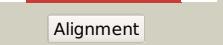
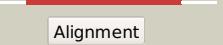
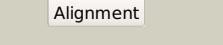
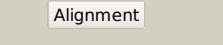
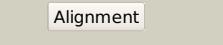
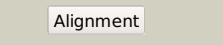
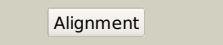
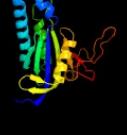
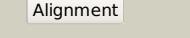
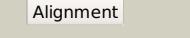
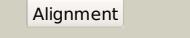
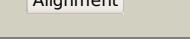
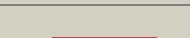
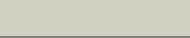
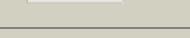


# Phyre<sup>2</sup>

|               |                                  |
|---------------|----------------------------------|
| Email         | mdejesus@rockefeller.edu         |
| Description   | RVBD1647 (-)<br>_1856781_1857731 |
| Date          | Fri Aug 2 13:30:24 BST<br>2019   |
| Unique Job ID | a7f3dd48b77b74e7                 |

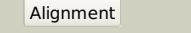
Detailed template information

| #  | Template                | Alignment Coverage  | 3D Model  | Confidence | % i.d. | Template Information   |
|----|-------------------------|---|---|------------|--------|--|
| 1  | <a href="#">c6fhtB_</a> |    |    | 100.0      | 27     | <b>PDB header:</b> lyase<br><b>Chain:</b> B; <b>PDB Molecule:</b> bacteriophytochrome,adenylate cyclase;<br><b>PDBTitle:</b> crystal structure of an artificial phytochrome regulated2 adenylate/guanylate cyclase in its dark adapted pr form |
| 2  | <a href="#">c1y10C_</a> |    |    | 100.0      | 25     | <b>PDB header:</b> lyase<br><b>Chain:</b> C; <b>PDB Molecule:</b> hypothetical protein rv1264/mt1302;<br><b>PDBTitle:</b> mycobacterial adenylyl cyclase rv1264, holoenzyme, inhibited state   |
| 3  | <a href="#">c4yusA_</a> |    |    | 100.0      | 19     | <b>PDB header:</b> lyase<br><b>Chain:</b> A; <b>PDB Molecule:</b> family 3 adenylate cyclase;<br><b>PDBTitle:</b> crystal structure of photoactivated adenylyl cyclase of a2 cyanobacteriaoscillatoria acuminata in hexagonal form             |
| 4  | <a href="#">c5nbyA_</a> |    |   | 100.0      | 18     | <b>PDB header:</b> lyase<br><b>Chain:</b> A; <b>PDB Molecule:</b> beta subunit of photoactivated adenylyl cyclase;<br><b>PDBTitle:</b> structure of a bacterial light-regulated adenylyl cyclase   |
| 5  | <a href="#">c6r4oA_</a> |  |  | 100.0      | 23     | <b>PDB header:</b> membrane protein<br><b>Chain:</b> A; <b>PDB Molecule:</b> adenylate cyclase 9;<br><b>PDBTitle:</b> structure of a truncated adenylyl cyclase bound to mantgtp, forskolin2 and an activated stimulatory galphas protein      |
| 6  | <a href="#">d1fx2a_</a> |  |  | 100.0      | 24     | <b>Fold:</b> Ferrodoxin-like<br><b>Superfamily:</b> Nucleotide cyclase<br><b>Family:</b> Adenylyl and guanylyl cyclase catalytic domain  |
| 7  | <a href="#">d1fx4a_</a> |  |  | 100.0      | 26     | <b>Fold:</b> Ferrodoxin-like<br><b>Superfamily:</b> Nucleotide cyclase<br><b>Family:</b> Adenylyl and guanylyl cyclase catalytic domain  |
