDBTitle:</b> crystal structure of ffrp-dm1   |
| 66 | <a href="#">d1jr1a4</a> | Alignment | not modelled | 9.4  | 21 | <b>Fold:</b> CBS-domain pair<br><b>Superfamily:</b> CBS-domain pair<br><b>Family:</b> CBS-domain pair   |
| 67 | <a href="#">c3q94B</a>  | Alignment | not modelled | 9.4  | 9  | <b>PDB header:</b> lyase<br><b>Chain:</b> B: <b>PDB Molecule:</b> fructose-bisphosphate aldolase, class ii;<br><b>PDBTitle:</b> the crystal structure of fructose 1,6-bisphosphate aldolase from2 bacillus anthracis str. 'ames ancestor'   |
| 68 | <a href="#">d1m01a</a>  | Alignment | not modelled | 9.2  | 7  | <b>Fold:</b> HPr-like<br><b>Superfamily:</b> HPr-like<br><b>Family:</b> HPr-like  |
| 69 | <a href="#">d1gvfa</a>  | Alignment | not modelled | 9.1  | 18 | <b>Fold:</b> TIM beta/alpha-barrel<br><b>Superfamily:</b> Aldolase<br><b>Family:</b> Class II FBP aldolase  |
| 70 | <a href="#">c2zxkB</a>  | Alignment | not modelled | 9.0  | 4  | <b>PDB header:</b> oxidoreductase<br><b>Chain:</b> B: <b>PDB Molecule:</b> red chlorophyll catabolite reductase,<br><b>PDBTitle:</b> crystal structure of semet-red chlorophyll catabolite2 reductase   |
| 71 | <a href="#">c3e0bA</a>  | Alignment | not modelled | 8.9  | 33 | <b>PDB header:</b> oxidoreductase<br><b>Chain:</b> A: <b>PDB Molecule:</b> dihydrofolate reductase;<br><b>PDBTitle:</b> bacillus anthracis dihydrofolate reductase complexed with2 nadph and 2,4-diamino-5-(3-(2,5-dimethoxyphenyl)prop-1-3 ynyl)-6-ethylpyrimidine (ucp120b)   |
| 72 | <a href="#">c2dyoB</a>  | Alignment | not modelled | 8.8  | 56 | <b>PDB header:</b> protein turnover/protein turnover<br><b>Chain:</b> B: <b>PDB Molecule:</b> autophagy protein 16;<br><b>PDBTitle:</b> the crystal structure of saccharomyces cerevisiae atg5-2 atg16(1-57) complex  |
| 73 | <a href="#">d1li4a2</a> | Alignment | not modelled | 8.7  | 20 | <b>Fold:</b> Flavodoxin-like<br><b>Superfamily:</b> Formate/glycerate dehydrogenase catalytic domain-like<br><b>Family:</b> S-adenosylhomocystein hydrolase   |
| 74 | <a href="#">d1ou0a</a>  | Alignment | not modelled | 8.4  | 20 | <b>Fold:</b> Flavodoxin-like<br><b>Superfamily:</b> Precorrin-8X methylmutase CbiC/CobH<br><b>Family:</b> Precorrin-8X methylmutase CbiC/CobH   |
| 75 | <a href="#">c1zdrB</a>  | Alignment | not modelled | 8.2  | 20 | <b>PDB header:</b> oxidoreductase<br><b>Chain:</b> B: <b>PDB Molecule:</b> dihydrofolate reductase;<br><b>PDBTitle:</b> dhfr from bacillus stearothermophilus   |
| 76 | <a href="#">d1v8ba2</a> | Alignment | not modelled | 7.2  | 13 | <b>Fold:</b> Flavodoxin-like<br><b>Superfamily:</b> Formate/glycerate dehydrogenase catalytic domain-like<br><b>Family:</b> S-adenosylhomocystein hydrolase   |
| 77 | <a href="#">c3ihsB</a>  | Alignment | not modelled | 7.0  | 9  | <b>PDB header:</b> transport protein<br><b>Chain:</b> B: <b>PDB Molecule:</b> phosphocarrier protein hpr;<br><b>PDBTitle:</b> crystal structure of a phosphocarrier protein hpr from2 bacillus anthracis str. ames  |
| 78 | <a href="#">c3dhyC</a>  | Alignment | not modelled | 6.6  | 22 | <b>PDB header:</b> hydrolase<br><b>Chain:</b> C: <b>PDB Molecule:</b> adenosylhomocysteinase;<br><b>PDBTitle:</b> crystal structures of mycobacterium tuberculosis s-adenosyl-l-2 homocysteine hydrolase in ternary complex with substrate and3 inhibitors  |

|    |                         |   |              |     |    |   |
|----|-------------------------|---|--------------|-----|----|---|
