










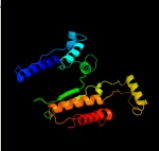

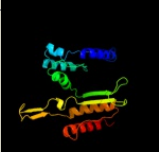



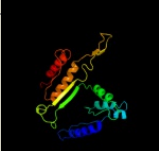

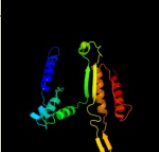














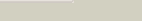

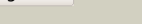
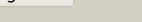
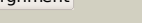
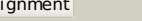






#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	dlpbl_a_	 Alignment		100.0	100	Fold: Isocitrate/Isopropylmalate dehydrogenase-like Superfamily: Isocitrate/Isopropylmalate dehydrogenase-like Family: Dimeric isocitrate & isopropylmalate dehydrogenases
2	c2d4vD_	 Alignment		100.0	69	PDB header: oxidoreductase Chain: D: PDB Molecule: isocitrate dehydrogenase; PDBTitle: crystal structure of nad dependent isocitrate dehydrogenase2 from acidithiobacillus thiooxidans
3	dlhqs_a_	 Alignment		100.0	71	Fold: Isocitrate/Isopropylmalate dehydrogenase-like Superfamily: Isocitrate/Isopropylmalate dehydrogenase-like Family: Dimeric isocitrate & isopropylmalate dehydrogenases
4	c2e0cA_	 Alignment		100.0	50	PDB header: oxidoreductase Chain: A: PDB Molecule: 409aa long hypothetical nadp-dependent isocitrate PDBTitle: crystal structure of isocitrate dehydrogenase from sulfolobus tokodaii2 strain7 at 2.0 a resolution
5	c2d1cB_	 Alignment		100.0	39	PDB header: oxidoreductase Chain: B: PDB Molecule: isocitrate dehydrogenase; PDBTitle: crystal structure of tt0538 protein from thermus thermophilus hb8
6	cltyoA_	 Alignment		100.0	54	PDB header: oxidoreductase Chain: A: PDB Molecule: isocitrate dehydrogenase; PDBTitle: isocitrate dehydrogenase from the hyperthermophile aeropyrum pernix in2 complex with etheno-nadp
7	dlw0da_	 Alignment		100.0	31	Fold: Isocitrate/Isopropylmalate dehydrogenase-like Superfamily: Isocitrate/Isopropylmalate dehydrogenase-like Family: Dimeric isocitrate & isopropylmalate dehydrogenases
8	c3fmxX_	 Alignment		100.0	23	PDB header: oxidoreductase Chain: X: PDB Molecule: tartrate dehydrogenase/decarboxylase; PDBTitle: crystal structure of tartrate dehydrogenase from pseudomonas2 putida complexed with nadh
9	dlcm7a_	 Alignment		100.0	23	Fold: Isocitrate/Isopropylmalate dehydrogenase-like Superfamily: Isocitrate/Isopropylmalate dehydrogenase-like Family: Dimeric isocitrate & isopropylmalate dehydrogenases
10	dlv53a1	 Alignment		100.0	25	Fold: Isocitrate/Isopropylmalate dehydrogenase-like Superfamily: Isocitrate/Isopropylmalate dehydrogenase-like Family: Dimeric isocitrate & isopropylmalate dehydrogenases
11	dlvlca_	 Alignment		100.0	27	Fold: Isocitrate/Isopropylmalate dehydrogenase-like Superfamily: Isocitrate/Isopropylmalate dehydrogenase-like Family: Dimeric isocitrate & isopropylmalate dehydrogenases

