




























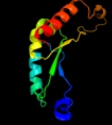





























Detailed template information

| #  | Template                | Alignment Coverage  | 3D Model  | Confidence | % i.d. | Template Information   |
|----|-------------------------|---|---|------------|--------|--|
| 1  | <a href="#">d1d8ca_</a> |  Alignment   |    | 100.0      | 97     | <b>Fold:</b> TIM beta/alpha-barrel<br><b>Superfamily:</b> Malate synthase G<br><b>Family:</b> Malate synthase G  |
| 2  | <a href="#">d1n8ia_</a> |  Alignment   |    | 100.0      | 60     | <b>Fold:</b> TIM beta/alpha-barrel<br><b>Superfamily:</b> Malate synthase G<br><b>Family:</b> Malate synthase G  |
| 3  | <a href="#">c3cuzA_</a> |  Alignment   |    | 100.0      | 21     | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> malate synthase a;<br><b>PDBTitle:</b> atomic resolution structures of escherichia coli and2 bacillis anthracis malate synthase a: comparison with3 isoform g and implications for structure based drug design |
| 4  | <a href="#">c3cuxA_</a> |  Alignment   |    | 100.0      | 21     | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> malate synthase;<br><b>PDBTitle:</b> atomic resolution structures of escherichia coli and2 bacillis anthracis malate synthase a: comparison with3 isoform g and implications for structure based drug design   |
| 5  | <a href="#">c3pugA_</a> |  Alignment |  | 99.8       | 17     | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> malate synthase;<br><b>PDBTitle:</b> haloferax volcanii malate synthase native at 3mm glyoxylate   |
| 6  | <a href="#">c3r4iB_</a> |  Alignment |  | 99.7       | 16     | <b>PDB header:</b> lyase<br><b>Chain:</b> B: <b>PDB Molecule:</b> citrate lyase;<br><b>PDBTitle:</b> crystal structure of a citrate lyase (bx_e_b2899) from burkholderia2 xenovorans lb400 at 2.24 a resolution  |
| 7  | <a href="#">c1sgjB_</a> |  Alignment |  | 99.6       | 17     | <b>PDB header:</b> lyase<br><b>Chain:</b> B: <b>PDB Molecule:</b> citrate lyase, beta subunit;<br><b>PDBTitle:</b> crystal structure of citrate lyase beta subunit   |
| 8  | <a href="#">c3qqwC_</a> |  Alignment |  | 99.6       | 13     | <b>PDB header:</b> lyase<br><b>Chain:</b> C: <b>PDB Molecule:</b> putative citrate lyase;<br><b>PDBTitle:</b> crystal structure of a hypothetical lyase (reut_b4148) from ralstonia2 eutropha jmp134 at 2.44 a resolution  |
| 9  | <a href="#">d1sgja_</a> |  Alignment |  | 99.6       | 17     | <b>Fold:</b> TIM beta/alpha-barrel<br><b>Superfamily:</b> Phosphoenolpyruvate/pyruvate domain<br><b>Family:</b> HpcH/Hpal aldolase   |
| 10 | <a href="#">c1u5vA_</a> |  Alignment |  | 99.6       | 21     | <b>PDB header:</b> lyase<br><b>Chain:</b> A: <b>PDB Molecule:</b> cite;<br><b>PDBTitle:</b> structure of cite complexed with triphosphate group of atp2 form mycobacterium tuberculosis  |
| 11 | <a href="#">d1u5ha_</a> |  Alignment |  | 99.6       | 19     | <b>Fold:</b> TIM beta/alpha-barrel<br><b>Superfamily:</b> Phosphoenolpyruvate/pyruvate domain<br><b>Family:</b> HpcH/Hpal aldolase   |

|    |                         |           |   |      |    |   |
|----|-------------------------|-----------|---|------|----|---|
