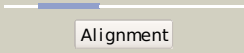

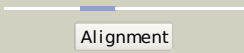

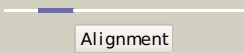

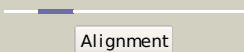
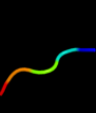
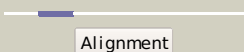
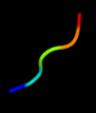
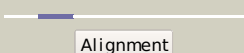
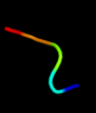




# Phyre2

Email	l.a.kelley@imperial.ac.uk
Description	A1A580
Date	Sat Jun 16 10:16:46 BST 2012
Unique Job ID	0461c513488a3b4f

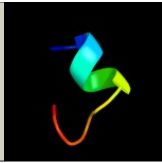
Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	<a href="#">d2ersa1</a>	 Alignment		23.5	44	<b>Fold:</b> Complement control module/SCR domain <b>Superfamily:</b> Complement control module/SCR domain <b>Family:</b> Complement control module/SCR domain
2	<a href="#">c2kgoA</a>	 Alignment		20.7	60	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> uncharacterized protein ybii; <b>PDBTitle:</b> solution nmr structure of zn finger protein ybil from escherichia2 coli. nesg target et107, omsp target ec0402
3	<a href="#">c1tr6A</a>	 Alignment		10.7	100	<b>PDB header:</b> toxin <b>Chain:</b> A: <b>PDB Molecule:</b> omega-conotoxin gvia; <b>PDBTitle:</b> nmr solution structure of omega-conotoxin [k10]gvia, a cyclic cysteine2 knot peptide
4	<a href="#">c1omcA</a>	 Alignment		10.6	100	<b>PDB header:</b> presynaptic neurotoxin <b>Chain:</b> A: <b>PDB Molecule:</b> omega-conotoxin gvia; <b>PDBTitle:</b> solution structure of omega-conotoxin gvia using 2-d nmr2 spectroscopy and relaxation matrix analysis
5	<a href="#">d1omca</a>	 Alignment		10.6	100	<b>Fold:</b> Knottins (small inhibitors, toxins, lectins) <b>Superfamily:</b> omega toxin-like <b>Family:</b> Conotoxin
6	<a href="#">c2ccoA</a>	 Alignment		10.6	100	<b>PDB header:</b> toxin <b>Chain:</b> A: <b>PDB Molecule:</b> omega-conotoxin gvia; <b>PDBTitle:</b> structure of the calcium channel blocker omega conotoxin2 gvia, nmr, 20 structures
7	<a href="#">c1ttA</a>	 Alignment		10.5	100	<b>PDB header:</b> toxin <b>Chain:</b> A: <b>PDB Molecule:</b> omega-conotoxin gvia; <b>PDBTitle:</b> omega-conotoxin gvia, a n-type calcium channel blocker

8

[d2fiqa1](#)

Alignment



7.5

50

**Fold:** TIM beta/alpha-barrel  
**Superfamily:** Aldolase  
**Family:** GatZ-like