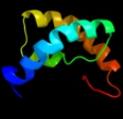
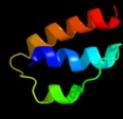
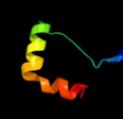
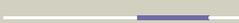
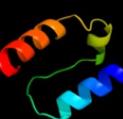
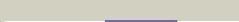
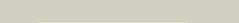
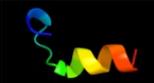
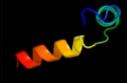
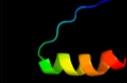
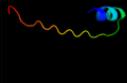
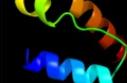


Phyre2

Email	l.a.kelley@imperial.ac.uk
Description	P26649
Date	Wed Jan 25 15:20:46 GMT 2012
Unique Job ID	4dfc50b55431c90b

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	d1rrza_	 Alignment		100.0	100	Fold: Spectrin repeat-like Superfamily: Glycogen synthesis protein GlgS Family: Glycogen synthesis protein GlgS
2	c1rrza_	 Alignment		100.0	100	PDB header: structural genomics,biosynthetic protein Chain: A: PDB Molecule: glycogen synthesis protein glgs; PDBTitle: solution structure of glgs protein from e. coli
3	d1se7a_	 Alignment		96.1	31	Fold: DNA polymerase III theta subunit-like Superfamily: DNA polymerase III theta subunit-like Family: DNA polymerase III theta subunit-like
4	d2ae9a1	 Alignment		96.0	27	Fold: DNA polymerase III theta subunit-like Superfamily: DNA polymerase III theta subunit-like Family: DNA polymerase III theta subunit-like
5	d2idob1	 Alignment		95.7	31	Fold: DNA polymerase III theta subunit-like Superfamily: DNA polymerase III theta subunit-like Family: DNA polymerase III theta subunit-like
6	c2azpA_	 Alignment		21.3	18	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: hypothetical protein pa1268; PDBTitle: crystal structure of pa1268 solved by sulfur sad
7	d1em8a_	 Alignment		17.8	14	Fold: DNA polymerase III chi subunit Superfamily: DNA polymerase III chi subunit Family: DNA polymerase III chi subunit
8	c2qjxA_	 Alignment		16.2	20	PDB header: protein binding Chain: A: PDB Molecule: protein bim1; PDBTitle: structural basis of microtubule plus end tracking by2 xmap215, clip-170 and eb1
9	c1w62B_	 Alignment		14.1	24	PDB header: racemase Chain: B: PDB Molecule: b-cell mitogen; PDBTitle: proline racemase in complex with one molecule of pyrrole-2-2 carboxylic acid (hemi form)
10	c1hf0A_	 Alignment		13.2	38	PDB header: transcription factor Chain: A: PDB Molecule: octamer-binding transcription factor 1; PDBTitle: crystal structure of the dna-binding domain of oct-1 bound2 to dna as a dimer
11	d1v5ka_	 Alignment		9.8	29	Fold: CH domain-like Superfamily: Calponin-homology domain, CH-domain Family: Calponin-homology domain, CH-domain