| 12 | <a href="#">c2hroA_</a> | Alignment |     | 97.0 | 23 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> phosphoenolpyruvate-protein phosphotransferase;<br><b>PDBTitle:</b> structure of the full-lenght enzyme i of the pts system from2 staphylococcus carnosus   |
| 13 | <a href="#">c2bg5C_</a> | Alignment |    | 96.8 | 20 | <b>PDB header:</b> transferase<br><b>Chain:</b> C: <b>PDB Molecule:</b> phosphoenolpyruvate-protein kinase;<br><b>PDBTitle:</b> crystal structure of the phosphoenolpyruvate-binding enzyme2 i-domain from the thermoanaerobacter tengcongensis pep:3 sugar phosphotransferase system (pts) |
| 14 | <a href="#">d1dxea_</a> | Alignment |    | 96.8 | 14 | <b>Fold:</b> TIM beta/alpha-barrel<br><b>Superfamily:</b> Phosphoenolpyruvate/pyruvate domain<br><b>Family:</b> Hpch/Hpai aldolase  |
| 15 | <a href="#">c2hwgA_</a> | Alignment |    | 96.5 | 17 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> phosphoenolpyruvate-protein phosphotransferase;<br><b>PDBTitle:</b> structure of phosphorylated enzyme i of the2 phosphoenolpyruvate:sugar phosphotransferase system  |
| 16 | <a href="#">c2v5jB_</a> | Alignment |    | 96.0 | 22 | <b>PDB header:</b> lyase<br><b>Chain:</b> B: <b>PDB Molecule:</b> 2,4-dihydroxyhept-2-ene-1,7-dioic acid aldolase;<br><b>PDBTitle:</b> apo class ii aldolase hpch   |
| 17 | <a href="#">c3qz6A_</a> | Alignment |    | 96.0 | 13 | <b>PDB header:</b> lyase<br><b>Chain:</b> A: <b>PDB Molecule:</b> hpch/hpai aldolase;<br><b>PDBTitle:</b> the crystal structure of hpch/hpai aldolase from desulfitobacterium2 hafniense dcb-2  |
| 18 | <a href="#">c2vwtA_</a> | Alignment |  | 95.9 | 17 | <b>PDB header:</b> lyase<br><b>Chain:</b> A: <b>PDB Molecule:</b> yfau, 2-keto-3-deoxy sugar aldolase;<br><b>PDBTitle:</b> crystal structure of yfau, a metal ion dependent class ii2 aldolase from escherichia coli k12 - mg-pyruvate product3 complex                                     |
| 19 | <a href="#">c2olsA_</a> | Alignment |  | 93.4 | 18 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> phosphoenolpyruvate synthase;<br><b>PDBTitle:</b> the crystal structure of the phosphoenolpyruvate synthase from2 neisseria meningitidis  |
| 20 | <a href="#">clizcA_</a> | Alignment |  | 93.1 | 18 | <b>PDB header:</b> lyase<br><b>Chain:</b> A: <b>PDB Molecule:</b> macrophomate synthase intermolecular diels-alderase;<br><b>PDBTitle:</b> crystal structure analysis of macrophomate synthase  |
| 21 | <a href="#">dlizca_</a> | Alignment | not modelled  | 93.1 | 18 | <b>Fold:</b> TIM beta/alpha-barrel<br><b>Superfamily:</b> Phosphoenolpyruvate/pyruvate domain<br><b>Family:</b> Hpch/Hpai aldolase  |
| 22 | <a href="#">dle0ta2</a> | Alignment | not modelled  | 93.0 | 11 | <b>Fold:</b> TIM beta/alpha-barrel<br><b>Superfamily:</b> Phosphoenolpyruvate/pyruvate domain<br><b>Family:</b> Pyruvate kinase   |
| 23 | <a href="#">d1vbga1</a> | Alignment | not modelled  | 92.8 | 21 | <b>Fold:</b> TIM beta/alpha-barrel<br><b>Superfamily:</b> Phosphoenolpyruvate/pyruvate domain<br><b>Family:</b> Pyruvate phosphate dikinase, C-terminal domain  |
