


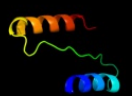

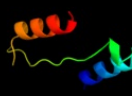



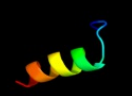

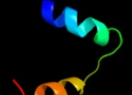

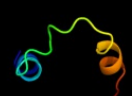

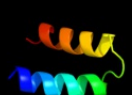





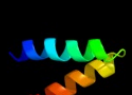

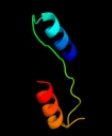
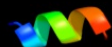


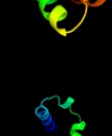
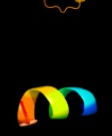

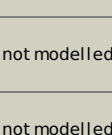


Phyre2

Email	I.a.kelley@imperial.ac.uk
Description	P0AAR0
Date	Thu Jan 5 11:13:32 GMT 2012
Unique Job ID	fe43e1d5e7c509cf

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	d1auga_	 Alignment		31.6	18	Fold: Phosphorylase/hydrolase-like Superfamily: Pyrrolidone carboxyl peptidase (pyroglutamate aminopeptidase) Family: Pyrrolidone carboxyl peptidase (pyroglutamate aminopeptidase)
2	c3giuA_	 Alignment		29.4	13	PDB header: hydrolase Chain: A: PDB Molecule: pyrrolidone-carboxylate peptidase; PDBTitle: 1.25 angstrom crystal structure of pyrrolidone-carboxylate peptidase2 (pcp) from staphylococcus aureus
3	d1iu8a_	 Alignment		21.4	16	Fold: Phosphorylase/hydrolase-like Superfamily: Pyrrolidone carboxyl peptidase (pyroglutamate aminopeptidase) Family: Pyrrolidone carboxyl peptidase (pyroglutamate aminopeptidase)
4	d2ve8a1	 Alignment		21.4	33	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: FtsK C-terminal domain-like
5	d2j5pa1	 Alignment		19.0	33	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: FtsK C-terminal domain-like
6	d2btva_	 Alignment		14.4	24	Fold: Reovirus inner layer core protein p3 Superfamily: Reovirus inner layer core protein p3 Family: Orbivirus core
7	c2btvB_	 Alignment		13.9	24	PDB header: virus Chain: B: PDB Molecule: protein (vp3 core protein); PDBTitle: atomic model for bluetongue virus (btv) core
8	d1pwka_	 Alignment		10.9	17	Fold: DLC Superfamily: DLC Family: DLC
9	d1a2za_	 Alignment		9.9	18	Fold: Phosphorylase/hydrolase-like Superfamily: Pyrrolidone carboxyl peptidase (pyroglutamate aminopeptidase) Family: Pyrrolidone carboxyl peptidase (pyroglutamate aminopeptidase)
10	d1n3ka_	 Alignment		9.8	56	Fold: DEATH domain Superfamily: DEATH domain Family: DEATH effector domain, DED
11	d1cmia_	 Alignment		9.2	20	Fold: DLC Superfamily: DLC Family: DLC

12	c2bbrA_	Alignment		8.2	44	PDB header: viral protein Chain: A: PDB Molecule: viral casp8 and fadd-like apoptosis regulator; PDBTitle: crystal structure of mc159 reveals molecular mechanism of2 disc assembly and vflip inhibition
13	c2ebjB_	Alignment		8.1	18	PDB header: hydrolase Chain: B: PDB Molecule: pyrrolidone carboxyl peptidase; PDBTitle: crystal structure of pyrrolidone carboxyl peptidase from thermus2 thermophilus
14	d1k0ma2	Alignment		7.4	27	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione S-transferase (GST), N-terminal domain
15	d3e2ba1	Alignment		7.4	20	Fold: DLC Superfamily: DLC Family: DLC
16	d1iofa_	Alignment		7.3	20	Fold: Phosphorylase/hydrolase-like Superfamily: Pyrrolidone carboxyl peptidase (pyroglutamate aminopeptidase) Family: Pyrrolidone carboxyl peptidase (pyroglutamate aminopeptidase)
17	c3t5qA_	Alignment		6.1	24	PDB header: viral protein/rna Chain: A: PDB Molecule: nucleoprotein; PDBTitle: 3a structure of lassa virus nucleoprotein in complex with ssrna
18	d1ogla_	Alignment		6.1	18	Fold: all-alpha NTP pyrophosphatases Superfamily: all-alpha NTP pyrophosphatases Family: Type II deoxyuridine triphosphatase
19	d1pi1a_	Alignment		6.0	40	Fold: Bromodomain-like Superfamily: Mob1/phocein Family: Mob1/phocein
20	d1uypa2	Alignment		5.9	43	Fold: 5-bladed beta-propeller Superfamily: Arabinanase/levansucrase/invertase Family: Glycosyl hydrolases family 32 N-terminal domain
21	d1qf8a_	Alignment	not modelled	5.9	33	Fold: Rubredoxin-like Superfamily: Casein kinase II beta subunit Family: Casein kinase II beta subunit
22	c3oakC_	Alignment	not modelled	5.9	13	PDB header: transcription Chain: C: PDB Molecule: transcription elongation factor spt6; PDBTitle: crystal structure of a spn1 (iws1)-spt6 complex
23	d1bg4a_	Alignment	not modelled	5.8	23	Fold: TIM beta/alpha-barrel Superfamily: (Trans)glycosidases Family: beta-glycanases
24	d2gf5a2	Alignment	not modelled	5.8	44	Fold: DEATH domain Superfamily: DEATH domain Family: DEATH effector domain, DED
25	c2bbzC_	Alignment	not modelled	5.7	44	PDB header: viral protein Chain: C: PDB Molecule: viral casp8 and fadd-like apoptosis regulator; PDBTitle: crystal structure of mc159 reveals molecular mechanism of2 disc assembly and vflip inhibition
26	c3mx2A_	Alignment	not modelled	5.5	22	PDB header: nuclear protein Chain: A: PDB Molecule: nucleoprotein; PDBTitle: lassa fever virus nucleoprotein complexed with dttp
27	c2xi1A_	Alignment	not modelled	5.4	36	PDB header: viral protein Chain: A: PDB Molecule: nef; PDBTitle: crystal structure of the hiv-1 nef sequenced from a patient's sample
28	c3kf5A_	Alignment	not modelled	5.4	71	PDB header: hydrolase Chain: A: PDB Molecule: invertase; PDBTitle: structure of invertase from schwanniomyces occidentalis
29	d1efnb_	Alignment	not modelled	5.3	45	Fold: Regulatory factor Nef Superfamily: Regulatory factor Nef

					Family: Regulatory factor Nef
30	c3ik5A_	Alignment	not modelled	5.2	45
				PDB header: viral protein/signaling protein Chain: A: PDB Molecule: protein nef; PDBTitle: sivmac239 nef in complex with tcr zeta itam 1 polypeptide2 (a63-r80)	