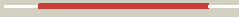
































#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c3n6qF_	 Alignment		100.0	100	PDB header: oxidoreductase Chain: F: PDB Molecule: yghz aldo-keto reductase; PDBTitle: crystal structure of yghz from e. coli
2	c3erpA_	 Alignment		100.0	61	PDB header: oxidoreductase Chain: A: PDB Molecule: putative oxidoreductase; PDBTitle: structure of idp01002, a putative oxidoreductase from and essential2 gene of salmonella typhimurium
3	d1lqaa_	 Alignment		100.0	31	Fold: TIM beta/alpha-barrel Superfamily: NAD(P)-linked oxidoreductase Family: Aldo-keto reductases (NADP)
4	d3eaua1	 Alignment		100.0	35	Fold: TIM beta/alpha-barrel Superfamily: NAD(P)-linked oxidoreductase Family: Aldo-keto reductases (NADP)
5	c3luta_	 Alignment		100.0	35	PDB header: membrane protein Chain: A: PDB Molecule: voltage-gated potassium channel subunit beta-2; PDBTitle: a structural model for the full-length shaker potassium channel kv1.2
6	d1pyfa_	 Alignment		100.0	29	Fold: TIM beta/alpha-barrel Superfamily: NAD(P)-linked oxidoreductase Family: Aldo-keto reductases (NADP)
7	d1pz1a_	 Alignment		100.0	26	Fold: TIM beta/alpha-barrel Superfamily: NAD(P)-linked oxidoreductase Family: Aldo-keto reductases (NADP)
8	d1ur3m_	 Alignment		100.0	23	Fold: TIM beta/alpha-barrel Superfamily: NAD(P)-linked oxidoreductase Family: Aldo-keto reductases (NADP)
9	c3n2tA_	 Alignment		100.0	26	PDB header: oxidoreductase Chain: A: PDB Molecule: putative oxidoreductase; PDBTitle: structure of the glycerol dehydrogenase akr11b4 from gluconobacter2 oxydans
10	d1gvea_	 Alignment		100.0	27	Fold: TIM beta/alpha-barrel Superfamily: NAD(P)-linked oxidoreductase Family: Aldo-keto reductases (NADP)
11	c2bp1C_	 Alignment		100.0	28	PDB header: oxidoreductase Chain: C: PDB Molecule: aflatoxin b1 aldehyde reductase member 2; PDBTitle: structure of the aflatoxin aldehyde reductase in complex2 with nadph

12	c1ynpA_	Alignment		100.0	26	PDB header: oxidoreductase Chain: A; PDB Molecule: oxidoreductase; PDBTitle: aldo-keto reductase akr11c1 from bacillus halodurans (apo form)
13	d1q5ma_	Alignment		100.0	21	Fold: TIM beta/alpha-barrel Superfamily: NAD(P)-linked oxidoreductase Family: Aldo-keto reductases (NADP)
14	d1j96a_	Alignment		100.0	20	Fold: TIM beta/alpha-barrel Superfamily: NAD(P)-linked oxidoreductase Family: Aldo-keto reductases (NADP)
15	c3h7uA_	Alignment		100.0	26	PDB header: oxidoreductase Chain: A; PDB Molecule: aldo-keto reductase; PDBTitle: crystal structure of the plant stress-response enzyme akr4c9
16	d1afsa_	Alignment		100.0	20	Fold: TIM beta/alpha-barrel Superfamily: NAD(P)-linked oxidoreductase Family: Aldo-keto reductases (NADP)
17	c3up8B_	Alignment		100.0	26	PDB header: oxidoreductase Chain: B; PDB Molecule: putative 2,5-diketo-d-gluconic acid reductase b; PDBTitle: crystal structure of a putative 2,5-diketo-d-gluconic acid reductase b
18	d1us0a_	Alignment		100.0	20	Fold: TIM beta/alpha-barrel Superfamily: NAD(P)-linked oxidoreductase Family: Aldo-keto reductases (NADP)
19	d1qwka_	Alignment		100.0	22	Fold: TIM beta/alpha-barrel Superfamily: NAD(P)-linked oxidoreductase Family: Aldo-keto reductases (NADP)
20	d1mi3a_	Alignment		100.0	22	Fold: TIM beta/alpha-barrel Superfamily: NAD(P)-linked oxidoreductase Family: Aldo-keto reductases (NADP)
21	d1frba_	Alignment	not modelled	100.0	19	Fold: TIM beta/alpha-barrel Superfamily: NAD(P)-linked oxidoreductase Family: Aldo-keto reductases (NADP)
22	d1hqta_	Alignment	not modelled	100.0	24	Fold: TIM beta/alpha-barrel Superfamily: NAD(P)-linked oxidoreductase Family: Aldo-keto reductases (NADP)
23	c3f7jB_	Alignment	not modelled	100.0	24	PDB header: oxidoreductase Chain: B; PDB Molecule: yvgn protein; PDBTitle: b.subtilis yvgn
24	d1s1pa_	Alignment	not modelled	100.0	20	Fold: TIM beta/alpha-barrel Superfamily: NAD(P)-linked oxidoreductase Family: Aldo-keto reductases (NADP)
25	c3h7rA_	Alignment	not modelled	100.0	24	PDB header: oxidoreductase Chain: A; PDB Molecule: aldo-keto reductase; PDBTitle: crystal structure of the plant stress-response enzyme akr4c8
26	c3buvB_	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: B; PDB Molecule: 3-oxo-5-beta-steroid 4-dehydrogenase; PDBTitle: crystal structure of human delta(4)-3-ketosteroid 5-beta-reductase in2 complex with nadp and hepes. resolution: 1.35 a.
