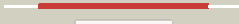

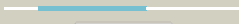




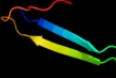




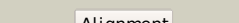
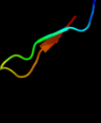










Phyre2

Email	l.a.kelley@imperial.ac.uk
Description	P64496
Date	Thu Jan 5 12:08:55 GMT 2012
Unique Job ID	aea74e534497e394

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	d1neia_	 Alignment		100.0	100	Fold: Hypothetical protein YoaG Superfamily: Hypothetical protein YoaG Family: Hypothetical protein YoaG
2	d1e2wa2	 Alignment		36.2	27	Fold: Barrel-sandwich hybrid Superfamily: Rudiment single hybrid motif Family: Cytochrome f, small domain
3	d1czpa_	 Alignment		20.8	29	Fold: beta-Grasp (ubiquitin-like) Superfamily: 2Fe-2S ferredoxin-like Family: 2Fe-2S ferredoxin-related
4	d1ci3m2	 Alignment		16.1	17	Fold: Barrel-sandwich hybrid Superfamily: Rudiment single hybrid motif Family: Cytochrome f, small domain
5	c2ww1B_	 Alignment		15.7	32	PDB header: hydrolase Chain: B: PDB Molecule: putative alpha-1,2-mannosidase; PDBTitle: structure of the family gh92 inverting mannosidase bt39902 from bacteroides thetaiotaomicron vpi-5482 in complex with3 thiomannobioside
6	d1hcza2	 Alignment		12.9	32	Fold: Barrel-sandwich hybrid Superfamily: Rudiment single hybrid motif Family: Cytochrome f, small domain
7	d1pfda_	 Alignment		11.3	29	Fold: beta-Grasp (ubiquitin-like) Superfamily: 2Fe-2S ferredoxin-like Family: 2Fe-2S ferredoxin-related
8	d1offa_	 Alignment		11.2	29	Fold: beta-Grasp (ubiquitin-like) Superfamily: 2Fe-2S ferredoxin-like Family: 2Fe-2S ferredoxin-related
9	c1wcuA_	 Alignment		10.3	42	PDB header: carbohydrate binding Chain: A: PDB Molecule: non-catalytic protein 1; PDBTitle: cbm29_1, a family 29 carbohydrate binding module from2 piromyces equi
10	d1j8yf1	 Alignment		10.0	21	Fold: Four-helical up-and-down bundle Superfamily: Domain of the SRP/SRP receptor G-proteins Family: Domain of the SRP/SRP receptor G-proteins
11	d1rj9b1	 Alignment		9.5	38	Fold: Four-helical up-and-down bundle Superfamily: Domain of the SRP/SRP receptor G-proteins Family: Domain of the SRP/SRP receptor G-proteins

12	d1gaqb_	Alignment		9.3	29	Fold: beta-Grasp (ubiquitin-like) Superfamily: 2Fe-2S ferredoxin-like Family: 2Fe-2S ferredoxin-related
13	c2wvyA_	Alignment		9.0	36	PDB header: hydrolase Chain: A: PDB Molecule: alpha-1,2-mannosidase; PDBTitle: structure of the family gh92 inverting mannosidase bt21992 from bacteroides thetaiotaomicron vpi-5482
14	d1ls1a1	Alignment		8.7	38	Fold: Four-helical up-and-down bundle Superfamily: Domain of the SRP/SRP receptor G-proteins Family: Domain of the SRP/SRP receptor G-proteins
15	d1gwma_	Alignment		8.6	17	Fold: Galactose-binding domain-like Superfamily: Galactose-binding domain-like Family: Family 29 carbohydrate binding module, CBM29
16	d1wgwa_	Alignment		8.6	29	Fold: Four-helical up-and-down bundle Superfamily: Domain of the SRP/SRP receptor G-proteins Family: Domain of the SRP/SRP receptor G-proteins
17	d4fxca_	Alignment		8.6	29	Fold: beta-Grasp (ubiquitin-like) Superfamily: 2Fe-2S ferredoxin-like Family: 2Fe-2S ferredoxin-related
18	c2wukD_	Alignment		7.2	43	PDB header: cell cycle Chain: D: PDB Molecule: septum site-determining protein diviva; PDBTitle: diviva n-terminal domain, f17a mutant
19	c3ku7B_	Alignment		7.0	23	PDB header: cell cycle Chain: B: PDB Molecule: cell division topological specificity factor; PDBTitle: crystal structure of helicobacter pylori mine, a cell division2 topological specificity factor
20	c3emiA_	Alignment		6.8	44	PDB header: cell adhesion Chain: A: PDB Molecule: hia (adhesin); PDBTitle: crystal structure of hia 307-422 non-adhesive domain
21	d1a70a_	Alignment	not modelled	6.0	29	Fold: beta-Grasp (ubiquitin-like) Superfamily: 2Fe-2S ferredoxin-like Family: 2Fe-2S ferredoxin-related
22	d1qzxa1	Alignment	not modelled	6.0	13	Fold: Four-helical up-and-down bundle Superfamily: Domain of the SRP/SRP receptor G-proteins Family: Domain of the SRP/SRP receptor G-proteins