| 8  | <a href="#">c6r4pA_</a> |  |  | 100.0      | 26     | <b>PDB header:</b> membrane protein<br><b>Chain:</b> A; <b>PDB Molecule:</b> adenylate cyclase 9;<br><b>PDBTitle:</b> structure of a soluble domain of adenylyl cyclase bound to an2 activated stimulatory g protein                           |
| 9  | <a href="#">c3mr7B_</a> |  |  | 100.0      | 24     | <b>PDB header:</b> hydrolase<br><b>Chain:</b> B; <b>PDB Molecule:</b> adenylate/guanylate cyclase/hydrolase, alpha/beta fold<br><b>PDBTitle:</b> crystal structure of adenylate/guanylate cyclase/hydrolase from2 silicibacter pomeroyi        |
| 10 | <a href="#">c1wc6B_</a> |  |  | 100.0      | 30     | <b>PDB header:</b> lyase<br><b>Chain:</b> B; <b>PDB Molecule:</b> adenylate cyclase;<br><b>PDBTitle:</b> soluble adenylyl cyclase cyac from s. platensis in complex2 with rp-atpalpha2s in presence of bicarbonate                             |
| 11 | <a href="#">c4clIA_</a> |  |  | 100.0      | 19     | <b>PDB header:</b> lyase<br><b>Chain:</b> A; <b>PDB Molecule:</b> adenylate cyclase type 10;<br><b>PDBTitle:</b> crystal structure of human soluble adenylyl cyclase in complex with2 bicarbonate  |

|    |                        |   |   |       |    |   |
|----|------------------------|---|---|-------|----|---|
| 12 | <a href="#">c3uvjC</a> |    |     | 100.0 | 21 | <b>PDB header:</b> lyase<br><b>Chain:</b> C; <b>PDB Molecule:</b> guanylate cyclase soluble subunit alpha-3;<br><b>PDBTitle:</b> crystal structure of the catalytic domain of the heterodimeric human2 soluble guanylate cyclase 1.   |
| 13 | <a href="#">c4wp3E</a> |    |    | 100.0 | 31 | <b>PDB header:</b> lyase<br><b>Chain:</b> E; <b>PDB Molecule:</b> ma1120;<br><b>PDBTitle:</b> crystal structure of adenylyl cyclase from mycobacterium avium ma11202 wild type  |
| 14 | <a href="#">d1wc1a</a> |    |    | 100.0 | 29 | <b>Fold:</b> ferredoxin-like<br><b>Superfamily:</b> Nucleotide cyclase<br><b>Family:</b> Adenylyl and guanylyl cyclase catalytic domain   |
| 15 | <a href="#">c5o5kC</a> |    |    | 100.0 | 20 | <b>PDB header:</b> membrane protein<br><b>Chain:</b> C; <b>PDB Molecule:</b> adenylate cyclase;<br><b>PDBTitle:</b> x-ray structure of a bacterial adenylyl cyclase soluble domain  |
| 16 | <a href="#">c1cjkA</a> |    |    | 100.0 | 20 | <b>PDB header:</b> lyase/lyase/signaling protein<br><b>Chain:</b> A; <b>PDB Molecule:</b> adenylate cyclase, type v;<br><b>PDBTitle:</b> complex of gs-alpha with the catalytic domains of mammalian adenylyl2 cyclase: complex with adenosine 5'-(alpha thio)-triphosphate (rp),3 mg, and mn                         |
| 17 | <a href="#">c1ybuA</a> |    |   | 100.0 | 29 | <b>PDB header:</b> hydrolase<br><b>Chain:</b> A; <b>PDB Molecule:</b> lipj;<br><b>PDBTitle:</b> mycobacterium tuberculosis adenylyl cyclase rv1900c chd, in complex2 with a substrate analog.   |
| 18 | <a href="#">d1azsa</a> |  |  | 100.0 | 20 | <b>Fold:</b> ferredoxin-like<br><b>Superfamily:</b> Nucleotide cyclase<br><b>Family:</b> Adenylyl and guanylyl cyclase catalytic domain   |