27	d1ah4a_	Alignment	not modelled	100.0	20	Fold: TIM beta/alpha-barrel Superfamily: NAD(P)-linked oxidoreductase Family: Aldo-keto reductases (NADP)
28	c1zgdB_	Alignment	not modelled	100.0	23	PDB header: plant protein Chain: B; PDB Molecule: chalcone reductase; PDBTitle: chalcone reductase complexed with nadp+ at 1.7 angstrom2 resolution
29	c2uztA_	Alignment	not modelled	100.0	23	PDB header: oxidoreductase Chain: A; PDB Molecule: aldo-keto reductase;

29	c2wz6A	Alignment	not modelled	100.0	29	PDBTitle: crystal structure of a mycobacterium aldo-keto reductase in2 its apo and liganded form
30	d1c9wa	Alignment	not modelled	100.0	19	Fold: TIM beta/alpha-barrel Superfamily: NAD(P)-linked oxidoreductase Family: Aldo-keto reductases (NADP)
31	d1vp5a	Alignment	not modelled	100.0	22	Fold: TIM beta/alpha-barrel Superfamily: NAD(P)-linked oxidoreductase Family: Aldo-keto reductases (NADP)
32	d2alra	Alignment	not modelled	100.0	25	Fold: TIM beta/alpha-barrel Superfamily: NAD(P)-linked oxidoreductase Family: Aldo-keto reductases (NADP)
33	d1hw6a	Alignment	not modelled	100.0	24	Fold: TIM beta/alpha-barrel Superfamily: NAD(P)-linked oxidoreductase Family: Aldo-keto reductases (NADP)
34	c3o0kB	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: B: PDB Molecule: aldo/keto reductase; PDBTitle: crystal structure of aldo/keto reductase from brucella melitensis
35	d1mzra	Alignment	not modelled	100.0	23	Fold: TIM beta/alpha-barrel Superfamily: NAD(P)-linked oxidoreductase Family: Aldo-keto reductases (NADP)
36	c2bgsA	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: A: PDB Molecule: aldose reductase; PDBTitle: holo aldose reductase from barley
37	c3b3dA	Alignment	not modelled	100.0	23	PDB header: oxidoreductase Chain: A: PDB Molecule: putative morphine dehydrogenase; PDBTitle: b.subtilis ytb6
38	c1vbjB	Alignment	not modelled	100.0	23	PDB header: oxidoreductase Chain: B: PDB Molecule: prostaglandin f synthase; PDBTitle: the crystal structure of prostaglandin f synthase from2 trypanosoma brucei
39	c3krbB	Alignment	not modelled	100.0	24	PDB header: oxidoreductase Chain: B: PDB Molecule: aldose reductase; PDBTitle: structure of aldose reductase from giardia lamblia at 1.75a resolution
40	c3ln3A	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A: PDB Molecule: dihydrodiol dehydrogenase; PDBTitle: crystal structure of putative reductase (np_038806.2) from2 mus musculus at 1.18 a resolution
41	d3bofa2	Alignment	not modelled	73.3	10	Fold: TIM beta/alpha-barrel Superfamily: Homocysteine S-methyltransferase Family: Homocysteine S-methyltransferase
42	c3dx5A	Alignment	not modelled	60.8	11	PDB header: lyase Chain: A: PDB Molecule: uncharacterized protein asbf; PDBTitle: crystal structure of the probable 3-dhs dehydratase asbf involved in2 the petrobactin synthesis from bacillus anthracis
43	c3bdkB	Alignment	not modelled	54.4	11	PDB header: lyase Chain: B: PDB Molecule: d-mannonate dehydratase; PDBTitle: crystal structure of streptococcus suis mannonate2 dehydratase complexed with substrate analogue
44	c3bolB	Alignment	not modelled	52.6	14	PDB header: transferase Chain: B: PDB Molecule: 5-methyltetrahydrofolate s-homocysteine PDBTitle: cobalamin-dependent methionine synthase (1-566) from2 thermotoga maritima complexed with zn2+
45	c3sb1B	Alignment	not modelled	38.0	22	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: hydrogenase expression protein; PDBTitle: hydrogenase expression protein huph from thiobacillus denitrificans2 atcc 25259
