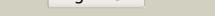
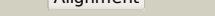
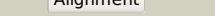


# Phyre<sup>2</sup>

|               |                              |
|---------------|------------------------------|
| Email         | mdejesus@rockefeller.edu     |
| Description   | RVBD3526_(-)_3962618_3963778 |
| Date          | Fri Aug 9 18:20:20 BST 2019  |
| Unique Job ID | 6ea3a1d5878e5277             |

Detailed template information

| #  | Template                 | Alignment Coverage  | 3D Model  | Confidence | % i.d. | Template Information   |
|----|--------------------------|---|---|------------|--------|--|
| 1  | <a href="#">c2zyIA_</a>  |    |    | 100.0      | 100    | <b>PDB header:</b> oxidoreductase<br><b>Chain:</b> A: <b>PDB Molecule:</b> possible oxidoreductase;<br><b>PDBTitle:</b> crystal structure of 3-ketosteroid-9-alpha-hydroxylase2 (ksha) from m. tuberculosis  |
| 2  | <a href="#">c4qdfaA_</a> |    |    | 100.0      | 62     | <b>PDB header:</b> oxidoreductase/oxidoreductase inhibitor<br><b>Chain:</b> A: <b>PDB Molecule:</b> 3-ketosteroid 9alpha-hydroxylase oxygenase;<br><b>PDBTitle:</b> crystal structure of apo ksha5 and ksha1 in complex with 1,4-30q-coa2 from r. rhodochrous                              |
| 3  | <a href="#">c4qdfB_</a>  |    |    | 100.0      | 61     | <b>PDB header:</b> oxidoreductase/oxidoreductase inhibitor<br><b>Chain:</b> B: <b>PDB Molecule:</b> 3-ketosteroid 9alpha-hydroxylase oxygenase;<br><b>PDBTitle:</b> crystal structure of apo ksha5 and ksha1 in complex with 1,4-30q-coa2 from r. rhodochrous                              |
| 4  | <a href="#">c3gteB_</a>  |    |   | 100.0      | 17     | <b>PDB header:</b> electron transport, oxidoreductase<br><b>Chain:</b> B: <b>PDB Molecule:</b> ddmc;<br><b>PDBTitle:</b> crystal structure of dicamba monooxygenase with non-heme iron   |
| 5  | <a href="#">c3gkqB_</a>  |  |  | 100.0      | 16     | <b>PDB header:</b> oxidoreductase<br><b>Chain:</b> B: <b>PDB Molecule:</b> terminal oxygenase component of carbazole 1,9a-dioxygenase;<br><b>PDBTitle:</b> terminal oxygenase of carbazole 1,9a-dioxygenase from novosphingobium2 sp. ka1  |
| 6  | <a href="#">c3vcA_</a>   |  |  | 100.0      | 17     | <b>PDB header:</b> oxidoreductase<br><b>Chain:</b> A: <b>PDB Molecule:</b> ring-hydroxylating dioxygenase;<br><b>PDBTitle:</b> quaternary ammonium oxidative demethylation: x-ray crystallographic,2 resonance raman and uv-visible spectroscopic analysis of a rieske-3 type demethylase  |
| 7  | <a href="#">c2de7B_</a>  |  |  | 100.0      | 19     | <b>PDB header:</b> oxidoreductase<br><b>Chain:</b> B: <b>PDB Molecule:</b> terminal oxygenase component of carbazole;<br><b>PDBTitle:</b> the substrate-bound complex between oxygenase and2 ferredoxin in carbazole 1,9a-dioxygenase  |
| 8  | <a href="#">c3n0qA_</a>  |  |  | 100.0      | 18     | <b>PDB header:</b> oxidoreductase<br><b>Chain:</b> A: <b>PDB Molecule:</b> putative aromatic-ring hydroxylating dioxygenase;<br><b>PDBTitle:</b> crystal structure of a putative aromatic-ring hydroxylating2 dioxygenase (tm1040_3219) from silicibacter sp. tm1040 at 1.80 a3 resolution |
| 9  | <a href="#">c3gcfC_</a>  |  |  | 100.0      | 17     | <b>PDB header:</b> oxidoreductase<br><b>Chain:</b> C: <b>PDB Molecule:</b> terminal oxygenase component of carbazole 1,9a-<br><b>PDBTitle:</b> terminal oxygenase of carbazole 1,9a-dioxygenase from2 nocardiooides aromaticivorans ic177  |
