

# Phyre<sup>2</sup>

|               |                              |
|---------------|------------------------------|
| Email         | mdejesus@rockefeller.edu     |
| Description   | RVBD0695_(-)_794718_795473   |
| Date          | Fri Jul 26 01:50:26 BST 2019 |
| Unique Job ID | efdb55ef2e8c7309             |

Detailed template information

| #  | Template | Alignment Coverage | 3D Model | Confidence | % i.d. | Template Information   |
|----|----------|--------------------|----------|------------|--------|--|
| 1  | d1v7za_  | Alignment          |          | 100.0      | 30     | <b>Fold:</b> Creatininase<br><b>Superfamily:</b> Creatininase<br><b>Family:</b> Creatininase   |
| 2  | c3no4A_  | Alignment          |          | 100.0      | 23     | <b>PDB header:</b> hydrolase<br><b>Chain:</b> A: <b>PDB Molecule:</b> creatinine amidohydrolase;<br><b>PDBTitle:</b> crystal structure of a creatinine amidohydrolase (pnun_f1913) from2 nostoc punctiforme pcc 73102 at 2.00 a resolution                   |
| 3  | c3lubE_  | Alignment          |          | 100.0      | 23     | <b>PDB header:</b> hydrolase<br><b>Chain:</b> E: <b>PDB Molecule:</b> putative creatinine amidohydrolase;<br><b>PDBTitle:</b> crystal structure of putative creatinine amidohydrolase (yp_211512.1)2 from bacteroides fragilis ntc 9343 at 2.11 a resolution |
| 4  | c2zqeA_  | Alignment          |          | 75.3       | 23     | <b>PDB header:</b> dna binding protein<br><b>Chain:</b> A: <b>PDB Molecule:</b> muts2 protein;<br><b>PDBTitle:</b> crystal structure of the smr domain of thermus thermophilus muts2   |
| 5  | c2IndA_  | Alignment          |          | 65.8       | 27     | <b>PDB header:</b> de novo protein<br><b>Chain:</b> A: <b>PDB Molecule:</b> de novo designed protein, pfk fold;<br><b>PDBTitle:</b> solution nmr structure of de novo designed protein, pfk fold,2 northeast structural genomics consortium target or134     |
| 6  | c1un9B_  | Alignment          |          | 57.8       | 15     | <b>PDB header:</b> kinase<br><b>Chain:</b> B: <b>PDB Molecule:</b> dihydroxyacetone kinase;<br><b>PDBTitle:</b> crystal structure of the dihydroxyacetone kinase from c.2 freundii in complex with amp-pnp and mg2+  |
| 7  | c2wyI_   | Alignment          |          | 57.3       | 13     | <b>PDB header:</b> hydrolase<br><b>Chain:</b> F: <b>PDB Molecule:</b> l-ascorbate-6-phosphate lactonase ulag;<br><b>PDBTitle:</b> apo structure of a metallo-β-lactamase   |
| 8  | c4ochA_  | Alignment          |          | 56.0       | 20     | <b>PDB header:</b> hydrolase<br><b>Chain:</b> A: <b>PDB Molecule:</b> endonuclease muts2;<br><b>PDBTitle:</b> apo structure of smr domain of muts2 from deinococcus radiodurans  |
| 9  | c3qd7X_  | Alignment          |          | 54.3       | 16     | <b>PDB header:</b> hydrolase<br><b>Chain:</b> X: <b>PDB Molecule:</b> uncharacterized protein ydal;<br><b>PDBTitle:</b> crystal structure of ydal, a stand-alone small muts-related protein2 from escherichia coli   |
| 10 | c5t3oB_  | Alignment          |          | 47.1       | 18     | <b>PDB header:</b> transferase<br><b>Chain:</b> B: <b>PDB Molecule:</b> ribose-phosphate pyrophosphokinase;<br><b>PDBTitle:</b> crystal structure of the phosphorybosylpyrophosphate synthetase ii2 from thermus thermophilus                                |