| 19 | <a href="#">c2w01C</a> |  |  | 100.0 | 26 | <b>PDB header:</b> lyase<br><b>Chain:</b> C; <b>PDB Molecule:</b> adenylate cyclase;<br><b>PDBTitle:</b> crystal structure of the guanylyl cyclase cya2   |
| 20 | <a href="#">c3r5gB</a> |  |  | 100.0 | 26 | <b>PDB header:</b> lyase<br><b>Chain:</b> B; <b>PDB Molecule:</b> cyab;<br><b>PDBTitle:</b> crystal structure of the adenylyl cyclase cyab from p. aeruginosa   |
| 21 | <a href="#">c2wz1B</a> |  | not modelled  | 100.0 | 21 | <b>PDB header:</b> lyase<br><b>Chain:</b> B; <b>PDB Molecule:</b> guanylate cyclase soluble subunit beta-1;<br><b>PDBTitle:</b> structure of the catalytic domain of human soluble guanylate cyclase 12 beta 3.   |
| 22 | <a href="#">d1azsb</a> |  | not modelled  | 100.0 | 19 | <b>Fold:</b> ferredoxin-like<br><b>Superfamily:</b> Nucleotide cyclase<br><b>Family:</b> Adenylyl and guanylyl cyclase catalytic domain   |
| 23 | <a href="#">c3et6A</a> |  | not modelled  | 100.0 | 22 | <b>PDB header:</b> lyase<br><b>Chain:</b> A; <b>PDB Molecule:</b> soluble guanylyl cyclase beta;<br><b>PDBTitle:</b> the crystal structure of the catalytic domain of a eukaryotic2 guanylyl cyclase  |
| 24 | <a href="#">c1yk9A</a> |  | not modelled  | 100.0 | 22 | <b>PDB header:</b> lyase<br><b>Chain:</b> A; <b>PDB Molecule:</b> adenylate cyclase;<br><b>PDBTitle:</b> crystal structure of a mutant form of the mycobacterial2 adenylyl cyclase rv1625c  |
| 25 | <a href="#">c6aoaA</a> |  | not modelled  | 100.0 | 26 | <b>PDB header:</b> lyase<br><b>Chain:</b> A; <b>PDB Molecule:</b> bacterio-rhodopsin/guanylyl cyclase 1 fusion protein;<br><b>PDBTitle:</b> monomeric crystal structure of the e497/c566d double mutant of the2 guanylyl cyclase domain of the rhgc fusion protein from the aquatic3 fungus blastocladiella emersonii |
| 26 | <a href="#">c1w25B</a> |  | not modelled  | 97.8  | 14 | <b>PDB header:</b> signaling protein<br><b>Chain:</b> B; <b>PDB Molecule:</b> stalked-cell differentiation controlling protein;<br><b>PDBTitle:</b> response regulator pled in complex with c-digmp   |
| 27 | <a href="#">c4zmuD</a> |  | not modelled  | 97.5  | 13 | <b>PDB header:</b> lyase<br><b>Chain:</b> D; <b>PDB Molecule:</b> diguanylate cyclase;<br><b>PDBTitle:</b> dcsbs, a diguanylate cyclase from pseudomonas aeruginosa   |
|    |                        |   |   |       |    | <b>PDB header:</b> transferase<br><b>Chain:</b> B; <b>PDB Molecule:</b> diguanylate cyclase (qqdef) domain-   |

|    |                         |           |              |      |    |   |
|----|-------------------------|-----------|--------------|------|----|---|
| 28 | <a href="#">c5lxB</a>   | Alignment | not modelled | 97.2 | 13 | containing protein;<br><b>PDB header:</b> signaling protein<br><b>Chain:</b> A: <b>PDB Molecule:</b> ggdef domain protein;<br><b>PDB Title:</b> crystal structure of multidomain protein of unknown function with2 ggdef-domain (np_951600.1) from geobacter sulfurreducens at 1.95 a3 resolution |
