



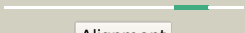
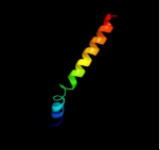



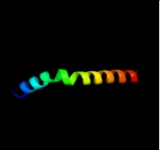



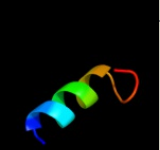
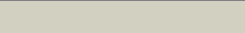
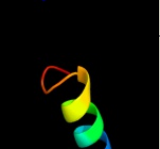

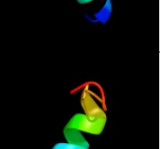
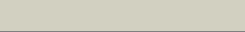
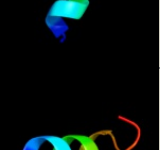

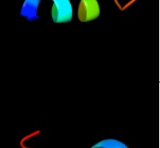

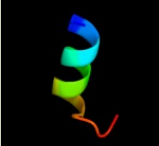
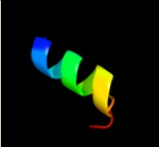
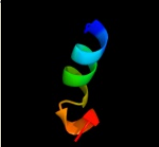


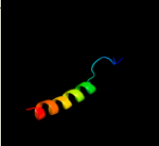




Phyre2

Email	l.a.kelley@imperial.ac.uk
Description	A2A3V2
Date	Wed Jul 10 14:16:38 BST 2013
Unique Job ID	4164983c15199da1

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	d1okca_	 Alignment		100.0	26	Fold: Mitochondrial carrier Superfamily: Mitochondrial carrier Family: Mitochondrial carrier
2	c2lckA_	 Alignment		100.0	23	PDB header: transport protein Chain: A: PDB Molecule: mitochondrial uncoupling protein 2; PDBTitle: structure of the mitochondrial uncoupling protein 2 determined by nmr2 molecular fragment replacement
3	d1bccg_	 Alignment		45.4	25	Fold: Single transmembrane helix Superfamily: Ubiquinone-binding protein QP-C of cytochrome bc1 complex (Ubiquinol-cytochrome c reductase) Family: Ubiquinone-binding protein QP-C of cytochrome bc1 complex (Ubiquinol-cytochrome c reductase)
4	c3cwbT_	 Alignment		44.6	15	PDB header: oxidoreductase Chain: T: PDB Molecule: mitochondrial ubiquinol-cytochrome c reductase ubiquinone- PDBTitle: chicken cytochrome bc1 complex inhibited by an iodinated analogue of2 the polyketide crocacin-d
5	d1ppjg_	 Alignment		33.5	18	Fold: Single transmembrane helix Superfamily: Ubiquinone-binding protein QP-C of cytochrome bc1 complex (Ubiquinol-cytochrome c reductase) Family: Ubiquinone-binding protein QP-C of cytochrome bc1 complex (Ubiquinol-cytochrome c reductase)
6	c2z2fA_	 Alignment		18.9	33	PDB header: hydrolase Chain: A: PDB Molecule: lysozyme c-2; PDBTitle: x-ray crystal structure of bovine stomach lysozyme
7	d1gd6a_	 Alignment		17.2	27	Fold: Lysozyme-like Superfamily: Lysozyme-like Family: C-type lysozyme
8	d1f6sa_	 Alignment		15.4	20	Fold: Lysozyme-like Superfamily: Lysozyme-like Family: C-type lysozyme
9	d1yroa1	 Alignment		15.2	20	Fold: Lysozyme-like Superfamily: Lysozyme-like Family: C-type lysozyme
10	d1fkqa_	 Alignment		14.7	20	Fold: Lysozyme-like Superfamily: Lysozyme-like Family: C-type lysozyme
11	d1alca_	 Alignment		14.0	20	Fold: Lysozyme-like Superfamily: Lysozyme-like Family: C-type lysozyme

