














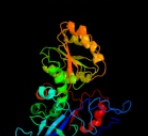

















#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c3krtC_	 Alignment		100.0	17	PDB header: oxidoreductase Chain: C: PDB Molecule: crotonyl coa reductase; PDBTitle: crystal structure of putative crotonyl coa reductase from streptomyces2 coelicolor a3(2)
2	c4a10A_	 Alignment		100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: octenoyl-coa reductase/carboxylase; PDBTitle: apo-structure of 2-octenoyl-coa carboxylase reductase cinf from2 streptomyces sp.
3	c3uogB_	 Alignment		100.0	22	PDB header: oxidoreductase Chain: B: PDB Molecule: alcohol dehydrogenase; PDBTitle: crystal structure of putative alcohol dehydrogenase from sinorhizobium2 meliloti 1021
4	c2dphA_	 Alignment		100.0	20	PDB header: oxidoreductase Chain: A: PDB Molecule: formaldehyde dismutase; PDBTitle: crystal structure of formaldehyde dismutase
5	c1kolA_	 Alignment		100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: formaldehyde dehydrogenase; PDBTitle: crystal structure of formaldehyde dehydrogenase
6	c1ma0B_	 Alignment		100.0	18	PDB header: oxidoreductase Chain: B: PDB Molecule: glutathione-dependent formaldehyde dehydrogenase; PDBTitle: ternary complex of human glutathione-dependent formaldehyde2 dehydrogenase with nad+ and dodecanoic acid
7	c1hf3A_	 Alignment		100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: alcohol dehydrogenase e chain; PDBTitle: atomic x-ray structure of liver alcohol dehydrogenase2 containing cadmium and a hydroxide adduct to nadh
8	c3ip1C_	 Alignment		100.0	18	PDB header: oxidoreductase Chain: C: PDB Molecule: alcohol dehydrogenase, zinc-containing; PDBTitle: structure of putative alcohol dehydrogenase (tm_042) from thermotoga2 maritima
9	c1pl6A_	 Alignment		100.0	20	PDB header: oxidoreductase Chain: A: PDB Molecule: sorbitol dehydrogenase; PDBTitle: human sdh/nadh/i inhibitor complex
10	c2dfvB_	 Alignment		100.0	20	PDB header: oxidoreductase Chain: B: PDB Molecule: probable l-threonine 3-dehydrogenase; PDBTitle: hyperthermophilic threonine dehydrogenase from pyrococcus horikoshii
11	c1cdoB_	 Alignment		100.0	17	PDB header: oxidoreductase (ch-oh(d)-nad(a)) Chain: B: PDB Molecule: alcohol dehydrogenase; PDBTitle: alcohol dehydrogenase (e.c.1.1.1.1) (ee isozyme) complexed with2 nicotinamide adenine dinucleotide (nad), and zinc

12	c3cosD_	Alignment		100.0	18	PDB header: oxidoreductase Chain: D: PDB Molecule: alcohol dehydrogenase 4; PDBTitle: crystal structure of human class ii alcohol dehydrogenase (adh4) in2 complex with nad and zn
13	c1vj0B_	Alignment		100.0	18	PDB header: oxidoreductase Chain: B: PDB Molecule: alcohol dehydrogenase, zinc-containing; PDBTitle: crystal structure of alcohol dehydrogenase (tm0436) from thermotoga2 maritima at 2.00 a resolution
14	c2cdaA_	Alignment		100.0	15	PDB header: oxidoreductase Chain: A: PDB Molecule: glucose dehydrogenase; PDBTitle: sulfolobus solfataricus glucose dehydrogenase 1 in complex2 with nadp
15	c1p0fA_	Alignment		100.0	17	PDB header: oxidoreductase Chain: A: PDB Molecule: nadp-dependent alcohol dehydrogenase; PDBTitle: crystal structure of the binary complex: nadp(h)-dependent vertebrate2 alcohol dehydrogenase (adh8) with the cofactor nadp
16	c3iupB_	Alignment		100.0	13	PDB header: oxidoreductase Chain: B: PDB Molecule: putative nadph:quinone oxidoreductase; PDBTitle: crystal structure of putative nadph:quinone oxidoreductase2 (yp_296108.1) from ralstonia eutropha jmp134 at 1.70 a resolution
17	c1f8fA_	Alignment		100.0	21	PDB header: oxidoreductase Chain: A: PDB Molecule: benzyl alcohol dehydrogenase; PDBTitle: crystal structure of benzyl alcohol dehydrogenase from acinetobacter2 calcoaceticus
18	c2vwpA_	Alignment		100.0	17	PDB header: oxidoreductase Chain: A: PDB Molecule: glucose dehydrogenase; PDBTitle: haloferax mediterranei glucose dehydrogenase in complex2 with nadph and zn.
