

# Phyre2

|               |                              |
|---------------|------------------------------|
| Email         | I.a.kelley@imperial.ac.uk    |
| Description   | A1A5B6                       |
| Date          | Wed Jul 10 14:22:24 BST 2013 |
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Detailed template information

| #  | Template | Alignment Coverage | 3D Model | Confidence | % i.d. | Template Information  |
|----|----------|--------------------|----------|------------|--------|---|
| 1  | c2g77A_  |                    |          | 100.0      | 20     | <b>PDB header:</b> hydrolase activator/protein transport<br><b>Chain:</b> A: <b>PDB Molecule:</b> gtpase-activating protein gyp1;<br><b>PDBTitle:</b> crystal structure of gyp1 tbc domain in complex with rab332 gtpase bound to gdp and alf3                          |
| 2  | c2qfzB_  |                    |          | 100.0      | 21     | <b>PDB header:</b> hydrolase activator<br><b>Chain:</b> B: <b>PDB Molecule:</b> tbc1 domain family member 22a;<br><b>PDBTitle:</b> crystal structure of human tbc1 domain family member 22a   |
| 3  | c4hlqE_  |                    |          | 100.0      | 27     | <b>PDB header:</b> hydrolase activator/protein transport<br><b>Chain:</b> E: <b>PDB Molecule:</b> tbc1 domain family member 20;<br><b>PDBTitle:</b> crystal structure of human rab1b bound to gdp and bef3 in complex with2 the gap domain of tbc1d20 from homo sapiens |
| 4  | c2qq8A_  |                    |          | 100.0      | 25     | <b>PDB header:</b> hydrolase activator<br><b>Chain:</b> A: <b>PDB Molecule:</b> tbc1 domain family member 14;<br><b>PDBTitle:</b> crystal structure of the putative rabgap domain of human2 tbc1 domain family member 14  |
| 5  | c3qyeA_  |                    |          | 100.0      | 22     | <b>PDB header:</b> hydrolase activator<br><b>Chain:</b> A: <b>PDB Molecule:</b> tbc1 domain family member 1;<br><b>PDBTitle:</b> crystal structure of human tbc1d1 rabgap domain  |
| 6  | c3qybA_  |                    |          | 100.0      | 23     | <b>PDB header:</b> hydrolase activator<br><b>Chain:</b> A: <b>PDB Molecule:</b> tbc1 domain family member 4;<br><b>PDBTitle:</b> x-ray crystal structure of human tbc1d4 (as160) rabgap domain  |
| 7  | d1fkma1  |                    |          | 100.0      | 23     | <b>Fold:</b> Left-handed superhelix<br><b>Superfamily:</b> Ypt/Rab-GAP domain of gyp1p<br><b>Family:</b> Ypt/Rab-GAP domain of gyp1p  |
| 8  | c3gwlA_  |                    |          | 100.0      | 12     | <b>PDB header:</b> hydrolase activator<br><b>Chain:</b> A: <b>PDB Molecule:</b> tbc1 domain family member 7;<br><b>PDBTitle:</b> crystal structure of human tbc1 domain family member 7   |
| 9  | c3dzxA_  |                    |          | 100.0      | 18     | <b>PDB header:</b> hydrolase activator<br><b>Chain:</b> A: <b>PDB Molecule:</b> tbc1 domain family member 22b;<br><b>PDBTitle:</b> crystal structure of the rabgap domain of human tbc1d22b   |
| 10 | c3hzjB_  |                    |          | 100.0      | 24     | <b>PDB header:</b> hydrolase activator<br><b>Chain:</b> B: <b>PDB Molecule:</b> rab gtpase-activating protein 1-like;<br><b>PDBTitle:</b> crystal structure of the rabgap domain of the rabgap1l2 protein   |