| 10 | <a href="#">c1z01D_</a>  |  |  | 100.0      | 15     | <b>PDB header:</b> oxidoreductase<br><b>Chain:</b> D: <b>PDB Molecule:</b> 2-oxo-1,2-dihydroquinoline 8-monooxygenase, oxygenase<br><b>PDBTitle:</b> 2-oxoquinoline 8-monooxygenase component: active site modulation by2 rieske-[2fe-2s] center oxidation/reduction                       |
| 11 | <a href="#">c1uljA_</a>  |  |  | 100.0      | 15     | <b>PDB header:</b> oxidoreductase<br><b>Chain:</b> A: <b>PDB Molecule:</b> biphenyl dioxygenase large subunit;<br><b>PDBTitle:</b> biphenyl dioxygenase (bpha1a2) in complex with the substrate  |

|    |                         |           |   |       |    |   |
|----|-------------------------|-----------|---|-------|----|---|
| 12 | <a href="#">c1wqlA</a>  | Alignment |     | 100.0 | 16 | <b>PDB header:</b> oxidoreductase<br><b>Chain:</b> A: <b>PDB Molecule:</b> iron-sulfur protein large subunit of cumene dioxygenase;<br><b>PDBTitle:</b> cumene dioxygenase (cumal1a2) from pseudomonas fluorescens ip01   |
| 13 | <a href="#">c2b1xE</a>  | Alignment |    | 100.0 | 15 | <b>PDB header:</b> oxidoreductase<br><b>Chain:</b> E: <b>PDB Molecule:</b> naphthalene dioxygenase large subunit;<br><b>PDBTitle:</b> crystal structure of naphthalene 1,2-dioxygenase from rhodococcus sp.   |
| 14 | <a href="#">c2hmnA</a>  | Alignment |    | 100.0 | 18 | <b>PDB header:</b> oxidoreductase<br><b>Chain:</b> A: <b>PDB Molecule:</b> naphthalene 1,2-dioxygenase alpha subunit;<br><b>PDBTitle:</b> crystal structure of the naphthalene 1,2-dioxygenase f352v2 mutant bound to anthracene.                                     |
| 15 | <a href="#">c2gbxE</a>  | Alignment |    | 100.0 | 16 | <b>PDB header:</b> oxidoreductase<br><b>Chain:</b> E: <b>PDB Molecule:</b> biphenyl 2,3-dioxygenase alpha subunit;<br><b>PDBTitle:</b> crystal structure of biphenyl 2,3-dioxygenase from sphingomonas2 yanoikuyaе b1 bound to biphenyl                               |
| 16 | <a href="#">d1wqla1</a> | Alignment |    | 100.0 | 23 | <b>Fold:</b> ISP domain<br><b>Superfamily:</b> ISP domain<br><b>Family:</b> Ring hydroxylating alpha subunit ISP domain   |
| 17 | <a href="#">d1ulia1</a> | Alignment |    | 100.0 | 18 | <b>Fold:</b> ISP domain<br><b>Superfamily:</b> ISP domain<br><b>Family:</b> Ring hydroxylating alpha subunit ISP domain   |
| 18 | <a href="#">d1z01a1</a> | Alignment |  | 100.0 | 17 | <b>Fold:</b> ISP domain<br><b>Superfamily:</b> ISP domain<br><b>Family:</b> Ring hydroxylating alpha subunit ISP domain   |
| 19 | <a href="#">d2b1xa1</a> | Alignment |  | 100.0 | 19 | <b>Fold:</b> ISP domain<br><b>Superfamily:</b> ISP domain<br><b>Family:</b> Ring hydroxylating alpha subunit ISP domain   |
| 20 | <a href="#">d2de6a1</a> | Alignment |  | 100.0 | 18 | <b>Fold:</b> ISP domain<br><b>Superfamily:</b> ISP domain<br><b>Family:</b> Ring hydroxylating alpha subunit ISP domain   |
| 21 | <a href="#">d1o7na1</a> | Alignment | not modelled  | 100.0 | 21 | <b>Fold:</b> ISP domain<br><b>Superfamily:</b> ISP domain<br><b>Family:</b> Ring hydroxylating alpha subunit ISP domain   |
| 22 | <a href="#">d2bmoa1</a> | Alignment | not modelled  | 100.0 | 20 | <b>Fold:</b> ISP domain<br><b>Superfamily:</b> ISP domain<br><b>Family:</b> Ring hydroxylating alpha subunit ISP domain   |
| 23 | <a href="#">c3d89A</a>  | Alignment | not modelled  | 99.9  | 20 | <b>PDB header:</b> electron transport<br><b>Chain:</b> A: <b>PDB Molecule:</b> rieske domain-containing protein;<br><b>PDBTitle:</b> crystal structure of a soluble rieske ferredoxin from mus musculus   |