12	dlcnza_	Alignment		100.0	22	Fold: Isocitrate/Isopropylmalate dehydrogenase-like Superfamily: Isocitrate/Isopropylmalate dehydrogenase-like Family: Dimeric isocitrate & isopropylmalate dehydrogenases
13	dlg2ua_	Alignment		100.0	27	Fold: Isocitrate/Isopropylmalate dehydrogenase-like Superfamily: Isocitrate/Isopropylmalate dehydrogenase-like Family: Dimeric isocitrate & isopropylmalate dehydrogenases
14	clzorB_	Alignment		100.0	20	PDB header: oxidoreductase Chain: B: PDB Molecule: isocitrate dehydrogenase; PDBTitle: isocitrate dehydrogenase from the hyperthermophile thermotoga maritima
15	c3r8wC_	Alignment		100.0	22	PDB header: oxidoreductase Chain: C: PDB Molecule: 3-isopropylmalate dehydrogenase 2, chloroplastic; PDBTitle: structure of 3-isopropylmalate dehydrogenase isoform 2 from2 arabidopsis thaliana at 2.2 angstrom resolution
16	dlxaca_	Alignment		100.0	27	Fold: Isocitrate/Isopropylmalate dehydrogenase-like Superfamily: Isocitrate/Isopropylmalate dehydrogenase-like Family: Dimeric isocitrate & isopropylmalate dehydrogenases
17	dlwpwa_	Alignment		100.0	29	Fold: Isocitrate/Isopropylmalate dehydrogenase-like Superfamily: Isocitrate/Isopropylmalate dehydrogenase-like Family: Dimeric isocitrate & isopropylmalate dehydrogenases
18	clx0lB_	Alignment		100.0	30	PDB header: oxidoreductase Chain: B: PDB Molecule: homoisocitrate dehydrogenase; PDBTitle: crystal structure of tetrameric homoisocitrate dehydrogenase from an2 extreme thermophile, thermus thermophilus
19	c3u1hA_	Alignment		100.0	28	PDB header: oxidoreductase Chain: A: PDB Molecule: 3-isopropylmalate dehydrogenase; PDBTitle: crystal structure of ipmdh from the last common ancestor of bacillus
20	dla05a_	Alignment		100.0	25	Fold: Isocitrate/Isopropylmalate dehydrogenase-like Superfamily: Isocitrate/Isopropylmalate dehydrogenase-like Family: Dimeric isocitrate & isopropylmalate dehydrogenases
21	c2uxqB_	Alignment	not modelled	100.0	15	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
22	c3blxL_	Alignment	not modelled	100.0	33	PDB header: oxidoreductase Chain: L: PDB Molecule: isocitrate dehydrogenase [nad] subunit 2; PDBTitle: yeast isocitrate dehydrogenase (apo form)
23	c2qfyE_	Alignment	not modelled	100.0	15	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
24	c3us8A_	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: A: PDB Molecule: isocitrate dehydrogenase [nadp]; PDBTitle: crystal structure of an isocitrate dehydrogenase from sinorhizobium2 meliloti 1021
25	dl1wda_	Alignment	not modelled	100.0	16	Fold: Isocitrate/Isopropylmalate dehydrogenase-like Superfamily: Isocitrate/Isopropylmalate dehydrogenase-like Family: Dimeric isocitrate & isopropylmalate dehydrogenases
26	dl1t0a_	Alignment	not modelled	100.0	12	Fold: Isocitrate/Isopropylmalate dehydrogenase-like Superfamily: Isocitrate/Isopropylmalate dehydrogenase-like Family: Dimeric isocitrate & isopropylmalate dehydrogenases
27	c3blxM_	Alignment	not modelled	100.0	32	PDB header: oxidoreductase Chain: M: PDB Molecule: isocitrate dehydrogenase [nad] subunit 1; PDBTitle: yeast isocitrate dehydrogenase (apo form)
28	c2iv0A_	Alignment	not modelled	100.0	62	PDB header: oxidoreductase Chain: A: PDB Molecule: isocitrate dehydrogenase; PDBTitle: thermal stability of isocitrate dehydrogenase from2

