


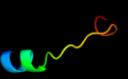



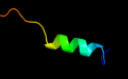



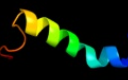



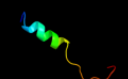

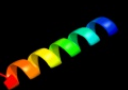

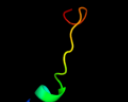


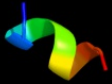







# Phyre2

Email	l.a.kelley@imperial.ac.uk
Description	Q46919
Date	Thu Jan 5 12:35:52 GMT 2012
Unique Job ID	2c79acea5338904f

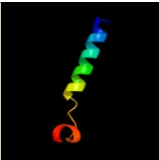
Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	<a href="#">d2hgka1</a>	 Alignment		100.0	100	<b>Fold:</b> Bromodomain-like <b>Superfamily:</b> YqcC-like <b>Family:</b> YqcC-like
2	<a href="#">c2gc6A</a>	 Alignment		31.5	30	<b>PDB header:</b> ligase <b>Chain:</b> A: <b>PDB Molecule:</b> folylpolyglutamate synthase; <b>PDBTitle:</b> s73a mutant of l. casei fpgs
3	<a href="#">c3d1dC</a>	 Alignment		17.4	17	<b>PDB header:</b> nuclear protein <b>Chain:</b> C: <b>PDB Molecule:</b> rna-induced transcriptional silencing complex <b>PDBTitle:</b> hexagonal crystal structure of tas3 c-terminal alpha motif
4	<a href="#">d1ewfa2</a>	 Alignment		17.1	28	<b>Fold:</b> Aha1/BPI domain-like <b>Superfamily:</b> Bactericidal permeability-increasing protein, BPI <b>Family:</b> Bactericidal permeability-increasing protein, BPI
5	<a href="#">d1eswa</a>	 Alignment		16.5	14	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> (Trans)glycosidases <b>Family:</b> Amylase, catalytic domain
6	<a href="#">d1w1oa1</a>	 Alignment		15.0	18	<b>Fold:</b> Ferredoxin-like <b>Superfamily:</b> FAD-linked oxidases, C-terminal domain <b>Family:</b> Cytokinin dehydrogenase 1
7	<a href="#">c2yu0A</a>	 Alignment		11.1	19	<b>PDB header:</b> signaling protein <b>Chain:</b> A: <b>PDB Molecule:</b> interferon-activable protein 205; <b>PDBTitle:</b> solution structures of the paad_dapin domain of mus2 musculus interferon-activatable protein 205
8	<a href="#">c1bp1A</a>	 Alignment		9.7	28	<b>PDB header:</b> bactericidal <b>Chain:</b> A: <b>PDB Molecule:</b> bactericidal/permeability-increasing protein; <b>PDBTitle:</b> crystal structure of bpi, the human bactericidal2 permeability-increasing protein
9	<a href="#">d1x1na1</a>	 Alignment		9.4	14	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> (Trans)glycosidases <b>Family:</b> Amylase, catalytic domain
10	<a href="#">d2gc6a2</a>	 Alignment		9.3	30	<b>Fold:</b> Ribokinase-like <b>Superfamily:</b> MurD-like peptide ligases, catalytic domain <b>Family:</b> Folylpolyglutamate synthetase
11	<a href="#">d1tz7a1</a>	 Alignment		8.7	14	<b>Fold:</b> TIM beta/alpha-barrel <b>Superfamily:</b> (Trans)glycosidases <b>Family:</b> Amylase, catalytic domain

12	<a href="#">d1jb0i_</a>	Alignment		7.8	44	<b>Fold:</b> Single transmembrane helix <b>Superfamily:</b> Subunit VIII of photosystem I reaction centre, PsaI <b>Family:</b> Subunit VIII of photosystem I reaction centre, PsaI
13	<a href="#">c1pnbB_</a>	Alignment		7.5	11	<b>PDB header:</b> seed storage protein <b>Chain:</b> B: <b>PDB Molecule:</b> napin bnib; <b>PDBTitle:</b> structure of napin bnib, nmr, 10 structures
14	<a href="#">c3if4C_</a>	Alignment		6.9	30	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> C: <b>PDB Molecule:</b> integron cassette protein hfx_cass5; <b>PDBTitle:</b> structure from the mobile metagenome of north west arm2 sewage outfall: integron cassette protein hfx_cass5
15	<a href="#">d1v38a_</a>	Alignment		6.1	13	<b>Fold:</b> SAM domain-like <b>Superfamily:</b> SAM/Pointed domain <b>Family:</b> SAM (sterile alpha motif) domain
16	<a href="#">d2r7ga2</a>	Alignment		5.6	20	<b>Fold:</b> Cyclin-like <b>Superfamily:</b> Cyclin-like <b>Family:</b> Retinoblastoma tumor suppressor domains
17	<a href="#">c3k1qA_</a>	Alignment		5.6	13	<b>PDB header:</b> virus <b>Chain:</b> A: <b>PDB Molecule:</b> vp1, the protein that forms the mrna-capping <b>PDBTitle:</b> backbone model of an aquareovirus virion by cryo-electron2 microscopy and bioinformatics

18 [d2fgea3](#)

Alignment



5.3

14 **Fold:** LuxS/MPP-like metallohydrolase  
**Superfamily:** LuxS/MPP-like metallohydrolase  
**Family:** MPP-like