| 24 | <a href="#">c2de7E</a>  | Alignment | not modelled  | 99.9  | 24 | <b>PDB header:</b> oxidoreductase<br><b>Chain:</b> E: <b>PDB Molecule:</b> ferredoxin component of carbazole;<br><b>PDBTitle:</b> the substrate-bound complex between oxygenase and2 ferredoxin in carbazole 1,9a-dioxygenase   |
| 25 | <a href="#">c3dqyA</a>  | Alignment | not modelled  | 99.9  | 22 | <b>PDB header:</b> oxidoreductase<br><b>Chain:</b> A: <b>PDB Molecule:</b> toluene 1,2-dioxygenase system ferredoxin<br><b>PDBTitle:</b> crystal structure of toluene 2,3-dioxygenase ferredoxin  |
| 26 | <a href="#">d1fqta</a>  | Alignment | not modelled  | 99.9  | 23 | <b>Fold:</b> ISP domain<br><b>Superfamily:</b> ISP domain<br><b>Family:</b> Rieske iron-sulfur protein (ISP)  |
| 27 | <a href="#">c4aiavA</a> | Alignment | not modelled  | 99.9  | 21 | <b>PDB header:</b> oxidoreductase<br><b>Chain:</b> A: <b>PDB Molecule:</b> probable nitrite reductase [nad(p)h] small subunit nird;<br><b>PDBTitle:</b> crystal structure of putative nadh-dependent nitrite reductase small2 subunit from mycobacterium tuberculosis |
| 28 | <a href="#">d1vm9a</a>  | Alignment | not modelled  | 99.9  | 21 | <b>Fold:</b> ISP domain<br><b>Superfamily:</b> ISP domain<br><b>Family:</b> Rieske iron-sulfur protein (ISP)  |
|    |                         |           |   |       |    | <b>Fold:</b> ISP domain   |

|    |                         |           |              |      |    |  |
|----|-------------------------|-----------|--------------|------|----|--|
| 29 | <a href="#">d2jzaa1</a> | Alignment | not modelled | 99.9 | 19 | <b>Superfamily:</b> ISP domain<br><b>Family:</b> NirD-like   |
| 30 | <a href="#">d3c0da1</a> | Alignment | not modelled | 99.9 | 14 | <b>Fold:</b> ISP domain<br><b>Superfamily:</b> ISP domain<br><b>Family:</b> NirD-like  |
| 31 | <a href="#">c3gceA_</a> | Alignment | not modelled | 99.8 | 18 | <b>PDB header:</b> oxidoreductase<br><b>Chain:</b> A: <b>PDB Molecule:</b> ferredoxin component of carbazole 1,9a-<br><b>PDBTitle:</b> ferredoxin of carbazole 1,9a-dioxygenase from nocardiooides aromaticivorans ic177                                     |
| 32 | <a href="#">d2jo6a1</a> | Alignment | not modelled | 99.8 | 16 | <b>Fold:</b> ISP domain<br><b>Superfamily:</b> ISP domain<br><b>Family:</b> NirD-like  |
| 33 | <a href="#">c2i7fb_</a> | Alignment | not modelled | 99.8 | 21 | <b>PDB header:</b> oxidoreductase<br><b>Chain:</b> B: <b>PDB Molecule:</b> ferredoxin component of dioxygenase;<br><b>PDBTitle:</b> sphingomonas yanoikuyaе b1 ferredoxin  |
| 34 | <a href="#">c2qpzA_</a> | Alignment | not modelled | 99.8 | 24 | <b>PDB header:</b> metal binding protein<br><b>Chain:</b> A: <b>PDB Molecule:</b> naphthalene 1,2-dioxygenase system ferredoxin<br><b>PDBTitle:</b> naphthalene 1,2-dioxygenase rieske ferredoxin  |
| 35 | <a href="#">c5cxmC_</a> | Alignment | not modelled | 99.8 | 18 | <b>PDB header:</b> metal binding protein<br><b>Chain:</b> C: <b>PDB Molecule:</b> cytochrome b6/f complex iron-sulfur subunit;<br><b>PDBTitle:</b> crystal structure of the cyanobacterial plasma membrane rieske protein2 petc3 from synechocystis pcc 6803 |
| 36 | <a href="#">d1rfsa_</a> | Alignment | not modelled | 99.6 | 16 | <b>Fold:</b> ISP domain<br><b>Superfamily:</b> ISP domain<br><b>Family:</b> Rieske iron-sulfur protein (ISP)   |
