# Phyre$^{2}$

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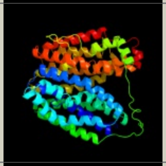
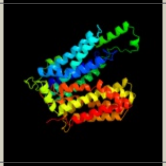
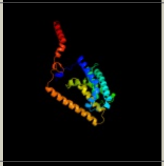
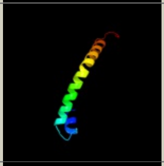
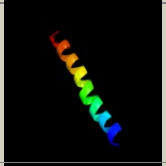
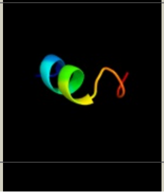
| Description | P08194 |
| Date | Thu Jan 5 11:00:52 GMT 2012 |
| Unique Job ID | 07f3afcdc368bb05 |

Detailed template information

| # | Template | Alignment Coverage | 3D Model | Confidence | % i.d. | Template Information |
|---|---|---|---|---|---|---|
| 1 | d1pw4a_ | Alignment |  | 100.0 | 97 | **Fold:**MFS general substrate transporter<br>**Superfamily:**MFS general substrate transporter<br>**Family:**Glycerol-3-phosphate transporter |
| 2 | d1pv7a_ | Alignment |  | 100.0 | 12 | **Fold:**MFS general substrate transporter<br>**Superfamily:**MFS general substrate transporter<br>**Family:**LacY-like proton/sugar symporter |
| 3 | c3o7pA_ | Alignment |  | 100.0 | 8 | **PDB header:**transport protein<br>**Chain:** A: **PDB Molecule:**l-fucose-proton symporter;<br>**PDBTitle:** crystal structure of the e.coli fucose:proton symporter, fucp (n162a) |
| 4 | c2gfpA_ | Alignment |  | 100.0 | 15 | **PDB header:**membrane protein<br>**Chain:** A: **PDB Molecule:**multidrug resistance protein d;<br>**PDBTitle:** structure of the multidrug transporter emrd from2 escherichia coli |
| 5 | c2xutC_ | Alignment |  | 100.0 | 12 | **PDB header:**transport protein<br>**Chain:** C: **PDB Molecule:**proton/peptide symporter family protein;<br>**PDBTitle:** crystal structure of a proton dependent oligopeptide (pot)2 family transporter. |
| 6 | c3b9yA_ | Alignment |  | 92.5 | 12 | **PDB header:**transport protein<br>**Chain:** A: **PDB Molecule:**ammonium transporter family rh-like protein;<br>**PDBTitle:** crystal structure of the nitrosomonas europaea rh protein |
| 7 | c3mkuA_ | Alignment |  | 44.4 | 9 | **PDB header:**transport protein<br>**Chain:** A: **PDB Molecule:**multi antimicrobial extrusion protein (na(+)/drug<br>**PDBTitle:** structure of a cation-bound multidrug and toxin compound extrusion2 (mate) transporter |
| 8 | c3qnqD_ | Alignment |  | 40.8 | 18 | **PDB header:**membrane protein, transport protein<br>**Chain:** D: **PDB Molecule:**pts system, cellobiose-specific iic component;<br>**PDBTitle:** crystal structure of the transporter chbc, the iic component from the2 n,n'-diacetylchitobiose-specific phosphotransferase system |
| 9 | c3hd6A_ | Alignment |  | 39.7 | 10 | **PDB header:**membrane protein, transport protein<br>**Chain:** A: **PDB Molecule:**ammonium transporter rh type c;<br>**PDBTitle:** crystal structure of the human rhesus glycoprotein rhcg |
| 10 | c2rddB_ | Alignment |  | 26.1 | 3 | **PDB header:**membrane protein/transport protein<br>**Chain:** B: **PDB Molecule:**upf0092 membrane protein yajc;<br>**PDBTitle:** x-ray crystal structure of acrb in complex with a novel2 transmembrane helix. |
| 11 | c2g9pA_ | Alignment |  | 9.1 | 7 | **PDB header:**antimicrobial protein<br>**Chain:** A: **PDB Molecule:**antimicrobial peptide latarcin 2a;<br>**PDBTitle:** nmr structure of a novel antimicrobial peptide, latarcin 2a,2 from spider (lachesana tarabaevi) venom |

