


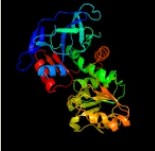
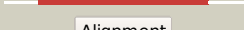

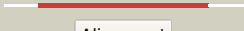




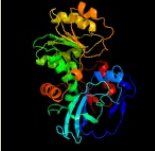




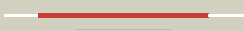







Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD1454c_(qor)_1639680_1640666
Date	Fri Aug 2 13:30:03 BST 2019
Unique Job ID	eb19617561db1bb9

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c4rvsA_	 Alignment		100.0	100	PDB header: electron transport Chain: A: PDB Molecule: probable quinone reductase qor (nadh:quinone reductase) PDBTitle: the native structure of mycobacterial quinone oxidoreductase rv154c.
2	c3krtC_	 Alignment		100.0	30	PDB header: oxidoreductase Chain: C: PDB Molecule: crotonyl coa reductase; PDBTitle: crystal structure of putative crotonyl coa reductase from streptomyces2 coelicolor a3(2)
3	c4gi2B_	 Alignment		100.0	23	PDB header: oxidoreductase Chain: B: PDB Molecule: crotonyl-coa carboxylase/reductase; PDBTitle: crotonyl-coa carboxylase/reductase
4	c3jynA_	 Alignment		100.0	44	PDB header: oxidoreductase Chain: A: PDB Molecule: quinone oxidoreductase; PDBTitle: crystal structures of pseudomonas syringae pv. tomato dc30002 quinone oxidoreductase complexed with nadph
5	c3qwbC_	 Alignment		100.0	37	PDB header: oxidoreductase Chain: C: PDB Molecule: probable quinone oxidoreductase; PDBTitle: crystal structure of saccharomyces cerevisiae zeta-crystallin-like2 quinone oxidoreductase zta1 complexed with nadph
6	c1qorA_	 Alignment		100.0	45	PDB header: oxidoreductase Chain: A: PDB Molecule: quinone oxidoreductase; PDBTitle: crystal structure of escherichia coli quinone oxidoreductase complexed2 with nadph
7	c1wlyA_	 Alignment		100.0	39	PDB header: oxidoreductase Chain: A: PDB Molecule: 2-haloacrylate reductase; PDBTitle: crystal structure of 2-haloacrylate reductase
8	c4y0kA_	 Alignment		100.0	26	PDB header: oxidoreductase Chain: A: PDB Molecule: ante; PDBTitle: structure of crotonyl-coa carboxylase/reductase ante in complex with2 nadp
9	c3ukoA_	 Alignment		100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: alcohol dehydrogenase class-3; PDBTitle: crystal structure of s-nitrosoglutathione reductase from arabidopsis2 thaliana, complex with nadh
10	c2j8zA_	 Alignment		100.0	27	PDB header: oxidoreductase Chain: A: PDB Molecule: quinone oxidoreductase; PDBTitle: crystal structure of human p53 inducible oxidoreductase (2 tp53i3,pig3)
11	c3uogB_	 Alignment		100.0	25	PDB header: oxidoreductase Chain: B: PDB Molecule: alcohol dehydrogenase; PDBTitle: crystal structure of putative alcohol dehydrogenase from sinorhizobium2 meliloti 1021

12	c4a10A_	Alignment		100.0	26	PDB header: oxidoreductase Chain: A: PDB Molecule: octenoyl-coa reductase/carboxylase; PDBTitle: apo-structure of 2-octenoyl-coa carboxylase reductase cinf from2 streptomyces sp.