| 37 | <a href="#">d1q90c_</a> | Alignment | not modelled | 99.6 | 17 | <b>Fold:</b> ISP domain<br><b>Superfamily:</b> ISP domain<br><b>Family:</b> Rieske iron-sulfur protein (ISP)   |
| 38 | <a href="#">d3cx5e1</a> | Alignment | not modelled | 99.6 | 20 | <b>Fold:</b> ISP domain<br><b>Superfamily:</b> ISP domain<br><b>Family:</b> Rieske iron-sulfur protein (ISP)   |
| 39 | <a href="#">c4ayyH_</a> | Alignment | not modelled | 99.5 | 22 | <b>PDB header:</b> oxidoreductase<br><b>Chain:</b> H: <b>PDB Molecule:</b> arob;<br><b>PDBTitle:</b> crystal structure of the arsenite oxidase protein complex2 from rhizobium species strain nt-26  |
| 40 | <a href="#">d1g8kb_</a> | Alignment | not modelled | 99.5 | 19 | <b>Fold:</b> ISP domain<br><b>Superfamily:</b> ISP domain<br><b>Family:</b> Rieske iron-sulfur protein (ISP)   |
| 41 | <a href="#">d1riea_</a> | Alignment | not modelled | 99.5 | 26 | <b>Fold:</b> ISP domain<br><b>Superfamily:</b> ISP domain<br><b>Family:</b> Rieske iron-sulfur protein (ISP)   |
| 42 | <a href="#">d2e74d1</a> | Alignment | not modelled | 99.4 | 15 | <b>Fold:</b> ISP domain<br><b>Superfamily:</b> ISP domain<br><b>Family:</b> Rieske iron-sulfur protein (ISP)   |
| 43 | <a href="#">c2nvgA_</a> | Alignment | not modelled | 99.3 | 25 | <b>PDB header:</b> oxidoreductase<br><b>Chain:</b> A: <b>PDB Molecule:</b> ubiquinol-cytochrome c reductase iron-sulfur subunit;<br><b>PDBTitle:</b> soluble domain of rieske iron sulfur protein.   |
| 44 | <a href="#">d1nyka_</a> | Alignment | not modelled | 99.2 | 24 | <b>Fold:</b> ISP domain<br><b>Superfamily:</b> ISP domain<br><b>Family:</b> Rieske iron-sulfur protein (ISP)   |
| 45 | <a href="#">c2e76D_</a> | Alignment | not modelled | 99.1 | 15 | <b>PDB header:</b> photosynthesis<br><b>Chain:</b> D: <b>PDB Molecule:</b> cytochrome b6-f complex iron-sulfur subunit;<br><b>PDBTitle:</b> crystal structure of the cytochrome b6f complex with tridecyl-2 stigmatellin (tds) from m.laminosus              |
| 46 | <a href="#">c2fyuE_</a> | Alignment | not modelled | 98.9 | 21 | <b>PDB header:</b> oxidoreductase<br><b>Chain:</b> E: <b>PDB Molecule:</b> ubiquinol-cytochrome c reductase iron-sulfur subunit,<br><b>PDBTitle:</b> crystal structure of bovine heart mitochondrial bc1 with jg1442 inhibitor                               |
| 47 | <a href="#">c2fynO_</a> | Alignment | not modelled | 98.9 | 22 | <b>PDB header:</b> oxidoreductase<br><b>Chain:</b> O: <b>PDB Molecule:</b> ubiquinol-cytochrome c reductase iron-sulfur<br><b>PDBTitle:</b> crystal structure analysis of the double mutant rhodobacter sphaeroides bc1 complex                              |
| 48 | <a href="#">c1p84E_</a> | Alignment | not modelled | 98.8 | 17 | <b>PDB header:</b> oxidoreductase<br><b>Chain:</b> E: <b>PDB Molecule:</b> ubiquinol-cytochrome c reductase iron-sulfur subunit;<br><b>PDBTitle:</b> hdbt inhibited yeast cytochrome bc1 complex   |
| 49 | <a href="#">d1z01a2</a> | Alignment | not modelled | 98.7 | 11 | <b>Fold:</b> TBP-like<br><b>Superfamily:</b> Bet v1-like<br><b>Family:</b> Ring hydroxylating alpha subunit catalytic domain   |
| 50 | <a href="#">d2b1xa2</a> | Alignment | not modelled | 98.5 | 11 | <b>Fold:</b> TBP-like<br><b>Superfamily:</b> Bet v1-like<br><b>Family:</b> Ring hydroxylating alpha subunit catalytic domain   |
| 51 | <a href="#">d2bm0a2</a> | Alignment | not modelled | 98.4 | 16 | <b>Fold:</b> TBP-like<br><b>Superfamily:</b> Bet v1-like<br><b>Family:</b> Ring hydroxylating alpha subunit catalytic domain   |
