






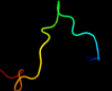




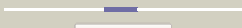








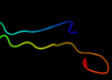
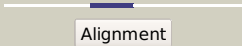
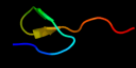

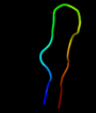
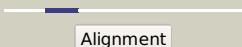
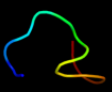
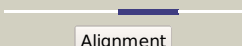

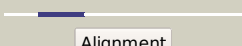

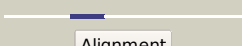
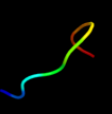


# Phyre2

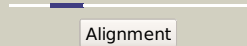
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Description	A2A591
Date	Tue Jul 30 13:08:00 BST 2013
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Detailed template information

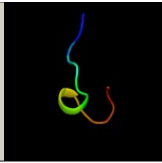
#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	<a href="#">c1aqsA_</a>	 Alignment		61.4	61	<b>PDB header:</b> metallothionein <b>Chain:</b> A: <b>PDB Molecule:</b> cu-metallothionein; <b>PDBTitle:</b> cu-metallothionein from saccharomyces cerevisiae, nmr, 102 structures
2	<a href="#">c1rjuV_</a>	 Alignment		58.2	61	<b>PDB header:</b> metal binding protein <b>Chain:</b> V: <b>PDB Molecule:</b> metallothionein; <b>PDBTitle:</b> crystal structure of a truncated form of yeast copper2 thionein
3	<a href="#">c2nx7A_</a>	 Alignment		39.2	67	<b>PDB header:</b> structural protein <b>Chain:</b> A: <b>PDB Molecule:</b> nematocyst outer wall antigen; <b>PDBTitle:</b> structure of nowa cysteine rich domain 8
4	<a href="#">d1hcnb_</a>	 Alignment		30.9	35	<b>Fold:</b> Cystine-knot cytokines <b>Superfamily:</b> Cystine-knot cytokines <b>Family:</b> Gonadotropin/Follitropin
5	<a href="#">c2kk2A_</a>	 Alignment		27.8	44	<b>PDB header:</b> signaling protein <b>Chain:</b> A: <b>PDB Molecule:</b> en-a1; <b>PDBTitle:</b> nmr solution structure of the pheromone en-a1 from euplotes nobilii
6	<a href="#">c1qfwB_</a>	 Alignment		27.2	35	<b>PDB header:</b> immune system <b>Chain:</b> B: <b>PDB Molecule:</b> gonadotrophin beta subunit; <b>PDBTitle:</b> ternary complex of human chorionic gonadotropin with fv anti alpha2 subunit and fv anti beta subunit
7	<a href="#">c1v7iA_</a>	 Alignment		10.5	86	<b>PDB header:</b> signaling protein <b>Chain:</b> A: <b>PDB Molecule:</b> agouti signaling protein; <b>PDBTitle:</b> nmr structure family of human agouti signalling protein (80-2 132: q115y, s124y)
8	<a href="#">d1xwdb1</a>	 Alignment		9.9	28	<b>Fold:</b> Cystine-knot cytokines <b>Superfamily:</b> Cystine-knot cytokines <b>Family:</b> Gonadotropin/Follitropin
9	<a href="#">c2rp4C_</a>	 Alignment		9.5	47	<b>PDB header:</b> transcription <b>Chain:</b> C: <b>PDB Molecule:</b> transcription factor p53; <b>PDBTitle:</b> solution structure of the oligomerization domain in dmp53
10	<a href="#">c1sopA_</a>	 Alignment		9.1	64	<b>PDB header:</b> structural protein <b>Chain:</b> A: <b>PDB Molecule:</b> mini-collagen; <b>PDBTitle:</b> c-terminal cysteine-rich domain of minicollagen-i from hydra
11	<a href="#">d1h34a_</a>	 Alignment		8.6	37	<b>Fold:</b> Knottins (small inhibitors, toxins, lectins) <b>Superfamily:</b> Bowman-Birk inhibitor, BBI <b>Family:</b> Bowman-Birk inhibitor, BBI

12	<a href="#">d2heyr3</a>	 Alignment		7.5	26	<b>Fold:</b> TNF receptor-like <b>Superfamily:</b> TNF receptor-like <b>Family:</b> TNF receptor-like
13	<a href="#">c3plcA</a>	 Alignment		7.2	33	<b>PDB header:</b> toxin <b>Chain:</b> A: <b>PDB Molecule:</b> beta-cardiotoxin oh-27; <b>PDBTitle:</b> crystal structure of beta-cardiotoxin, a novel three-finger2 cardiotoxin from the venom of ophiophagus hannah
14	<a href="#">c1imtA</a>	 Alignment		6.9	40	<b>PDB header:</b> toxin <b>Chain:</b> A: <b>PDB Molecule:</b> intestinal toxin 1; <b>PDBTitle:</b> mamba intestinal toxin 1, nmr, 39 structures
15	<a href="#">d1tabi</a>	 Alignment		6.7	23	<b>Fold:</b> Knottins (small inhibitors, toxins, lectins) <b>Superfamily:</b> Bowman-Birk inhibitor, BBI <b>Family:</b> Bowman-Birk inhibitor, BBI
16	<a href="#">d1lsia</a>	 Alignment		6.4	52	<b>Fold:</b> Snake toxin-like <b>Superfamily:</b> Snake toxin-like <b>Family:</b> Snake venom toxins
17	<a href="#">d1bnba</a>	 Alignment		6.2	67	<b>Fold:</b> Defensin-like <b>Superfamily:</b> Defensin-like <b>Family:</b> Defensin

18 [c2kraA\\_](#)



Alignment



6.2

40

**PDB header:** contractile protein  
**Chain:** A: **PDB Molecule:** prokineticin bv8;  
**PDBTitle:** solution structure of bv8