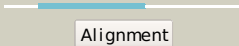



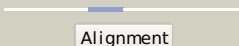

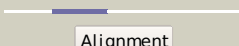

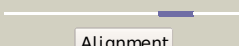

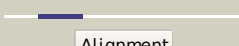



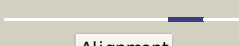
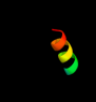






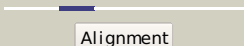
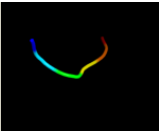



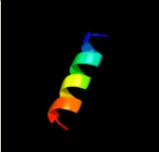


Phyre2

Email	I.a.kelley@imperial.ac.uk
Description	O13549
Date	Mon Jul 2 19:10:13 BST 2012
Unique Job ID	c0859467eb56c437

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	d1gaka_	 Alignment		38.0	32	Fold: Fertilization protein Superfamily: Fertilization protein Family: Fertilization protein
2	c2vxdA_	 Alignment		27.7	42	PDB header: nuclear protein Chain: A: PDB Molecule: nucleophosmin; PDBTitle: the structure of the c-terminal domain of nucleophosmin
3	c1qp6B_	 Alignment		21.8	54	PDB header: de novo protein Chain: B: PDB Molecule: protein (alpha2d); PDBTitle: solution structure of alpha2d
4	c2llhA_	 Alignment		17.8	42	PDB header: dna binding protein, chaperone Chain: A: PDB Molecule: nucleophosmin; PDBTitle: nmr structure of npm1_c70
5	c2kneB_	 Alignment		14.7	35	PDB header: metal transport Chain: B: PDB Molecule: atpase, ca++ transporting, plasma membrane 4; PDBTitle: calmodulin wraps around its binding domain in the plasma2 membrane ca2+ pump anchored by a novel 18-1 motif
6	c3vieF_	 Alignment		9.8	27	PDB header: viral protein/antiviral protein Chain: F: PDB Molecule: sifuvirtide; PDBTitle: hiv-gp41 fusion inhibitor sifuvirtide
7	c3uc2A_	 Alignment		7.2	25	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: hypothetical protein with immunoglobulin-like fold; PDBTitle: crystal structure of a hypothetical protein with immunoglobulin-like2 fold (pa0388) from pseudomonas aeruginosa pao1 at 2.09 a resolution
8	d1m9fd_	 Alignment		7.2	40	Fold: Retrovirus capsid protein, N-terminal core domain Superfamily: Retrovirus capsid protein, N-terminal core domain Family: Retrovirus capsid protein, N-terminal core domain
9	c1favC_	 Alignment		6.8	29	PDB header: viral protein Chain: C: PDB Molecule: protein (transmembrane glycoprotein); PDBTitle: the structure of an hiv-1 specific cell entry inhibitor in complex2 with the hiv-1 gp41 trimeric core
10	d1yf2a1	 Alignment		6.2	21	Fold: DNA methylase specificity domain Superfamily: DNA methylase specificity domain Family: Type I restriction modification DNA specificity domain
11	d2eiaa2	 Alignment		6.2	20	Fold: Retrovirus capsid protein, N-terminal core domain Superfamily: Retrovirus capsid protein, N-terminal core domain Family: Retrovirus capsid protein, N-terminal core domain

12	c1lj2D_	 Alignment		6.2	100	PDB header: viral protein/translation Chain: D: PDB Molecule: eukaryotic protein synthesis initiation factor; PDBTitle: recognition of eif4g by rotavirus nsp3 reveals a basis for2 mrna circularization
13	d1m9dc_	 Alignment		5.9	40	Fold: Retrovirus capsid protein, N-terminal core domain Superfamily: Retrovirus capsid protein, N-terminal core domain Family: Retrovirus capsid protein, N-terminal core domain
14	c1l6nA_	 Alignment		5.8	40	PDB header: viral protein Chain: A: PDB Molecule: gag polyprotein; PDBTitle: structure of the n-terminal 283-residue fragment of the hiv-2 1 gag polyprotein

15 [c2o8gl_](#)

Alignment



5.3

50

PDB header:hydrolase/inhibitor
Chain: J: **PDB Molecule:**protein phosphatase inhibitor 2;
PDBTitle: rat pp1c gamma complexed with mouse inhibitor-2