| 24 | <a href="#">c1h6za_</a> | Alignment | not modelled  | 88.9 | 14 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> pyruvate phosphate dikinase;<br><b>PDBTitle:</b> 3.0 a resolution crystal structure of glycosomal pyruvate2 phosphate dikinase from trypanosoma brucei  |
| 25 | <a href="#">d1kbla1</a> | Alignment | not modelled  | 88.8 | 15 | <b>Fold:</b> TIM beta/alpha-barrel<br><b>Superfamily:</b> Phosphoenolpyruvate/pyruvate domain<br><b>Family:</b> Pyruvate phosphate dikinase, C-terminal domain  |
| 26 | <a href="#">d1pkla2</a> | Alignment | not modelled  | 88.2 | 17 | <b>Fold:</b> TIM beta/alpha-barrel<br><b>Superfamily:</b> Phosphoenolpyruvate/pyruvate domain<br><b>Family:</b> Pyruvate kinase   |
| 27 | <a href="#">d1h6za1</a> | Alignment | not modelled  | 86.5 | 14 | <b>Fold:</b> TIM beta/alpha-barrel<br><b>Superfamily:</b> Phosphoenolpyruvate/pyruvate domain<br><b>Family:</b> Pyruvate phosphate dikinase, C-terminal domain  |
| 28 | <a href="#">c1vbha_</a> | Alignment | not modelled  | 85.7 | 19 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> pyruvate,orthophosphate di kinase;<br><b>PDBTitle:</b> pyruvate phosphate dikinase with bound mg-pep from maize   |
| 29 | <a href="#">d1a3xa2</a> | Alignment | not modelled  | 81.8 | 14 | <b>Fold:</b> TIM beta/alpha-barrel<br><b>Superfamily:</b> Phosphoenolpyruvate/pyruvate domain<br><b>Family:</b> Pyruvate kinase   |

|    |                         |   |              |      |    |   |
|----|-------------------------|---|--------------|------|----|---|
| 30 | <a href="#">c1kblA_</a> |  Alignment    | not modelled | 74.0 | 13 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> pyruvate phosphate dikinase;<br><b>PDBTitle:</b> pyruvate phosphate dikinase  |
| 31 | <a href="#">d1liua2</a> |  Alignment   | not modelled | 62.5 | 15 | <b>Fold:</b> TIM beta/alpha-barrel<br><b>Superfamily:</b> Phosphoenolpyruvate/pyruvate domain<br><b>Family:</b> Pyruvate kinase   |
| 32 | <a href="#">d2g50a2</a> |  Alignment   | not modelled | 59.8 | 10 | <b>Fold:</b> TIM beta/alpha-barrel<br><b>Superfamily:</b> Phosphoenolpyruvate/pyruvate domain<br><b>Family:</b> Pyruvate kinase   |
| 33 | <a href="#">c2kz6A_</a> |  Alignment   | not modelled | 59.1 | 33 | <b>PDB header:</b> structural genomics, unknown function<br><b>Chain:</b> A: <b>PDB Molecule:</b> uncharacterized protein;<br><b>PDBTitle:</b> solution structure of protein cv0426 from chromobacterium violaceum,2 northeast structural genomics consortium (nesg) target cvt2                  |
| 34 | <a href="#">d1njra_</a> |  Alignment   | not modelled | 48.1 | 17 | <b>Fold:</b> Macro domain-like<br><b>Superfamily:</b> Macro domain-like<br><b>Family:</b> Macro domain  |
| 35 | <a href="#">c2zzxD_</a> |  Alignment   | not modelled | 45.9 | 12 | <b>PDB header:</b> transport protein<br><b>Chain:</b> D: <b>PDB Molecule:</b> abc transporter, solute-binding protein;<br><b>PDBTitle:</b> crystal structure of a periplasmic substrate binding protein in2 complex with lactate  |
| 36 | <a href="#">d1zela1</a> |  Alignment   | not modelled | 43.8 | 32 | <b>Fold:</b> DNA/RNA-binding 3-helical bundle<br><b>Superfamily:</b> "Winged helix" DNA-binding domain<br><b>Family:</b> Rv2827c N-terminal domain-like   |