| 29 | <a href="#">c3ezuA</a>  | Alignment | not modelled | 97.1 | 18 | <b>PDB header:</b> signaling protein<br><b>Chain:</b> A: <b>PDB Molecule:</b> probable two-component response regulator;<br><b>PDB Title:</b> crystal structure of p.aeruginosa pa3702  |
| 30 | <a href="#">c3breA</a>  | Alignment | not modelled | 97.1 | 24 | <b>PDB header:</b> signaling protein<br><b>Chain:</b> A: <b>PDB Molecule:</b> response regulator/ggdef domain protein;<br><b>PDB Title:</b> crystal structure of full-length wpsr from pseudomonas syringae   |
| 31 | <a href="#">c3i5aA</a>  | Alignment | not modelled | 97.0 | 20 | <b>PDB header:</b> hydrolase<br><b>Chain:</b> A: <b>PDB Molecule:</b> fusion protein of endolysin,response receiver sensor<br><b>PDB Title:</b> t4-lysozyme fusion to geobacter ggdef   |
| 32 | <a href="#">c6d9mA</a>  | Alignment | not modelled | 97.0 | 13 | <b>PDB header:</b> hydrolase<br><b>Chain:</b> D: <b>PDB Molecule:</b> gtp cyclohydrolase iii;<br><b>PDB Title:</b> gtp cyclohydrolase iii from m. jannaschii (mj0145)2 complexed with gtp and metal ions  |
| 33 | <a href="#">c2qv6D</a>  | Alignment | not modelled | 97.0 | 17 | <b>PDB header:</b> signaling protein<br><b>Chain:</b> A: <b>PDB Molecule:</b> fusion of general control protein gcn4 and wspr response<br><b>PDB Title:</b> crystal structure of a fusion protein containing the leucine zipper of2 gcn4 and the ggdef domain of wspr from pseudomonas aeruginosa |
| 34 | <a href="#">c3i5cA</a>  | Alignment | not modelled | 96.7 | 19 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> diguanylate cyclase;<br><b>PDB Title:</b> crystal structure of the ggdef domain from marinobacter aquaolei2 diguanylate cyclase complexed with c-di-gmp - northeast structural genomics consortium target mqr89a          |
| 35 | <a href="#">c3ignA</a>  | Alignment | not modelled | 96.6 | 13 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> diguanylate cyclase/phosphodiesterase;<br><b>PDB Title:</b> x-ray structure of diguanylate cyclase/phosphodiesterase from2 caldicellulosiruptor saccharolyticus, northeast structural genomics3 consortium target clr27c  |
| 36 | <a href="#">c3mtkA</a>  | Alignment | not modelled | 96.2 | 12 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> uncharacterized protein;<br><b>PDB Title:</b> sadc (300-487) from pseudomonas aeruginosa pao1   |
| 37 | <a href="#">c4wxoA</a>  | Alignment | not modelled | 96.1 | 15 | <b>PDB header:</b> lyase<br><b>Chain:</b> A: <b>PDB Molecule:</b> diguanylate-cyclase (dgc);<br><b>PDB Title:</b> crystal structure of the ggdef domain of the pa2567 protein from2 pseudomonas aeruginosa, northeast structural genomics consortium3 target par365c                              |
| 38 | <a href="#">c3hwA</a>   | Alignment | not modelled | 95.7 | 12 | <b>PDB header:</b> membrane protein<br><b>Chain:</b> A: <b>PDB Molecule:</b> putative ggdef domain membrane protein;<br><b>PDB Title:</b> crystal structure of the c-di-gmp-bound ggdef domain of p. fluorescens2 gcbc  |
