







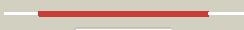








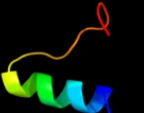

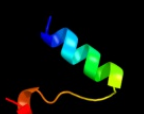


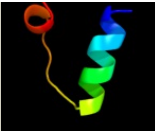
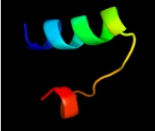






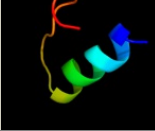


Phyre2

Email	I.a.kelley@imperial.ac.uk
Description	P45551
Date	Thu Jan 5 12:03:10 GMT 2012
Unique Job ID	b97bb67ef300a792

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	d1h99a1	 Alignment		99.9	8	Fold: PTS-regulatory domain, PRD Superfamily: PTS-regulatory domain, PRD Family: PTS-regulatory domain, PRD
2	d1h99a2	 Alignment		99.8	14	Fold: PTS-regulatory domain, PRD Superfamily: PTS-regulatory domain, PRD Family: PTS-regulatory domain, PRD
3	c3gwhB_	 Alignment		99.8	21	PDB header: transcription Chain: B: PDB Molecule: transcriptional antiterminator (bglg family); PDBTitle: crystallographic ab initio protein solution far below atomic2 resolution
4	c1h99A_	 Alignment		99.7	8	PDB header: transcriptional antiterminator Chain: A: PDB Molecule: transcription antiterminator lict; PDBTitle: prd of lict antiterminator from bacillus subtilis
5	c3sqnB_	 Alignment		98.7	7	PDB header: transcription regulator Chain: B: PDB Molecule: conserved domain protein; PDBTitle: putative mga family transcriptional regulator from enterococcus2 faecalis
6	c3nufB_	 Alignment		98.1	18	PDB header: transcription regulator Chain: B: PDB Molecule: prd-containing transcription regulator; PDBTitle: crystal structure of a prd-containing transcription regulator2 (lsei_2718) from lactobacillus casei atcc 334 at 1.38 a resolution
7	c2kciA_	 Alignment		57.3	14	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: putative acyl carrier protein; PDBTitle: solution nmr structure of gmet_2339 from geobacter2 metallireducens. northeast structural genomics consortium3 target gmr141
8	c2jq4A_	 Alignment		56.3	27	PDB header: structural genomics Chain: A: PDB Molecule: hypothetical protein atu2571; PDBTitle: complete resonance assignments and solution structure2 calculation of atc2521 (nesg id: att6) from agrobacterium3 tumefaciens
9	d2jq4a1	 Alignment		56.3	27	Fold: Acyl carrier protein-like Superfamily: ACP-like Family: Acyl-carrier protein (ACP)
10	c3lmoA_	 Alignment		55.9	9	PDB header: transferase Chain: A: PDB Molecule: specialized acyl carrier protein; PDBTitle: crystal structure of specialized acyl carrier protein2 (rpa2022) from rhodospseudomonas palustris, northeast3 structural genomics consortium target rpr324
11	c3id6A_	 Alignment		42.4	5	PDB header: transferase Chain: A: PDB Molecule: pre mrna splicing protein; PDBTitle: crystal structure of sulfolobus solfataricus nop5 (1-262) and2 fibrillar complex

12	c2l4bA_	Alignment		40.0	26	PDB header: transferase Chain: A: PDB Molecule: acyl carrier protein; PDBTitle: solution structure of a putative acyl carrier protein from anaplasma2 phagocytophilum. seattle structural genomics center for infectious3 disease target anpha.01018.a
13	c1x3oA_	Alignment		38.8	35	PDB header: lipid transport Chain: A: PDB Molecule: acyl carrier protein; PDBTitle: crystal structure of the acyl carrier protein from thermus2 thermophilus hb8
14	c2qnwA_	Alignment		38.7	18	PDB header: signaling protein Chain: A: PDB Molecule: acyl carrier protein; PDBTitle: toxoplasma gondii apicoplast-targeted acyl carrier protein
15	d1f80d_	Alignment		37.6	30	Fold: Acyl carrier protein-like Superfamily: ACP-like Family: Acyl-carrier protein (ACP)
16	c3ce7A_	Alignment		37.3	14	PDB header: biosynthetic protein Chain: A: PDB Molecule: specific mitochondrial acyl carrier protein; PDBTitle: crystal structure of toxoplasma specific mitochondrial acyl2 carrier protein, 59.m03510
17	c2ehtA_	Alignment		36.3	27	PDB header: lipid transport Chain: A: PDB Molecule: acyl carrier protein; PDBTitle: crystal structure of acyl carrier protein from aquifex aeolicus (form2 2)
18	c2fvfA_	Alignment		32.8	23	PDB header: biosynthetic protein Chain: A: PDB Molecule: acyl carrier protein; PDBTitle: structure of 10:0-acp (protein with docked fatty acid)
19	c3ejbC_	Alignment		32.3	30	PDB header: oxidoreductase/lipid transport Chain: C: PDB Molecule: acyl carrier protein; PDBTitle: crystal structure of p450biol in complex with tetradecanoic2 acid ligated acyl carrier protein
20	c2dnwA_	Alignment		31.9	18	PDB header: transport protein Chain: A: PDB Molecule: acyl carrier protein; PDBTitle: solution structure of rsgi ruh-059, an acp domain of acyl2 carrier protein, mitochondrial [precursor] from human cdna
21	c2fq2A_	Alignment	not modelled	30.1	18	PDB header: lipid transport Chain: A: PDB Molecule: acyl carrier protein; PDBTitle: solution structure of minor conformation of holo-acyl2 carrier protein from malaria parasite plasmodium falciparum
22	c2lkiA_	Alignment	not modelled	29.5	32	PDB header: lipid transport Chain: A: PDB Molecule: putative uncharacterized protein; PDBTitle: solution nmr structure of holo acyl carrier protein ne2163 from2 nitrosomonas europaea. northeast structural genomics consortium3 target net1.
23	c2cggA_	Alignment	not modelled	28.1	22	PDB header: protein transport Chain: A: PDB Molecule: acyl carrier protein acpa; PDBTitle: a putative acyl carrier protein(rv0033) from mycobacterium2 tuberculosis
24	c3id5E_	Alignment	not modelled	27.7	5	PDB header: transferase/ribosomal protein/rna Chain: E: PDB Molecule: pre mrna splicing protein; PDBTitle: crystal structure of sulfobolus solfataricus c/d rnp assembled with2 nop5, fibrillarin, l7ae and a split half c/d rna
25	c2cnrA_	Alignment	not modelled	26.7	9	PDB header: lipid transport Chain: A: PDB Molecule: acyl carrier protein; PDBTitle: structural studies on the interaction of scfas acp with2 acps
26	c2amwA_	Alignment	not modelled	25.6	32	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: hypothetical protein ne2163; PDBTitle: solution nmr structure of protein ne2163 from nitrosomonas europaea.2 northeast structural genomics consortium target net1.
27	c2kwlA_	Alignment	not modelled	25.4	18	PDB header: lipid binding protein Chain: A: PDB Molecule: acyl carrier protein; PDBTitle: solution structure of acyl carrier protein from borrelia burgdorferi
28	d1t8ka_	Alignment	not modelled	21.6	32	Fold: Acyl carrier protein-like Superfamily: ACP-like Family: Acyl-carrier protein (ACP)