| 37 | <a href="#">c2q4oA_</a> |  Alignment   | not modelled | 39.1 | 17 | <b>PDB header:</b> structural genomics, unknown function<br><b>Chain:</b> A: <b>PDB Molecule:</b> uncharacterized protein<br>at2g37210/t2n18.3;<br><b>PDBTitle:</b> ensemble refinement of the crystal structure of a lysine2 decarboxylase-like protein from arabidopsis thaliana gene at2g37210 |
| 38 | <a href="#">d2q4oa1</a> |  Alignment   | not modelled | 39.1 | 17 | <b>Fold:</b> MCP/YpsA-like<br><b>Superfamily:</b> MCP/YpsA-like<br><b>Family:</b> MoCo carrier protein-like   |
| 39 | <a href="#">d1rg6a_</a> |  Alignment   | not modelled | 37.5 | 30 | <b>Fold:</b> SAM domain-like<br><b>Superfamily:</b> SAM/Pointed domain<br><b>Family:</b> SAM (sterile alpha motif) domain   |
| 40 | <a href="#">c1zelA_</a> |  Alignment   | not modelled | 36.7 | 29 | <b>PDB header:</b> structural genomics, unknown function<br><b>Chain:</b> A: <b>PDB Molecule:</b> hypothetical protein rv2827c;<br><b>PDBTitle:</b> crystal structure of rv2827c protein from mycobacterium tuberculosis  |
| 41 | <a href="#">d1ic8a2</a> |  Alignment   | not modelled | 35.1 | 27 | <b>Fold:</b> lambda repressor-like DNA-binding domains<br><b>Superfamily:</b> lambda repressor-like DNA-binding domains<br><b>Family:</b> POU-specific domain   |
| 42 | <a href="#">c2gbbA_</a> |  Alignment   | not modelled | 31.2 | 17 | <b>PDB header:</b> isomerase<br><b>Chain:</b> A: <b>PDB Molecule:</b> putative chorismate mutase;<br><b>PDBTitle:</b> crystal structure of secreted chorismate mutase from2 yersinia pestis   |
| 43 | <a href="#">c1zr5B_</a> |  Alignment   | not modelled | 29.7 | 24 | <b>PDB header:</b> gene regulation<br><b>Chain:</b> B: <b>PDB Molecule:</b> h2afy protein;<br><b>PDBTitle:</b> crystal structure of the macro-domain of human core histone variant2 macroh2a1.2   |
| 44 | <a href="#">c3q3jA_</a> |  Alignment | not modelled | 28.2 | 23 | <b>PDB header:</b> membrane protein/protein binding<br><b>Chain:</b> A: <b>PDB Molecule:</b> plexin-a2;<br><b>PDBTitle:</b> crystal structure of plexin a2 rbd in complex with rnd1   |
| 45 | <a href="#">d1s9va2</a> |  Alignment | not modelled | 26.4 | 22 | <b>Fold:</b> MHC antigen-recognition domain<br><b>Superfamily:</b> MHC antigen-recognition domain<br><b>Family:</b> MHC antigen-recognition domain  |
| 46 | <a href="#">d1t35a_</a> |  Alignment | not modelled | 25.1 | 10 | <b>Fold:</b> MCP/YpsA-like<br><b>Superfamily:</b> MCP/YpsA-like<br><b>Family:</b> MoCo carrier protein-like   |
| 47 | <a href="#">c3q71A_</a> |  Alignment | not modelled | 23.6 | 28 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> poly [adp-ribose] polymerase 14;<br><b>PDBTitle:</b> human parp14 (artd8) - macro domain 2 in complex with adenosine-5-2 diphosphoribose  |
| 48 | <a href="#">d1ydha_</a> |  Alignment | not modelled | 23.5 | 12 | <b>Fold:</b> MCP/YpsA-like<br><b>Superfamily:</b> MCP/YpsA-like<br><b>Family:</b> MoCo carrier protein-like   |
| 49 | <a href="#">d1rh6a_</a> |  Alignment | not modelled | 23.3 | 21 | <b>Fold:</b> Putative DNA-binding domain<br><b>Superfamily:</b> Putative DNA-binding domain<br><b>Family:</b> Excisionase-like  |