| 39 | <a href="#">c5euhA</a>  | Alignment | not modelled | 95.2 | 16 | <b>PDB header:</b> transferase<br><b>Chain:</b> A: <b>PDB Molecule:</b> protein fimx;<br><b>PDB Title:</b> crystal structure of fimx ggdef domain from pseudomonas aeruginosa   |
| 40 | <a href="#">c3hvaA</a>  | Alignment | not modelled | 94.9 | 18 | <b>PDB header:</b> transferase<br><b>Chain:</b> B: <b>PDB Molecule:</b> diguanylate cyclase ydeh;<br><b>PDB Title:</b> crystal structure of the diguanylate cyclase dgcz  |
| 41 | <a href="#">c4h54B</a>  | Alignment | not modelled | 94.8 | 17 | <b>PDB header:</b> transferase<br><b>Chain:</b> C: <b>PDB Molecule:</b> sensory box/ggdef family protein;<br><b>PDB Title:</b> structure of the active ggeef domain of a diguanylate cyclase from2 vibrio cholerae.   |
| 42 | <a href="#">c6eibC</a>  | Alignment | not modelled | 94.6 | 12 | <b>PDB header:</b> lyase<br><b>Chain:</b> A: <b>PDB Molecule:</b> sensory box/ggdef family protein;<br><b>PDB Title:</b> crystal structure of a sensory box/ggdef family protein (cc_0091) from2 caulobacter crescentus cb15 at 1.40 a resolution (psi community3 target, shapiro)                |
| 43 | <a href="#">c4ymeA</a>  | Alignment | not modelled | 94.0 | 17 | <b>PDB header:</b> signaling protein<br><b>Chain:</b> A: <b>PDB Molecule:</b> wspR response regulator;<br><b>PDB Title:</b> crystal structure of the isolated ggdef domain of wpsr from2 pseudomonas aeruginosa   |
| 44 | <a href="#">c3i5bA</a>  | Alignment | not modelled | 93.9 | 24 | <b>PDB header:</b> signaling protein<br><b>Chain:</b> B: <b>PDB Molecule:</b> diguanylate cyclase dosc;<br><b>PDB Title:</b> crystal structure of ggdef domain of the e. coli dosc - form iv  |
| 45 | <a href="#">c4zvhB</a>  | Alignment | not modelled | 93.7 | 15 | <b>PDB header:</b> structural genomics, unknown function<br><b>Chain:</b> A: <b>PDB Molecule:</b> seal/ggdef domain protein;<br><b>PDB Title:</b> x-ray structure of protein (eal/ggdef domain protein) from2 m. capsulatus, northeast structural genomics consortium target mcr174c              |
| 46 | <a href="#">c3icLA</a>  | Alignment | not modelled | 93.6 | 20 | <b>PDB header:</b> rna binding protein<br><b>Chain:</b> A: <b>PDB Molecule:</b> crispr system cmr subunit cmr2;<br><b>PDB Title:</b> structure of full length cmr2 from pyrococcus furiosus (manganese2 bound form)   |
| 47 | <a href="#">c4w8yA</a>  | Alignment | not modelled | 93.5 | 11 | <b>PDB header:</b> signaling protein<br><b>Chain:</b> A: <b>PDB Molecule:</b> peld;<br><b>PDB Title:</b> crystal structure of peld 158-ct from pseudomonas aeruginosa pao1, in2 complex with c-di-gmp, form 1   |
| 48 | <a href="#">c4euvA</a>  | Alignment | not modelled | 92.9 | 10 | <b>PDB header:</b> transferase<br><b>Chain:</b> B: <b>PDB Molecule:</b> diguanylate cyclase;<br><b>PDB Title:</b> ggdef domain of dcsbis complexed with c-di-gmp  |
| 49 | <a href="#">c4zmmB</a>  | Alignment | not modelled | 92.5 | 13 | <b>Fold:</b> Ferrodoxin-like<br><b>Superfamily:</b> Nucleotide cyclase<br><b>Family:</b> GGDEF domain   |