| 11 | d1fkma2  |                    |          | 99.6       | 17     | <b>Fold:</b> Left-handed superhelix<br><b>Superfamily:</b> Ypt/Rab-GAP domain of gyp1p<br><b>Family:</b> Ypt/Rab-GAP domain of gyp1p  |

|    |                         |  |              |      |    |   |
|----|-------------------------|--|--------------|------|----|---|
| 12 | <a href="#">d1wmha</a>  |  |              | 97.9 | 21 | <b>Fold:</b> beta-Grasp (ubiquitin-like)<br><b>Superfamily:</b> CAD & PB1 domains<br><b>Family:</b> PB1 domain  |
| 13 | <a href="#">c2ktrA</a>  |  |              | 97.6 | 15 | <b>PDB header:</b> signaling protein, transport protein<br><b>Chain:</b> A: <b>PDB Molecule:</b> sequestosome-1;<br><b>PDBTitle:</b> nmr structure of p62 pb1 dimer determined based on pcs   |
| 14 | <a href="#">d2bkfa1</a> |  |              | 97.4 | 31 | <b>Fold:</b> beta-Grasp (ubiquitin-like)<br><b>Superfamily:</b> CAD & PB1 domains<br><b>Family:</b> PB1 domain  |
| 15 | <a href="#">d1wj6a</a>  |  |              | 97.3 | 24 | <b>Fold:</b> beta-Grasp (ubiquitin-like)<br><b>Superfamily:</b> CAD & PB1 domains<br><b>Family:</b> PB1 domain  |
| 16 | <a href="#">d1ip9a</a>  |  |              | 96.6 | 12 | <b>Fold:</b> beta-Grasp (ubiquitin-like)<br><b>Superfamily:</b> CAD & PB1 domains<br><b>Family:</b> PB1 domain  |
| 17 | <a href="#">d1wmhb</a>  |  |              | 93.5 | 29 | <b>Fold:</b> beta-Grasp (ubiquitin-like)<br><b>Superfamily:</b> CAD & PB1 domains<br><b>Family:</b> PB1 domain  |
| 18 | <a href="#">d2i1sa1</a> |  |              | 63.1 | 14 | <b>Fold:</b> MM3350-like<br><b>Superfamily:</b> MM3350-like<br><b>Family:</b> MM3350-like   |
| 19 | <a href="#">c2c60A</a>  |  |              | 62.9 | 22 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> human mitogen-activated protein kinase kinase<br><b>PDBTitle:</b> crystal structure of human mitogen-activated protein kinase2 kinase kinase 3 isoform 2 phox domain at 1.25 a resolution |
| 20 | <a href="#">d2c60a1</a> |  |              | 62.6 | 22 | <b>Fold:</b> beta-Grasp (ubiquitin-like)<br><b>Superfamily:</b> CAD & PB1 domains<br><b>Family:</b> PB1 domain  |
| 21 | <a href="#">c4gaoA</a>  |  | not modelled | 61.4 | 9  | <b>PDB header:</b> ligase/peptide<br><b>Chain:</b> A: <b>PDB Molecule:</b> dcn1-like protein 2;<br><b>PDBTitle:</b> dcnl complex with n-terminally acetylated nedd8 e2 peptide  |
| 22 | <a href="#">d1jhda2</a> |  | not modelled | 55.0 | 23 | <b>Fold:</b> Adenine nucleotide alpha hydrolase-like<br><b>Superfamily:</b> Nucleotidyl transferase<br><b>Family:</b> ATP sulfurylase catalytic domain  |
| 23 | <a href="#">d2nptb1</a> |  | not modelled | 54.1 | 27 | <b>Fold:</b> beta-Grasp (ubiquitin-like)<br><b>Superfamily:</b> CAD & PB1 domains<br><b>Family:</b> PB1 domain  |
| 24 | <a href="#">d1x6va2</a> |  | not modelled | 47.7 | 19 | <b>Fold:</b> Adenine nucleotide alpha hydrolase-like<br><b>Superfamily:</b> Nucleotidyl transferase<br><b>Family:</b> ATP sulfurylase catalytic domain  |
| 25 | <a href="#">c2qjfB</a>  |  | not modelled | 41.8 | 19 | <b>PDB header:</b> transferase<br><b>Chain:</b> B: <b>PDB Molecule:</b> bifunctional 3'-phosphoadenosine 5'-<br><b>PDBTitle:</b> crystal structure of atp-sulfurylase domain of human paps2 synthetase 1  |
