



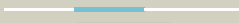





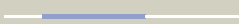


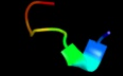





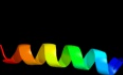



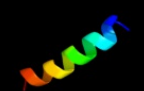









# Phyre2

Email	l.a.kelley@imperial.ac.uk
Description	P0AES9
Date	Thu Jan 5 11:24:08 GMT 2012
Unique Job ID	c3672a13d2140e44

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	<a href="#">d1dj8a_</a>	 Alignment		100.0	100	<b>Fold:</b> Protein HNS-dependent expression A; HdeA <b>Superfamily:</b> Protein HNS-dependent expression A; HdeA <b>Family:</b> Protein HNS-dependent expression A; HdeA
2	<a href="#">c2xuvB_</a>	 Alignment		91.1	18	<b>PDB header:</b> unknown function <b>Chain:</b> B: <b>PDB Molecule:</b> hdeb; <b>PDBTitle:</b> the structure of hdeb
3	<a href="#">c3bs7A_</a>	 Alignment		37.8	21	<b>PDB header:</b> signaling protein <b>Chain:</b> A: <b>PDB Molecule:</b> protein aveugle; <b>PDBTitle:</b> crystal structure of the sterile alpha motif (sam) domain2 of hyphen/aveugle
4	<a href="#">c3bq7A_</a>	 Alignment		31.4	38	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> diacylglycerol kinase delta; <b>PDBTitle:</b> sam domain of diacylglycerol kinase delta1 (e35g)
5	<a href="#">d1kw4a_</a>	 Alignment		29.4	27	<b>Fold:</b> SAM domain-like <b>Superfamily:</b> SAM/Pointed domain <b>Family:</b> SAM (sterile alpha motif) domain
6	<a href="#">c1v85A_</a>	 Alignment		23.4	19	<b>PDB header:</b> apoptosis <b>Chain:</b> A: <b>PDB Molecule:</b> similar to ring finger protein 36; <b>PDBTitle:</b> sterile alpha motif (sam) domain of mouse bifunctional2 apoptosis regulator
7	<a href="#">d1pk1c1</a>	 Alignment		18.9	44	<b>Fold:</b> SAM domain-like <b>Superfamily:</b> SAM/Pointed domain <b>Family:</b> SAM (sterile alpha motif) domain
8	<a href="#">c1eq8B_</a>	 Alignment		18.5	26	<b>PDB header:</b> signaling protein <b>Chain:</b> B: <b>PDB Molecule:</b> acetylcholine receptor protein; <b>PDBTitle:</b> three-dimensional structure of the pentameric helical2 bundle of the acetylcholine receptor m2 transmembrane3 segment
9	<a href="#">c1eq8D_</a>	 Alignment		18.5	26	<b>PDB header:</b> signaling protein <b>Chain:</b> D: <b>PDB Molecule:</b> acetylcholine receptor protein; <b>PDBTitle:</b> three-dimensional structure of the pentameric helical2 bundle of the acetylcholine receptor m2 transmembrane3 segment
10	<a href="#">c1eq8C_</a>	 Alignment		18.5	26	<b>PDB header:</b> signaling protein <b>Chain:</b> C: <b>PDB Molecule:</b> acetylcholine receptor protein; <b>PDBTitle:</b> three-dimensional structure of the pentameric helical2 bundle of the acetylcholine receptor m2 transmembrane3 segment
11	<a href="#">c1eq8E_</a>	 Alignment		18.5	26	<b>PDB header:</b> signaling protein <b>Chain:</b> E: <b>PDB Molecule:</b> acetylcholine receptor protein; <b>PDBTitle:</b> three-dimensional structure of the pentameric helical2 bundle of the acetylcholine receptor m2 transmembrane3 segment

12	<a href="#">c1eq8A_</a>	Alignment		18.5	26	<b>PDB header:</b> signaling protein <b>Chain:</b> A: <b>PDB Molecule:</b> acetylcholine receptor protein; <b>PDBTitle:</b> three-dimensional structure of the pentameric helical2 bundle of the acetylcholine receptor m2 transmembrane3 segment
13	<a href="#">c1a11A_</a>	Alignment		18.5	26	<b>PDB header:</b> acetylcholine receptor <b>Chain:</b> A: <b>PDB Molecule:</b> acetylcholine receptor m2; <b>PDBTitle:</b> nmr structure of membrane spanning segment 2 of the2 acetylcholine receptor in dpc micelles, 10 structures
14	<a href="#">d1wwva1</a>	Alignment		16.4	40	<b>Fold:</b> SAM domain-like <b>Superfamily:</b> SAM/Pointed domain <b>Family:</b> SAM (sterile alpha motif) domain
15	<a href="#">c3bs5A_</a>	Alignment		14.0	21	<b>PDB header:</b> signaling protein/membrane protein <b>Chain:</b> A: <b>PDB Molecule:</b> protein aveugle; <b>PDBTitle:</b> crystal structure of hcnk2-sam/dhyp-sam complex
16	<a href="#">c1usdA_</a>	Alignment		8.7	28	<b>PDB header:</b> signaling protein <b>Chain:</b> A: <b>PDB Molecule:</b> vasodilator-stimulated phosphoprotein; <b>PDBTitle:</b> human vasp tetramerisation domain l352m
17	<a href="#">d2fj6a1</a>	Alignment		6.8	22	<b>Fold:</b> SAM domain-like <b>Superfamily:</b> YozE-like <b>Family:</b> YozE-like
18	<a href="#">d2o6ka1</a>	Alignment		6.6	13	<b>Fold:</b> SAM domain-like <b>Superfamily:</b> YozE-like <b>Family:</b> YozE-like
19	<a href="#">c2eanA_</a>	Alignment		6.4	13	<b>PDB header:</b> signaling protein <b>Chain:</b> A: <b>PDB Molecule:</b> connector enhancer of kinase suppressor of ras 2; <b>PDBTitle:</b> solution structure of the n-terminal sam-domain of human2 kiaa0902 protein (connector enhancer of kinase suppressor3 of ras 2)
20	<a href="#">d2f93b1</a>	Alignment		6.3	28	<b>Fold:</b> Transmembrane helix hairpin <b>Superfamily:</b> Htr2 transmembrane domain-like <b>Family:</b> Htr2 transmembrane domain-like
21	<a href="#">c2f93B_</a>	Alignment	not modelled	6.3	28	<b>PDB header:</b> membrane protein <b>Chain:</b> B: <b>PDB Molecule:</b> sensory rhodopsin ii transducer; <b>PDBTitle:</b> k intermediate structure of sensory rhodopsin ii/transducer complex in2 combination with the ground state structure
22	<a href="#">c2f95B_</a>	Alignment	not modelled	6.0	28	<b>PDB header:</b> membrane protein <b>Chain:</b> B: <b>PDB Molecule:</b> sensory rhodopsin ii transducer; <b>PDBTitle:</b> m intermediate structure of sensory rhodopsin ii/transducer complex in2 combination with the ground state structure