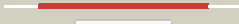



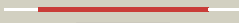







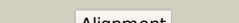




















Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD1240_(mdh)_1383219_1384208
Date	Wed Jul 31 22:05:33 BST 2019
Unique Job ID	0ec997bff437c926

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c4tvoB_	Alignment 		100.0	100	PDB header: oxidoreductase Chain: B: PDB Molecule: malate dehydrogenase; PDBTitle: structure of malate dehydrogenase from mycobacterium tuberculosis
2	c7mdhA_	Alignment 		100.0	50	PDB header: chloroplastic malate dehydrogenase Chain: A: PDB Molecule: protein (malate dehydrogenase); PDBTitle: structural basis for light acitvation of a chloroplast enzyme. the2 structure of sorghum nadp-malate dehydrogenase in its oxidized form
3	c5mdhB_	Alignment 		100.0	53	PDB header: oxidoreductase Chain: B: PDB Molecule: malate dehydrogenase; PDBTitle: crystal structure of ternary complex of porcine cytoplasmic malate2 dehydrogenase alpha-ketomalonate and tnad at 2.4 angstroms resolution
4	c6pblA_	Alignment 		100.0	56	PDB header: oxidoreductase Chain: A: PDB Molecule: malate dehydrogenase; PDBTitle: crystal structure of malate dehydrogenase from legionella pneumophila2 philadelphia 1
5	c1b8vA_	Alignment 		100.0	59	PDB header: oxidoreductase Chain: A: PDB Molecule: protein (malate dehydrogenase); PDBTitle: malate dehydrogenase from aquaspirillum arcticum
6	c1wziA_	Alignment 		100.0	63	PDB header: oxidoreductase Chain: A: PDB Molecule: malate dehydrogenase; PDBTitle: structural basis for alteration of cofactor specificity of malate2 dehydrogenase from thermus flavus
7	c5nufA_	Alignment 		100.0	52	PDB header: oxidoreductase Chain: A: PDB Molecule: malate dehydrogenase 1, cytoplasmic; PDBTitle: cytosolic malate dehydrogenase 1
8	c4uunA_	Alignment 		100.0	37	PDB header: oxidoreductase Chain: A: PDB Molecule: l-lactate dehydrogenase; PDBTitle: trichomonas vaginalis lactate dehydrogenase in complex with nadh
9	c4h7pA_	Alignment 		100.0	55	PDB header: oxidoreductase Chain: A: PDB Molecule: malate dehydrogenase; PDBTitle: crystal structure of a putative cytosolic malate dehydrogenase from2 leishmania major friedlin
10	c4uupB_	Alignment 		100.0	50	PDB header: oxidoreductase Chain: B: PDB Molecule: malate dehydrogenase; PDBTitle: reconstructed ancestral trichomonad malate dehydrogenase in2 complex with nadh, so4, and po4
11	c1hygA_	Alignment 		100.0	22	PDB header: oxidoreductase Chain: A: PDB Molecule: l-lactate/malate dehydrogenase; PDBTitle: crystal structure of mj0490 gene product, the family of2 lactate/malate dehydrogenase

12	c8ldhA_	Alignment		100.0	16	PDB header: oxidoreductase Chain: A: PDB Molecule: m4 apo-lactate dehydrogenase; PDBTitle: refined crystal structure of dogfish m4 apo-lactate dehydrogenase
13	c3fi9B_	Alignment		100.0	26	PDB header: oxidoreductase Chain: B: PDB Molecule: malate dehydrogenase; PDBTitle: crystal structure of malate dehydrogenase from porphyromonas2 gingivalis
14	c6qssA_	Alignment		100.0	16	PDB header: oxidoreductase Chain: A: PDB Molecule: malate dehydrogenase; PDBTitle: crystal structure of ignicoccus islandicus malate dehydrogenase co-2 crystallized with 10 mm tb-xo4
15	c6or9B_	Alignment		100.0	19	PDB header: oxidoreductase Chain: B: PDB Molecule: l-lactate dehydrogenase; PDBTitle: structure of l-lactate dehydrogenase from trichoplusia ni
16	c1lldA_	Alignment		100.0	21	PDB header: oxidoreductase Chain: A: PDB Molecule: l-lactate dehydrogenase; PDBTitle: molecular basis of allosteric activation of bacterial l-lactate2 dehydrogenase
17	c1ojuA_	Alignment		100.0	21	PDB header: oxidoreductase Chain: A: PDB Molecule: malate dehydrogenase; PDBTitle: 2.8 a resolution structure of malate dehydrogenase from2 archaeoglobus fulgidus in complex with etheno-nad.