13	c3gmsA_	Alignment		100.0	23	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: putative nadph:quinone reductase; PDBTitle: crystal structure of putative nadph:quinone reductase from bacillus2 thuringiensis
14	c4j6fB_	Alignment		100.0	31	PDB header: oxidoreductase Chain: B: PDB Molecule: putative alcohol dehydrogenase; PDBTitle: crystal structure of putative alcohol dehydrogenase from sinorhizobium2 meliloti 1021, nysgrc-target 012230
15	c2eihA_	Alignment		100.0	33	PDB header: oxidoreductase Chain: A: PDB Molecule: alcohol dehydrogenase; PDBTitle: crystal structure of nad-dependent alcohol dehydrogenase
16	c2vcyA_	Alignment		100.0	21	PDB header: oxidoreductase Chain: A: PDB Molecule: trans-2-enoyl-coa reductase; PDBTitle: crystal structure of 2-enoyl thioester reductase of human fas ii
17	c1hf3A_	Alignment		100.0	17	PDB header: oxidoreductase Chain: A: PDB Molecule: alcohol dehydrogenase e chain; PDBTitle: atomic x-ray structure of liver alcohol dehydrogenase containing2 cadmium and a hydroxide adduct to nadh
18	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
19	c1r37B_	Alignment		100.0	23	PDB header: oxidoreductase Chain: B: PDB Molecule: nad-dependent alcohol dehydrogenase; PDBTitle: alcohol dehydrogenase from sulfolobus solfataricus2 complexed with nad(h) and 2-ethoxyethanol
20	c1cdoB_	Alignment		100.0	18	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
21	c4rqUA_	Alignment	not modelled	100.0	16	PDB header: oxidoreductase Chain: A: PDB Molecule: alcohol dehydrogenase; PDBTitle: alcohol dehydrogenase crystal structure in complex with nad
22	c3pi7A_	Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: A: PDB Molecule: nadh oxidoreductase; PDBTitle: crystal structure of a putative nadph:quinone reductase (ml3093) from2 mesorhizobium loti at 1.71 a resolution
23	c3fbgA_	Alignment	not modelled	100.0	25	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: putative arginate lyase; PDBTitle: crystal structure of a putative arginate lyase from staphylococcus2 haemolyticus
24	c3cosD_	Alignment	not modelled	100.0	19	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
25	c5k1sD_	Alignment	not modelled	100.0	32	PDB header: oxidoreductase Chain: D: PDB Molecule: oxidoreductase, zinc-binding dehydrogenase family; PDBTitle: crystal structure of aibc
26	c1y9eB_	Alignment	not modelled	100.0	18	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: hypothetical protein yhfP; PDBTitle: crystal structure of bacillus subtilis protein yhfP with nad bound
27	c5a3jF_	Alignment	not modelled	100.0	23	PDB header: oxidoreductase Chain: F: PDB Molecule: putative quinone-oxidoreductase homolog, chloroplastic; PDBTitle: crystal structure of the chloroplastic gamma-ketol reductase from2 arabidopsis thaliana bound to 13-oxo-9(z),11(e),15(z)-3 octadecatrienoic acid.