| 79 | <a href="#">c2djwF_</a> |     | not modelled | 6.6 | 25 | <b>PDB header:</b> unknown function<br><b>Chain:</b> F: <b>PDB Molecule:</b> probable transcriptional regulator, asnc family;<br><b>PDBTitle:</b> crystal structure of ttha0845 from thermus thermophilus hb8   |
| 80 | <a href="#">d1aoea_</a> |    | not modelled | 6.5 | 23 | <b>Fold:</b> Dihydrofolate reductase-like<br><b>Superfamily:</b> Dihydrofolate reductase-like<br><b>Family:</b> Dihydrofolate reductases  |
| 81 | <a href="#">d1t6t1_</a> |    | not modelled | 6.3 | 21 | <b>Fold:</b> Toprim domain<br><b>Superfamily:</b> Toprim domain<br><b>Family:</b> Toprim domain   |
| 82 | <a href="#">d1a9xa4</a> |    | not modelled | 6.1 | 30 | <b>Fold:</b> PreATP-grasp domain<br><b>Superfamily:</b> PreATP-grasp domain<br><b>Family:</b> BC N-terminal domain-like   |
| 83 | <a href="#">c2zbcH_</a> |    | not modelled | 6.0 | 11 | <b>PDB header:</b> transcription<br><b>Chain:</b> H: <b>PDB Molecule:</b> 83aa long hypothetical transcriptional regulator asnc;<br><b>PDBTitle:</b> crystal structure of sts042, a stand-alone ram module protein, from2 hyperthermophilic archaeon sulfolobus tokodaii strain7. |
| 84 | <a href="#">d1cm3a_</a> |    | not modelled | 5.9 | 13 | <b>Fold:</b> HPr-like<br><b>Superfamily:</b> HPr-like<br><b>Family:</b> HPr-like  |
| 85 | <a href="#">c3gxXB_</a> |    | not modelled | 5.9 | 17 | <b>PDB header:</b> transcription<br><b>Chain:</b> B: <b>PDB Molecule:</b> transcription elongation factor spt6;<br><b>PDBTitle:</b> structure of the sh2 domain of the candida glabrata2 transcription elongation factor spt6, crystal form b                                     |
| 86 | <a href="#">d1ou5a2</a> |    | not modelled | 5.8 | 17 | <b>Fold:</b> Nucleotidyltransferase<br><b>Superfamily:</b> Nucleotidyltransferase<br><b>Family:</b> Poly A polymerase head domain-like  |
| 87 | <a href="#">c3d64A_</a> |    | not modelled | 5.8 | 18 | <b>PDB header:</b> hydrolase<br><b>Chain:</b> A: <b>PDB Molecule:</b> adenosylhomocysteinase;<br><b>PDBTitle:</b> crystal structure of s-adenosyl-l-homocysteine hydrolase from2 burkholderia pseudomallei  |
| 88 | <a href="#">c3oneA_</a> |    | not modelled | 5.7 | 18 | <b>PDB header:</b> hydrolase/hydrolase substrate<br><b>Chain:</b> A: <b>PDB Molecule:</b> adenosylhomocysteinase;<br><b>PDBTitle:</b> crystal structure of lupinus luteus s-adenosyl-l-homocysteine2 hydrolase in complex with adenine  |
| 89 | <a href="#">c1v8bA_</a> |   | not modelled | 5.6 | 13 | <b>PDB header:</b> hydrolase<br><b>Chain:</b> A: <b>PDB Molecule:</b> adenosylhomocysteinase;<br><b>PDBTitle:</b> crystal structure of a hydrolase  |
| 90 | <a href="#">d2cg4a2</a> |  | not modelled | 5.2 | 12 | <b>Fold:</b> Ferredoxin-like<br><b>Superfamily:</b> Dimeric alpha+beta barrel<br><b>Family:</b> Lrp/AsnC-like transcriptional regulator C-terminal domain   |
| 91 | <a href="#">c3e56A_</a> |  | not modelled | 5.2 | 10 | <b>PDB header:</b> unknown function<br><b>Chain:</b> A: <b>PDB Molecule:</b> putative uncharacterized protein;<br><b>PDBTitle:</b> the 2.0 angstrom resolution crystal structure of npr1517, a putative2 heterocyst differentiation inhibitor from nostoc punctiforme             |
| 92 | <a href="#">c3n58D_</a> |  | not modelled | 5.2 | 20 | <b>PDB header:</b> hydrolase<br><b>Chain:</b> D: <b>PDB Molecule:</b> adenosylhomocysteinase;<br><b>PDBTitle:</b> crystal structure of s-adenosyl-l-homocysteine hydrolase from brucella2 melitensis in ternary complex with nad and adenosine, orthorhombic3 form                |