18	c4q3nA_	Alignment		100.0	19	PDB header: hydrolase Chain: A: PDB Molecule: mgs-m5; PDBTitle: crystal structure of mgs-m5, a lactate dehydrogenase enzyme from a2 medee basin deep-sea metagenome library
19	c4plcA_	Alignment		100.0	21	PDB header: oxidoreductase Chain: A: PDB Molecule: lactate dehydrogenase; PDBTitle: crystal structure of ancestral apicomplexan lactate dehydrogenase with2 malate.
20	c3nepX_	Alignment		100.0	21	PDB header: oxidoreductase Chain: X: PDB Molecule: malate dehydrogenase; PDBTitle: 1.55a resolution structure of malate dehydrogenase from salinibacter2 ruber
21	c1ez4B_	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: B: PDB Molecule: lactate dehydrogenase; PDBTitle: crystal structure of non-allosteric l-lactate dehydrogenase2 from lactobacillus pentosus at 2.3 angstrom resolution
22	c2d4aC_	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: C: PDB Molecule: malate dehydrogenase; PDBTitle: structure of the malate dehydrogenase from aeropyrum pernix
23	c1hyhA_	Alignment	not modelled	100.0	13	PDB header: oxidoreductase (choh(d)-nad+(a)) Chain: A: PDB Molecule: l-2-hydroxyisocaproate dehydrogenase; PDBTitle: crystal structure of l-2-hydroxyisocaproate dehydrogenase from2 lactobacillus confusus at 2.2 angstroms resolution-an example of3 strong asymmetry between subunits
24	c4ln1B_	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: B: PDB Molecule: l-lactate dehydrogenase 1; PDBTitle: crystal structure of l-lactate dehydrogenase from bacillus cereus atcc2 14579 complexed with calcium, nysgrc target 029452
25	c4m1qB_	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: B: PDB Molecule: l-lactate dehydrogenase; PDBTitle: crystal structure of l-lactate dehydrogenase from bacillus2 selenitireducens mls10, nysgrc target 029814.
26	c1a5zA_	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: A: PDB Molecule: l-lactate dehydrogenase; PDBTitle: lactate dehydrogenase from thermotoga maritima (tmldh)
27	c1pzfD_	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: D: PDB Molecule: lactate dehydrogenase; PDBTitle: t.gondii ldh1 ternary complex with apad+ and oxalate
28	c3d0aA_	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A: PDB Molecule: l-lactate dehydrogenase 1; PDBTitle: crystal structure of lactate dehydrogenase from

					staphylococcus aureus
29	c2e37B_	Alignment	not modelled	100.0	20 PDB header: oxidoreductase Chain: B: PDB Molecule: l-lactate dehydrogenase; PDBTitle: structure of tt0471 protein from thermus thermophilus
30	c3tl2A_	Alignment	not modelled	100.0	18 PDB header: oxidoreductase Chain: A: PDB Molecule: malate dehydrogenase; PDBTitle: crystal structure of bacillus anthracis str. ames malate dehydrogenase2 in closed conformation.