| 11 | c3dahB_  | Alignment          |          | 45.0       | 20     | <b>PDB header:</b> transferase<br><b>Chain:</b> B: <b>PDB Molecule:</b> ribose-phosphate pyrophosphokinase;<br><b>PDBTitle:</b> 2.3 a crystal structure of ribose-phosphate pyrophosphokinase from2 burkholderia pseudomallei                                |

|    |                         |  |              |      |    |  |
|----|-------------------------|--|--------------|------|----|--|
| 12 | <a href="#">d2gwx1</a>  |  |              | 44.6 | 19 | <b>Fold:</b> Flavodoxin-like<br><b>Superfamily:</b> Flavoproteins<br><b>Family:</b> Quinone reductase  |
| 13 | <a href="#">c3lotC</a>  |  |              | 38.9 | 27 | <b>PDB header:</b> structure genomics, unknown function<br><b>Chain:</b> C: <b>PDB Molecule:</b> uncharacterized protein;<br><b>PDBTitle:</b> crystal structure of protein of unknown function (np_070038.1) from archaeoglobus fulgidus at 1.89 a resolution  |
| 14 | <a href="#">c3eo1B</a>  |  |              | 37.2 | 13 | <b>PDB header:</b> lyase<br><b>Chain:</b> B: <b>PDB Molecule:</b> isocitrate lyase;<br><b>PDBTitle:</b> 2.0a crystal structure of isocitrate lyase from brucella melitensis2 (p43212)  |
| 15 | <a href="#">c4awaA</a>  |  |              | 36.7 | 13 | <b>PDB header:</b> hydrolase/hydrolase inhibitor<br><b>Chain:</b> A: <b>PDB Molecule:</b> legumain;<br><b>PDBTitle:</b> crystal structure of active legumain in complex with yvad-cmk2 at ph 5.0   |
| 16 | <a href="#">c3e02A</a>  |  |              | 35.7 | 25 | <b>PDB header:</b> metal binding protein<br><b>Chain:</b> A: <b>PDB Molecule:</b> uncharacterized protein duf849;<br><b>PDBTitle:</b> crystal structure of a duf849 family protein (bxo_c0271) from burkholderia xenovorans lb400 at 1.90 a resolution   |
| 17 | <a href="#">c4twbB</a>  |  |              | 34.1 | 20 | <b>PDB header:</b> transferase<br><b>Chain:</b> B: <b>PDB Molecule:</b> ribose-phosphate pyrophosphokinase;<br><b>PDBTitle:</b> sulfolobus solfataricus ribose-phosphate pyrophosphokinase   |
| 18 | <a href="#">d1dkua1</a> |  |              | 33.7 | 21 | <b>Fold:</b> PRTase-like<br><b>Superfamily:</b> PRTase-like<br><b>Family:</b> Phosphoribosylpyrophosphate synthetase-like  |
| 19 | <a href="#">c3efhB</a>  |  |              | 31.1 | 14 | <b>PDB header:</b> transferase<br><b>Chain:</b> B: <b>PDB Molecule:</b> ribose-phosphate pyrophosphokinase 1;<br><b>PDBTitle:</b> crystal structure of human phosphoribosyl pyrophosphate2 synthetase 1  |
| 20 | <a href="#">c4s2uA</a>  |  |              | 29.6 | 18 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> ribose-phosphate pyrophosphokinase;<br><b>PDBTitle:</b> crystal structure of the phosphorybosylpyrophosphate synthetase from e. coli   |
| 21 | <a href="#">c3e49A</a>  |  | not modelled | 29.1 | 23 | <b>PDB header:</b> metal binding protein<br><b>Chain:</b> A: <b>PDB Molecule:</b> uncharacterized protein duf849 with a tim barrel fold;<br><b>PDBTitle:</b> crystal structure of a prokaryotic domain of unknown function (duf849)2 with a tim barrel fold (bxo_c0966) from burkholderia xenovorans lb4003 at 1.75 a resolution |
| 22 | <a href="#">c3c6cA</a>  |  | not modelled | 28.9 | 21 | <b>PDB header:</b> hydrolase<br><b>Chain:</b> A: <b>PDB Molecule:</b> 3-keto-5-aminohexanoate cleavage enzyme;<br><b>PDBTitle:</b> crystal structure of a putative 3-keto-5-aminohexanoate cleavage2 enzyme (reut_c6226) from ralstonia eutropha jmp134 at 1.72 a3 resolution  |