28	c1vh5A_	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: A: PDB Molecule: quinone oxidoreductase;

28	c1y0JA	Alignment	not modelled	100.0	31	PDBTitle: crystal structure of human zeta-crystallin with bound nadp PDB header: oxidoreductase
29	c5tnxA	Alignment	not modelled	100.0	23	Chain: A: PDB Molecule: alcohol dehydrogenase zinc-binding domain protein; PDBTitle: crystal structure of alcohol dehydrogenase zinc-binding domain protein2 from burkholderia ambifaria PDB header: oxidoreductase
30	c1p0fA	Alignment	not modelled	100.0	21	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 PDB header: oxidoreductase
31	c4dviA	Alignment	not modelled	100.0	20	Chain: A: PDB Molecule: putative zinc-dependent alcohol dehydrogenase protein; PDBTitle: crystal structure of a putative zinc-dependent alcohol dehydrogenase2 protein from rhizobium etli cfn 42 PDB header: oxidoreductase
32	c1f8fA	Alignment	not modelled	100.0	21	Chain: A: PDB Molecule: benzyl alcohol dehydrogenase; PDBTitle: crystal structure of benzyl alcohol dehydrogenase from acinetobacter2 calcoaceticus PDB header: oxidoreductase
33	c4a2cB	Alignment	not modelled	100.0	13	Chain: B: PDB Molecule: galactitol-1-phosphate 5-dehydrogenase; PDBTitle: crystal structure of galactitol-1-phosphate dehydrogenase from2 escherichia coli PDB header: oxidoreductase
34	c1pl6A	Alignment	not modelled	100.0	23	Chain: A: PDB Molecule: sorbitol dehydrogenase; PDBTitle: human sdh/nadh/inhibitor complex PDB header: oxidoreductase
35	c4eezB	Alignment	not modelled	100.0	20	Chain: B: PDB Molecule: alcohol dehydrogenase 1; PDBTitle: crystal structure of lactococcus lactis alcohol dehydrogenase variant2 re1 PDB header: hydrolase
36	c1n9gF	Alignment	not modelled	100.0	16	Chain: F: PDB Molecule: 2,4-dienoyl-coa reductase; PDBTitle: mitochondrial 2-enoyl thioester reductase etr1p/etr2p heterodimer from2 candida tropicalis PDB header: oxidoreductase
37	c4jxkA	Alignment	not modelled	100.0	22	Chain: A: PDB Molecule: oxidoreductase; PDBTitle: crystal structure of oxidoreductase rop_24000 (target efi-506400) from2 rhodococcus opacus b4 PDB header: oxidoreductase
38	c1kolA	Alignment	not modelled	100.0	20	Chain: A: PDB Molecule: formaldehyde dehydrogenase; PDBTitle: crystal structure of formaldehyde dehydrogenase PDB header: oxidoreductase
39	c2dphA	Alignment	not modelled	100.0	19	Chain: A: PDB Molecule: formaldehyde dismutase; PDBTitle: crystal structure of formaldehyde dismutase PDB header: oxidoreductase
40	c2xaaC	Alignment	not modelled	100.0	23	Chain: C: PDB Molecule: secondary alcohol dehydrogenase; PDBTitle: alcohol dehydrogenase adh-'a' from rhodococcus ruber dsm2 44541 at ph 8.5 in complex with nad and butane-1,4-diol PDB header: oxidoreductase
41	c4jbiB	Alignment	not modelled	100.0	23	Chain: B: PDB Molecule: alcohol dehydrogenase (zinc); PDBTitle: 2.35a resolution structure of nadph bound thermostable alcohol2 dehydrogenase from pyrobaculum aerophilum PDB header: oxidoreductase
42	c3gazA	Alignment	not modelled	100.0	26	Chain: A: PDB Molecule: alcohol dehydrogenase superfamily protein; PDBTitle: crystal structure of an alcohol dehydrogenase superfamily protein from2 novosphingobium aromaticivorans PDB header: oxidoreductase
43	c2ejvA	Alignment	not modelled	100.0	21	Chain: A: PDB Molecule: l-threonine 3-dehydrogenase; PDBTitle: crystal structure of threonine 3-dehydrogenase complexed with nad+ PDB header: oxidoreductase