31	c2ldxA_	Alignment	not modelled	100.0	20 PDB header: oxidoreductase(choh(d)-nad(a)) Chain: A: PDB Molecule: apo-lactate dehydrogenase; PDBTitle: characterization of the antigenic sites on the refined 3-2 angstroms resolution structure of mouse testicular lactate3 dehydrogenase c4
32	c1y6jA_	Alignment	not modelled	100.0	22 PDB header: oxidoreductase Chain: A: PDB Molecule: l-lactate dehydrogenase; PDBTitle: l-lactate dehydrogenase from clostridium thermocellum cth-1135
33	c1gv1D_	Alignment	not modelled	100.0	21 PDB header: oxidoreductase Chain: D: PDB Molecule: malate dehydrogenase; PDBTitle: structural basis for thermophilic protein stability:2 structures of thermophilic and mesophilic malate3 dehydrogenases
34	c6ct6B_	Alignment	not modelled	100.0	19 PDB header: oxidoreductase Chain: B: PDB Molecule: lactate dehydrogenase; PDBTitle: crystal structure of lactate dehydrogenase from eimeria maxima with2 nadh and oxamate
35	c2v65A_	Alignment	not modelled	100.0	19 PDB header: oxidoreductase Chain: A: PDB Molecule: l-lactate dehydrogenase a chain; PDBTitle: apo ldh from the psychrophile c. gunnari
36	c3dl2A_	Alignment	not modelled	100.0	17 PDB header: structural genomics, unknown function Chain: A: PDB Molecule: ubiquitin-conjugating enzyme e2 variant 3; PDBTitle: hexagonal structure of the ldh domain of human ubiquitin-2 conjugating enzyme e2-like isoform a
37	c5nfrl_	Alignment	not modelled	100.0	21 PDB header: oxidoreductase Chain: I: PDB Molecule: malate dehydrogenase; PDBTitle: crystal structure of malate dehydrogenase from plasmodium falciparum2 (pfmdh)
38	c2fnzA_	Alignment	not modelled	100.0	17 PDB header: oxidoreductase Chain: A: PDB Molecule: lactate dehydrogenase; PDBTitle: crystal structure of the lactate dehydrogenase from cryptosporidium2 parvum complexed with cofactor (b-nicotinamide adenine dinucleotide)3 and inhibitor (oxamic acid)
39	c1ur5C_	Alignment	not modelled	100.0	20 PDB header: oxidoreductase Chain: C: PDB Molecule: malate dehydrogenase; PDBTitle: stabilization of a tetrameric malate dehydrogenase by introduction of2 a disulfide bridge at the dimer/dimer interface
40	c3p7mC_	Alignment	not modelled	100.0	22 PDB header: oxidoreductase Chain: C: PDB Molecule: malate dehydrogenase; PDBTitle: structure of putative lactate dehydrogenase from francisella2 tularensis subsp. tularensis schu s4
41	c1mldA_	Alignment	not modelled	100.0	22 PDB header: oxidoreductase(nad(a)-choh(d)) Chain: A: PDB Molecule: malate dehydrogenase; PDBTitle: refined structure of mitochondrial malate dehydrogenase2 from porcine heart and the consensus structure for3 dicarboxylic acid oxidoreductases
42	c2hjrK_	Alignment	not modelled	100.0	19 PDB header: oxidoreductase Chain: K: PDB Molecule: malate dehydrogenase; PDBTitle: crystal structure of cryptosporidium parvum malate2 dehydrogenase
43	c1u4sA_	Alignment	not modelled	100.0	17 PDB header: oxidoreductase Chain: A: PDB Molecule: l-lactate dehydrogenase; PDBTitle: plasmodium falciparum lactate dehydrogenase complexed with 2,6-2 naphthalenedisulphonic acid
44	c6h9sA_	Alignment	not modelled	100.0	17 PDB header: oxidoreductase Chain: A: PDB Molecule: l-lactate dehydrogenase; PDBTitle: crystal dimeric structure of petrotoga mobilis lactate dehydrogenase2 with nadh
45	c2pwzG_	Alignment	not modelled	100.0	24 PDB header: oxidoreductase Chain: G: PDB Molecule: malate dehydrogenase; PDBTitle: crystal structure of the apo form of e.coli malate dehydrogenase
46	c2dfdD_	Alignment	not modelled	100.0	21 PDB header: oxidoreductase Chain: D: PDB Molecule: malate dehydrogenase; PDBTitle: crystal structure of human malate dehydrogenase type 2
47	c1smkD_	Alignment	not modelled	100.0	22 PDB header: oxidoreductase Chain: D: PDB Molecule: malate dehydrogenase, glyoxysomal; PDBTitle: mature and translocatable forms of glyoxysomal malate2 dehydrogenase have different activities and stabilities3 but similar crystal structures