46	c3oqbF	Alignment	not modelled	37.0	14	PDB header: oxidoreductase Chain: F: PDB Molecule: oxidoreductase; PDBTitle: crystal structure of putative oxidoreductase from bradyrhizobium2 japonicum usda 110
47	c3hf3A	Alignment	not modelled	35.8	15	PDB header: oxidoreductase Chain: A: PDB Molecule: chromate reductase; PDBTitle: old yellow enzyme from thermus scotoductus sa-01
48	d1szna2	Alignment	not modelled	33.9	14	Fold: TIM beta/alpha-barrel Superfamily: (Trans)glycosidases Family: Amylase, catalytic domain
49	c3a5vA	Alignment	not modelled	33.3	20	PDB header: hydrolase Chain: A: PDB Molecule: alpha-galactosidase; PDBTitle: crystal structure of alpha-galactosidase i from mortierella vinacea
50	c3g8rA	Alignment	not modelled	32.5	15	PDB header: biosynthetic protein Chain: A: PDB Molecule: probable spore coat polysaccharide biosynthesis protein e; PDBTitle: crystal structure of putative spore coat polysaccharide biosynthesis2 protein e from chromobacterium violaceum atcc 12472
51	c2ph5A	Alignment	not modelled	31.6	9	PDB header: transferase Chain: A: PDB Molecule: homospermidine synthase; PDBTitle: crystal structure of the homospermidine synthase hss from legionella2 pneumophila in complex with nad, northeast structural genomics target3 lgr54
52	c3ou8B	Alignment	not modelled	31.1	15	PDB header: hydrolase Chain: B: PDB Molecule: adenosine deaminase; PDBTitle: the crystal structure of adenosine deaminase from pseudomonas2 aeruginosa
53	d1ajza	Alignment	not modelled	30.7	11	Fold: TIM beta/alpha-barrel Superfamily: Dihydropteroate synthetase-like Family: Dihydropteroate synthetase
54	c1uasA	Alignment	not modelled	29.8	19	PDB header: hydrolase Chain: A: PDB Molecule: alpha-galactosidase; PDBTitle: crystal structure of rice alpha-galactosidase
						PDB header: hydrolase Chain: A: PDB Molecule: alpha-galactosidase; PDBTitle: crystal structure of rice alpha-galactosidase

55	c3rysa_	Alignment	not modelled	29.8	16	Chain: A: PDB Molecule: adenosine deaminase 1; PDBTitle: the crystal structure of adenine deaminase (aaur1117) from2 arthrobacter aureescens
56	d1jpma1	Alignment	not modelled	26.2	10	Fold: TIM beta/alpha-barrel Superfamily: Enolase C-terminal domain-like Family: D-glucarate dehydratase-like
57	d1gqna_	Alignment	not modelled	25.8	13	Fold: TIM beta/alpha-barrel Superfamily: Aldolase Family: Class I aldolase
58	d1h8ba_	Alignment	not modelled	23.1	21	Fold: EF Hand-like Superfamily: EF-hand Family: EF-hand modules in multidomain proteins
59	d2nlyal	Alignment	not modelled	22.2	15	Fold: 7-stranded beta/alpha barrel Superfamily: Glycoside hydrolase/deacetylase Family: Divergent polysaccharide deacetylase
60	d1vp8a_	Alignment	not modelled	19.5	14	Fold: Pyruvate kinase C-terminal domain-like Superfamily: PK C-terminal domain-like Family: MTH1675-like
61	d1bxba_	Alignment	not modelled	19.4	19	Fold: TIM beta/alpha-barrel Superfamily: Xylose isomerase-like Family: Xylose isomerase
62	c1m0tB_	Alignment	not modelled	19.3	13	PDB header: ligase Chain: B: PDB Molecule: glutathione synthetase; PDBTitle: yeast glutathione synthase
63	d1tz9a_	Alignment	not modelled	19.2	16	Fold: TIM beta/alpha-barrel Superfamily: Xylose isomerase-like Family: UxuA-like
64	d1qt1a_	Alignment	not modelled	18.8	16	Fold: TIM beta/alpha-barrel Superfamily: Xylose isomerase-like Family: Xylose isomerase