| 50 | <a href="#">d1w25a3</a> | Alignment | not modelled | 92.5 | 13 | <b>PDB header:</b> unknown function<br><b>Chain:</b> C: <b>PDB Molecule:</b> cmr2dhd;<br><b>PDB Title:</b> structure of the cmr2 subunit of the crispr rna silencing complex  |
| 51 | <a href="#">c3ungC</a>  | Alignment | not modelled | 92.3 | 14 | <b>PDB header:</b> lyase  |

|    |                         |           |              |      |    |  |
|----|-------------------------|-----------|--------------|------|----|--|
| 52 | <a href="#">c4iobA_</a> | Alignment | not modelled | 92.2 | 18 | <b>Chain: A: PDB Molecule:</b> diguanylate cyclase tpbb;<br><b>PDBTitle:</b> crystal structure of the ggdef domain of pa1120 (yfin or tpbb) from2 pseudomonas aeruginosa at 2.7 ang.   |
| 53 | <a href="#">c4urgB_</a> | Alignment | not modelled | 90.2 | 15 | <b>PDB header:</b> lyase<br><b>Chain: B: PDB Molecule:</b> diguanylate cyclase;<br><b>PDBTitle:</b> crystal structure of ggdef domain from t.maritima (active-like dimer)  |
| 54 | <a href="#">c3qyyB_</a> | Alignment | not modelled | 90.0 | 14 | <b>PDB header:</b> signaling protein/inhibitor<br><b>Chain: B: PDB Molecule:</b> response regulator;<br><b>PDBTitle:</b> a novel interaction mode between a microbial ggdef domain and the bis-2 (3, 5 )-cyclic di-gmp   |
| 55 | <a href="#">c5m3cB_</a> | Alignment | not modelled | 88.7 | 17 | <b>PDB header:</b> hydrolase<br><b>Chain: B: PDB Molecule:</b> diguanylate cyclase;<br><b>PDBTitle:</b> structure of the hybrid domain (ggdef-eal) of pa0575 from pseudomonas2 aeruginosa pa01 at 2.8 ang. with gtp and ca2+ bound to the active3 site of the ggdef domain |
| 56 | <a href="#">c4dmzB_</a> | Alignment | not modelled | 86.4 | 13 | <b>PDB header:</b> nucleotide-binding protein<br><b>Chain: B: PDB Molecule:</b> putative uncharacterized protein peld;<br><b>PDBTitle:</b> peld 156-455 from pseudomonas aeruginosa pa14, apo form   |
| 57 | <a href="#">c3tvkA_</a> | Alignment | not modelled | 82.7 | 16 | <b>PDB header:</b> transferase<br><b>Chain: A: PDB Molecule:</b> diguanylate cyclase dgcz;<br><b>PDBTitle:</b> diguanylate cyclase domain of dgcz  |
| 58 | <a href="#">c5xgdA_</a> | Alignment | not modelled | 78.4 | 20 | <b>PDB header:</b> transcription<br><b>Chain: A: PDB Molecule:</b> uncharacterized protein pa0861;<br><b>PDBTitle:</b> crystal structure of the pas-ggdef-eal domain of pa0861 from2 pseudomonas aeruginosa in complex with gtp  |
| 59 | <a href="#">c3pjwA_</a> | Alignment | not modelled | 69.1 | 15 | <b>PDB header:</b> lyase<br><b>Chain: A: PDB Molecule:</b> cyclic dimeric gmp binding protein;<br><b>PDBTitle:</b> structure of pseudomonas fluorescence lapd ggdef-eal dual domain, i23   |
| 60 | <a href="#">d1v6ta_</a> | Alignment | not modelled | 55.7 | 15 | <b>Fold:</b> 7-stranded beta/alpha barrel<br><b>Superfamily:</b> Glycoside hydrolase/deacetylase<br><b>Family:</b> LamB/YcsF-like  |