19	c1h2bA_	Alignment		100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: alcohol dehydrogenase; PDBTitle: crystal structure of the alcohol dehydrogenase from the2 hyperthermophilic archaeon aeropyrum pernix at 1.65a3 resolution
20	c1kevB_	Alignment		100.0	19	PDB header: oxidoreductase Chain: B: PDB Molecule: nadp-dependent alcohol dehydrogenase; PDBTitle: structure of nadp-dependent alcohol dehydrogenase
21	c3m6iA_	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: l-arabinitol 4-dehydrogenase; PDBTitle: l-arabinitol 4-dehydrogenase
22	c1e3jA_	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A: PDB Molecule: nadp(h)-dependent ketose reductase; PDBTitle: ketose reductase (sorbitol dehydrogenase) from silverleaf2 whitefly
23	c2ejvA_	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: A: PDB Molecule: l-threonine 3-dehydrogenase; PDBTitle: crystal structure of threonine 3-dehydrogenase complexed with nad+
24	c3b70A_	Alignment	not modelled	100.0	14	PDB header: oxidoreductase Chain: A: PDB Molecule: enoyl reductase; PDBTitle: crystal structure of aspergillus terreus trans-acting lovastatin2 polyketide enoyl reductase (lovv) with bound nadp
25	c2ouiB_	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: B: PDB Molecule: nadp-dependent alcohol dehydrogenase; PDBTitle: d275p mutant of alcohol dehydrogenase from protozoa entamoeba2 histolytica
26	c1n9gF_	Alignment	not modelled	100.0	14	PDB header: hydrolase Chain: F: PDB Molecule: 2,4-dienoyl-coa reductase; PDBTitle: mitochondrial 2-enoyl thioester reductase etr1p/etr2p2 heterodimer from candida tropicalis
27	c1r37B_	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: B: PDB Molecule: nad-dependent alcohol dehydrogenase; PDBTitle: alcohol dehydrogenase from sulfolobus solfataricus2 complexed with nad(h) and 2-ethoxyethanol
28	c1y9eB_	Alignment	not modelled	100.0	14	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: hypothetical protein yhfp; PDBTitle: crystal structure of bacillus subtilis protein yhfp with2 nad bound
						PDB header: oxidoreductase

29	c2h6eA	Alignment	not modelled	100.0	20	Chain: A: PDB Molecule: d-arabinose 1-dehydrogenase; PDBTitle: crystal structure of the d-arabinose dehydrogenase from <i>sulfolobus2 solfataricus</i>
30	c1yqxB	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: B: PDB Molecule: sinapyl alcohol dehydrogenase; PDBTitle: sinapyl alcohol dehydrogenase at 2.5 angstrom resolution
31	c2xaaC	Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: C: PDB Molecule: secondary alcohol dehydrogenase; PDBTitle: alcohol dehydrogenase adh-'a' from <i>rhodococcus ruber dsm2 44541</i> at ph 8.5 in complex with nad and butane-1,4-diol
32	c3gazA	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: alcohol dehydrogenase superfamily protein; PDBTitle: crystal structure of an alcohol dehydrogenase superfamily protein from <i>2 novosphingobium aromaticivorans</i>
33	c2j8zA	Alignment	not modelled	100.0	16	PDB header: oxidoreductase Chain: A: PDB Molecule: quinone oxidoreductase; PDBTitle: crystal structure of human p53 inducible oxidoreductase (2 tp53i3.pig3)
34	c2eihA	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: alcohol dehydrogenase; PDBTitle: crystal structure of nad-dependent alcohol dehydrogenase