12	c3d1nK	Alignment		9.5	44	PDB header: transcription regulator/dna Chain: K: PDB Molecule: pou domain, class 6, transcription factor 1; PDBTitle: structure of human brn-5 transcription factor in complex2 with corticotrophin-releasing hormone gene promoter
13	d1skva	Alignment		9.2	30	Fold: ROP-like Superfamily: Hypothetical protein D-63 Family: Hypothetical protein D-63
14	c1b9uA	Alignment		9.1	50	PDB header: hydrolase Chain: A: PDB Molecule: protein (atp synthase); PDBTitle: membrane domain of the subunit b of the e.coli atp synthase
15	d1y7ua1	Alignment		8.6	17	Fold: Thioesterase/thiol ester dehydrase-isomerase Superfamily: Thioesterase/thiol ester dehydrase-isomerase Family: 4HBT-like
16	c2diuA	Alignment		8.4	26	PDB header: rna binding protein Chain: A: PDB Molecule: kiaa0430 protein; PDBTitle: solution structure of the rrm domain of kiaa0430 protein
17	d1s6la1	Alignment		8.0	38	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: MerB N-terminal domain-like
18	c2gm2A	Alignment		7.7	30	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: conserved hypothetical protein; PDBTitle: nmr structure of xanthomonas campestris xcc1710: northeast2 structural genomics consortium target xcr35
19	d1au7a1	Alignment		7.6	38	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: Homeodomain
20	d2qjza1	Alignment		6.9	24	Fold: CH domain-like Superfamily: Calponin-homology domain, CH-domain Family: Calponin-homology domain, CH-domain
21	d1bama	Alignment	not modelled	6.9	33	Fold: Restriction endonuclease-like Superfamily: Restriction endonuclease-like Family: Restriction endonuclease BamHI
22	d3d1ma1	Alignment	not modelled	6.8	70	Fold: Hedgehog/DD-peptidase Superfamily: Hedgehog/DD-peptidase Family: Hedgehog (development protein), N-terminal signaling domain
23	c3swfA	Alignment	not modelled	6.6	44	PDB header: transport protein Chain: A: PDB Molecule: cgmp-gated cation channel alpha-1; PDBTitle: cnga1 621-690 containing clz domain
24	c2hl7A	Alignment	not modelled	6.6	40	PDB header: oxidoreductase Chain: A: PDB Molecule: cytochrome c-type biogenesis protein ccmh; PDBTitle: crystal structure of the periplasmic domain of ccmh from pseudomonas2 aeruginosa
25	c3m1nB	Alignment	not modelled	6.6	70	PDB header: signaling protein Chain: B: PDB Molecule: sonic hedgehog protein; PDBTitle: crystal structure of human sonic hedgehog n-terminal domain
26	c1geaA	Alignment	not modelled	6.5	42	PDB header: neuropeptide Chain: A: PDB Molecule: pituitary adenylate cyclase activating PDBTitle: receptor-bound conformation of pacap21
27	d1b79a	Alignment	not modelled	6.3	24	Fold: N-terminal domain of DnaB helicase Superfamily: N-terminal domain of DnaB helicase Family: N-terminal domain of DnaB helicase
28	d2pp6a1	Alignment	not modelled	6.1	32	Fold: Phage tail proteins Superfamily: Phage tail proteins Family: gpFII-like
29	c3hvaB	Alignment	not modelled	6.1	71	PDB header: metal binding protein Chain: B: PDB Molecule: glutamate [nmda] receptor subunit zeta-1

29	c3uyab_	Alignment	not modelled	6.1	71	peptide; PDBTitle: structure of a calmodulin complex
30	d1b8ia_	Alignment	not modelled	6.0	19	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: Homeodomain
31	d1ejxb_	Alignment	not modelled	6.0	39	Fold: beta-clip Superfamily: Urease, beta-subunit Family: Urease, beta-subunit
32	c2jtxA_	Alignment	not modelled	5.9	19	PDB header: transcription Chain: A; PDB Molecule: transcription initiation factor iie subunit PDBTitle: nmr structure of the tfii-alpha carboxyl terminus
33	c2yqeA_	Alignment	not modelled	5.5	15	PDB header: dna binding protein Chain: A; PDB Molecule: jumonji/arid domain-containing protein 1d; PDBTitle: solution structure of the arid domain of jarid1d protein
34	c2rngA_	Alignment	not modelled	5.5	19	PDB header: transcription Chain: A; PDB Molecule: transcription initiation factor iie subunit PDBTitle: solution structure of the c-terminal acidic domain of tfii2 alpha
35	c2hqwB_	Alignment	not modelled	5.4	71	PDB header: metal binding protein Chain: B; PDB Molecule: glutamate nmda receptor subunit zeta 1; PDBTitle: crystal structure of ca2+/calmodulin bound to nmda receptor nr1c12 peptide
36	c2kw0A_	Alignment	not modelled	5.3	33	PDB header: oxidoreductase Chain: A; PDB Molecule: ccmh protein; PDBTitle: solution structure of n-terminal domain of ccmh from escherichia.coli