| 26 | <a href="#">c1jhdA</a>  |  | not modelled | 41.1 | 23 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> sulfate adenyllyltransferase;<br><b>PDBTitle:</b> crystal structure of bacterial atp sulfurylase from the2 riftia pachyptila symbiont   |
| 27 | <a href="#">c2wo3B</a>  |  | not modelled | 38.3 | 24 | <b>PDB header:</b> transferase/signaling protein<br><b>Chain:</b> B: <b>PDB Molecule:</b> ephrin-a2;<br><b>PDBTitle:</b> crystal structure of the epha4-ephrina2 complex  |
| 28 | <a href="#">c3kevA</a>  |  | not modelled | 33.6 | 14 | <b>PDB header:</b> structural genomics, unknown function<br><b>Chain:</b> A: <b>PDB Molecule:</b> galieria sulfuraria dcun1 domain-containing protein;<br><b>PDBTitle:</b> x-ray crystal structure of a dcun1 domain-containing protein from2 galieria sulfuraria |

|    |                         |  |           |              |      |    |  |
|----|-------------------------|--|-----------|--------------|------|----|--|
| 29 | <a href="#">c1xjqA</a>  |  | Alignment | not modelled | 30.0 | 19 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> bifunctional 3'-phosphoadenosine 5'-phosphosulfate<br><b>PDBTitle:</b> adp complex of human paps synthetase 1  |
| 30 | <a href="#">c2v6zM</a>  |  | Alignment | not modelled | 28.7 | 26 | <b>PDB header:</b> transferase<br><b>Chain:</b> M: <b>PDB Molecule:</b> dna polymerase epsilon subunit 2;<br><b>PDBTitle:</b> solution structure of amino terminal domain of human dna2 polymerase epsilon subunit b   |
| 31 | <a href="#">c3riuC</a>  |  | Alignment | not modelled | 27.5 | 12 | <b>PDB header:</b> hydrolase<br><b>Chain:</b> C: <b>PDB Molecule:</b> translin associated factor x, isoform b;<br><b>PDBTitle:</b> crystal structure of drosophila hexameric c3po formed by truncated2 translin and trax   |
| 32 | <a href="#">d1u5ta1</a> |  | Alignment | not modelled | 26.8 | 14 | <b>Fold:</b> DNA/RNA-binding 3-helical bundle<br><b>Superfamily:</b> "Winged helix" DNA-binding domain<br><b>Family:</b> Vacuolar sorting protein domain   |
| 33 | <a href="#">c1xnjB</a>  |  | Alignment | not modelled | 26.7 | 19 | <b>PDB header:</b> transferase<br><b>Chain:</b> B: <b>PDB Molecule:</b> bifunctional 3'-phosphoadenosine 5'-phosphosulfate<br><b>PDBTitle:</b> aps complex of human paps synthetase 1  |
| 34 | <a href="#">c2is9A</a>  |  | Alignment | not modelled | 26.3 | 7  | <b>PDB header:</b> transcription<br><b>Chain:</b> A: <b>PDB Molecule:</b> defective in cullin neddylation protein 1;<br><b>PDBTitle:</b> structure of yeast dcn-1  |
| 35 | <a href="#">c2js3B</a>  |  | Alignment | not modelled | 25.7 | 60 | <b>PDB header:</b> structural genomics, unknown function<br><b>Chain:</b> B: <b>PDB Molecule:</b> uncharacterized protein;<br><b>PDBTitle:</b> nmr structure of protein q6n9a4_rhopa. northeast structural genomics2 consortium target rpt8  |
| 36 | <a href="#">d1wgra</a>  |  | Alignment | not modelled | 25.3 | 25 | <b>Fold:</b> beta-Grasp (ubiquitin-like)<br><b>Superfamily:</b> Ubiquitin-like<br><b>Family:</b> Ras-binding domain, RBD   |
| 37 | <a href="#">d1x87a</a>  |  | Alignment | not modelled | 25.2 | 24 | <b>Fold:</b> Urocanase<br><b>Superfamily:</b> Urocanase<br><b>Family:</b> Urocanase  |