35	c2cf5A	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: cinnamyl alcohol dehydrogenase; PDBTitle: crystal structures of the arabidopsis cinnamyl alcohol2 dehydrogenases, atcad5
36	c1qorA	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: quinone oxidoreductase; PDBTitle: crystal structure of <i>escherichia coli</i> quinone2 oxidoreductase complexed with nadph
37	c3pi7A	Alignment	not modelled	100.0	16	PDB header: oxidoreductase Chain: A: PDB Molecule: nadh oxidoreductase; PDBTitle: crystal structure of a putative nadph:quinone reductase (ml13093) from <i>2 mesorhizobium loti</i> at 1.71 a resolution
38	c2hcyD	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: D: PDB Molecule: alcohol dehydrogenase 1; PDBTitle: yeast alcohol dehydrogenase i, <i>saccharomyces cerevisiae</i> fermentative2 enzyme
39	c3fbgA	Alignment	not modelled	100.0	17	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: putative arginate lyase; PDBTitle: crystal structure of a putative arginate lyase from <i>staphylococcus2 haemolyticus</i>
40	c1xa0B	Alignment	not modelled	100.0	15	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: putative nadph dependent oxidoreductases; PDBTitle: crystal structure of mcs3 target apc35536 from <i>bacillus2 stearothermophilus</i>
41	c3gmsA	Alignment	not modelled	100.0	16	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: putative nadph:quinone reductase; PDBTitle: crystal structure of putative nadph:quinone reductase from <i>2 bacillus thuringiensis</i>
42	c1piwA	Alignment	not modelled	100.0	14	PDB header: oxidoreductase Chain: A: PDB Molecule: hypothetical zinc-type alcohol dehydrogenase- PDBTitle: apo and holo structures of an nadp(h)-dependent cinnamyl2 alcohol dehydrogenase from <i>saccharomyces cerevisiae</i>
43	c1o89A	Alignment	not modelled	100.0	14	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: ydh; PDBTitle: crystal structure of <i>e. coli</i> k-12 ydh
44	c1lluD	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: D: PDB Molecule: alcohol dehydrogenase; PDBTitle: the ternary complex of <i>pseudomonas aeruginosa</i> alcohol2 dehydrogenase with its coenzyme and weak substrate
45	c2vcyA	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: A: PDB Molecule: trans-2-enoyl-coa reductase; PDBTitle: crystal structure of 2-enoyl thioester reductase of human2 fas ii
46	c1wlvA	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: 2-haloacrylate reductase; PDBTitle: crystal structure of 2-haloacrylate reductase
47	c1rjwA	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: alcohol dehydrogenase; PDBTitle: crystal structure of nad(+)-dependent alcohol dehydrogenase2 from <i>bacillus stearothermophilus</i> strain 11d-r
48	c3tqhA	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: A: PDB Molecule: quinone oxidoreductase; PDBTitle: structure of the quinone oxidoreductase from <i>coxiella burnetii</i>
49	c3jynA	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A: PDB Molecule: quinone oxidoreductase; PDBTitle: crystal structures of <i>pseudomonas syringae</i> pv. tomato dc30002 quinone oxidoreductase complexed with nadph
50	c2c0cB	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: B: PDB Molecule: zinc binding alcohol dehydrogenase, domain PDBTitle: structure of the mgc45594 gene product