44	c1vj0B	Alignment	not modelled	100.0	19	Chain: B: PDB Molecule: alcohol dehydrogenase, zinc-containing; PDBTitle: crystal structure of alcohol dehydrogenase (tm0436) from thermotoga2 maritima at 2.00 a resolution PDB header: oxidoreductase
45	c4gkvC	Alignment	not modelled	100.0	20	Chain: C: PDB Molecule: alcohol dehydrogenase, propanol-preferring; PDBTitle: structure of escherichia coli adhP (ethanol-inducible dehydrogenase)2 with bound nad PDB header: oxidoreductase
46	c2cf5A	Alignment	not modelled	100.0	16	Chain: A: PDB Molecule: cinnamyl alcohol dehydrogenase; PDBTitle: crystal structures of the arabidopsis cinnamyl alcohol2 dehydrogenases, atcad5 PDB header: oxidoreductase
47	c5fi5A	Alignment	not modelled	100.0	18	Chain: A: PDB Molecule: tetrahydroalstonine synthase; PDBTitle: heteroyohimbine synthase thas1 from catharanthus roseus - apo form PDB header: oxidoreductase
48	c4cpdA	Alignment	not modelled	100.0	18	Chain: A: PDB Molecule: alcohol dehydrogenase; PDBTitle: alcohol dehydrogenase tadh from thermus sp. atn1 PDB header: oxidoreductase
49	c2hcyD	Alignment	not modelled	100.0	23	Chain: D: PDB Molecule: alcohol dehydrogenase 1; PDBTitle: yeast alcohol dehydrogenase I, saccharomyces cerevisiae fermentative2 enzyme PDB header: oxidoreductase
50	c5kiaA	Alignment	not modelled	100.0	18	Chain: A: PDB Molecule: l-threonine 3-dehydrogenase; PDBTitle: crystal structure of l-threonine 3-dehydrogenase from burkholderia2 thailandensis PDB header: oxidoreductase
51	c1piwA	Alignment	not modelled	100.0	14	Chain: A: PDB Molecule: hypothetical zinc-type alcohol dehydrogenase- PDBTitle: apo and holo structures of an nadp(h)-dependent cinnamyl2 alcohol dehydrogenase from saccharomyces cerevisiae PDB header: oxidoreductase
52	c5gxeA	Alignment	not modelled	100.0	19	Chain: A: PDB Molecule: acrylyl-coa reductase acui; PDBTitle: crystal structure of acryloyl-coa reductase acui in complex with nadph PDB header: oxidoreductase

53	c3b70A	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: A: PDB Molecule: enoyl reductase; PDBTitle: crystal structure of aspergillus terreus trans-acting lovastatin2 polyketide enoyl reductase (lov) with bound nadp
54	c2c0cB	Alignment	not modelled	100.0	29	PDB header: oxidoreductase Chain: B: PDB Molecule: zinc binding alcohol dehydrogenase, domain containing 2; PDBTitle: structure of the mgc45594 gene product
55	c5ylnB	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: B: PDB Molecule: alcohol dehydrogenase, zinc-containing; PDBTitle: zinc dependent alcohol dehydrogenase 2 from streptococcus pneumonia -2 apo form
56	c5zxnA	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: nadp-dependent oxidoreductase; PDBTitle: crystal structure of cura from vibrio vulnificus
57	c1h2bA	Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: A: PDB Molecule: alcohol dehydrogenase; PDBTitle: crystal structure of the alcohol dehydrogenase from the2 hyperthermophilic archaeon aeropyrum pernix at 1.65a resolution
58	c3tqhA	Alignment	not modelled	100.0	23	PDB header: oxidoreductase Chain: A: PDB Molecule: quinone oxidoreductase; PDBTitle: structure of the quinone oxidoreductase from coxiella burnetii