| 38 | <a href="#">d1erda</a>  |  | Alignment | not modelled | 24.3 | 42 | <b>Fold:</b> Protozoan pheromone-like<br><b>Superfamily:</b> Protozoan pheromone proteins<br><b>Family:</b> Protozoan pheromone proteins   |
| 39 | <a href="#">c1erdA</a>  |  | Alignment | not modelled | 24.3 | 42 | <b>PDB header:</b> pheromone<br><b>Chain:</b> A: <b>PDB Molecule:</b> pheromone er-2;<br><b>PDBTitle:</b> the nmr solution structure of the pheromone er-2 from the2 ciliated protozoan euplotes raikovi   |
| 40 | <a href="#">d1pqsa</a>  |  | Alignment | not modelled | 24.2 | 25 | <b>Fold:</b> beta-Grasp (ubiquitin-like)<br><b>Superfamily:</b> CAD & PB1 domains<br><b>Family:</b> PB1 domain   |
| 41 | <a href="#">c2kc1A</a>  |  | Alignment | not modelled | 23.3 | 12 | <b>PDB header:</b> structural protein<br><b>Chain:</b> A: <b>PDB Molecule:</b> mkiaa1027 protein;<br><b>PDBTitle:</b> nmr structure of the f0 domain (residues 0-85) of the talin2 ferm domain   |
| 42 | <a href="#">d1gtea5</a> |  | Alignment | not modelled | 21.8 | 19 | <b>Fold:</b> Ferrodoxin-like<br><b>Superfamily:</b> 4Fe-4S ferredoxins<br><b>Family:</b> Ferrodoxin domains from multidomain proteins  |
| 43 | <a href="#">d2cula1</a> |  | Alignment | not modelled | 21.7 | 25 | <b>Fold:</b> beta-Grasp (ubiquitin-like)<br><b>Superfamily:</b> CAD & PB1 domains<br><b>Family:</b> PB1 domain   |
| 44 | <a href="#">c4gbaA</a>  |  | Alignment | not modelled | 20.8 | 10 | <b>PDB header:</b> ligase/peptide<br><b>Chain:</b> A: <b>PDB Molecule:</b> dcn1-like protein 3;<br><b>PDBTitle:</b> dcnl complex with n-terminally acetylated nedd8 e2 peptide   |
| 45 | <a href="#">c3bg3A</a>  |  | Alignment | not modelled | 20.1 | 8  | <b>PDB header:</b> cell cycle, ligase<br><b>Chain:</b> A: <b>PDB Molecule:</b> defective in cullin neddylation protein 1;<br><b>PDBTitle:</b> crystal structure of s. cerevisiae dcn1  |
| 46 | <a href="#">d1cexa</a>  |  | Alignment | not modelled | 19.5 | 18 | <b>Fold:</b> alpha/beta-Hydrolases<br><b>Superfamily:</b> alpha/beta-Hydrolases<br><b>Family:</b> Cutinase-like  |
| 47 | <a href="#">d1g8fa2</a> |  | Alignment | not modelled | 18.6 | 31 | <b>Fold:</b> Adenine nucleotide alpha hydrolase-like<br><b>Superfamily:</b> Nucleotidyl transferase<br><b>Family:</b> ATP sulfurylase catalytic domain   |
| 48 | <a href="#">d1iyjb1</a> |  | Alignment | not modelled | 18.6 | 30 | <b>Fold:</b> BRCA2 helical domain<br><b>Superfamily:</b> BRCA2 helical domain<br><b>Family:</b> BRCA2 helical domain   |
| 49 | <a href="#">d1uwka</a>  |  | Alignment | not modelled | 18.2 | 14 | <b>Fold:</b> Urocanase<br><b>Superfamily:</b> Urocanase<br><b>Family:</b> Urocanase  |
| 50 | <a href="#">d1zkda1</a> |  | Alignment | not modelled | 17.8 | 16 | <b>Fold:</b> S-adenosyl-L-methionine-dependent methyltransferases<br><b>Superfamily:</b> S-adenosyl-L-methionine-dependent methyltransferases<br><b>Family:</b> RPA4359-like   |
| 51 | <a href="#">c2rdcA</a>  |  | Alignment | not modelled | 17.6 | 24 | <b>PDB header:</b> lipid binding protein<br><b>Chain:</b> A: <b>PDB Molecule:</b> uncharacterized protein;<br><b>PDBTitle:</b> crystal structure of a putative lipid binding protein (gsu0061) from2 geobacter sulfurreducens pca at 1.80 a resolution   |