| 50 | <a href="#">d1w0ba_</a> |  Alignment | not modelled | 21.7 | 21 | <b>Fold:</b> Spectrin repeat-like<br><b>Superfamily:</b> Alpha-hemoglobin stabilizing protein AHSP<br><b>Family:</b> Alpha-hemoglobin stabilizing protein AHSP  |
| 51 | <a href="#">d1muja2</a> |  Alignment | not modelled | 21.7 | 34 | <b>Fold:</b> MHC antigen-recognition domain<br><b>Superfamily:</b> MHC antigen-recognition domain<br><b>Family:</b> MHC antigen-recognition domain  |
| 52 | <a href="#">c3rmrA_</a> |  Alignment | not modelled | 19.9 | 33 | <b>PDB header:</b> protein binding<br><b>Chain:</b> A: <b>PDB Molecule:</b> avirulence protein;<br><b>PDBTitle:</b> crystal structure of hyaloperonospora arabidopsidis atr1 effector2 domain   |
| 53 | <a href="#">d1jk8a2</a> |  Alignment | not modelled | 19.9 | 24 | <b>Fold:</b> MHC antigen-recognition domain<br><b>Superfamily:</b> MHC antigen-recognition domain<br><b>Family:</b> MHC antigen-recognition domain  |
| 54 | <a href="#">d1vj7a2</a> |  Alignment | not modelled | 18.9 | 26 | <b>Fold:</b> Nucleotidyltransferase<br><b>Superfamily:</b> Nucleotidyltransferase<br><b>Family:</b> RelA/SpoT domain  |
| 55 | <a href="#">c2q4dB_</a> |  Alignment | not modelled | 18.7 | 12 | <b>PDB header:</b> structural genomics, unknown function<br><b>Chain:</b> B: <b>PDB Molecule:</b> lysine decarboxylase-like protein<br>at5g11950;<br><b>PDBTitle:</b> ensemble refinement of the crystal structure of a lysine2 decarboxylase-like protein from arabidopsis thaliana gene         |

|    |                         |           |              |      |   |
|----|-------------------------|-----------|--------------|------|---|
|    |                         |           |              |      | at5g11950   |
| 56 | <a href="#">c2zc2A_</a> | Alignment | not modelled | 18.3 | 12<br><b>PDB header:</b> replication<br><b>Chain:</b> A: <b>PDB Molecule:</b> dnad-like replication protein;<br><b>PDBTitle:</b> crystal structure of dnad-like replication protein from2 streptococcus mutans ua159, gi 24377835, residues 127-199   |
| 57 | <a href="#">d1es0a2</a> | Alignment | not modelled | 17.9 | 26<br><b>Fold:</b> MHC antigen-recognition domain<br><b>Superfamily:</b> MHC antigen-recognition domain<br><b>Family:</b> MHC antigen-recognition domain  |
| 58 | <a href="#">d2jn4a1</a> | Alignment | not modelled | 17.8 | 23<br><b>Fold:</b> NifT/FixU barrel-like<br><b>Superfamily:</b> NifT/FixU-like<br><b>Family:</b> NifT/FixU  |
| 59 | <a href="#">c2jn4A_</a> | Alignment | not modelled | 17.8 | 23<br><b>PDB header:</b> structural genomics, unknown function<br><b>Chain:</b> A: <b>PDB Molecule:</b> hypothetical protein fixu, nift;<br><b>PDBTitle:</b> solution nmr structure of protein rp4601 from2 rhodopseudomonas palustris. northeast structural genomics3 consortium target rpt2; ontario center for structural4 proteomics target rp4601. |
| 60 | <a href="#">c2pxgA_</a> | Alignment | not modelled | 17.3 | 17<br><b>PDB header:</b> membrane protein<br><b>Chain:</b> A: <b>PDB Molecule:</b> outer membrane protein;<br><b>PDBTitle:</b> nmr solution structure of omla   |
| 61 | <a href="#">d1dxsa_</a> | Alignment | not modelled | 17.1 | 32<br><b>Fold:</b> SAM domain-like<br><b>Superfamily:</b> SAM/Pointed domain<br><b>Family:</b> SAM (sterile alpha motif) domain   |