| 52 | <a href="#">d1wqla2</a> | Alignment | not modelled | 98.3 | 14 | <b>Fold:</b> TBP-like<br><b>Superfamily:</b> Bet v1-like<br><b>Family:</b> Ring hydroxylating alpha subunit catalytic domain   |
| 53 | <a href="#">d1ulia2</a> | Alignment | not modelled | 98.3 | 16 | <b>Fold:</b> TBP-like<br><b>Superfamily:</b> Bet v1-like<br><b>Family:</b> Ring hydroxylating alpha subunit catalytic domain   |
| 54 | <a href="#">d1o7na2</a> | Alignment | not modelled | 98.2 | 17 | <b>Fold:</b> TBP-like<br><b>Superfamily:</b> Bet v1-like<br><b>Family:</b> Ring hydroxylating alpha subunit catalytic domain   |
|    |                         |           |              |      |    | <b>PDB header:</b> electron transport  |

|    |                         |  |           |              |      |    |  |
|----|-------------------------|--|-----------|--------------|------|----|--|
| 55 | <a href="#">c6whhB</a>  |  | Alignment | not modelled | 97.9 | 23 | <b>Chain:</b> B; <b>PDB Molecule:</b> ubiquinol-cytochrome c reductase iron-sulfur subunit;<br><b>PDBTitle:</b> structure of a functional obligate respiratory supercomplex from2 mycobacterium smegmatis  |
| 56 | <a href="#">d1jm1a</a>  |  | Alignment | not modelled | 97.7 | 29 | <b>Fold:</b> ISP domain<br><b>Superfamily:</b> ISP domain<br><b>Family:</b> Rieske iron-sulfur protein (ISP)   |
| 57 | <a href="#">d2de6a2</a> |  | Alignment | not modelled | 97.5 | 18 | <b>Fold:</b> TBP-like<br><b>Superfamily:</b> Bet v1-like<br><b>Family:</b> Ring hydroxylating alpha subunit catalytic domain   |
| 58 | <a href="#">c6fo2R</a>  |  | Alignment | not modelled | 96.4 | 22 | <b>PDB header:</b> membrane protein<br><b>Chain:</b> R; <b>PDB Molecule:</b> cytochrome b-c1 complex subunit rieske, mitochondrial;<br><b>PDBTitle:</b> cryoem structure of bovine cytochrome bc1 with no ligand bound   |
| 59 | <a href="#">c5xyil</a>  |  | Alignment | not modelled | 64.1 | 19 | <b>PDB header:</b> ribosome<br><b>Chain:</b> I; <b>PDB Molecule:</b> 40s ribosomal protein s8;<br><b>PDBTitle:</b> small subunit of trichomonas vaginalis ribosome   |
| 60 | <a href="#">c2ba1B</a>  |  | Alignment | not modelled | 50.2 | 17 | <b>PDB header:</b> rna binding protein<br><b>Chain:</b> B; <b>PDB Molecule:</b> archaeal exosome rna binding protein csl4;<br><b>PDBTitle:</b> archaeal exosome core   |
| 61 | <a href="#">c5xxul</a>  |  | Alignment | not modelled | 39.4 | 18 | <b>PDB header:</b> ribosome<br><b>Chain:</b> I; <b>PDB Molecule:</b> ribosomal protein es8;<br><b>PDBTitle:</b> small subunit of toxoplasma gondii ribosome  |
| 62 | <a href="#">c6oawA</a>  |  | Alignment | not modelled | 37.8 | 20 | <b>PDB header:</b> immune system<br><b>Chain:</b> A; <b>PDB Molecule:</b> wyl1;<br><b>PDBTitle:</b> crystal structure of a crisper cas-related protein   |
| 63 | <a href="#">c1dvaX</a>  |  | Alignment | not modelled | 36.3 | 83 | <b>PDB header:</b> hydrolase/hydrolase inhibitor<br><b>Chain:</b> X; <b>PDB Molecule:</b> peptide e-76;<br><b>PDBTitle:</b> crystal structure of the complex between the peptide exosite inhibitor2 e-76 and coagulation factor via  |
| 64 | <a href="#">c1dvaY</a>  |  | Alignment | not modelled | 36.3 | 83 | <b>PDB header:</b> hydrolase/hydrolase inhibitor<br><b>Chain:</b> Y; <b>PDB Molecule:</b> peptide e-76;<br><b>PDBTitle:</b> crystal structure of the complex between the peptide exosite inhibitor2 e-76 and coagulation factor via  |