| 52 | <a href="#">d1m8pa2</a> |  | Alignment | not modelled | 17.6 | 28 | <b>Fold:</b> Adenine nucleotide alpha hydrolase-like<br><b>Superfamily:</b> Nucleotidyl transferase<br><b>Family:</b> ATP sulfurylase catalytic domain   |
| 53 | <a href="#">c2r83B</a>  |  | Alignment | not modelled | 17.4 | 19 | <b>PDB header:</b> endocytosis, exocytosis<br><b>Chain:</b> B: <b>PDB Molecule:</b> synaptotagmin-1;<br><b>PDBTitle:</b> crystal structure analysis of human synaptotagmin 1 c2a-c2b   |
| 54 | <a href="#">c4f3nA</a>  |  | Alignment | not modelled | 17.0 | 15 | <b>PDB header:</b> unknown function<br><b>Chain:</b> A: <b>PDB Molecule:</b> uncharacterized acr, cog1565 superfamily;<br><b>PDBTitle:</b> high resolution native crystal structure of an uncharacterized acr,2 cog1565 superfamily protein from burkholderia thailandensis, solved3 by iodide ion sad |
|    |                         |  |           |              |      |    | <b>Fold:</b> OB-fold   |

|    |                         |           |              |      |    |   |
|----|-------------------------|-----------|--------------|------|----|---|
| 55 | <a href="#">d1k28a1</a> | Alignment | not modelled | 16.7 | 41 | <b>Superfamily:</b> gp5 N-terminal domain-like<br><b>Family:</b> gp4 N-terminal domain-like   |
| 56 | <a href="#">c2fknC</a>  | Alignment | not modelled | 15.8 | 17 | <b>PDB header:</b> lyase<br><b>Chain:</b> C: <b>PDB Molecule:</b> urocanate hydratase;<br><b>PDBTitle:</b> crystal structure of urocanase from bacillus subtilis  |
| 57 | <a href="#">d1xsva</a>  | Alignment | not modelled | 15.6 | 25 | <b>Fold:</b> DNA/RNA-binding 3-helical bundle<br><b>Superfamily:</b> Sigma3 and sigma4 domains of RNA polymerase sigma factors<br><b>Family:</b> YlxM/p13-like  |
| 58 | <a href="#">d1v92a</a>  | Alignment | not modelled | 15.4 | 44 | <b>Fold:</b> RuvA C-terminal domain-like<br><b>Superfamily:</b> UBA-like<br><b>Family:</b> TAP-C domain-like  |
| 59 | <a href="#">c2datA</a>  | Alignment | not modelled | 15.4 | 15 | <b>PDB header:</b> transcription<br><b>Chain:</b> A: <b>PDB Molecule:</b> possible global transcription activator snf2l2;<br><b>PDBTitle:</b> solution structure of the bromodomain of human swi/snf2 related matrix associated actin dependent regulator of3 cromatin subfamily a member 2               |
| 60 | <a href="#">c1sghA</a>  | Alignment | not modelled | 15.4 | 30 | <b>PDB header:</b> structural protein<br><b>Chain:</b> A: <b>PDB Molecule:</b> moesin;<br><b>PDBTitle:</b> moesin ferm domain bound to ebp50 c-terminal peptide   |
| 61 | <a href="#">c2h89B</a>  | Alignment | not modelled | 15.1 | 24 | <b>PDB header:</b> oxidoreductase<br><b>Chain:</b> B: <b>PDB Molecule:</b> succinate dehydrogenase ip subunit;<br><b>PDBTitle:</b> avian respiratory complex ii with malonate bound   |
| 62 | <a href="#">c2I92A</a>  | Alignment | not modelled | 14.6 | 54 | <b>PDB header:</b> dna binding protein<br><b>Chain:</b> A: <b>PDB Molecule:</b> histone family protein nucleoid-structuring protein h-ns;<br><b>PDBTitle:</b> solution structure of the c-terminal domain of h-ns like protein bv3f   |
| 63 | <a href="#">c3rjoA</a>  | Alignment | not modelled | 14.3 | 10 | <b>PDB header:</b> hydrolase<br><b>Chain:</b> A: <b>PDB Molecule:</b> endoplasmic reticulum aminopeptidase 1;<br><b>PDBTitle:</b> crystal structure of erap1 peptide binding domain   |