						archaeoglobus fulgidus studied by crystal structure3 analysis and engineering of chimers
29	d1hioa_	 Alignment	not modelled	20.3	17	Fold: Histone-fold Superfamily: Histone-fold Family: Nucleosome core histones
30	d1f66c_	 Alignment	not modelled	17.1	14	Fold: Histone-fold Superfamily: Histone-fold Family: Nucleosome core histones
31	c1f66C_	 Alignment	not modelled	17.1	14	PDB header: structural protein/dna Chain: C: PDB Molecule: histone h2a.z; PDBTitle: 2.6 a crystal structure of a nucleosome core particle2 containing the variant histone h2a.z
32	d1tzya_	 Alignment	not modelled	16.8	12	Fold: Histone-fold Superfamily: Histone-fold Family: Nucleosome core histones
33	c2f8nK_	 Alignment	not modelled	16.8	13	PDB header: structural protein/dna Chain: K: PDB Molecule: histone h2a type 1; PDBTitle: 2.9 angstrom x-ray structure of hybrid macroh2a nucleosomes
34	d1n1ja_	 Alignment	not modelled	16.5	10	Fold: Histone-fold Superfamily: Histone-fold Family: TBP-associated factors, TAFs
35	d2pbea1	 Alignment	not modelled	15.9	5	Fold: PAP/OAS1 substrate-binding domain Superfamily: PAP/OAS1 substrate-binding domain Family: AadK C-terminal domain-like
36	d2ffea1	 Alignment	not modelled	15.9	17	Fold: CofD-like Superfamily: CofD-like Family: CofD-like
37	d2jssa1	 Alignment	not modelled	14.5	14	Fold: Histone-fold Superfamily: Histone-fold Family: Nucleosome core histones
38	d1aoiC_	 Alignment	not modelled	13.6	12	Fold: Histone-fold Superfamily: Histone-fold Family: Nucleosome core histones
39	d1n1jb_	 Alignment	not modelled	13.5	11	Fold: Histone-fold Superfamily: Histone-fold Family: TBP-associated factors, TAFs
40	d1u35c1	 Alignment	not modelled	13.1	17	Fold: Histone-fold Superfamily: Histone-fold Family: Nucleosome core histones
41	d1q77a_	 Alignment	not modelled	13.0	4	Fold: Adenine nucleotide alpha hydrolase-like Superfamily: Adenine nucleoti de alpha hydrolases-like Family: Universal stress protein-like
42	c2dumD_	 Alignment	not modelled	12.9	28	PDB header: structural genomics, unknown function Chain: D: PDB Molecule: hypothetical protein ph0823; PDBTitle: crystal structure of hypothetical protein, ph0823
43	c2p0yA_	 Alignment	not modelled	11.8	22	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: hypothetical protein lp_0780; PDBTitle: crystal structure of q88yi3_lacpl from lactobacillus2 plantarum. northeast structural genomics consortium target3 lpr6
44	c1yy3A_	 Alignment	not modelled	10.7	15	PDB header: isomerase Chain: A: PDB Molecule: s-adenosylmethionine:trna ribosyltransferase- PDBTitle: structure of s-adenosylmethionine:trna ribosyltransferase-2 isomerase (quea)
45	d1kx3c_	 Alignment	not modelled	10.6	13	Fold: Histone-fold Superfamily: Histone-fold Family: Nucleosome core histones
46	d1a7wa_	 Alignment	not modelled	10.6	13	Fold: Histone-fold Superfamily: Histone-fold Family: Archaeal histone
47	c3hgmD_	 Alignment	not modelled	10.3	4	PDB header: signaling protein Chain: D: PDB Molecule: universal stress protein tead; PDBTitle: universal stress protein tead from the trap transporter2 teaabc of halomonas elongata
48	c1v8cA_	 Alignment	not modelled	10.2	27	PDB header: protein binding Chain: A: PDB Molecule: moad related protein; PDBTitle: crystal structure of moad related protein from thermus2 thermophilus hb8
49	d1ku5a_	 Alignment	not modelled	10.1	20	Fold: Histone-fold Superfamily: Histone-fold Family: Archaeal histone
50	c3dwmA_	 Alignment	not modelled	9.5	15	PDB header: transferase Chain: A: PDB Molecule: 9.5 kda culture filtrate antigen cfp10a; PDBTitle: crystal structure of mycobacterium tuberculosis cyso, an antigen
51	c2jaxA_	 Alignment	not modelled	9.3	32	PDB header: protein binding Chain: A: PDB Molecule: hypothetical protein tb31.7; PDBTitle: universal stress protein rv2623 from mycobaterium2 tuberculosis
52	d1zcza1	 Alignment	not modelled	9.1	18	Fold: Methylglyoxal synthase-like Superfamily: Methylglyoxal synthase-like Family: Inosicase
53	d1htaa_	 Alignment	not modelled	8.7	13	Fold: Histone-fold Superfamily: Histone-fold Family: Archaeal histone
54	d1k6ka_	 Alignment	not modelled	8.4	19	Fold: Double Clp-N motif Superfamily: Double Clp-N motif Family: Double Clp-N motif
						Fold: Histone-fold