| 62 | <a href="#">d3bzra1</a> | Alignment | not modelled | 16.6 | 25<br><b>Fold:</b> EscU C-terminal domain-like<br><b>Superfamily:</b> EscU C-terminal domain-like<br><b>Family:</b> EscU C-terminal domain-like   |
| 63 | <a href="#">c3bzrA_</a> | Alignment | not modelled | 16.6 | 25<br><b>PDB header:</b> membrane protein, protein transport<br><b>Chain:</b> A: <b>PDB Molecule:</b> escu;<br><b>PDBTitle:</b> crystal structure of escu c-terminal domain with n262d mutation, space2 group p 41 21 2   |
| 64 | <a href="#">c3bd1B_</a> | Alignment | not modelled | 16.3 | 28<br><b>PDB header:</b> transcription<br><b>Chain:</b> B: <b>PDB Molecule:</b> cro protein;<br><b>PDBTitle:</b> structure of the cro protein from putative prophage element xfaso 1 in2 xylella fastidiosa strain ann-1  |
| 65 | <a href="#">c3hlzA_</a> | Alignment | not modelled | 16.2 | 10<br><b>PDB header:</b> structural genomics, unknown function<br><b>Chain:</b> A: <b>PDB Molecule:</b> uncharacterized protein bt_1490;<br><b>PDBTitle:</b> crystal structure of bt_1490 (np_810393.1) from bacteroides2 thetaiotaomicron vpi-5482 at 1.50 a resolution  |
| 66 | <a href="#">d1mvla_</a> | Alignment | not modelled | 15.9 | 26<br><b>Fold:</b> Homo-oligomeric flavin-containing Cys decarboxylases, HFCD<br><b>Superfamily:</b> Homo-oligomeric flavin-containing Cys decarboxylases, HFCD<br><b>Family:</b> Homo-oligomeric flavin-containing Cys decarboxylases, HFCD  |
| 67 | <a href="#">c1mvIA_</a> | Alignment | not modelled | 15.9 | 26<br><b>PDB header:</b> lyase<br><b>Chain:</b> A: <b>PDB Molecule:</b> ppc decarboxylase athal3a;<br><b>PDBTitle:</b> ppc decarboxylase mutant c175s   |
| 68 | <a href="#">c3g80B_</a> | Alignment | not modelled | 15.7 | 29<br><b>PDB header:</b> viral protein<br><b>Chain:</b> B: <b>PDB Molecule:</b> protein b2;<br><b>PDBTitle:</b> nodamura virus protein b2, rna-binding domain   |
| 69 | <a href="#">c2vy2A_</a> | Alignment | not modelled | 15.7 | 50<br><b>PDB header:</b> transcription<br><b>Chain:</b> A: <b>PDB Molecule:</b> protein leafy;<br><b>PDBTitle:</b> structure of leafy transcription factor from arabidopsis2 thaliana in complex with dna from ag-i promoter  |
| 70 | <a href="#">c2dnrA_</a> | Alignment | not modelled | 15.5 | 15<br><b>PDB header:</b> rna binding protein<br><b>Chain:</b> A: <b>PDB Molecule:</b> synaptojanin-1;<br><b>PDBTitle:</b> solution structure of rna binding domain in synaptojanin 1  |
| 71 | <a href="#">c3odmE_</a> | Alignment | not modelled | 15.0 | 17<br><b>PDB header:</b> lyase<br><b>Chain:</b> E: <b>PDB Molecule:</b> phosphoenolpyruvate carboxylase;<br><b>PDBTitle:</b> archaeal-type phosphoenolpyruvate carboxylase  |
| 72 | <a href="#">c3ogfA_</a> | Alignment | not modelled | 14.7 | 14<br><b>PDB header:</b> de novo protein<br><b>Chain:</b> A: <b>PDB Molecule:</b> de novo designed dimeric trefoil-fold sub-domain which<br><b>PDBTitle:</b> crystal structure of dofoil-4p homo-trimer: de novo designed dimeric2 trefoil-fold sub-domain which forms homo-trimer assembly   |
| 73 | <a href="#">d2ipqx1</a> | Alignment | not modelled | 14.2 | 19<br><b>Fold:</b> DNA/RNA-binding 3-helical bundle<br><b>Superfamily:</b> "Winged helix" DNA-binding domain<br><b>Family:</b> STY4665 C-terminal domain-like   |
