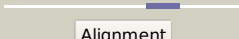

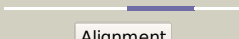

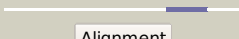




























Phyre2

Email	I.a.kelley@imperial.ac.uk
Description	A2A5H7
Date	Wed Jul 10 14:29:34 BST 2013
Unique Job ID	28d09187c4d06d94

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c2kyjA_	 Alignment		19.4	42	PDB header: toxin Chain: A: PDB Molecule: litx; PDBTitle: structure of the scorpion toxin u1-liotoxin-lw1a
2	d2qj2a1	 Alignment		16.3	33	Fold: Hairpin loop containing domain-like Superfamily: Hairpin loop containing domain-like Family: Hairpin loop containing domain
3	c2lurA_	 Alignment		15.3	40	PDB header: plant protein Chain: A: PDB Molecule: kalata; PDBTitle: nmr solution structure of kb1[ghrw;23-28]
4	d1zuea1	 Alignment		13.9	83	Fold: Defensin-like Superfamily: Defensin-like Family: Defensin
5	c2wwbC_	 Alignment		12.9	25	PDB header: ribosome Chain: C: PDB Molecule: protein transport protein sec61 subunit beta; PDBTitle: cryo-em structure of the mammalian sec61 complex bound to the2 actively translating wheat germ 80s ribosome
6	c3c9aD_	 Alignment		12.5	16	PDB header: hormone/signaling protein Chain: D: PDB Molecule: protein spitz; PDBTitle: high resolution crystal structure of argos bound to the egf2 domain of spitz
7	d1ataa_	 Alignment		11.6	54	Fold: Serine protease inhibitors Superfamily: Serine protease inhibitors Family: ATI-like
8	c4gehB_	 Alignment		10.6	25	PDB header: protein binding/transferase Chain: B: PDB Molecule: serine/threonine-protein kinase mst4; PDBTitle: crystal structure of mst4 dimerization domain complex with pdcd10
9	d1oh4a_	 Alignment		10.5	31	Fold: Galactose-binding domain-like Superfamily: Galactose-binding domain-like Family: Family 27 carbohydrate binding module, CBM27
10	c3zq7A_	 Alignment		8.4	31	PDB header: transcription Chain: A: PDB Molecule: kdp operon transcriptional regulatory protein kdpe; PDBTitle: the structure of dna-binding domain of response regulator2 from escherichia coli k-12
11	c1h8pB_	 Alignment		7.8	23	PDB header: phosphorylcholine-binding protein Chain: B: PDB Molecule: seminal plasma protein pdc-109; PDBTitle: bull seminal plasma pdc-109 fibronectin type ii module

12	c2e4wA_	Alignment		7.7	25	PDB header: signaling protein Chain: A: PDB Molecule: metabotropic glutamate receptor 3; PDBTitle: crystal structure of the extracellular region of the group ii2 metabotropic glutamate receptor complexed with 1s,3s-acpd
13	d1t0wa_	Alignment		7.6	55	Fold: Knottins (small inhibitors, toxins, lectins) Superfamily: Plant lectins/antimicrobial peptides Family: Hevein-like agglutinin (lectin) domain
14	c2ldsA_	Alignment		7.0	36	PDB header: toxin Chain: A: PDB Molecule: insecticidal toxin lait1; PDBTitle: solution structure of a short-chain lait1 from the venom of scorpion2 liocheles australasiae
15	c3w8hB_	Alignment		6.4	31	PDB header: protein binding/transferase Chain: B: PDB Molecule: serine/threonine-protein kinase 25; PDBTitle: crystal structure of ccm3 in complex with the c-terminal regulatory2 domain of stk25
16	d1nraa_	Alignment		6.3	36	Fold: Knottins (small inhibitors, toxins, lectins) Superfamily: Scorpion toxin-like Family: Long-chain scorpion toxins
17	c2zxiB_	Alignment		6.3	26	PDB header: transcription Chain: B: PDB Molecule: transcriptional regulatory protein walr; PDBTitle: crystal structure of yycf dna-binding domain from staphylococcus2 aureus
18	d1edga_	Alignment		6.2	44	Fold: TIM beta/alpha-barrel Superfamily: (Trans)glycosidases Family: beta-glycanases
19	c2k21A_	Alignment		6.0	14	PDB header: membrane protein Chain: A: PDB Molecule: potassium voltage-gated channel subfamily e PDBTitle: nmr structure of human kcne1 in Impg micelles at ph 6.0 and2 40 degree c
20	c4dwcA_	Alignment		5.8	80	PDB header: viral protein Chain: A: PDB Molecule: e(rns) glycoprotein; PDBTitle: crystal structure of the glycoprotein erns from the pestivirus bvdv-12 in complex with zn ions
21	c2la0A_	Alignment	not modelled	5.8	38	PDB header: antimicrobial protein Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: trn- peptide of the two-component bacteriocin thuricin cd
22	c2lqxA_	Alignment	not modelled	5.7	52	PDB header: hydrolase inhibitor Chain: A: PDB Molecule: trypsin inhibitor bwi-2c; PDBTitle: nmr spatial structure of the trypsin inhibitor bwi-2c from the2 buckwheat seeds