| 64 | <a href="#">c2i1jA</a>  | Alignment | not modelled | 14.3 | 25 | <b>PDB header:</b> cell adhesion, membrane protein<br><b>Chain:</b> A: <b>PDB Molecule:</b> moesin;<br><b>PDBTitle:</b> moesin from spodoptera frugiperda at 2.1 angstroms resolution   |
| 65 | <a href="#">d1wt8a1</a> | Alignment | not modelled | 13.9 | 80 | <b>Fold:</b> Knottins (small inhibitors, toxins, lectins)<br><b>Superfamily:</b> Scorpion toxin-like<br><b>Family:</b> Short-chain scorpion toxins  |
| 66 | <a href="#">c3mzyA</a>  | Alignment | not modelled | 13.4 | 11 | <b>PDB header:</b> rna binding protein<br><b>Chain:</b> A: <b>PDB Molecule:</b> rna polymerase sigma-h factor;<br><b>PDBTitle:</b> the crystal structure of the rna polymerase sigma-h factor from2 fusobacterium nucleatum to 2.5a   |
| 67 | <a href="#">d1n0ea</a>  | Alignment | not modelled | 13.3 | 13 | <b>Fold:</b> Double-split beta-barrel<br><b>Superfamily:</b> AbrB/MazE/MraZ-like<br><b>Family:</b> Hypothetical protein MraZ  |
| 68 | <a href="#">c2g0bG</a>  | Alignment | not modelled | 13.2 | 8  | <b>PDB header:</b> transferase<br><b>Chain:</b> G: <b>PDB Molecule:</b> feem;<br><b>PDBTitle:</b> the structure of feem, an n-acyl amino acid synthase from uncultured2 soil microbes   |
| 69 | <a href="#">c1n0fF</a>  | Alignment | not modelled | 13.2 | 13 | <b>PDB header:</b> biosynthetic protein<br><b>Chain:</b> F: <b>PDB Molecule:</b> protein mraz;<br><b>PDBTitle:</b> crystal structure of a cell division and cell wall2 biosynthesis protein upf0040 from mycoplasma pneumoniae:3 indication of a novel fold with a possible new conserved4 sequence motif |
| 70 | <a href="#">c3hugA</a>  | Alignment | not modelled | 12.9 | 16 | <b>PDB header:</b> transcription/membrane protein<br><b>Chain:</b> A: <b>PDB Molecule:</b> rna polymerase sigma factor;<br><b>PDBTitle:</b> crystal structure of mycobacterium tuberculosis anti-sigma factor rsla2 in complex with -35 promoter binding domain of sigl                                   |
| 71 | <a href="#">c3vpbF</a>  | Alignment | not modelled | 12.9 | 43 | <b>PDB header:</b> ligase<br><b>Chain:</b> F: <b>PDB Molecule:</b> alpha-amino adipate carrier protein lysw;<br><b>PDBTitle:</b> argn from sulfolobus tokodaii complexed with2 lysw/glu/adp/mg/zn/sulfate   |
| 72 | <a href="#">c3axjb</a>  | Alignment | not modelled | 11.9 | 17 | <b>PDB header:</b> dna binding protein<br><b>Chain:</b> B: <b>PDB Molecule:</b> translin associated factor x, isoform b;<br><b>PDBTitle:</b> high resolution crystal structure of c3po  |
| 73 | <a href="#">d3d7ca1</a> | Alignment | not modelled | 11.7 | 13 | <b>Fold:</b> Bromodomain-like<br><b>Superfamily:</b> Bromodomain<br><b>Family:</b> Bromodomain  |
| 74 | <a href="#">c2j89A</a>  | Alignment | not modelled | 11.6 | 24 | <b>PDB header:</b> oxidoreductase<br><b>Chain:</b> A: <b>PDB Molecule:</b> methionine sulfoxide reductase a;<br><b>PDBTitle:</b> functional and structural aspects of poplar cytosolic and2 plastidial type a methionine sulfoxide reductases   |
| 75 | <a href="#">c2damA</a>  | Alignment | not modelled | 11.4 | 20 | <b>PDB header:</b> structural genomics, unknown function<br><b>Chain:</b> A: <b>PDB Molecule:</b> etea protein;<br><b>PDBTitle:</b> solution structure of the novel identified uba-like domain2 in the n-terminal of human etea protein   |