48	c1sevA_	Alignment	not modelled	100.0	22 PDB header: oxidoreductase Chain: A: PDB Molecule: malate dehydrogenase, glyoxysomal precursor; PDBTitle: mature and translocatable forms of glyoxysomal malate2 dehydrogenase have different activities and stabilities3 but similar crystal structures
49	c3wsvC_	Alignment	not modelled	100.0	20 PDB header: oxidoreductase Chain: C: PDB Molecule: l-lactate dehydrogenase; PDBTitle: crystal structure of minor l-lactate dehydrogenase from enterococcus2 mundtii in the ligands-unbound form
50	c3pqeD_	Alignment	not modelled	100.0	24 PDB header: oxidoreductase Chain: D: PDB Molecule: l-lactate dehydrogenase; PDBTitle: crystal structure of l-lactate dehydrogenase from bacillus subtilis2 with h171c mutation
51	c1ldbA_	Alignment	not modelled	100.0	21 PDB header: oxidoreductase(choh(d)-nad(a)) Chain: A: PDB Molecule: apo-l-lactate dehydrogenase; PDBTitle: structure determination and refinement of bacillus2 stearothermophilus lactate dehydrogenase
52	c6ihdA_	Alignment	not modelled	100.0	20 PDB header: oxidoreductase Chain: A: PDB Molecule: malate dehydrogenase; PDBTitle: crystal structure of malate dehydrogenase from metallosphaera sedula
					PDB header: oxidoreductase

53	c4bgvB_	Alignment	not modelled	100.0	20	Chain: B: PDB Molecule: malate dehydrogenase; PDBTitle: 1.8 a resolution structure of the malate dehydrogenase from <i>2 picrophilus torridus</i> in its apo form
54	c1lcA_	Alignment	not modelled	100.0	20	PDB header: oxidoreductase(choh(d)-nad(a)) Chain: A: PDB Molecule: l-lactate dehydrogenase; PDBTitle: structure determination of the allosteric l-lactate dehydrogenase from <i>2 lactobacillus casei</i> at 3.0 angstroms resolution
55	c2v6bB_	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: B: PDB Molecule: l-lactate dehydrogenase; PDBTitle: crystal structure of lactate dehydrogenase from <i>deinococcus2 radiodurans</i> (apo form)
56	c3gviB_	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: B: PDB Molecule: malate dehydrogenase; PDBTitle: crystal structure of lactate/malate dehydrogenase from <i>2 brucella melitensis</i> in complex with adp
57	c5zi3A_	Alignment	not modelled	100.0	24	PDB header: oxidoreductase Chain: A: PDB Molecule: malate dehydrogenase; PDBTitle: mdh3 wild type, apo-form
58	c2hlpB_	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: B: PDB Molecule: malate dehydrogenase; PDBTitle: crystal structure of the e267r mutant of a halophilic <i>2 malate dehydrogenase</i> in the apo form
59	d1y7ta2	Alignment	not modelled	100.0	64	Fold: LDH C-terminal domain-like Superfamily: LDH C-terminal domain-like Family: Lactate & malate dehydrogenases, C-terminal domain
60	d1civa2	Alignment	not modelled	100.0	41	Fold: LDH C-terminal domain-like Superfamily: LDH C-terminal domain-like Family: Lactate & malate dehydrogenases, C-terminal domain
61	d7mdha2	Alignment	not modelled	100.0	43	Fold: LDH C-terminal domain-like Superfamily: LDH C-terminal domain-like Family: Lactate & malate dehydrogenases, C-terminal domain
62	d1b8pa2	Alignment	not modelled	100.0	57	Fold: LDH C-terminal domain-like Superfamily: LDH C-terminal domain-like Family: Lactate & malate dehydrogenases, C-terminal domain
63	d5mdha2	Alignment	not modelled	100.0	54	Fold: LDH C-terminal domain-like Superfamily: LDH C-terminal domain-like Family: Lactate & malate dehydrogenases, C-terminal domain
64	c3fefB_	Alignment	not modelled	100.0	11	PDB header: hydrolase Chain: B: PDB Molecule: putative glucosidase lpld, alpha-galacturonidase; PDBTitle: crystal structure of putative glucosidase lpld from <i>bacillus subtilis</i>
65	d1civa1	Alignment	not modelled	100.0	59	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: LDH N-terminal domain-like
66	d5mdha1	Alignment	not modelled	100.0	53	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: LDH N-terminal domain-like
67	d9ldta2	Alignment	not modelled	100.0	15	Fold: LDH C-terminal domain-like Superfamily: LDH C-terminal domain-like Family: Lactate & malate dehydrogenases, C-terminal domain
68	d7mdha1	Alignment	not modelled	100.0	58	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: LDH N-terminal domain-like