| 74 | <a href="#">d2ffca1</a> | Alignment | not modelled | 14.1 | 9<br><b>Fold:</b> TIM beta/alpha-barrel<br><b>Superfamily:</b> Ribulose-phosphate binding barrel<br><b>Family:</b> Decarboxylase  |
| 75 | <a href="#">d1gsma1</a> | Alignment | not modelled | 13.7 | 34<br><b>Fold:</b> Immunoglobulin-like beta-sandwich<br><b>Superfamily:</b> Immunoglobulin<br><b>Family:</b> I set domains  |
| 76 | <a href="#">d1ev7a_</a> | Alignment | not modelled | 13.1 | 29<br><b>Fold:</b> Restriction endonuclease-like<br><b>Superfamily:</b> Restriction endonuclease-like<br><b>Family:</b> Restriction endonuclease NaeI   |
| 77 | <a href="#">d1wuua1</a> | Alignment | not modelled | 13.0 | 18<br><b>Fold:</b> Ribosomal protein S5 domain 2-like<br><b>Superfamily:</b> Ribosomal protein S5 domain 2-like<br><b>Family:</b> GHMP Kinase, N-terminal domain  |
| 78 | <a href="#">d1zbsa1</a> | Alignment | not modelled | 12.7 | 16<br><b>Fold:</b> Ribonuclease H-like motif<br><b>Superfamily:</b> Actin-like ATPase domain<br><b>Family:</b> BadF/BadG/BcrA/BcrD-like   |
| 79 | <a href="#">d1u04a1</a> | Alignment | not modelled | 12.6 | 80<br><b>Fold:</b> SH3-like barrel<br><b>Superfamily:</b> PAZ domain<br><b>Family:</b> PAZ domain   |
| 80 | <a href="#">d1k82a1</a> | Alignment | not modelled | 12.2 | 10<br><b>Fold:</b> S13-like H2TH domain<br><b>Superfamily:</b> S13-like H2TH domain<br><b>Family:</b> Middle domain of MutM-like DNA repair proteins  |
|    |                         |           |              |      | <b>Fold:</b> DNA/RNA-binding 3-helical bundle   |

|    |                         |           |              |      |    |   |
|----|-------------------------|-----------|--------------|------|----|---|
| 81 | <a href="#">d2v9va2</a> | Alignment | not modelled | 11.9 | 33 | <b>Superfamily:</b> "Winged helix" DNA-binding domain<br><b>Family:</b> C-terminal fragment of elongation factor SelB   |
| 82 | <a href="#">d1ei7a</a>  | Alignment | not modelled | 11.8 | 12 | <b>Fold:</b> Four-helical up-and-down bundle<br><b>Superfamily:</b> TMV-like viral coat proteins<br><b>Family:</b> TMV-like viral coat proteins   |
| 83 | <a href="#">c3da5A</a>  | Alignment | not modelled | 11.1 | 67 | <b>PDB header:</b> rna binding protein<br><b>Chain:</b> A: <b>PDB Molecule:</b> argonaute;<br><b>PDBTitle:</b> crystal structure of piwi/argonaute/zwille(paz) domain from2 thermococcus thioreducens   |
| 84 | <a href="#">c1pprO</a>  | Alignment | not modelled | 10.9 | 23 | <b>PDB header:</b> light-harvesting protein<br><b>Chain:</b> O: <b>PDB Molecule:</b> peridinin-chlorophyll protein;<br><b>PDBTitle:</b> peridinin-chlorophyll-protein of amphidinium carterae   |
| 85 | <a href="#">c3ofgA</a>  | Alignment | not modelled | 10.8 | 25 | <b>PDB header:</b> chaperone<br><b>Chain:</b> A: <b>PDB Molecule:</b> boca/mesd chaperone for ywtd beta-propeller-egf protein 1;<br><b>PDBTitle:</b> structured domain of caenorhabditis elegans bmy-1  |
| 86 | <a href="#">d1qasa3</a> | Alignment | not modelled | 10.7 | 25 | <b>Fold:</b> TIM beta/alpha-barrel<br><b>Superfamily:</b> PLC-like phosphodiesterases<br><b>Family:</b> Mammalian PLC   |