| 76 | <a href="#">c3vepA</a>  | Alignment | not modelled | 11.3 | 19 | <b>PDB header:</b> membrane protein/transcription<br><b>Chain:</b> A: <b>PDB Molecule:</b> probable rna polymerase sigma-d factor;<br><b>PDBTitle:</b> crystal structure of sigd4 in complex with its negative regulator rsda   |
| 77 | <a href="#">c3se6A</a>  | Alignment | not modelled | 11.1 | 14 | <b>PDB header:</b> hydrolase<br><b>Chain:</b> A: <b>PDB Molecule:</b> endoplasmic reticulum aminopeptidase 2;<br><b>PDBTitle:</b> crystal structure of the human endoplasmic reticulum aminopeptidase 2   |
| 78 | <a href="#">c4f5cA</a>  | Alignment | not modelled | 11.0 | 11 | <b>PDB header:</b> hydrolase/viral protein<br><b>Chain:</b> A: <b>PDB Molecule:</b> aminopeptidase n;<br><b>PDBTitle:</b> crystal structure of the spike receptor binding domain of a porcine2 respiratory coronavirus in complex with the pig aminopeptidase n3 ectodomain                               |
| 79 | <a href="#">c1a6cA</a>  | Alignment | not modelled | 10.9 | 19 | <b>PDB header:</b> virus<br><b>Chain:</b> A: <b>PDB Molecule:</b> tobacco ringspot virus capsid protein;<br><b>PDBTitle:</b> structure of tobacco ringspot virus  |
|    |                         |           |              |      |    | <b>Fold:</b> DNA/RNA-binding 3-helical bundle   |

|    |                          |           |              |      |    |   |
|----|--------------------------|-----------|--------------|------|----|---|
| 80 | <a href="#">d1s7oa_</a>  | Alignment | not modelled | 10.8 | 17 | <b>Superfamily:</b> Sigma3 and sigma4 domains of RNA polymerase sigma factors<br><b>Family:</b> YlxM/p13-like   |
| 81 | <a href="#">c1kilE_</a>  | Alignment | not modelled | 10.8 | 57 | <b>PDB header:</b> membrane protein<br><b>Chain:</b> E: <b>PDB Molecule:</b> complexin i snare-complex binding region;<br><b>PDBTitle:</b> three-dimensional structure of the complexin/snare complex   |
| 82 | <a href="#">d2hzaa1</a>  | Alignment | not modelled | 10.7 | 13 | <b>Fold:</b> Ribbon-helix-helix<br><b>Superfamily:</b> Ribbon-helix-helix<br><b>Family:</b> CopG-like   |
| 83 | <a href="#">c3qztaA_</a> | Alignment | not modelled | 10.6 | 13 | <b>PDB header:</b> transcription/nuclear protein<br><b>Chain:</b> A: <b>PDB Molecule:</b> nucleosome-remodeling factor subunit bptf;<br><b>PDBTitle:</b> crystal structure of bptf bromo in complex with histone h4k16ac - form2 ii           |
| 84 | <a href="#">c1p0oA_</a>  | Alignment | not modelled | 10.5 | 21 | <b>PDB header:</b> ribosome<br><b>Chain:</b> A: <b>PDB Molecule:</b> 19-mer peptide from 50s ribosomal protein [1];<br><b>PDBTitle:</b> hp (2-20) substitution of trp for gln and asp at position2 17 and 19 modification in sds-d25 micelles |
| 85 | <a href="#">c3hzua_</a>  | Alignment | not modelled | 10.5 | 22 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> thiosulfate sulfurtransferase ssea;<br><b>PDBTitle:</b> crystal structure of probable thiosulfate sulfurtransferase ssea2 (rhodanese) from mycobacterium tuberculosis |