69	d1i0za2	Alignment	not modelled	100.0	18	Fold: LDH C-terminal domain-like Superfamily: LDH C-terminal domain-like Family: Lactate & malate dehydrogenases, C-terminal domain
70	d1b8pa1	Alignment	not modelled	100.0	61	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: LDH N-terminal domain-like
71	d1i10a2	Alignment	not modelled	100.0	16	Fold: LDH C-terminal domain-like Superfamily: LDH C-terminal domain-like Family: Lactate & malate dehydrogenases, C-terminal domain
72	d1y7ta1	Alignment	not modelled	100.0	64	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: LDH N-terminal domain-like
73	d1pzga2	Alignment	not modelled	100.0	21	Fold: LDH C-terminal domain-like Superfamily: LDH C-terminal domain-like Family: Lactate & malate dehydrogenases, C-terminal domain
74	d1oc4a2	Alignment	not modelled	100.0	18	Fold: LDH C-terminal domain-like Superfamily: LDH C-terminal domain-like Family: Lactate & malate dehydrogenases, C-terminal domain
75	d1a5za2	Alignment	not modelled	100.0	21	Fold: LDH C-terminal domain-like Superfamily: LDH C-terminal domain-like Family: Lactate & malate dehydrogenases, C-terminal domain
76	d1llda2	Alignment	not modelled	100.0	18	Fold: LDH C-terminal domain-like Superfamily: LDH C-terminal domain-like Family: Lactate & malate dehydrogenases, C-terminal domain
77	d1ldma2	Alignment	not modelled	100.0	14	Fold: LDH C-terminal domain-like Superfamily: LDH C-terminal domain-like Family: Lactate & malate dehydrogenases, C-terminal domain
78	c1up6F_	Alignment	not modelled	100.0	16	PDB header: hydrolase Chain: F: PDB Molecule: 6-phospho-beta-glucosidase; PDBTitle: structure of the 6-phospho-beta glucosidase from <i>thermotoga2 maritima</i> at 2.55 angstrom resolution in the tetragonal form <i>3</i> with manganese, nad+ and glucose-6-phosphate
79	c1s6yA_	Alignment	not modelled	100.0	12	PDB header: hydrolase Chain: A: PDB Molecule: 6-phospho-beta-glucosidase; PDBTitle: 2.3a crystal structure of phospho-beta-glucosidase

80	d1dna2	Alignment	not modelled	100.0	19	Fold: LDH C-terminal domain-like Superfamily: LDH C-terminal domain-like Family: Lactate & malate dehydrogenases, C-terminal domain
81	d1ez4a2	Alignment	not modelled	100.0	16	Fold: LDH C-terminal domain-like Superfamily: LDH C-terminal domain-like Family: Lactate & malate dehydrogenases, C-terminal domain
82	d1gv0a2	Alignment	not modelled	100.0	22	Fold: LDH C-terminal domain-like Superfamily: LDH C-terminal domain-like Family: Lactate & malate dehydrogenases, C-terminal domain
83	d1t2da2	Alignment	not modelled	100.0	19	Fold: LDH C-terminal domain-like Superfamily: LDH C-terminal domain-like Family: Lactate & malate dehydrogenases, C-terminal domain
84	d2ldxa2	Alignment	not modelled	100.0	19	Fold: LDH C-terminal domain-like Superfamily: LDH C-terminal domain-like Family: Lactate & malate dehydrogenases, C-terminal domain
85	d1guza2	Alignment	not modelled	100.0	21	Fold: LDH C-terminal domain-like Superfamily: LDH C-terminal domain-like Family: Lactate & malate dehydrogenases, C-terminal domain
86	d1uxja2	Alignment	not modelled	100.0	19	Fold: LDH C-terminal domain-like Superfamily: LDH C-terminal domain-like Family: Lactate & malate dehydrogenases, C-terminal domain
87	d1y6ja2	Alignment	not modelled	100.0	23	Fold: LDH C-terminal domain-like Superfamily: LDH C-terminal domain-like Family: Lactate & malate dehydrogenases, C-terminal domain
88	d1o6za2	Alignment	not modelled	100.0	17	Fold: LDH C-terminal domain-like Superfamily: LDH C-terminal domain-like Family: Lactate & malate dehydrogenases, C-terminal domain
89	d1hyea2	Alignment	not modelled	100.0	21	Fold: LDH C-terminal domain-like Superfamily: LDH C-terminal domain-like Family: Lactate & malate dehydrogenases, C-terminal domain
90	d1hyha2	Alignment	not modelled	100.0	15	Fold: LDH C-terminal domain-like Superfamily: LDH C-terminal domain-like Family: Lactate & malate dehydrogenases, C-terminal domain
91	d1llca2	Alignment	not modelled	100.0	22	Fold: LDH C-terminal domain-like Superfamily: LDH C-terminal domain-like Family: Lactate & malate dehydrogenases, C-terminal domain