59	c4oaqA	Alignment	not modelled	100.0	16	PDB header: oxidoreductase Chain: A: PDB Molecule: r-specific carbonyl reductase; PDBTitle: crystal structure of the r-specific carbonyl reductase from candida2 parapsilosis atcc 7330
60	c4z6kD	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: D: PDB Molecule: alcohol dehydrogenase; PDBTitle: alcohol dehydrogenase from the antarctic psychrophile moraxella sp.2 tae 123
61	c5dp1A	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: curk; PDBTitle: crystal structure of curk enoyl reductase
62	c2dfvB	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: B: PDB Molecule: probable l-threonine 3-dehydrogenase; PDBTitle: hyperthermophilic threonine dehydrogenase from pyrococcus horikoshii
63	c1yqxB	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: B: PDB Molecule: sinapyl alcohol dehydrogenase; PDBTitle: sinapyl alcohol dehydrogenase at 2.5 angstrom resolution
64	c3ip1C	Alignment	not modelled	100.0	16	PDB header: oxidoreductase Chain: C: PDB Molecule: alcohol dehydrogenase, zinc-containing; PDBTitle: structure of putative alcohol dehydrogenase (tm_042) from thermotoga2 maritima
65	c4a27A	Alignment	not modelled	100.0	25	PDB header: oxidoreductase Chain: A: PDB Molecule: synaptic vesicle membrane protein vat-1 homolog-like; PDBTitle: crystal structure of human synaptic vesicle membrane protein vat-12 homolog-like protein
66	c6c49A	Alignment	not modelled	100.0	16	PDB header: oxidoreductase Chain: A: PDB Molecule: alcohol dehydrogenase; PDBTitle: crystal structure of alcohol dehydrogenase from acinetobacter2 baumannii
67	c1kevB	Alignment	not modelled	100.0	14	PDB header: oxidoreductase Chain: B: PDB Molecule: nadp-dependent alcohol dehydrogenase; PDBTitle: structure of nadp-dependent alcohol dehydrogenase
68	c4eyeA	Alignment	not modelled	100.0	30	PDB header: oxidoreductase Chain: A: PDB Molecule: probable oxidoreductase; PDBTitle: crystal structure of a probable oxidoreductase from mycobacterium2 abscessus solved by iodide ion sad
69	c1xa0B	Alignment	not modelled	100.0	19	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: putative nadph dependent oxidoreductases; PDBTitle: crystal structure of mcsj target apc35536 from bacillus2 stearothermophilus
70	c1o89A	Alignment	not modelled	100.0	16	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: yhdh; PDBTitle: crystal structure of e. coli k-12 yhdh
71	c5vktB	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: B: PDB Molecule: cinnamyl alcohol dehydrogenases (sbcad4); PDBTitle: cinnamyl alcohol dehydrogenases (sbcad4) from sorghum bicolor (l.)2 moench
72	c4ejmA	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A: PDB Molecule: putative zinc-binding dehydrogenase; PDBTitle: crystal structure of a putative zinc-binding dehydrogenase (target2 psi-012003) from sinorhizobium meliloti 1021 bound to nadp
73	c2ouiB	Alignment	not modelled	100.0	14	PDB header: oxidoreductase Chain: B: PDB Molecule: nadp-dependent alcohol dehydrogenase; PDBTitle: d275p mutant of alcohol dehydrogenase from protozoa entamoeba2 histolytica
74	c3iupB	Alignment	not modelled	100.0	19	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
75	c4b7cB	Alignment	not modelled	100.0	14	PDB header: oxidoreductase Chain: B: PDB Molecule: probable oxidoreductase; PDBTitle: crystal structure of hypothetical protein pa1648 from2 pseudomonas aeruginosa.