| 65 | <a href="#">c3ky7A</a>  |  | Alignment | not modelled | 33.7 | 16 | <b>PDB header:</b> transferase<br><b>Chain:</b> A; <b>PDB Molecule:</b> tRNA (guanine-n(1)-)methyltransferase;<br><b>PDBTitle:</b> 2.35 angstrom resolution crystal structure of a putative tRNA2 (guanine-7-)methyltransferase (TrMD) from staphylococcus aureus3 subsp. aureus mrsa252     |
| 66 | <a href="#">c3j3al</a>  |  | Alignment | not modelled | 30.5 | 24 | <b>PDB header:</b> ribosome<br><b>Chain:</b> I; <b>PDB Molecule:</b> 40s ribosomal protein s8;<br><b>PDBTitle:</b> structure of the human 40s ribosomal proteins   |
| 67 | <a href="#">c2z0rA</a>  |  | Alignment | not modelled | 29.5 | 26 | <b>PDB header:</b> structural genomics, unknown function<br><b>Chain:</b> A; <b>PDB Molecule:</b> putative uncharacterized protein ttha0547;<br><b>PDBTitle:</b> crystal structure of hypothetical protein ttha0547  |
| 68 | <a href="#">d1p9pa</a>  |  | Alignment | not modelled | 26.3 | 17 | <b>Fold:</b> alpha/beta knot<br><b>Superfamily:</b> alpha/beta knot<br><b>Family:</b> tRNA(m1G37)-methyltransferase TrmD   |
| 69 | <a href="#">c3k2tA</a>  |  | Alignment | not modelled | 25.5 | 14 | <b>PDB header:</b> structural genomics, unknown function<br><b>Chain:</b> A; <b>PDB Molecule:</b> lmo2511 protein;<br><b>PDBTitle:</b> crystal structure of lmo2511 protein from listeria2 monocytogenes, northeast structural genomics consortium3 target lkr84a                            |
| 70 | <a href="#">c2kppA</a>  |  | Alignment | not modelled | 25.0 | 12 | <b>PDB header:</b> structural genomics, unknown function<br><b>Chain:</b> A; <b>PDB Molecule:</b> lin0431 protein;<br><b>PDBTitle:</b> solution nmr structure of lin0431 protein from listeria innocua.2 northeast structural genomics consortium target lkr112                              |
| 71 | <a href="#">c2xzr2</a>  |  | Alignment | not modelled | 24.7 | 21 | <b>PDB header:</b> ribosome<br><b>Chain:</b> 2; <b>PDB Molecule:</b> 40s ribosomal protein s8;<br><b>PDBTitle:</b> crystal structure of the eukaryotic 40s ribosomal2 subunit in complex with initiation factor 1. this file3 contains the 40s subunit and initiation factor for4 molecule 2 |
| 72 | <a href="#">c5x2dA</a>  |  | Alignment | not modelled | 23.4 | 11 | <b>PDB header:</b> cell adhesion<br><b>Chain:</b> A; <b>PDB Molecule:</b> tegumental protein 20.8 kda;<br><b>PDBTitle:</b> crystal structure of dlc like domain of cstal3 (83-177aa)   |
| 73 | <a href="#">d1w44a</a>  |  | Alignment | not modelled | 22.7 | 13 | <b>Fold:</b> P-loop containing nucleoside triphosphate hydrolases<br><b>Superfamily:</b> P-loop containing nucleoside triphosphate hydrolases<br><b>Family:</b> RecA protein-like (ATPase-domain)  |
| 74 | <a href="#">c3j20R</a>  |  | Alignment | not modelled | 22.6 | 60 | <b>PDB header:</b> ribosome<br><b>Chain:</b> R; <b>PDB Molecule:</b> 30s ribosomal protein s17p;<br><b>PDBTitle:</b> promiscuous behavior of proteins in archaeal ribosomes revealed by2 cryo-em: implications for evolution of eukaryotic ribosomes (30S ribosomal subunit)                 |
| 75 | <a href="#">c3j38I</a>  |  | Alignment | not modelled | 22.0 | 24 | <b>PDB header:</b> ribosome<br><b>Chain:</b> I; <b>PDB Molecule:</b> 40s ribosomal protein s8;<br><b>PDBTitle:</b> structure of the d. melanogaster 40s ribosomal proteins   |
| 76 | <a href="#">c1ph4A</a>  |  | Alignment | not modelled | 21.8 | 18 | <b>PDB header:</b> dna binding protein/dna<br><b>Chain:</b> A; <b>PDB Molecule:</b> telomere-binding protein alpha subunit;<br><b>PDBTitle:</b> crystal structure of the oxytricha nova telomere end-binding protein2 complexed with noncognate ssDNA ggggtttggcg                            |