| 23 | <a href="#">c2qv5A</a>  |  | not modelled | 25.4 | 15 | <b>PDB header:</b> structural genomics, unknown function<br><b>Chain:</b> A: <b>PDB Molecule:</b> uncharacterized protein atu2773;<br><b>PDBTitle:</b> crystal structure of uncharacterized protein atu2773 from agrobacterium tumefaciens c58   |
| 24 | <a href="#">d1j9ja</a>  |  | not modelled | 21.9 | 19 | <b>Fold:</b> SurE-like<br><b>Superfamily:</b> SurE-like<br><b>Family:</b> SurE-like  |
| 25 | <a href="#">d1u9ya1</a> |  | not modelled | 21.9 | 20 | <b>Fold:</b> PRTase-like<br><b>Superfamily:</b> PRTase-like<br><b>Family:</b> Phosphoribosylpyrophosphate synthetase-like  |
| 26 | <a href="#">c5xtuA</a>  |  | not modelled | 20.9 | 9  | <b>PDB header:</b> hydrolase<br><b>Chain:</b> A: <b>PDB Molecule:</b> gdsl-family esterase;<br><b>PDBTitle:</b> crystal structure of gdsl esterase of photobacterium sp. j15   |
| 27 | <a href="#">c3d3jA</a>  |  | not modelled | 20.7 | 4  | <b>PDB header:</b> protein binding<br><b>Chain:</b> A: <b>PDB Molecule:</b> enhancer of mrna-decapping protein 3;<br><b>PDBTitle:</b> crystal structure of human edc3p   |
|    |                         |  |              |      |    | <b>PDB header:</b> structural genomics, unknown function   |

|    |                         |           |              |      |    |  |
|----|-------------------------|-----------|--------------|------|----|--|
| 28 | <a href="#">c2rgbB</a>  | Alignment | not modelled | 20.4 | 10 | <b>Chain:</b> B: <b>PDB Molecule:</b> putative uncharacterized protein st0493; <b>PDBTitle:</b> crystal structure of hypothetical protein(st0493) from2 sulfolobus tokodaii<br><b>PDB header:</b> oxidoreductase   |
| 29 | <a href="#">c2amjD</a>  | Alignment | not modelled | 20.3 | 25 | <b>Chain:</b> D: <b>PDB Molecule:</b> modulator of drug activity b; <b>PDBTitle:</b> crystal structure of modulator of drug activity b from escherichia coli o157:h7<br><b>PDB header:</b> ligase  |
| 30 | <a href="#">c6nfeB</a>  | Alignment | not modelled | 20.1 | 17 | <b>Chain:</b> B: <b>PDB Molecule:</b> ribose-phosphate pyrophosphokinase; <b>PDBTitle:</b> crystal structure of ribose-phosphate pyrophosphokinase from2 legionella pneumophila with bound amp, adp, and ribose-5-phosphate  |
| 31 | <a href="#">d2c4ka1</a> | Alignment | not modelled | 20.1 | 20 | <b>Fold:</b> PRTase-like<br><b>Superfamily:</b> PRTase-like<br><b>Family:</b> Phosphoribosylpyrophosphate synthetase-like  |
| 32 | <a href="#">c5zbiB</a>  | Alignment | not modelled | 20.0 | 11 | <b>PDB header:</b> plant protein<br><b>Chain:</b> B: <b>PDB Molecule:</b> peptide asparaginyl ligase; <b>PDBTitle:</b> crystal structure of asparaginyl endopeptidases from viola canadensis   |
| 33 | <a href="#">c3atyA</a>  | Alignment | not modelled | 19.8 | 12 | <b>PDB header:</b> oxidoreductase<br><b>Chain:</b> A: <b>PDB Molecule:</b> prostaglandin f2a synthase; <b>PDBTitle:</b> crystal structure of tcoye   |
| 34 | <a href="#">c2c4kd</a>  | Alignment | not modelled | 19.1 | 14 | <b>PDB header:</b> regulatory protein<br><b>Chain:</b> D: <b>PDB Molecule:</b> phosphoribosyl pyrophosphate synthetase-associated protein<br><b>PDBTitle:</b> crystal structure of human phosphoribosylpyrophosphate synthetase-2 associated protein 39 (pap39)  |
| 35 | <a href="#">c5mp7C</a>  | Alignment | not modelled | 18.0 | 22 | <b>PDB header:</b> transferase<br><b>Chain:</b> C: <b>PDB Molecule:</b> ribose-phosphate pyrophosphokinase; <b>PDBTitle:</b> crystal structure of phosphoribosylpyrophosphate synthetase from2 mycobacterium smegmatis   |