92	d1ojua2	Alignment	not modelled	100.0	19	Fold: LDH C-terminal domain-like Superfamily: LDH C-terminal domain-like Family: Lactate & malate dehydrogenases, C-terminal domain
93	c1u8xX_	Alignment	not modelled	100.0	12	PDB header: hydrolase Chain: X: PDB Molecule: maltose-6'-phosphate glucosidase; PDBTitle: crystal structure of glva from bacillus subtilis, a metal-requiring, 2 nad-dependent 6-phospho-alpha-glucosidase
94	d1mlda2	Alignment	not modelled	100.0	20	Fold: LDH C-terminal domain-like Superfamily: LDH C-terminal domain-like Family: Lactate & malate dehydrogenases, C-terminal domain
95	d1o6za1	Alignment	not modelled	100.0	20	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: LDH N-terminal domain-like
96	d2cmda2	Alignment	not modelled	100.0	18	Fold: LDH C-terminal domain-like Superfamily: LDH C-terminal domain-like Family: Lactate & malate dehydrogenases, C-terminal domain
97	d1i0za1	Alignment	not modelled	100.0	18	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: LDH N-terminal domain-like
98	d1ldma1	Alignment	not modelled	100.0	20	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: LDH N-terminal domain-like
99	d1i10a1	Alignment	not modelled	100.0	17	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: LDH N-terminal domain-like
100	d2cmda1	Alignment	not modelled	100.0	30	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: LDH N-terminal domain-like
101	d5ldha1	Alignment	not modelled	100.0	18	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: LDH N-terminal domain-like
102	d1llda1	Alignment	not modelled	100.0	24	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: LDH N-terminal domain-like
103	d2ldxa1	Alignment	not modelled	100.0	20	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: LDH N-terminal domain-like
104	d9ldta1	Alignment	not modelled	100.0	17	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: LDH N-terminal domain-like
105	d1u8xx1	Alignment	not modelled	100.0	13	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: LDH N-terminal domain-like
106	c1obbB_	Alignment	not modelled	100.0	15	PDB header: hydrolase Chain: B: PDB Molecule: alpha-glucosidase; PDBTitle: alpha-glucosidase a, agla, from thermotoga maritima in complex with 2 maltose and nad+
107	d1ojua1	Alignment	not modelled	100.0	24	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: LDH N-terminal domain-like

108	d1a5za1	Alignment	not modelled	100.0	22	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: LDH N-terminal domain-like
109	d1ldna1	Alignment	not modelled	100.0	21	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: LDH N-terminal domain-like
110	d1s6ya1	Alignment	not modelled	100.0	18	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: LDH N-terminal domain-like
111	d1guza1	Alignment	not modelled	99.9	25	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: LDH N-terminal domain-like
112	d1hyha1	Alignment	not modelled	99.9	11	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: LDH N-terminal domain-like
113	d1obba1	Alignment	not modelled	99.9	13	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: LDH N-terminal domain-like
114	d1up7a1	Alignment	not modelled	99.9	15	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: LDH N-terminal domain-like
115	d1t2da1	Alignment	not modelled	99.9	18	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: LDH N-terminal domain-like
116	d1hyea1	Alignment	not modelled	99.9	24	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: LDH N-terminal domain-like
117	d1pzga1	Alignment	not modelled	99.9	19	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: LDH N-terminal domain-like
118	d1llca1	Alignment	not modelled	99.9	18	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: LDH N-terminal domain-like
119	d1y6ja1	Alignment	not modelled	99.9	22	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: LDH N-terminal domain-like
120	d1gv0a1	Alignment	not modelled	99.9	24	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: LDH N-terminal domain-like