29	d1klpa_	Alignment	not modelled	20.8	5	Fold: Acyl carrier protein-like Superfamily: ACP-like Family: Acyl-carrier protein (ACP)
30	d2pnga1	Alignment	not modelled	20.3	27	Fold: Acyl carrier protein-like Superfamily: ACP-like Family: Acyl-carrier protein (ACP)
31	d1nq4a_	Alignment	not modelled	20.1	4	Fold: Acyl carrier protein-like Superfamily: ACP-like Family: Acyl-carrier protein (ACP)
32	d1or5a_	Alignment	not modelled	19.5	17	Fold: Acyl carrier protein-like Superfamily: ACP-like Family: Acyl-carrier protein (ACP)
33	d1dv5a_	Alignment	not modelled	19.4	18	Fold: Acyl carrier protein-like Superfamily: ACP-like Family: apo-D-alanyl carrier protein
34	d1vkua_	Alignment	not modelled	18.8	32	Fold: Acyl carrier protein-like Superfamily: ACP-like Family: Acyl-carrier protein (ACP)
35	d1vlpa1	Alignment	not modelled	17.7	21	Fold: alpha/beta-Hammerhead Superfamily: Nicotinate/Quinolinate PRTase N-terminal domain-like Family: Monomeric nicotinate phosphoribosyltransferase N-terminal domain-like
36	d1ybea2	Alignment	not modelled	16.1	16	Fold: alpha/beta-Hammerhead Superfamily: Nicotinate/Quinolinate PRTase N-terminal domain-like Family: Monomeric nicotinate phosphoribosyltransferase N-terminal domain-like
37	d2af8a_	Alignment	not modelled	14.2	10	Fold: Acyl carrier protein-like Superfamily: ACP-like Family: Acyl-carrier protein (ACP)
38	c2l3vA_	Alignment	not modelled	14.1	21	PDB header: lipid binding protein Chain: A: PDB Molecule: acyl carrier protein; PDBTitle: nmr structure of acyl carrier protein from brucella melitensis
39	c1zxB_	Alignment	not modelled	12.7	22	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: hypothetical protein mg377 homolog; PDBTitle: crystal structure of the hyphetical mycoplasma protein,2 mpn555
40	d1d0qa_	Alignment	not modelled	11.9	16	Fold: Rubredoxin-like Superfamily: Zinc beta-ribbon Family: DNA primase zinc finger
41	c2kr5A_	Alignment	not modelled	11.2	8	PDB header: transport protein Chain: A: PDB Molecule: afatoxin biosynthesis polyketide synthase; PDBTitle: solution structure of an acyl carrier protein domain from fungal type2 i polyketide synthase
42	d1t3ta1	Alignment	not modelled	10.2	18	Fold: RuvA C-terminal domain-like Superfamily: FGAM synthase PurL, linker domain Family: FGAM synthase PurL, linker domain
43	d2prva1	Alignment	not modelled	9.0	7	Fold: SMI1/KNR4-like Superfamily: SMI1/KNR4-like Family: SMI1/KNR4-like
44	c3d9wA_	Alignment	not modelled	8.6	22	PDB header: transferase Chain: A: PDB Molecule: putative acetyltransferase; PDBTitle: crystal structure analysis of nocardia farcinica arylamine2 n-acetyltransferase
45	c3d5pB_	Alignment	not modelled	7.6	14	PDB header: gene regulation Chain: B: PDB Molecule: putative glucan synthesis regulator of smi1/knr4 family; PDBTitle: crystal structure of a putative glucan synthesis regulator of2 smi1/knr4 family (bf1740) from bacteroides fragilis nctc 9343 at 1.453 a resolution
46	d1e2ta_	Alignment	not modelled	7.2	35	Fold: Cysteine proteinases Superfamily: Cysteine proteinases Family: Arylamine N-acetyltransferase
47	d1w5ra1	Alignment	not modelled	6.1	10	Fold: Cysteine proteinases Superfamily: Cysteine proteinases Family: Arylamine N-acetyltransferase