51	c3gohA	Alignment	not modelled	100.0	16	PDB header: oxidoreductase Chain: A: PDB Molecule: alcohol dehydrogenase, zinc-containing; PDBTitle: crystal structure of alcohol dehydrogenase superfamily protein2 (np_718042.1) from <i>shewanella oneidensis</i> at 1.55 a resolution
52	c1uufA	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: zinc-type alcohol dehydrogenase-like protein PDBTitle: crystal structure of a zinc-type alcohol dehydrogenase-like2 protein yahk
53	c2j3iB	Alignment	not modelled	100.0	14	PDB header: oxidoreductase Chain: B: PDB Molecule: nadp-dependent oxidoreductase p1; PDBTitle: crystal structure of arabidopsis <i>thaliana</i> double bond2

					reductase (at5g16970)-binary complex
54	c1yb5A	Alignment	not modelled	100.0	20 PDB header: oxidoreductase Chain: A: PDB Molecule: quinone oxidoreductase; PDBTitle: crystal structure of human zeta-crystallin with bound nadp
55	c2w4qA	Alignment	not modelled	100.0	14 PDB header: oxidoreductase Chain: A: PDB Molecule: prostaglandin reductase 2; PDBTitle: crystal structure of human zinc-binding alcohol2 dehydrogenase 1 (zadh1) in ternary complex with nadp and3 18beta-glycyrrhetic acid
56	c2vn8B	Alignment	not modelled	100.0	17 PDB header: receptor inhibitor Chain: B: PDB Molecule: reticulon-4-interacting protein 1; PDBTitle: crystal structure of human reticulon 4 interacting protein2 1 in complex with nadph
57	cliz0A	Alignment	not modelled	100.0	19 PDB header: oxidoreductase Chain: A: PDB Molecule: quinone oxidoreductase; PDBTitle: crystal structures of the quinone oxidoreductase from2 thermus thermophilus hb8 and its complex with nadph
58	clzsvB	Alignment	not modelled	100.0	18 PDB header: oxidoreductase Chain: B: PDB Molecule: nadp-dependent leukotriene b4 12- PDBTitle: crystal structure of human nadp-dependent leukotriene b4 12-2 hydroxydehydrogenase
59	dlpl8a1	Alignment	not modelled	100.0	21 Fold: GroES-like Superfamily: GroES-like Family: Alcohol dehydrogenase-like, N-terminal domain
60	dlp0fa1	Alignment	not modelled	100.0	19 Fold: GroES-like Superfamily: GroES-like Family: Alcohol dehydrogenase-like, N-terminal domain
61	dlkola1	Alignment	not modelled	100.0	20 Fold: GroES-like Superfamily: GroES-like Family: Alcohol dehydrogenase-like, N-terminal domain
62	dlcdoa1	Alignment	not modelled	100.0	17 Fold: GroES-like Superfamily: GroES-like Family: Alcohol dehydrogenase-like, N-terminal domain
63	dlpiwa1	Alignment	not modelled	99.9	21 Fold: GroES-like Superfamily: GroES-like Family: Alcohol dehydrogenase-like, N-terminal domain
64	dlld1ta1	Alignment	not modelled	99.9	15 Fold: GroES-like Superfamily: GroES-like Family: Alcohol dehydrogenase-like, N-terminal domain
65	dluufa1	Alignment	not modelled	99.9	15 Fold: GroES-like Superfamily: GroES-like Family: Alcohol dehydrogenase-like, N-terminal domain
66	dlf8fa1	Alignment	not modelled	99.9	16 Fold: GroES-like Superfamily: GroES-like Family: Alcohol dehydrogenase-like, N-terminal domain
67	dlvj0a1	Alignment	not modelled	99.9	25 Fold: GroES-like Superfamily: GroES-like Family: Alcohol dehydrogenase-like, N-terminal domain
68	dlu3wa1	Alignment	not modelled	99.9	18 Fold: GroES-like Superfamily: GroES-like Family: Alcohol dehydrogenase-like, N-terminal domain
69	d2jhfa1	Alignment	not modelled	99.9	17 Fold: GroES-like Superfamily: GroES-like Family: Alcohol dehydrogenase-like, N-terminal domain