| 87 | <a href="#">c2vx6A</a>  | Alignment | not modelled | 10.4 | 20 | <b>PDB header:</b> hydrolase<br><b>Chain:</b> A: <b>PDB Molecule:</b> cellvibrio japonicus mannanase cjman26c;<br><b>PDBTitle:</b> cellvibrio japonicus mannanase cjman26c gal1man4-bound form  |
| 88 | <a href="#">d1sv0c</a>  | Alignment | not modelled | 10.0 | 18 | <b>Fold:</b> SAM domain-like<br><b>Superfamily:</b> SAM/Pointed domain<br><b>Family:</b> Pointed domain   |
| 89 | <a href="#">d1umya</a>  | Alignment | not modelled | 10.0 | 12 | <b>Fold:</b> TIM beta/alpha-barrel<br><b>Superfamily:</b> Homocysteine S-methyltransferase<br><b>Family:</b> Homocysteine S-methyltransferase   |
| 90 | <a href="#">d1ykhb1</a> | Alignment | not modelled | 9.7  | 19 | <b>Fold:</b> Mediator hinge subcomplex-like<br><b>Superfamily:</b> Mediator hinge subcomplex-like<br><b>Family:</b> CSE2-like   |
| 91 | <a href="#">d1pava</a>  | Alignment | not modelled | 9.7  | 16 | <b>Fold:</b> IF3-like<br><b>Superfamily:</b> SirA-like<br><b>Family:</b> SirA-like  |
| 92 | <a href="#">d1xzpa3</a> | Alignment | not modelled | 9.7  | 35 | <b>Fold:</b> Folate-binding domain<br><b>Superfamily:</b> Folate-binding domain<br><b>Family:</b> TrmE formyl-THF-binding domain  |
| 93 | <a href="#">c1xzqB</a>  | Alignment | not modelled | 9.7  | 35 | <b>PDB header:</b> hydrolase<br><b>Chain:</b> B: <b>PDB Molecule:</b> probable trna modification gtpase trme;<br><b>PDBTitle:</b> structure of the gtp-binding protein trme from thermotoga2 maritima complexed with 5-formyl-thf   |
| 94 | <a href="#">c3k6qB</a>  | Alignment | not modelled | 9.6  | 27 | <b>PDB header:</b> ligand binding protein<br><b>Chain:</b> B: <b>PDB Molecule:</b> putative ligand binding protein;<br><b>PDBTitle:</b> crystal structure of an antitoxin part of a putative toxin/antitoxin2 system (swol_0700) from syntrophomonas wolfei subsp. wolfei at 1.80 a3 resolution |
| 95 | <a href="#">c3cwyA</a>  | Alignment | not modelled | 9.5  | 38 | <b>PDB header:</b> unknown function<br><b>Chain:</b> A: <b>PDB Molecule:</b> protein cagd;<br><b>PDBTitle:</b> structure of cagd from h. pylori pathogenicity island2 crystallized in the presence of cu(ii) ions   |
| 96 | <a href="#">d1alna1</a> | Alignment | not modelled | 9.5  | 16 | <b>Fold:</b> Cytidine deaminase-like<br><b>Superfamily:</b> Cytidine deaminase-like<br><b>Family:</b> Cytidine deaminase  |
| 97 | <a href="#">c3c01H</a>  | Alignment | not modelled | 9.4  | 10 | <b>PDB header:</b> membrane protein, protein transport<br><b>Chain:</b> H: <b>PDB Molecule:</b> surface presentation of antigens protein spas;<br><b>PDBTitle:</b> crystal structural of native spas c-terminal domain  |
| 98 | <a href="#">d1ug3a1</a> | Alignment | not modelled | 9.4  | 15 | <b>Fold:</b> alpha-alpha superhelix<br><b>Superfamily:</b> ARM repeat<br><b>Family:</b> MIF4G domain-like   |
| 99 | <a href="#">c3czoD</a>  | Alignment | not modelled | 9.3  | 17 | <b>PDB header:</b> lyase<br><b>Chain:</b> D: <b>PDB Molecule:</b> histidine ammonia-lyase;<br><b>PDBTitle:</b> crystal structure of double mutant phenylalanine ammonia-2 lyase from anabaena variabilis  |