| 77 | <a href="#">c1jb7A</a>  |  | Alignment | not modelled | 21.8 | 18 | <b>PDB header:</b> dna-binding protein/dna<br><b>Chain:</b> A; <b>PDB Molecule:</b> telomere-binding protein alpha subunit;<br><b>PDBTitle:</b> dna g-quartets in a 1.86 a resolution structure of an oxytricha nova2 telomeric protein-dna complex  |
| 78 | <a href="#">c4b6aR</a>  |  | Alignment | not modelled | 21.7 | 8  | <b>PDB header:</b> ribosome<br><b>Chain:</b> R; <b>PDB Molecule:</b> 60s ribosomal protein l19-b;<br><b>PDBTitle:</b> cryo-em structure of the 60s ribosomal subunit in complex2 with arx1 and rei1  |
| 79 | <a href="#">c4ifdl</a>  |  | Alignment | not modelled | 21.0 | 16 | <b>PDB header:</b> hydrolase/rna<br><b>Chain:</b> I; <b>PDB Molecule:</b> exosome complex component csl4;<br><b>PDBTitle:</b> crystal structure of an 11-subunit eukaryotic exosome complex bound to2 rna  |
|    |                         |  |           |              |      |    | <b>PDB header:</b> ribosome  |

|    |                         |           |              |      |    |  |
|----|-------------------------|-----------|--------------|------|----|--|
| 80 | <a href="#">c3zbP_</a>  | Alignment | not modelled | 20.5 | 60 | <b>Chain:</b> P: <b>PDB Molecule:</b> 40s ribosomal protein rps11 (s17p);<br><b>PDBTitle:</b> localization of the small subunit ribosomal proteins into a 6.1 a2 cryo-em map of saccharomyces cerevisiae translating 80s ribosome  |
| 81 | <a href="#">c2w3nA_</a> | Alignment | not modelled | 20.2 | 13 | <b>PDB header:</b> lyase<br><b>Chain:</b> A: <b>PDB Molecule:</b> carbonic anhydrase 2;<br><b>PDBTitle:</b> structure and inhibition of the co2-sensing carbonic anhydrase can22 from the pathogenic fungus cryptococcus neoformans  |
| 82 | <a href="#">c3iz6P_</a> | Alignment | not modelled | 20.1 | 60 | <b>PDB header:</b> ribosome<br><b>Chain:</b> P: <b>PDB Molecule:</b> 40s ribosomal protein s11 (s17p);<br><b>PDBTitle:</b> localization of the small subunit ribosomal proteins into a 5.5 a2 cryo-em map of triticum aestivum translating 80s ribosome  |
| 83 | <a href="#">d2ivxa2</a> | Alignment | not modelled | 19.7 | 20 | <b>Fold:</b> Cyclin-like<br><b>Superfamily:</b> Cyclin-like<br><b>Family:</b> Cyclin   |
| 84 | <a href="#">c4nooA_</a> | Alignment | not modelled | 19.6 | 17 | <b>PDB header:</b> immune system<br><b>Chain:</b> A: <b>PDB Molecule:</b> vgrg protein;<br><b>PDBTitle:</b> molecular mechanism for self-protection against type vi secretion2 system in vibrio cholerae   |
| 85 | <a href="#">c6bo0A_</a> | Alignment | not modelled | 18.8 | 0  | <b>PDB header:</b> oxidoreductase<br><b>Chain:</b> A: <b>PDB Molecule:</b> mdba protein;<br><b>PDBTitle:</b> mdba protein, a thiol-disulfide oxidoreductase from corynebacterium2 matruchotii  |
| 86 | <a href="#">c6gcsM_</a> | Alignment | not modelled | 18.7 | 25 | <b>PDB header:</b> oxidoreductase<br><b>Chain:</b> M: <b>PDB Molecule:</b> numm subunit;<br><b>PDBTitle:</b> cryo-em structure of respiratory complex i from yarrowia lipolytica   |
| 87 | <a href="#">c3j3aL_</a> | Alignment | not modelled | 18.3 | 60 | <b>PDB header:</b> ribosome<br><b>Chain:</b> L: <b>PDB Molecule:</b> 40s ribosomal protein s11;<br><b>PDBTitle:</b> structure of the human 40s ribosomal proteins  |