| 36 | <a href="#">c5czdB</a>  | Alignment | not modelled | 18.0 | 11 | <b>PDB header:</b> transferase<br><b>Chain:</b> B: <b>PDB Molecule:</b> acyl-carrier-protein; <b>PDBTitle:</b> the complex structure of vink with vinyl  |
| 37 | <a href="#">d1l5xa</a>  | Alignment | not modelled | 17.6 | 11 | <b>Fold:</b> SurE-like<br><b>Superfamily:</b> SurE-like<br><b>Family:</b> SurE-like  |
| 38 | <a href="#">c2phjA</a>  | Alignment | not modelled | 17.1 | 21 | <b>PDB header:</b> hydrolase<br><b>Chain:</b> A: <b>PDB Molecule:</b> 5'-nucleotidase surE; <b>PDBTitle:</b> crystal structure of surE protein from aquifex aeolicus   |
| 39 | <a href="#">c5knkB</a>  | Alignment | not modelled | 16.8 | 13 | <b>PDB header:</b> transferase<br><b>Chain:</b> B: <b>PDB Molecule:</b> lipid a biosynthesis lauroyl acyltransferase; <b>PDBTitle:</b> lipid a secondary acyltransferase lpxm from acinetobacter baumannii2 with catalytic residue substitution (e127a)  |
| 40 | <a href="#">c5vcsB</a>  | Alignment | not modelled | 16.6 | 8  | <b>PDB header:</b> transferase<br><b>Chain:</b> B: <b>PDB Molecule:</b> alpha-1,6-mannosyl-glycoprotein 2-beta-n-acetylglucosaminyltransferase2 with bound acceptor<br><b>PDB header:</b> transferase<br><b>Chain:</b> D: <b>PDB Molecule:</b> ribose-phosphate pyrophosphokinase; <b>PDBTitle:</b> crystal structure of phosphoribosyl diphosphate synthase2 from methanocaldococcus jannaschii |
| 41 | <a href="#">c1u9yD</a>  | Alignment | not modelled | 16.5 | 20 | <b>PDB header:</b> hydrolase<br><b>Chain:</b> D: <b>PDB Molecule:</b> metal-dependent hydrolase; <b>PDBTitle:</b> crystal structure of uncharacterized metallo protein from vibrio cholerae with beta-lactamase like fold  |
| 42 | <a href="#">c3bv6D</a>  | Alignment | not modelled | 15.8 | 18 | <b>PDB header:</b> hydrolase<br><b>Chain:</b> D: <b>PDB Molecule:</b> probable brix-domain ribosomal biogenesis protein; <b>PDBTitle:</b> crystal structure of probable ribosomal biogenesis protein from2 aeropyrum pernix k1   |
| 43 | <a href="#">c2v4oB</a>  | Alignment | not modelled | 15.8 | 16 | <b>PDB header:</b> cell adhesion<br><b>Chain:</b> B: <b>PDB Molecule:</b> multifunctional protein surE; <b>PDBTitle:</b> crystal structure of salmonella typhimurium surE at 2.752 angstrom resolution in monoclinic form  |
| 44 | <a href="#">d2cxha1</a> | Alignment | not modelled | 15.7 | 38 | <b>Fold:</b> Anticodon-binding domain-like<br><b>Superfamily:</b> Class II aaRS ABD-related<br><b>Family:</b> Brix domain  |
| 45 | <a href="#">c2cxhA</a>  | Alignment | not modelled | 15.7 | 38 | <b>PDB header:</b> rna binding protein<br><b>Chain:</b> A: <b>PDB Molecule:</b> probable brix-domain ribosomal biogenesis protein; <b>PDBTitle:</b> crystal structure of probable ribosomal biogenesis protein from2 aeropyrum pernix k1   |
| 46 | <a href="#">c2l0dA</a>  | Alignment | not modelled | 14.8 | 16 | <b>PDB header:</b> cell adhesion<br><b>Chain:</b> A: <b>PDB Molecule:</b> cell surface protein; <b>PDBTitle:</b> solution nmr structure of putative cell surface protein ma_4588 (272-2 376 domain) from methanosc礼cia acetivorans, northeast structural3 genomics consortium target mvr254a   |
| 47 | <a href="#">c4fguB</a>  | Alignment | not modelled | 14.8 | 9  | <b>PDB header:</b> hydrolase<br><b>Chain:</b> B: <b>PDB Molecule:</b> legumain; <b>PDBTitle:</b> crystal structure of prolegumain  |