55	dls32d	Alignment	not modelled	8.4	24	Superfamily: Histone-fold Family: Nucleosome core histones
56	dli7na1	Alignment	not modelled	8.3	14	Fold: PreATP-grasp domain Superfamily: PreATP-grasp domain Family: Synapsin domain
57	d2bykb1	Alignment	not modelled	8.1	10	Fold: Histone-fold Superfamily: Histone-fold Family: TBP-associated factors, TAFs
58	c2bykB	Alignment	not modelled	8.1	10	PDB header: dna-binding protein Chain: B: PDB Molecule: chrac-14; PDBTitle: histone fold heterodimer of the chromatin accessibility2 complex
59	c3qd7X	Alignment	not modelled	8.1	22	PDB header: hydrolase Chain: X: PDB Molecule: uncharacterized protein ydal; PDBTitle: crystal structure of ydal, a stand-alone small muts-related protein2 from escherichia coli
60	d1tzyb	Alignment	not modelled	8.0	29	Fold: Histone-fold Superfamily: Histone-fold Family: Nucleosome core histones
61	c2pbeA	Alignment	not modelled	7.7	5	PDB header: transferase Chain: A: PDB Molecule: aminoglycoside 6-adenylyltransferase; PDBTitle: crystal structure of an aminoglycoside 6-adenyltransferase2 from bacillus subtilis
62	d1kx5c	Alignment	not modelled	7.7	12	Fold: Histone-fold Superfamily: Histone-fold Family: Nucleosome core histones
63	d1eqzb	Alignment	not modelled	7.5	24	Fold: Histone-fold Superfamily: Histone-fold Family: Nucleosome core histones
64	d2z3va1	Alignment	not modelled	7.4	28	Fold: Adenine nucleotide alpha hydrolase-like Superfamily: Adenine nucleotide alpha hydrolases-like Family: Universal stress protein-like
65	c2ppvA	Alignment	not modelled	7.1	17	PDB header: transferase Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of a protein belonging to the upf0052 (se_0549) from2 staphylococcus epidermidis atcc 12228 at 2.00 a resolution
66	c2q7xA	Alignment	not modelled	7.0	24	PDB header: transferase Chain: A: PDB Molecule: upf0052 protein sp_1565; PDBTitle: crystal structure of a putative phospho transferase (sp_1565) from2 streptococcus pneumoniae tigr4 at 2.00 a resolution
67	c3dl0C	Alignment	not modelled	6.9	18	PDB header: structural genomics, unknown function Chain: C: PDB Molecule: universal stress protein; PDBTitle: structure of universal stress protein from archaeoglobus fulgidus
68	d1ld3c	Alignment	not modelled	6.7	10	Fold: Histone-fold Superfamily: Histone-fold Family: Nucleosome core histones
69	d1kx5d	Alignment	not modelled	6.7	24	Fold: Histone-fold Superfamily: Histone-fold Family: Nucleosome core histones
70	d2hzba1	Alignment	not modelled	6.6	39	Fold: CofD-like Superfamily: CofD-like Family: CofD-like
71	d1jmva	Alignment	not modelled	6.6	22	Fold: Adenine nucleotide alpha hydrolase-like Superfamily: Adenine nucleotide alpha hydrolases-like Family: Universal stress protein-like
72	c2jssA	Alignment	not modelled	6.6	13	PDB header: chaperone/nuclear protein Chain: A: PDB Molecule: chimera of histone h2b.1 and histone h2a.z; PDBTitle: nmr structure of chaperone chz1 complexed with histone2 h2a.z-h2b
73	c2pfsA	Alignment	not modelled	6.3	17	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: universal stress protein; PDBTitle: crystal structure of universal stress protein from nitrosomonas2 europaea
74	d2z8la1	Alignment	not modelled	6.3	18	Fold: OB-fold Superfamily: Bacterial enterotoxins Family: Superantigen toxins, N-terminal domain
75	d2huec1	Alignment	not modelled	6.1	23	Fold: Histone-fold Superfamily: Histone-fold Family: Nucleosome core histones
76	d1eqza	Alignment	not modelled	6.0	12	Fold: Histone-fold Superfamily: Histone-fold Family: Nucleosome core histones
77	d1ld3d	Alignment	not modelled	5.7	19	Fold: Histone-fold Superfamily: Histone-fold Family: Nucleosome core histones
78	c3idfA	Alignment	not modelled	5.7	19	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: usp-like protein; PDBTitle: the crystal structure of a usp-like protein from wolinnella2 succinogenes to 2.0a
79	c3fh0A	Alignment	not modelled	5.5	18	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: putative universal stress protein kpn_01444; PDBTitle: crystal structure of putative universal stress protein kpn_01444 -2 atpase
80	c1urgA	Alignment	not modelled	5.5	10	PDB header: transport protein Chain: A: PDB Molecule: m-tomosyn isoform; PDBTitle: crystal structure of neuronal q-snares in complex with2 r-snare motif of tomosyn
						PDB header: structural genomics, unknown function

81	c3ca8B_	Alignment	not modelled	5.4	14	Chain: B: PDB Molecule: protein ydcf; PDBTitle: crystal structure of escherichia coli ydcf, an s-adenosyl-l-methionine2 utilizing enzyme
82	c3fh2A_	Alignment	not modelled	5.3	4	PDB header: hydrolase Chain: A: PDB Molecule: probable atp-dependent protease (heat shock protein); PDBTitle: the crystal structure of the probable atp-dependent protease (heat2 shock protein) from corynebacterium glutamicum
83	d2r61a1	Alignment	not modelled	5.2	20	Fold: OB-fold Superfamily: Bacterial enterotoxins Family: Superantigen toxins, N-terminal domain
84	c3fpvC_	Alignment	not modelled	5.1	28	PDB header: heme binding protein Chain: C: PDB Molecule: extracellular haem-binding protein; PDBTitle: crystal structure of hbps
85	d1bev1_	Alignment	not modelled	5.1	29	Fold: Nucleoplasmin-like/VP (viral coat and capsid proteins) Superfamily: Positive stranded ssRNA viruses Family: Picornaviridae-like VP (VP1, VP2, VP3 and VP4)