| 61 | <a href="#">c2x5eA_</a> | Alignment | not modelled | 51.4 | 20 | <b>PDB header:</b> unknown function<br><b>Chain: A: PDB Molecule:</b> upf0271 protein pa4511;<br><b>PDBTitle:</b> crystal structure of the hypothetical protein pa4511 from2 pseudomonas aeruginosa  |
| 62 | <a href="#">d2dfa1</a>  | Alignment | not modelled | 50.8 | 22 | <b>Fold:</b> 7-stranded beta/alpha barrel<br><b>Superfamily:</b> Glycoside hydrolase/deacetylase<br><b>Family:</b> LamB/YcsF-like  |
| 63 | <a href="#">c6ifnA_</a> | Alignment | not modelled | 48.8 | 8  | <b>PDB header:</b> rna binding protein<br><b>Chain: A: PDB Molecule:</b> type iii-a crisper-associated protein csm1;<br><b>PDBTitle:</b> crystal structure of type iii-a crisper csm complex   |
| 64 | <a href="#">c4rnhA_</a> | Alignment | not modelled | 30.8 | 18 | <b>PDB header:</b> transferase, hydrolase<br><b>Chain: A: PDB Molecule:</b> motility regulator;<br><b>PDBTitle:</b> pamora tandem diguanylate cyclase - phosphodiesterase, c-di-gmp2 complex   |
| 65 | <a href="#">c2y0fD_</a> | Alignment | not modelled | 26.4 | 25 | <b>PDB header:</b> oxidoreductase<br><b>Chain: D: PDB Molecule:</b> 4-hydroxy-3-methylbut-2-en-1-yl diphosphate synthase;<br><b>PDBTitle:</b> structure of gcpe (ispG) from thermus thermophilus hb27  |
| 66 | <a href="#">d2fiua1</a> | Alignment | not modelled | 24.3 | 12 | <b>Fold:</b> Ferredoxin-like<br><b>Superfamily:</b> Dimeric alpha+beta barrel<br><b>Family:</b> Atu0297-like   |
| 67 | <a href="#">d1veha_</a> | Alignment | not modelled | 23.3 | 13 | <b>Fold:</b> Alpha-lytic protease prodomain-like<br><b>Superfamily:</b> Fe-S cluster assembly (FSCA) domain-like<br><b>Family:</b> NifU C-terminal domain-like   |
| 68 | <a href="#">c3lo3E_</a> | Alignment | not modelled | 20.1 | 19 | <b>PDB header:</b> structure genomics, unknown function<br><b>Chain: E: PDB Molecule:</b> uncharacterized conserved protein;<br><b>PDBTitle:</b> the crystal structure of a conserved functionally unknown protein from2 colwellia psychrerythraea 34h.                    |
| 69 | <a href="#">c5buzC_</a> | Alignment | not modelled | 14.1 | 12 | <b>PDB header:</b> transport protein<br><b>Chain: C: PDB Molecule:</b> snap receptor-like protein;<br><b>PDBTitle:</b> crystal structure of a complex between the snare vam3 and the hops2 vps33-vps16 subcomplex from chaetomium thermophilum                             |
| 70 | <a href="#">c4lrvL_</a> | Alignment | not modelled | 10.6 | 55 | <b>PDB header:</b> dna binding protein<br><b>Chain: L: PDB Molecule:</b> dna sulfur modification protein dnde;<br><b>PDBTitle:</b> crystal structure of dnde from escherichia coli b7a involved in dna2 phosphorothioation modification                                    |
| 71 | <a href="#">c3a9qR_</a> | Alignment | not modelled | 9.8  | 18 | <b>PDB header:</b> oxidoreductase<br><b>Chain: R: PDB Molecule:</b><br><b>PDBTitle:</b> crystal structure analysis of e173a variant of the soybean2 ferritin sfer4   |