| 48 | <a href="#">c2kxjA</a>  | Alignment | not modelled | 14.6 | 15 | <b>PDB header:</b> protein binding<br><b>Chain:</b> A: <b>PDB Molecule:</b> ubx domain-containing protein 4; <b>PDBTitle:</b> solution structure of ubx domain of human ubxd2 protein  |
| 49 | <a href="#">c5f34A</a>  | Alignment | not modelled | 14.3 | 21 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> phosphatidylinositol mannoside acyltransferase; <b>PDBTitle:</b> crystal structure of membrane associated pata from mycobacterium2 smegmatis in complex with s-hexadecyl coenzyme a - p21 space group  |
| 50 | <a href="#">d1q6za1</a> | Alignment | not modelled | 13.6 | 17 | <b>Fold:</b> DHS-like NAD/FAD-binding domain<br><b>Superfamily:</b> DHS-like NAD/FAD-binding domain<br><b>Family:</b> Pyruvate oxidase and decarboxylase, middle domain  |
| 51 | <a href="#">d2ivya1</a> | Alignment | not modelled | 13.2 | 21 | <b>Fold:</b> Ferredoxin-like<br><b>Superfamily:</b> TTP0101/SSO1404-like<br><b>Family:</b> TTP0101/SSO1404-like  |
| 52 | <a href="#">c3i4eA</a>  | Alignment | not modelled | 13.0 | 10 | <b>PDB header:</b> lyase<br><b>Chain:</b> A: <b>PDB Molecule:</b> isocitrate lyase; <b>PDBTitle:</b> crystal structure of isocitrate lyase from burkholderia2 pseudomallei<br><b>PDB header:</b> transferase   |

|    |                         |           |              |      |    |  |
|----|-------------------------|-----------|--------------|------|----|--|
| 53 | <a href="#">c1dkrB</a>  | Alignment | not modelled | 12.8 | 21 | <b>Chain: B: PDB Molecule:</b> phosphoribosyl pyrophosphate synthetase;<br><b>PDBTitle:</b> crystal structures of bacillus subtilis phosphoribosylpyrophosphate2 synthetase: molecular basis of allosteric inhibition and activation.                                  |
| 54 | <a href="#">c5xqqB</a>  | Alignment | not modelled | 12.4 | 24 | <b>PDB header:</b> ligase<br><b>Chain: B: PDB Molecule:</b> methionine-trna ligase;<br><b>PDBTitle:</b> crystal structure of apo form (free-state) mycobacterium tuberculosis2 methionyl-trna synthetase   |
| 55 | <a href="#">c3d3kD</a>  | Alignment | not modelled | 12.4 | 7  | <b>PDB header:</b> protein binding<br><b>Chain: D: PDB Molecule:</b> enhancer of mrna-decapping protein 3;<br><b>PDBTitle:</b> crystal structure of human edc3p  |
| 56 | <a href="#">c3no5C</a>  | Alignment | not modelled | 12.3 | 11 | <b>PDB header:</b> structural genomics, unknown function<br><b>Chain: C: PDB Molecule:</b> uncharacterized protein;<br><b>PDBTitle:</b> crystal structure of a pfam duf849 domain containing protein2 (reut_a1631) from ralstonia eutropha jmp134 at 1.90 a resolution |
| 57 | <a href="#">d1fxoa</a>  | Alignment | not modelled | 12.3 | 13 | <b>Fold:</b> Nucleotide-diphospho-sugar transferases<br><b>Superfamily:</b> Nucleotide-diphospho-sugar transferases<br><b>Family:</b> glucose-1-phosphate thymidyltransferase  |
| 58 | <a href="#">c5vcmA</a>  | Alignment | not modelled | 12.3 | 9  | <b>PDB header:</b> transferase<br><b>Chain: A: PDB Molecule:</b> alpha-1,6-mannosyl-glycoprotein 2-beta-n-acetylglucosaminyltransferase2 with bound udp and manganese  |
| 59 | <a href="#">c5jkjA</a>  | Alignment | not modelled | 11.9 | 16 | <b>PDB header:</b> hydrolase<br><b>Chain: A: PDB Molecule:</b> esterase e22;<br><b>PDBTitle:</b> crystal structure of esterase e22 l374d mutant  |