| 86 | <a href="#">c3pilA_</a>  | Alignment | not modelled | 10.0 | 21 | <b>PDB header:</b> oxidoreductase<br><b>Chain:</b> A: <b>PDB Molecule:</b> peptide methionine sulfoxide reductase;<br><b>PDBTitle:</b> crystal structure of mxr1 from saccharomyces cerevisiae in reduced 2 form                              |
| 87 | <a href="#">d1shxa1</a>  | Alignment | not modelled | 9.7  | 27 | <b>Fold:</b> Cupredoxin-like<br><b>Superfamily:</b> Cupredoxins<br><b>Family:</b> Ephrin ectodomain   |
| 88 | <a href="#">c2x11B_</a>  | Alignment | not modelled | 9.7  | 27 | <b>PDB header:</b> receptor/signaling protein<br><b>Chain:</b> B: <b>PDB Molecule:</b> ephrin-a5;<br><b>PDBTitle:</b> crystal structure of the complete epha2 ectodomain in2 complex with ephrin a5 receptor binding domain                   |
| 89 | <a href="#">c2emtB_</a>  | Alignment | not modelled | 9.5  | 30 | <b>PDB header:</b> cell adhesion<br><b>Chain:</b> B: <b>PDB Molecule:</b> radixin;<br><b>PDBTitle:</b> crystal structure analysis of the radixin ferm domain2 complexed with adhesion molecule psgl-1   |
| 90 | <a href="#">c3fmxX_</a>  | Alignment | not modelled | 9.5  | 36 | <b>PDB header:</b> oxidoreductase<br><b>Chain:</b> X: <b>PDB Molecule:</b> tartrate dehydrogenase/decarboxylase;<br><b>PDBTitle:</b> crystal structure of tartrate dehydrogenase from pseudomonas2 putida complexed with nadh                 |
| 91 | <a href="#">d1pugb_</a>  | Alignment | not modelled | 9.1  | 22 | <b>Fold:</b> YbaB-like<br><b>Superfamily:</b> YbaB-like<br><b>Family:</b> YbaB-like   |
| 92 | <a href="#">c1gg3A_</a>  | Alignment | not modelled | 9.1  | 16 | <b>PDB header:</b> membrane protein<br><b>Chain:</b> A: <b>PDB Molecule:</b> erythroid membrane protein 4.1r;<br><b>PDBTitle:</b> crystal structure of the protein 4.1r membrane binding2 domain  |
| 93 | <a href="#">d1qloa_</a>  | Alignment | not modelled | 8.9  | 23 | <b>Fold:</b> beta-Grasp (ubiquitin-like)<br><b>Superfamily:</b> CAD & PB1 domains<br><b>Family:</b> PB1 domain  |
| 94 | <a href="#">d1miua1</a>  | Alignment | not modelled | 8.9  | 31 | <b>Fold:</b> BRCA2 helical domain<br><b>Superfamily:</b> BRCA2 helical domain<br><b>Family:</b> BRCA2 helical domain  |
| 95 | <a href="#">d2f1ka1</a>  | Alignment | not modelled | 8.5  | 16 | <b>Fold:</b> 6-phosphogluconate dehydrogenase C-terminal domain-like<br><b>Superfamily:</b> 6-phosphogluconate dehydrogenase C-terminal domain-like<br><b>Family:</b> TyrA dimerization domain-like   |
| 96 | <a href="#">c3zc1E_</a>  | Alignment | not modelled | 8.4  | 13 | <b>PDB header:</b> hydrolase<br><b>Chain:</b> E: <b>PDB Molecule:</b> aftrax;<br><b>PDBTitle:</b> crystal structure of afc3po   |
| 97 | <a href="#">c3nxkB_</a>  | Alignment | not modelled | 8.3  | 11 | <b>PDB header:</b> transcription<br><b>Chain:</b> B: <b>PDB Molecule:</b> cat eye syndrome critical region protein 2;<br><b>PDBTitle:</b> crystal structure of the bromodomain of human cecr2   |
| 98 | <a href="#">d1c20a_</a>  | Alignment | not modelled | 8.2  | 13 | <b>Fold:</b> DNA/RNA-binding 3-helical bundle<br><b>Superfamily:</b> ARID-like<br><b>Family:</b> ARID domain  |
| 99 | <a href="#">d2c5lc1</a>  | Alignment | not modelled | 8.1  | 21 | <b>Fold:</b> beta-Grasp (ubiquitin-like)<br><b>Superfamily:</b> Ubiquitin-like<br><b>Family:</b> Ras-binding domain, RBD  |