65	d1zy9a2	Alignment	not modelled	18.7	13	Fold: TIM beta/alpha-barrel Superfamily: (Trans)glycosidases Family: YicI catalytic domain-like
66	c2kzhA_	Alignment	not modelled	17.1	18	PDB header: isomerase Chain: A: PDB Molecule: tryptophan biosynthesis protein trpcf; PDBTitle: three-dimensional structure of a truncated phosphoribosylanthranilate2 isomerase (residues 255-384) from escherichia coli
67	c3d0cB_	Alignment	not modelled	17.1	8	PDB header: lyase Chain: B: PDB Molecule: dihydrodipicolinate synthase; PDBTitle: crystal structure of dihydrodipicolinate synthase from2 oceanobacillus iheyensis at 1.9 a resolution
68	d1kkoa1	Alignment	not modelled	17.1	9	Fold: TIM beta/alpha-barrel Superfamily: Enolase C-terminal domain-like Family: D-glucarate dehydratase-like
69	d2hv2a1	Alignment	not modelled	17.0	21	Fold: SCP-like Superfamily: SCP-like Family: EF1021 C-terminal domain-like
70	c3ksmA_	Alignment	not modelled	16.8	12	PDB header: transport protein Chain: A: PDB Molecule: abc-type sugar transport system, periplasmic component; PDBTitle: crystal structure of abc-type sugar transport system, periplasmic2 component from hahella chejuensis
71	c2yr1B_	Alignment	not modelled	16.3	12	PDB header: lyase Chain: B: PDB Molecule: 3-dehydroquinate dehydratase; PDBTitle: crystal structure of 3-dehydroquinate dehydratase from geobacillus2 kaustophilus hta426
72	d2i00a1	Alignment	not modelled	16.2	14	Fold: SCP-like Superfamily: SCP-like Family: EF1021 C-terminal domain-like
73	c2nvaH_	Alignment	not modelled	16.0	15	PDB header: lyase Chain: H: PDB Molecule: arginine decarboxylase, a207r protein; PDBTitle: the x-ray crystal structure of the paramecium bursaria2 chlorella virus arginine decarboxylase bound to agmatine
74	c2gjxE_	Alignment	not modelled	16.0	17	PDB header: hydrolase Chain: E: PDB Molecule: beta-hexosaminidase alpha chain; PDBTitle: crystallographic structure of human beta-hexosaminidase a
75	c3dnfB_	Alignment	not modelled	15.7	18	PDB header: oxidoreductase Chain: B: PDB Molecule: 4-hydroxy-3-methylbut-2-enyl diphosphate reductase; PDBTitle: structure of (e)-4-hydroxy-3-methyl-but-2-enyl diphosphate reductase,2 the terminal enzyme of the non-mevalonate pathway
76	d1uwka_	Alignment	not modelled	15.5	16	Fold: Urocanase Superfamily: Urocanase Family: Urocanase
77	c2ekcA_	Alignment	not modelled	14.5	17	PDB header: lyase Chain: A: PDB Molecule: tryptophan synthase alpha chain; PDBTitle: structural study of project id aq_1548 from aquifex aeolicus vf5
78	c3sdoB_	Alignment	not modelled	14.4	4	PDB header: oxidoreductase Chain: B: PDB Molecule: nitrilotriacetate monooxygenase; PDBTitle: structure of a nitrilotriacetate monooxygenase from burkholderia2 pseudomallei
79	d2gjxa1	Alignment	not modelled	14.2	17	Fold: TIM beta/alpha-barrel Superfamily: (Trans)glycosidases Family: beta-N-acetylhexosaminidase catalytic domain
80	d1vyra_	Alignment	not modelled	14.1	15	Fold: TIM beta/alpha-barrel Superfamily: FMN-linked oxidoreductases Family: FMN-linked oxidoreductases
						Fold: Hyaluronidase domain-like

81	d2ijqa1	Alignment	not modelled	14.1	10	Superfamily: TTHA0068-like Family: TTHA0068-like
82	c2wjeA	Alignment	not modelled	13.7	16	PDB header: hydrolase Chain: A: PDB Molecule: tyrosine-protein phosphatase cpsb; PDBTitle: crystal structure of the tyrosine phosphatase cps4b from2 steptococcus pneumoniae tigr4.