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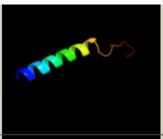
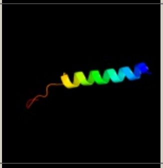
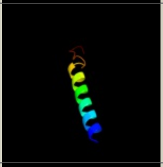
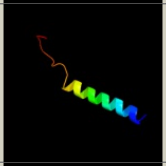
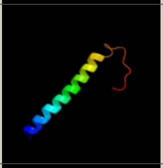
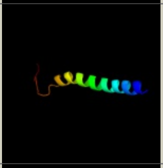
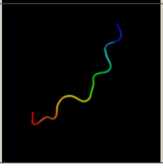
| 12 | c3prrT_ | Alignment |  | 5.8 | 16 | **PDB header:**photosynthesis<br>**Chain:** T: **PDB Molecule:**photosystem ii reaction center protein t;<br>**PDBTitle:** crystal structure of cyanobacterial photosystem ii in complex with2 terbutryn (part 2 of 2). this file contains second monomer of psii3 dimer |
| 13 | c3prqT_ | Alignment |  | 5.8 | 16 | **PDB header:**photosynthesis<br>**Chain:** T: **PDB Molecule:**photosystem ii reaction center protein t;<br>**PDBTitle:** crystal structure of cyanobacterial photosystem ii in complex with2 terbutryn (part 1 of 2). this file contains first monomer of psii3 dimer |
| 14 | c3bz1T_ | Alignment |  | 5.8 | 16 | **PDB header:**electron transport<br>**Chain:** T: **PDB Molecule:**photosystem ii reaction center protein t;<br>**PDBTitle:** crystal structure of cyanobacterial photosystem ii (part 12 of 2). this file contains first monomer of psii dimer |
| 15 | c3bz2T_ | Alignment |  | 5.8 | 16 | **PDB header:**electron transport<br>**Chain:** T: **PDB Molecule:**photosystem ii reaction center protein t;<br>**PDBTitle:** crystal structure of cyanobacterial photosystem ii (part 22 of 2). this file contains second monomer of psii dimer |
| 16 | d3dtub2 | Alignment |  | 5.7 | 7 | **Fold:**Transmembrane helix hairpin<br>**Superfamily:**Cytochrome c oxidase subunit II-like, transmembrane region<br>**Family:**Cytochrome c oxidase subunit II-like, transmembrane region |
| 17 | c2kncA_ | Alignment |  | 5.4 | 23 | **PDB header:**cell adhesion<br>**Chain:** A: **PDB Molecule:**integrin alpha-iib;<br>**PDBTitle:** platelet integrin alfaiib-beta3 transmembrane-cytoplasmic2 heterocomplex |
| 18 | c1k4uP_ | Alignment |  | 5.2 | 36 | **PDB header:**hormone/growth factor<br>**Chain:** P: **PDB Molecule:**phagocyte nadph oxidase subunit p47phox;<br>**PDBTitle:** solution structure of the c-terminal sh3 domain of p67phox2 complexed with the c-terminal tail region of p47phox |

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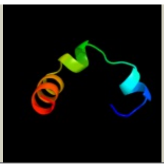
| 19 | c2jynA_ | Alignment |  | 5.2 | 18 | **PDB header:**structural genomics, unknown function<br>**Chain:** A: **PDB Molecule:**upf0368 protein ypl225w;<br>**PDBTitle:** a novel solution nmr structure of protein yst0336 from2 saccharomyces cerevisiae. northeast structural genomics3 consortium target yt51/ontario centre for structural4 proteomics target yst0336 |