| 88 | <a href="#">c3u5gL_</a> | Alignment | not modelled | 18.1 | 60 | <b>PDB header:</b> ribosome<br><b>Chain:</b> L: <b>PDB Molecule:</b> 40s ribosomal protein s11-a;<br><b>PDBTitle:</b> the structure of the eukaryotic ribosome at 3.0 a resolution. this2 entry contains proteins of the 40s subunit, ribosome b   |
| 89 | <a href="#">c3b99B_</a> | Alignment | not modelled | 18.0 | 28 | <b>PDB header:</b> isomerase<br><b>Chain:</b> B: <b>PDB Molecule:</b> prostaglandin i2 synthase;<br><b>PDBTitle:</b> crystal structure of zebrafish prostacyclin synthase (cytochrome p4502 8a1) in complex with substrate analog u51605   |
| 90 | <a href="#">c1dfcB_</a> | Alignment | not modelled | 17.8 | 13 | <b>PDB header:</b> structural protein<br><b>Chain:</b> B: <b>PDB Molecule:</b> fascin;<br><b>PDBTitle:</b> crystal structure of human fascin, an actin-crosslinking protein  |
| 91 | <a href="#">c3zeyE_</a> | Alignment | not modelled | 17.5 | 60 | <b>PDB header:</b> ribosome<br><b>Chain:</b> E: <b>PDB Molecule:</b> 40s ribosomal proteins s11, putative;<br><b>PDBTitle:</b> high-resolution cryo-electron microscopy structure of the trypanosoma2 brucei ribosome  |
| 92 | <a href="#">c2c3yA_</a> | Alignment | not modelled | 17.5 | 27 | <b>PDB header:</b> oxidoreductase<br><b>Chain:</b> A: <b>PDB Molecule:</b> pyruvate-ferredoxin oxidoreductase;<br><b>PDBTitle:</b> crystal structure of the radical form of2 pyruvate:ferredoxin oxidoreductase from desulfovibrio3 africanus  |
| 93 | <a href="#">c5xyiL_</a> | Alignment | not modelled | 17.4 | 60 | <b>PDB header:</b> ribosome<br><b>Chain:</b> L: <b>PDB Molecule:</b> uncharacterized protein;<br><b>PDBTitle:</b> small subunit of trichomonas vaginalis ribosome  |
| 94 | <a href="#">c3zf7T_</a> | Alignment | not modelled | 17.4 | 8  | <b>PDB header:</b> ribosome<br><b>Chain:</b> T: <b>PDB Molecule:</b> 60s ribosomal protein l19, putative;<br><b>PDBTitle:</b> high-resolution cryo-electron microscopy structure of the trypanosoma2 brucei ribosome   |
| 95 | <a href="#">c2xznQ_</a> | Alignment | not modelled | 17.3 | 60 | <b>PDB header:</b> ribosome<br><b>Chain:</b> Q: <b>PDB Molecule:</b> ribosomal protein s17 containing protein;<br><b>PDBTitle:</b> crystal structure of the eukaryotic 40s ribosomal2 subunit in complex with initiation factor 1. this file3 contains the 40s subunit and initiation factor4 molecule 2 |
| 96 | <a href="#">c4abol_</a> | Alignment | not modelled | 16.3 | 11 | <b>PDB header:</b> structural protein<br><b>Chain:</b> I: <b>PDB Molecule:</b> microtubule integrity protein mal3;<br><b>PDBTitle:</b> mal3 ch domain homology model and mammalian tubulin (2xrp) docked into the 8.6-angstrom cryo-em map of mal3-gtpgammas-microtubules                                |
| 97 | <a href="#">c3j39R_</a> | Alignment | not modelled | 15.9 | 9  | <b>PDB header:</b> ribosome<br><b>Chain:</b> R: <b>PDB Molecule:</b> 60s ribosomal protein l19;<br><b>PDBTitle:</b> structure of the d. melanogaster 60s ribosomal proteins  |
| 98 | <a href="#">d2c42a2</a> | Alignment | not modelled | 15.8 | 27 | <b>Fold:</b> Thiamin diphosphate-binding fold (THDP-binding)<br><b>Superfamily:</b> Thiamin diphosphate-binding fold (THDP-binding)<br><b>Family:</b> PFOR PP module   |
| 99 | <a href="#">c6b4iD_</a> | Alignment | not modelled | 15.4 | 19 | <b>PDB header:</b> transport protein<br><b>Chain:</b> D: <b>PDB Molecule:</b> nucleoporin like 2;<br><b>PDBTitle:</b> crystal structure of human gle1 ctd-nup42 gbm-ddx19b(adp) complex  |