| 60 | <a href="#">c2v5hB</a>  | Alignment | not modelled | 11.9 | 19 | <b>PDB header:</b> transcription<br><b>Chain: B: PDB Molecule:</b> acetylglutamate kinase;<br><b>PDBTitle:</b> controlling the storage of nitrogen as arginine: the2 complex of pii and acetylglutamate kinase from3 synechococcus elongatus pcc 7942                  |
| 61 | <a href="#">d1vk8a</a>  | Alignment | not modelled | 11.8 | 19 | <b>Fold:</b> Ferredoxin-like<br><b>Superfamily:</b> MTH1187/YkoF-like<br><b>Family:</b> MTH1187-like   |
| 62 | <a href="#">c4geaG</a>  | Alignment | not modelled | 11.2 | 21 | <b>PDB header:</b> hydrolase<br><b>Chain: G: PDB Molecule:</b> 5'-nucleotidase sure;<br><b>PDBTitle:</b> crystal structure of stationary phase survival protein (sure) from2 brucella abortus  |
| 63 | <a href="#">c4rnxA</a>  | Alignment | not modelled | 10.9 | 7  | <b>PDB header:</b> oxidoreductase<br><b>Chain: A: PDB Molecule:</b> nadph dehydrogenase 1;<br><b>PDBTitle:</b> k154 circular permutation of old yellow enzyme  |
| 64 | <a href="#">d2igra1</a> | Alignment | not modelled | 10.9 | 28 | <b>Fold:</b> NAD kinase/diacylglycerol kinase-like<br><b>Superfamily:</b> NAD kinase/diacylglycerol kinase-like<br><b>Family:</b> Diacylglycerol kinase-like   |
| 65 | <a href="#">c5kstA</a>  | Alignment | not modelled | 10.6 | 19 | <b>PDB header:</b> hydrolase<br><b>Chain: A: PDB Molecule:</b> 5'-nucleotidase sure;<br><b>PDBTitle:</b> stationary phase survival protein e (sure) from xylella fastidiosa-2 xsure-tstamp (tetramer smaller - crystallization with 3'amp).                            |
| 66 | <a href="#">d1jzta</a>  | Alignment | not modelled | 10.4 | 18 | <b>Fold:</b> YjeF N-terminal domain-like<br><b>Superfamily:</b> YjeF N-terminal domain-like<br><b>Family:</b> YjeF N-terminal domain-like  |
| 67 | <a href="#">c1bdgA</a>  | Alignment | not modelled | 10.1 | 12 | <b>PDB header:</b> hexokinase<br><b>Chain: A: PDB Molecule:</b> hexokinase;<br><b>PDBTitle:</b> hexokinase from schistosoma mansoni complexed with glucose   |
| 68 | <a href="#">d2jnna1</a> | Alignment | not modelled | 9.8  | 24 | <b>Fold:</b> Dodecin subunit-like<br><b>Superfamily:</b> YdgH-like<br><b>Family:</b> YdgH-like   |
| 69 | <a href="#">d1qd1a1</a> | Alignment | not modelled | 9.5  | 24 | <b>Fold:</b> Ferredoxin-like<br><b>Superfamily:</b> Formiminotransferase domain of formiminotransferase-cyclodeaminase.<br><b>Family:</b> Formiminotransferase domain of formiminotransferase-cyclodeaminase.  |
| 70 | <a href="#">d2noca1</a> | Alignment | not modelled | 9.3  | 27 | <b>Fold:</b> Dodecin subunit-like<br><b>Superfamily:</b> YdgH-like<br><b>Family:</b> YdgH-like   |
| 71 | <a href="#">c5gnvB</a>  | Alignment | not modelled | 9.3  | 50 | <b>PDB header:</b> peptide binding protein<br><b>Chain: B: PDB Molecule:</b> microtubule-associated protein 1a;<br><b>PDBTitle:</b> structure of psd-95/map1a complex reveals unique target recognition2 mode of maguk gk domain                                       |
| 72 | <a href="#">d3dtoa1</a> | Alignment | not modelled | 9.2  | 11 | <b>Fold:</b> HD-domain/PDEase-like<br><b>Superfamily:</b> HD-domain/PDEase-like<br><b>Family:</b> HD domain  |
| 73 | <a href="#">d2vbua1</a> | Alignment | not modelled | 9.2  | 17 | <b>Fold:</b> Reductase/isomerase/elongation factor common domain<br><b>Superfamily:</b> Riboflavin kinase-like<br><b>Family:</b> CTP-dependent riboflavin kinase-like  |