| 72 | <a href="#">c3bdkB_</a> | Alignment | not modelled | 9.8  | 12 | <b>PDB header:</b> lyase<br><b>Chain: B: PDB Molecule:</b> d-mannonate dehydratase;<br><b>PDBTitle:</b> crystal structure of streptococcus suis mannonate2 dehydratase complexed with substrate analogue   |
| 73 | <a href="#">c3dcaC_</a> | Alignment | not modelled | 9.7  | 14 | <b>PDB header:</b> structural genomics, unknown function<br><b>Chain: C: PDB Molecule:</b> rpa0582;<br><b>PDBTitle:</b> crystal structure of the rpa0582- protein of unknown2 function from rhodopseudomonas palustris- a structural3 genomics target                      |
| 74 | <a href="#">c2dgxA_</a> | Alignment | not modelled | 9.6  | 15 | <b>PDB header:</b> rna binding protein<br><b>Chain: A: PDB Molecule:</b> kiaa0430 protein;<br><b>PDBTitle:</b> solution structure of the rna recognition motif in kiaa04302 protein  |
| 75 | <a href="#">c6iqwA_</a> | Alignment | not modelled | 8.9  | 7  | <b>PDB header:</b> rna binding protein/rna<br><b>Chain: A: PDB Molecule:</b> csm1;<br><b>PDBTitle:</b> cryo-em structure of csm effector complex   |
| 76 | <a href="#">d1p42a1</a> | Alignment | not modelled | 7.8  | 50 | <b>Fold:</b> Ribosomal protein S5 domain 2-like<br><b>Superfamily:</b> Ribosomal protein S5 domain 2-like<br><b>Family:</b> UDP-3-O-[3-hydroxymyristoyl] N-acetylglucosamine deacetylase LpxC  |
| 77 | <a href="#">d1gmn1</a>  | Alignment | not modelled | 7.2  | 26 | <b>Fold:</b> Hairpin loop containing domain-like<br><b>Superfamily:</b> Hairpin loop containing domain-like<br><b>Family:</b> Hairpin loop containing domain   |

|    |                         |   |           |              |     |    |   |
|----|-------------------------|---|-----------|--------------|-----|----|---|
| 78 | <a href="#">c2diuA_</a> |   | Alignment | not modelled | 6.7 | 21 | <b>PDB header:</b> rna binding protein<br><b>Chain:</b> A; <b>PDB Molecule:</b> kiaa0430 protein;<br><b>PDBTitle:</b> solution structure of the rrm domain of kiaa0430 protein  |
| 79 | <a href="#">d1mbma_</a> |  | Alignment | not modelled | 6.6 | 57 | <b>Fold:</b> Trypsin-like serine proteases<br><b>Superfamily:</b> Trypsin-like serine proteases<br><b>Family:</b> Viral proteases   |
| 80 | <a href="#">d2al1a1</a> |  | Alignment | not modelled | 6.2 | 21 | <b>Fold:</b> TIM beta/alpha-barrel<br><b>Superfamily:</b> Enolase C-terminal domain-like<br><b>Family:</b> Enolase  |
| 81 | <a href="#">c6f0kD_</a> |  | Alignment | not modelled | 6.2 | 29 | <b>PDB header:</b> membrane protein<br><b>Chain:</b> D; <b>PDB Molecule:</b> actd;<br><b>PDBTitle:</b> alternative complex iii  |
| 82 | <a href="#">c3nzkB_</a> |  | Alignment | not modelled | 6.0 | 42 | <b>PDB header:</b> hydrolase<br><b>Chain:</b> B; <b>PDB Molecule:</b> udp-3-o-[3-hydroxymyristoyl] n-acetylglucosamine<br><b>PDBTitle:</b> structure of lpxc from yersinia enterocolitica complexed with chir0902 inhibitor |
| 83 | <a href="#">d1xhja_</a> |  | Alignment | not modelled | 5.9 | 14 | <b>Fold:</b> Alpha-lytic protease prodomain-like<br><b>Superfamily:</b> Fe-S cluster assembly (FSCA) domain-like<br><b>Family:</b> NifU C-terminal domain-like  |