12	d3cx5h1	Alignment		13.6	10	Fold: Single transmembrane helix Superfamily: Ubiquinone-binding protein QP-C of cytochrome bc1 complex (Ubiquinol-cytochrome c reductase) Family: Ubiquinone-binding protein QP-C of cytochrome bc1 complex (Ubiquinol-cytochrome c reductase)
13	d1iiza_	Alignment		12.2	20	Fold: Lysozyme-like Superfamily: Lysozyme-like Family: C-type lysozyme
14	c2fbdB_	Alignment		11.9	33	PDB header: hydrolase Chain: B: PDB Molecule: lysozyme 1; PDBTitle: the crystallographic structure of the digestive lysozyme 1 from musca2 domestica at 1.90 ang.
15	d1b9oa_	Alignment		10.7	18	Fold: Lysozyme-like Superfamily: Lysozyme-like Family: C-type lysozyme
16	d1ghla_	Alignment		9.8	27	Fold: Lysozyme-like Superfamily: Lysozyme-like Family: C-type lysozyme
17	d1hfxa_	Alignment		9.7	18	Fold: Lysozyme-like Superfamily: Lysozyme-like Family: C-type lysozyme
18	d2d7va1	Alignment		8.9	11	Fold: OsmC-like Superfamily: OsmC-like Family: Ohr/OsmC resistance proteins
19	d1lsga1	Alignment		8.7	27	Fold: Lysozyme-like Superfamily: Lysozyme-like Family: C-type lysozyme
20	d2osoal	Alignment		8.7	12	Fold: Ligand-binding domain in the NO signalling and Golgi transport Superfamily: Ligand-binding domain in the NO signalling and Golgi transport Family: MJ1460-like
21	d2vb1a1	Alignment	not modelled	8.6	27	Fold: Lysozyme-like Superfamily: Lysozyme-like Family: C-type lysozyme
22	d1hhla_	Alignment	not modelled	8.6	33	Fold: Lysozyme-like Superfamily: Lysozyme-like Family: C-type lysozyme
23	d1ivma_	Alignment	not modelled	8.1	27	Fold: Lysozyme-like Superfamily: Lysozyme-like Family: C-type lysozyme
24	d1qwia_	Alignment	not modelled	7.9	27	Fold: OsmC-like Superfamily: OsmC-like Family: Ohr/OsmC resistance proteins
25	c2acmA_	Alignment	not modelled	7.9	11	PDB header: structural protein Chain: A: PDB Molecule: mucin-1; PDBTitle: solution structure of the sea domain of human mucin 1 (muc1)
26	d1jsea_	Alignment	not modelled	7.5	20	Fold: Lysozyme-like Superfamily: Lysozyme-like Family: C-type lysozyme
27	d1juga_	Alignment	not modelled	7.3	20	Fold: Lysozyme-like Superfamily: Lysozyme-like Family: C-type lysozyme
28	c2goiC_	Alignment	not modelled	7.0	27	PDB header: cell adhesion, sugar binding protein Chain: C: PDB Molecule: sperm lysozyme-like protein 1; PDBTitle: crystal structure of mouse sperm c-type lysozyme-like protein 1
29	d2b0ja1	Alignment	not modelled	7.0	16	Fold: 6-phosphogluconate dehydrogenase C-terminal domain-like Superfamily: 6-phosphogluconate dehydrogenase C-terminal domain-like Family: HMD dimerization domain-like

30	d2nwdx1	Alignment	not modelled	6.9	27	Fold: Lysozyme-like Superfamily: Lysozyme-like Family: C-type lysozyme
31	d2eqla_	Alignment	not modelled	6.7	20	Fold: Lysozyme-like Superfamily: Lysozyme-like Family: C-type lysozyme
32	d1qqya_	Alignment	not modelled	6.3	27	Fold: Lysozyme-like Superfamily: Lysozyme-like Family: C-type lysozyme
33	c2qm6C_	Alignment	not modelled	6.0	35	PDB header: transferase Chain: C: PDB Molecule: gamma-glutamyltranspeptidase; PDBTitle: crystal structure of helicobacter pylori gamma-glutamyltranspeptidase2 in complex with glutamate
34	c2egtA_	Alignment	not modelled	6.0	10	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: hypothetical protein aq_1549; PDBTitle: crystal structure of hypothetical protein (aq1549) from aquifex2 aeolicus
35	d1nyed_	Alignment	not modelled	5.5	27	Fold: OsmC-like Superfamily: OsmC-like Family: Ohr/OsmC resistance proteins
36	d1lmqa_	Alignment	not modelled	5.5	20	Fold: Lysozyme-like Superfamily: Lysozyme-like Family: C-type lysozyme