| 74 | <a href="#">d3eeqa2</a> | Alignment | not modelled | 9.1  | 15 | <b>Fold:</b> CbiG N-terminal domain-like<br><b>Superfamily:</b> CbiG N-terminal domain-like<br><b>Family:</b> CbiG N-terminal domain-like  |
| 75 | <a href="#">c6cwxkB</a> | Alignment | not modelled | 8.7  | 18 | <b>PDB header:</b> hydrolase<br><b>Chain: B: PDB Molecule:</b> ribonuclease p protein subunit p25;<br><b>PDBTitle:</b> crystal structure of human ribonuclease p/mrp proteins rpp20/rpp25  |
| 76 | <a href="#">c3othB</a>  | Alignment | not modelled | 8.7  | 22 | <b>PDB header:</b> transferase/antibiotic<br><b>Chain: B: PDB Molecule:</b> calg1;<br><b>PDBTitle:</b> crystal structure of calg1, calicheamicin glycosyltransferase, tdp2 and calicheamicin alpha3i bound form  |
| 77 | <a href="#">c3ueeA</a>  | Alignment | not modelled | 8.6  | 20 | <b>PDB header:</b> hydrolase<br><b>Chain: A: PDB Molecule:</b> lip1, secretory lipase (family 3);<br><b>PDBTitle:</b> crystal structure of mono- and diacylglycerol lipase from malassezia2 globosa  |
| 78 | <a href="#">c3bmaC</a>  | Alignment | not modelled | 8.6  | 10 | <b>PDB header:</b> ligase<br><b>Chain: C: PDB Molecule:</b> d-alanyl-lipoteichoic acid synthetase;<br><b>PDBTitle:</b> crystal structure of d-alanyl-lipoteichoic acid synthetase  |

|    |                         |           |              |     |    |  |
|----|-------------------------|-----------|--------------|-----|----|--|
|    |                         |           |              |     |    | from2 streptococcus pneumoniae r6  |
| 79 | <a href="#">d1dxqa</a>  | Alignment | not modelled | 8.5 | 26 | <b>Fold:</b> Flavodoxin-like<br><b>Superfamily:</b> Flavoproteins<br><b>Family:</b> Quinone reductase  |
| 80 | <a href="#">d1gwja</a>  | Alignment | not modelled | 8.3 | 17 | <b>Fold:</b> TIM beta/alpha-barrel<br><b>Superfamily:</b> FMN-linked oxidoreductases<br><b>Family:</b> FMN-linked oxidoreductases  |
| 81 | <a href="#">c2m2jA</a>  | Alignment | not modelled | 8.2 | 27 | <b>PDB header:</b> structural genomics, unknown function<br><b>Chain:</b> A: <b>PDB Molecule:</b> putative periplasmic protein;<br><b>PDBTitle:</b> solution nmr structure of the n-terminal domain of stm1478 from2 salmonella typhimurium lt2: target str147a of the northeast3 structural genomics consortium (nsg), and apc101565 of the midwest4 center for structural genomics (mcsg). |
| 82 | <a href="#">c5dynA</a>  | Alignment | not modelled | 8.1 | 7  | <b>PDB header:</b> hydrolase<br><b>Chain:</b> A: <b>PDB Molecule:</b> putative peptidase;<br><b>PDBTitle:</b> b. fragilis cysteine protease  |
| 83 | <a href="#">c5l20A</a>  | Alignment | not modelled | 7.9 | 23 | <b>PDB header:</b> hydrolase/hydrolase inhibitor<br><b>Chain:</b> A: <b>PDB Molecule:</b> clostrypain-related protein;<br><b>PDBTitle:</b> crystal structure of a clostrypain (bt_0727) from bacteroides2 thetaiotaomicron atcc 29148 in complex with peptide inhibitor btm-3 vtik-aomk  |
| 84 | <a href="#">c3qayC</a>  | Alignment | not modelled | 7.9 | 18 | <b>PDB header:</b> lyase<br><b>Chain:</b> C: <b>PDB Molecule:</b> endolysin;<br><b>PDBTitle:</b> catalytic domain of cd27l endolysin targeting clostridia difficile  |
| 85 | <a href="#">c6mywA</a>  | Alignment | not modelled | 7.7 | 16 | <b>PDB header:</b> oxidoreductase<br><b>Chain:</b> A: <b>PDB Molecule:</b> n-ethylmaleimide reductase;<br><b>PDBTitle:</b> gluconobacter ene-reductase (gluer) mutant - t36a   |