76	c1e3jA	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: A: PDB Molecule: nadp(h)-dependent ketose reductase; PDBTitle: ketose reductase (sorbitol dehydrogenase) from silverleaf2 whitefly
77	c2cdaA	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: A: PDB Molecule: glucose dehydrogenase; PDBTitle: sulfolobus solfataricus glucose dehydrogenase 1 in complex with nadp

78	c1rjwA	Alignment	not modelled	100.0	27	PDB header: oxidoreductase Chain: A: PDB Molecule: alcohol dehydrogenase; PDBTitle: crystal structure of nad(+)-dependent alcohol dehydrogenase2 from bacillus stearotherophilus strain lld-r
79	c1lluD	Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: D: PDB Molecule: alcohol dehydrogenase; PDBTitle: the ternary complex of pseudomonas aeruginosa alcohol2 dehydrogenase with its coenzyme and weak substrate
80	c4dupB	Alignment	not modelled	100.0	26	PDB header: oxidoreductase Chain: B: PDB Molecule: quinone oxidoreductase; PDBTitle: crystal structure of a quinone oxidoreductase from rhizobium etli cfn2 42
81	c5dp2A	Alignment	not modelled	100.0	16	PDB header: oxidoreductase Chain: A: PDB Molecule: curf; PDBTitle: curf er cyclopropanase from curacin a biosynthetic pathway
82	c4ilkB	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: B: PDB Molecule: starvation sensing protein rspb; PDBTitle: crystal structure of short chain alcohol dehydrogenase (rspb) from e.2 coli cft073 (efi target efi-506413) complexed with cofactor nadh
83	c6n7lB	Alignment	not modelled	100.0	15	PDB header: oxidoreductase Chain: B: PDB Molecule: alcohol dehydrogenase; PDBTitle: crystal structure of an alcohol dehydrogenase from elizabethkingia2 anophelis nuhp1
84	c2vn8B	Alignment	not modelled	100.0	21	PDB header: receptor inhibitor Chain: B: PDB Molecule: reticulon-4-interacting protein 1; PDBTitle: crystal structure of human reticulon 4 interacting protein 1 in2 complex with nadph
85	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
86	c2w4qA	Alignment	not modelled	100.0	13	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
87	c2j3iB	Alignment	not modelled	100.0	14	PDB header: oxidoreductase Chain: B: PDB Molecule: nadp-dependent oxidoreductase p1; PDBTitle: crystal structure of arabidopsis thaliana double bond2 reductase (at5g16970)-binary complex
88	c3gohA	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: A: PDB Molecule: alcohol dehydrogenase, zinc-containing; PDBTitle: crystal structure of alcohol dehydrogenase superfamily protein2 (np_718042.1) from shewanella oneidensis at 1.55 a resolution
89	c1zsvB	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
90	c5h81A	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: heteroyohimbine synthase thas2; PDBTitle: heteroyohimbine synthase thas2 from catharanthus roseus - complex with2 nadp+
91	c5vm2A	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: A: PDB Molecule: alcohol dehydrogenase; PDBTitle: crystal structure of eck1772, an oxidoreductase/dehydrogenase of2 unknown specificity involved in membrane biogenesis from escherichia3 coli
92	c5dovB	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: B: PDB Molecule: jamj; PDBTitle: crystal structure of jamj enoyl reductase (apo form)
93	c2vvpA	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: glucose dehydrogenase; PDBTitle: haloferax mediterranei glucose dehydrogenase in complex with nadph and2 zn. PDB header: plant protein Chain: C: PDB Molecule: zingiber officinale double bond reductase; PDBTitle: structure of the apo form of a zingiber officinale double bond2 reductase
94	c4mkrC	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: C: PDB Molecule: l-idonate 5-dehydrogenase (nad(p)(+)); PDBTitle: the crystal structure of l-idonate 5-dehydrogenase from escherichia2 coli str. k-12 substr. mg1655
