



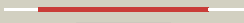




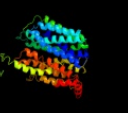




# Phyre2

|               |                             |
|---------------|-----------------------------|
| Email         | I.a.kelley@imperial.ac.uk   |
| Description   | P33026                      |
| Date          | Thu Jan 5 11:51:02 GMT 2012 |
| Unique Job ID | cb00b87405d9815c            |

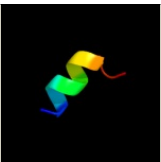
Detailed template information

| # | Template                | Alignment Coverage   | 3D Model  | Confidence | % i.d. | Template Information   |
|---|-------------------------|--|---|------------|--------|--|
| 1 | <a href="#">d1pv7a_</a> | <br>Alignment   |    | 100.0      | 13     | <b>Fold:</b> MFS general substrate transporter<br><b>Superfamily:</b> MFS general substrate transporter<br><b>Family:</b> LacY-like proton/sugar symporter   |
| 2 | <a href="#">c2gfpA_</a> | <br>Alignment   |    | 100.0      | 12     | <b>PDB header:</b> membrane protein<br><b>Chain:</b> A: <b>PDB Molecule:</b> multidrug resistance protein d;<br><b>PDBTitle:</b> structure of the multidrug transporter emrd from2 escherichia coli                        |
| 3 | <a href="#">d1pw4a_</a> | <br>Alignment   |    | 100.0      | 11     | <b>Fold:</b> MFS general substrate transporter<br><b>Superfamily:</b> MFS general substrate transporter<br><b>Family:</b> Glycerol-3-phosphate transporter   |
| 4 | <a href="#">c3o7pA_</a> | <br>Alignment   |    | 100.0      | 11     | <b>PDB header:</b> transport protein<br><b>Chain:</b> A: <b>PDB Molecule:</b> l-fucose-proton symporter;<br><b>PDBTitle:</b> crystal structure of the e.coli fucose:proton symporter, fucp (n162a)                         |
| 5 | <a href="#">c2xutC_</a> | <br>Alignment |  | 100.0      | 11     | <b>PDB header:</b> transport protein<br><b>Chain:</b> C: <b>PDB Molecule:</b> proton/peptide symporter family protein;<br><b>PDBTitle:</b> crystal structure of a proton dependent oligopeptide (pot)2 family transporter. |
| 6 | <a href="#">c2jlnA_</a> | <br>Alignment |  | 17.0       | 9      | <b>PDB header:</b> membrane protein<br><b>Chain:</b> A: <b>PDB Molecule:</b> mhp1;<br><b>PDBTitle:</b> structure of mhp1, a nucleobase-cation-symport-1 family2 transporter  |

7

[c2g9pA](#)

Alignment



10.4

17

**PDB header:**antimicrobial protein  
**Chain:** A: **PDB Molecule:**antimicrobial peptide Iatarcin 2a;  
**PDBTitle:** nmr structure of a novel antimicrobial peptide, Iatarcin 2a,2 from spider (Lachesana tarabaevi) venom