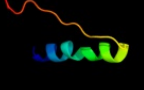
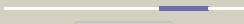
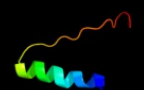
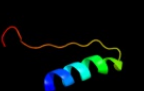
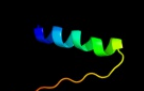
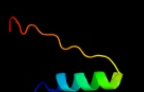


Phyre2

Email	I.a.kelley@imperial.ac.uk
Description	O13555
Date	Mon Jul 2 19:10:14 BST 2012
Unique Job ID	9531495f7b1372e2

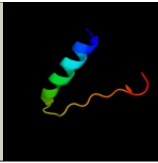
Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c4aoyD_	 Alignment		14.8	16	PDB header: oxidoreductase Chain: D: PDB Molecule: isocitrate dehydrogenase [nadp]; PDBTitle: open ctidh. the complex structures of isocitrate dehydrogenase from2 clostridium thermocellum and desulfotalea psychrophila, support a3 new active site locking mechanism
2	c3us8A_	 Alignment		12.2	17	PDB header: oxidoreductase Chain: A: PDB Molecule: isocitrate dehydrogenase [nadp]; PDBTitle: crystal structure of an isocitrate dehydrogenase from sinorhizobium2 meliloti 1021
3	c2uxqB_	 Alignment		10.8	14	PDB header: oxidoreductase Chain: B: PDB Molecule: isocitrate dehydrogenase native; PDBTitle: isocitrate dehydrogenase from the psychrophilic bacterium2 desulfotalea psychrophila: biochemical properties and3 crystal structure analysis
4	d1t0la_	 Alignment		10.5	24	Fold: Isocitrate/Isopropylmalate dehydrogenase-like Superfamily: Isocitrate/Isopropylmalate dehydrogenase-like Family: Dimeric isocitrate & isopropylmalate dehydrogenases
5	c2qfyE_	 Alignment		9.9	24	PDB header: oxidoreductase Chain: E: PDB Molecule: isocitrate dehydrogenase [nadp]; PDBTitle: crystal structure of saccharomyces cerevesiae mitochondrial nadp(+)-2 dependent isocitrate dehydrogenase in complex with a-ketoglutarate

6

dllwda_

Alignment



8.0

17

Fold: Isocitrate/isopropylmalate dehydrogenase-like

Superfamily: Isocitrate/isopropylmalate dehydrogenase-like

Family: Dimeric isocitrate & isopropylmalate dehydrogenases