| 86 | <a href="#">c3eeqB</a>  | Alignment | not modelled | 7.7 | 19 | <b>PDB header:</b> structural genomics, unknown function<br><b>Chain:</b> B: <b>PDB Molecule:</b> putative cobalamin biosynthesis protein g homolog;<br><b>PDBTitle:</b> crystal structure of a putative cobalamin biosynthesis protein g2 homolog from sulfolobus solfataricus  |
| 87 | <a href="#">d1qo7a</a>  | Alignment | not modelled | 7.7 | 10 | <b>Fold:</b> alpha/beta-Hydrolases<br><b>Superfamily:</b> alpha/beta-Hydrolases<br><b>Family:</b> Epoxide hydrolase  |
| 88 | <a href="#">d1ygha1</a> | Alignment | not modelled | 7.6 | 9  | <b>Fold:</b> Ferrodoxin-like<br><b>Superfamily:</b> MTH1187/YkoF-like<br><b>Family:</b> MTH1187-like   |
| 89 | <a href="#">c3fnia</a>  | Alignment | not modelled | 7.6 | 12 | <b>PDB header:</b> oxidoreductase<br><b>Chain:</b> A: <b>PDB Molecule:</b> putative flavin flavoprotein a 3;<br><b>PDBTitle:</b> crystal structure of a flavin flavoprotein a3 (all3895) from nóstoc2 sp., northeast structural genomics consortium target nsr431a   |
| 90 | <a href="#">c2l9wA</a>  | Alignment | not modelled | 7.4 | 16 | <b>PDB header:</b> splicing, rna binding protein<br><b>Chain:</b> A: <b>PDB Molecule:</b> u4/u6 snrna-associated-splicing factor prp24;<br><b>PDBTitle:</b> solution structure of the c-terminal domain of prp24   |
| 91 | <a href="#">c3ab4K</a>  | Alignment | not modelled | 7.4 | 10 | <b>PDB header:</b> transferase<br><b>Chain:</b> K: <b>PDB Molecule:</b> aspartokinase;<br><b>PDBTitle:</b> crystal structure of feedback inhibition resistant mutant of aspartate2 kinase from corynebacterium glutamicum in complex with lysine and3 threonine  |
| 92 | <a href="#">d2b61a1</a> | Alignment | not modelled | 7.3 | 13 | <b>Fold:</b> alpha/beta-Hydrolases<br><b>Superfamily:</b> alpha/beta-Hydrolases<br><b>Family:</b> O-acetyltransferase  |
| 93 | <a href="#">c2ltfA</a>  | Alignment | not modelled | 7.3 | 22 | <b>PDB header:</b> viral protein<br><b>Chain:</b> A: <b>PDB Molecule:</b> tail protein x;<br><b>PDBTitle:</b> the solution structure of phage p2 gpx   |
| 94 | <a href="#">c3i1iA</a>  | Alignment | not modelled | 7.2 | 21 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> homoserine o-acetyltransferase;<br><b>PDBTitle:</b> x-ray crystal structure of homoserine o-acetyltransferase from2 bacillus anthracis   |
| 95 | <a href="#">c3gr7A</a>  | Alignment | not modelled | 7.2 | 13 | <b>PDB header:</b> oxidoreductase<br><b>Chain:</b> A: <b>PDB Molecule:</b> nadph dehydrogenase;<br><b>PDBTitle:</b> structure of oye from geobacillus kaustophilus, hexagonal crystal form   |
| 96 | <a href="#">c5kolA</a>  | Alignment | not modelled | 7.2 | 24 | <b>PDB header:</b> unknown function<br><b>Chain:</b> A: <b>PDB Molecule:</b> uncharacterized protein;<br><b>PDBTitle:</b> crystal structure of the competence-damaged protein (cina) superfamily2 protein eck1530/ec0983 from escherichia coli   |
| 97 | <a href="#">d2bufa1</a> | Alignment | not modelled | 7.1 | 21 | <b>Fold:</b> Carbamate kinase-like<br><b>Superfamily:</b> Carbamate kinase-like<br><b>Family:</b> N-acetyl-l-glutamate kinase  |
| 98 | <a href="#">d3djb1</a>  | Alignment | not modelled | 7.1 | 0  | <b>Fold:</b> HD-domain/PDEase-like<br><b>Superfamily:</b> HD-domain/PDEase-like<br><b>Family:</b> HD domain  |
| 99 | <a href="#">c2wojD</a>  | Alignment | not modelled | 7.0 | 30 | <b>PDB header:</b> hydrolase<br><b>Chain:</b> D: <b>PDB Molecule:</b> atpase get3;<br><b>PDBTitle:</b> adp-alf4 complex of s. cerevisiae get3  |