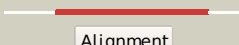

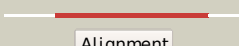

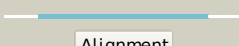

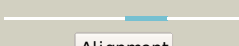




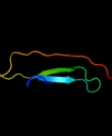







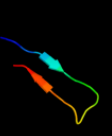
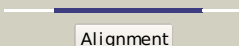

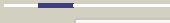

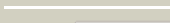












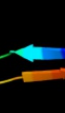



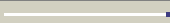


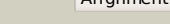


Phyre2

Email	I.a.kelley@imperial.ac.uk
Description	P58095
Date	Thu Jan 5 12:06:39 GMT 2012
Unique Job ID	865f2596b21becfa

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c2hjjA_	 Alignment		100.0	62	PDB header: structural genomics, unknown function Chain: A; PDB Molecule: hypothetical protein ykff; PDBTitle: solution nmr structure of protein ykff from escherichia coli.2 northeast structural genomics target er397.
2	d2hjjal	 Alignment		100.0	62	Fold: dsRBD-like Superfamily: YcfA/nrd intein domain Family: YkfF-like
3	c3lrmB_	 Alignment		39.0	18	PDB header: hydrolase Chain: B; PDB Molecule: alpha-galactosidase 1; PDBTitle: structure of alfa-galactosidase from saccharomyces cerevisiae with2 raffinose
4	c3isyA_	 Alignment		32.9	33	PDB header: protein binding Chain: A; PDB Molecule: intracellular proteinase inhibitor; PDBTitle: crystal structure of an intracellular proteinase inhibitor (ipi,2 bsu11130) from bacillus subtilis at 2.61 a resolution
5	c3hx8A_	 Alignment		12.5	25	PDB header: isomerase Chain: A; PDB Molecule: putative ketosteroid isomerase; PDBTitle: crystal structure of putative ketosteroid isomerase2 (np_103587.1) from mesorhizobium loti at 1.45 a resolution
6	d1u2ca1	 Alignment		12.3	18	Fold: Immunoglobulin-like beta-sandwich Superfamily: Cadherin-like Family: Dystroglycan, N-terminal domain
7	d1uasa2	 Alignment		11.6	27	Fold: TIM beta/alpha-barrel Superfamily: (Trans)glycosidases Family: Amylase, catalytic domain
8	d1xdna_	 Alignment		11.5	13	Fold: ATP-grasp Superfamily: DNA ligase/mRNA capping enzyme, catalytic domain Family: RNA ligase
9	c1xs3A_	 Alignment		10.9	20	PDB header: structural genomics, unknown function Chain: A; PDB Molecule: hypothetical protein xc975; PDBTitle: solution structure analysis of the xc975 protein
10	c2dhmA_	 Alignment		9.9	12	PDB header: protein binding Chain: A; PDB Molecule: protein bola; PDBTitle: solution structure of the bola protein from escherichia coli
11	c3p1vB_	 Alignment		9.2	18	PDB header: hydrolase Chain: B; PDB Molecule: metallo-endopeptidase; PDBTitle: crystal structure of a metallo-endopeptidases (bacova_00663) from2 bacteroides ovatus at 1.93 a resolution

12	c1z64A_	 Alignment		8.5	57	PDB header: antimicrobial protein Chain: A: PDB Molecule: pleruoicidin; PDBTitle: nmr solution structure of pleurocidin in dpc micelles
13	c2zt9F_	 Alignment		8.0	29	PDB header: photosynthesis Chain: F: PDB Molecule: cytochrome b6-f complex subunit 7; PDBTitle: crystal structure of the cytochrome b6f complex from nostoc sp. pcc2 7120
14	c3tr3A_	 Alignment		7.6	20	PDB header: unknown function Chain: A: PDB Molecule: bola; PDBTitle: structure of a bola protein homologue from coxiella burnetii
15	c1yewF_	 Alignment		7.5	50	PDB header: oxidoreductase, membrane protein Chain: F: PDB Molecule: particulate methane monooxygenase, a subunit; PDBTitle: crystal structure of particulate methane monooxygenase
16	c3a23A_	 Alignment		7.4	31	PDB header: hydrolase Chain: A: PDB Molecule: putative secreted alpha-galactosidase; PDBTitle: crystal structure of beta-l-arabinopyranosidase complexed with d-2 galactose
17	c3ocjA_	 Alignment		7.3	26	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: putative exported protein; PDBTitle: the crystal structure of a possilbe exported protein from bordetella2 parapertussis
18	c2kdnA_	 Alignment		7.1	13	PDB header: unknown function Chain: A: PDB Molecule: putative uncharacterized protein pfe0790c; PDBTitle: solution structure of pfe0790c, a putative bola-like2 protein from the protozoan parasite plasmodium falciparum.
19	c3o2eA_	 Alignment		6.7	13	PDB header: unknown function Chain: A: PDB Molecule: bola-like protein; PDBTitle: crystal structure of a bol-like protein from babesia bovis
20	d1x7fa2	 Alignment		6.5	31	Fold: TIM beta/alpha-barrel Superfamily: (Trans)glycosidases Family: Outer surface protein, N-terminal domain
21	c3ffeB_	 Alignment	not modelled	6.2	23	PDB header: biosynthetic protein Chain: B: PDB Molecule: acsd; PDBTitle: structure of achromobactin synthetase protein d, (acsd)
22	c2kz3A_	 Alignment	not modelled	6.1	22	PDB header: unknown function Chain: A: PDB Molecule: putative uncharacterized protein rad51l3; PDBTitle: backbone 1h, 13c, and 15n chemical shift assignments for human rad51d2 from 1 to 83
23	d1szna2	 Alignment	not modelled	5.6	27	Fold: TIM beta/alpha-barrel Superfamily: (Trans)glycosidases Family: Amylase, catalytic domain
24	c3gv2E_	 Alignment	not modelled	5.6	35	PDB header: viral protein Chain: E: PDB Molecule: fusion protein consisting of capsid protein p24, PDBTitle: x-ray structure of hexameric hiv-1 ca
25	c3chxF_	 Alignment	not modelled	5.3	46	PDB header: membrane protein Chain: F: PDB Molecule: pmoa; PDBTitle: crystal structure of methylosinus trichosporium ob3b2 particulate methane monooxygenase (pmmo)