70	dljqba1	Alignment	not modelled	99.9	19 Fold: GroES-like Superfamily: GroES-like Family: Alcohol dehydrogenase-like, N-terminal domain
71	d2fzwa1	Alignment	not modelled	99.9	18 Fold: GroES-like Superfamily: GroES-like Family: Alcohol dehydrogenase-like, N-terminal domain
72	dlu3ta1	Alignment	not modelled	99.9	17 Fold: GroES-like Superfamily: GroES-like Family: Alcohol dehydrogenase-like, N-terminal domain
73	dle3ia1	Alignment	not modelled	99.9	23 Fold: GroES-like Superfamily: GroES-like Family: Alcohol dehydrogenase-like, N-terminal domain
74	dlvkfa1	Alignment	not modelled	99.9	22 Fold: GroES-like Superfamily: GroES-like Family: Alcohol dehydrogenase-like, N-terminal domain
75	dlu3ua1	Alignment	not modelled	99.9	15 Fold: GroES-like Superfamily: GroES-like Family: Alcohol dehydrogenase-like, N-terminal domain
76	c2vz8B	Alignment	not modelled	99.9	18 PDB header: transferase Chain: B: PDB Molecule: fatty acid synthase; PDBTitle: crystal structure of mammalian fatty acid synthase
77	dljvba1	Alignment	not modelled	99.9	23 Fold: GroES-like Superfamily: GroES-like Family: Alcohol dehydrogenase-like, N-terminal domain
78	dlpl8a2	Alignment	not modelled	99.9	20 Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: Alcohol dehydrogenase-like, C-terminal domain
79	dl1lua1	Alignment	not modelled	99.9	21 Fold: GroES-like Superfamily: GroES-like Family: Alcohol dehydrogenase-like, N-terminal domain
80	dlkola2	Alignment	not modelled	99.9	18 Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: Alcohol dehydrogenase-like, C-terminal domain

[illegible]

109	dlv3va2	Alignment	not modelled	99.8	15	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: Alcohol dehydrogenase-like, C-terminal domain
110	dlxa0a2	Alignment	not modelled	99.8	15	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: Alcohol dehydrogenase-like, C-terminal domain
111	dlu3wa2	Alignment	not modelled	99.8	18	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: Alcohol dehydrogenase-like, C-terminal domain
112	dlpqwa_	Alignment	not modelled	99.8	15	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: Alcohol dehydrogenase-like, C-terminal domain
113	dlqora1	Alignment	not modelled	99.8	15	Fold: GroES-like Superfamily: GroES-like Family: Alcohol dehydrogenase-like, N-terminal domain
114	dio89a2	Alignment	not modelled	99.7	13	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: Alcohol dehydrogenase-like, C-terminal domain
115	dlgu7a2	Alignment	not modelled	99.7	13	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: Alcohol dehydrogenase-like, C-terminal domain
116	dlvj1a2	Alignment	not modelled	99.7	14	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: Alcohol dehydrogenase-like, C-terminal domain
117	dlv3va1	Alignment	not modelled	99.7	17	Fold: GroES-like Superfamily: GroES-like Family: Alcohol dehydrogenase-like, N-terminal domain
118	dliz0a1	Alignment	not modelled	99.6	23	Fold: GroES-like Superfamily: GroES-like Family: Alcohol dehydrogenase-like, N-terminal domain
119	dliz0a2	Alignment	not modelled	99.6	24	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: Alcohol dehydrogenase-like, C-terminal domain
120	dlc1da1	Alignment	not modelled	99.3	13	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: Aminoacid dehydrogenase-like, C-terminal domain