83	c2vwtA	Alignment	not modelled	13.5	14	PDB header: lyase Chain: A: PDB Molecule: yfau, 2-keto-3-deoxy sugar aldolase; PDBTitle: crystal structure of yfau, a metal ion dependent class ii2 aldolase from escherichia coli k12 - mg-pyruvate product3 complex
84	c2ksnA	Alignment	not modelled	13.5	31	PDB header: signaling protein Chain: A: PDB Molecule: ubiquitin domain-containing protein 2; PDBTitle: solution structure of the n-terminal domain of dc-ubp/ubtd2
85	d1ub3a	Alignment	not modelled	13.0	14	Fold: TIM beta/alpha-barrel Superfamily: Aldolase Family: Class I aldolase
86	c2fknC	Alignment	not modelled	12.6	15	PDB header: lyase Chain: C: PDB Molecule: urocanate hydratase; PDBTitle: crystal structure of urocanase from bacillus subtilis
87	c1t0aA	Alignment	not modelled	11.9	18	PDB header: hydrolase Chain: A: PDB Molecule: alpha-galactosidase; PDBTitle: the structure of alpha-galactosidase from trichoderma reesei complexed2 with beta-d-galactose
88	c2v5jB	Alignment	not modelled	11.8	15	PDB header: lyase Chain: B: PDB Molecule: 2,4-dihydroxyhept-2-ene-1,7-dioic acid aldolase; PDBTitle: apo class ii aldolase hpch
89	c1vliA	Alignment	not modelled	11.5	20	PDB header: biosynthetic protein Chain: A: PDB Molecule: spore coat polysaccharide biosynthesis protein spse; PDBTitle: crystal structure of spore coat polysaccharide biosynthesis protein2 spse (bsu37870) from bacillus subtilis at 2.38 a resolution
90	c1xeaD	Alignment	not modelled	11.3	18	PDB header: oxidoreductase Chain: D: PDB Molecule: oxidoreductase, gfo/ldh/moca family; PDBTitle: crystal structure of a gfo/ldh/moca family oxidoreductase2 from vibrio cholerae
91	c3pueA	Alignment	not modelled	11.1	10	PDB header: lyase Chain: A: PDB Molecule: dihydrodipicolinate synthase; PDBTitle: crystal structure of the complex of dhydrodipicolinate synthase from2 acinetobacter baumannii with lysine at 2.6a resolution
92	c3lmyA	Alignment	not modelled	10.8	24	PDB header: hydrolase Chain: A: PDB Molecule: beta-hexosaminidase subunit beta; PDBTitle: the crystal structure of beta-hexosaminidase b in complex with2 pyrimethamine
93	d2zd1b1	Alignment	not modelled	10.8	21	Fold: DNA/RNA polymerases Superfamily: DNA/RNA polymerases Family: Reverse transcriptase
94	d2ajta2	Alignment	not modelled	10.7	9	Fold: Fucl/AraA N-terminal and middle domains Superfamily: Fucl/AraA N-terminal and middle domains Family: AraA N-terminal and middle domain-like
95	d1x87a	Alignment	not modelled	10.2	16	Fold: Urocanase Superfamily: Urocanase Family: Urocanase
96	c3l2iB	Alignment	not modelled	10.2	10	PDB header: lyase Chain: B: PDB Molecule: 3-dehydroquinate dehydratase; PDBTitle: 1.85 angstrom crystal structure of the 3-dehydroquinate dehydratase2 (arod) from salmonella typhimurium lt2.
97	c2jw1B	Alignment	not modelled	10.1	16	PDB header: membrane protein Chain: B: PDB Molecule: protein tolR; PDBTitle: solution structure of periplasmic domain of tolR from h.2 influenzae with saxs data
98	c3gh7A	Alignment	not modelled	10.1	12	PDB header: hydrolase Chain: A: PDB Molecule: beta-hexosaminidase; PDBTitle: crystal structure of beta-hexosaminidase from paenibacillus2 sp. ts12 in complex with galnac
99	d1nowa1	Alignment	not modelled	10.0	24	Fold: TIM beta/alpha-barrel Superfamily: (Trans)glycosidases Family: beta-N-acetylhexosaminidase catalytic domain