95	c6dkhC	Alignment	not modelled	100.0	15	PDB header: oxidoreductase Chain: C: PDB Molecule: glucose 1-dehydrogenase; PDBTitle: structure of a glucose dehydrogenase t277f mutant in complex with nadp
96	c3widC	Alignment	not modelled	100.0	16	PDB header: oxidoreductase Chain: C: PDB Molecule: l-arabinitol 4-dehydrogenase; PDBTitle: l-arabinitol 4-dehydrogenase
97	c3m6iA	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: l-arabinitol 4-dehydrogenase; PDBTitle: l-arabinitol 4-dehydrogenase
98	c4idbA	Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: A: PDB Molecule: ripening-induced protein; PDBTitle: structure of the fragaria x ananassa enone oxidoreductase in complex2 with nadp+
99	c6eowC	Alignment	not modelled	100.0	16	PDB header: transferase Chain: C: PDB Molecule: ketone/zingerone synthase 1; PDBTitle: structure of raspberry ketone synthase with hydroxybenzalacetone
100	c3slkB	Alignment	not modelled	100.0	27	PDB header: oxidoreductase Chain: B: PDB Molecule: polyketide synthase extender module 2; PDBTitle: structure of ketoreductase and enoylreductase didomain from modular2 polyketide synthase
101	c1iz0A	Alignment	not modelled	100.0	30	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
102	c2h6eA	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A: PDB Molecule: d-arabinose 1-dehydrogenase; PDBTitle: crystal structure of the d-arabinose dehydrogenase from

						sulfolobus2 solfataricus
103	c6fn6A_	Alignment	not modelled	99.9	18	PDB header: transferase Chain: A: PDB Molecule: fatty acid synthase 1, isoform a; PDBTitle: modifying region (dh-er-kr) of an insect fatty acid synthase (fas)
104	d1uufa1	Alignment	not modelled	99.9	16	Fold: GroES-like Superfamily: GroES-like Family: Alcohol dehydrogenase-like, N-terminal domain
105	d1p0fa1	Alignment	not modelled	99.9	17	Fold: GroES-like Superfamily: GroES-like Family: Alcohol dehydrogenase-like, N-terminal domain
106	d1f8fa1	Alignment	not modelled	99.9	19	Fold: GroES-like Superfamily: GroES-like Family: Alcohol dehydrogenase-like, N-terminal domain
107	d1piwa1	Alignment	not modelled	99.9	20	Fold: GroES-like Superfamily: GroES-like Family: Alcohol dehydrogenase-like, N-terminal domain
108	d1pl8a1	Alignment	not modelled	99.8	19	Fold: GroES-like Superfamily: GroES-like Family: Alcohol dehydrogenase-like, N-terminal domain
109	d1cdoa1	Alignment	not modelled	99.8	25	Fold: GroES-like Superfamily: GroES-like Family: Alcohol dehydrogenase-like, N-terminal domain
110	d1xa0a1	Alignment	not modelled	99.8	18	Fold: GroES-like Superfamily: GroES-like Family: Alcohol dehydrogenase-like, N-terminal domain
111	d1u3wa1	Alignment	not modelled	99.8	22	Fold: GroES-like Superfamily: GroES-like Family: Alcohol dehydrogenase-like, N-terminal domain
112	d1gu7a1	Alignment	not modelled	99.8	18	Fold: GroES-like Superfamily: GroES-like Family: Alcohol dehydrogenase-like, N-terminal domain
113	d1kola1	Alignment	not modelled	99.8	17	Fold: GroES-like Superfamily: GroES-like Family: Alcohol dehydrogenase-like, N-terminal domain
114	d1d1ta1	Alignment	not modelled	99.8	23	Fold: GroES-like Superfamily: GroES-like Family: Alcohol dehydrogenase-like, N-terminal domain
115	d1u3ta1	Alignment	not modelled	99.8	23	Fold: GroES-like Superfamily: GroES-like Family: Alcohol dehydrogenase-like, N-terminal domain
116	d1jvba1	Alignment	not modelled	99.8	22	Fold: GroES-like Superfamily: GroES-like Family: Alcohol dehydrogenase-like, N-terminal domain
117	d1e3ia1	Alignment	not modelled	99.8	25	Fold: GroES-like Superfamily: GroES-like Family: Alcohol dehydrogenase-like, N-terminal domain
118	d2fzwa1	Alignment	not modelled	99.8	26	Fold: GroES-like Superfamily: GroES-like Family: Alcohol dehydrogenase-like, N-terminal domain
119	d1u3ua1	Alignment	not modelled	99.8	23	Fold: GroES-like Superfamily: GroES-like Family: Alcohol dehydrogenase-like, N-terminal domain
120	d2jhfa1	Alignment	not modelled	99.8	23	Fold: GroES-like Superfamily: GroES-like Family: Alcohol dehydrogenase-like, N-terminal domain