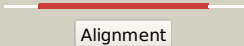

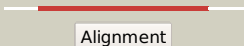

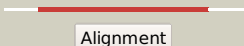






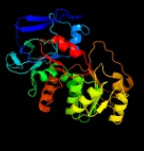
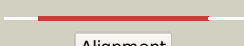
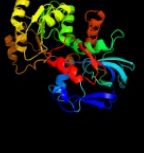

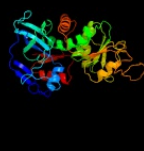

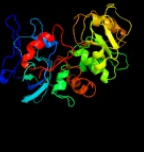






Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD0149 (-) _175698_176666
Date	Tue Jul 23 14:50:19 BST 2019
Unique Job ID	7233087c6d13e050

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c3krtC_	 Alignment		100.0	24	PDB header: oxidoreductase Chain: C: PDB Molecule: crotonyl coa reductase; PDBTitle: crystal structure of putative crotonyl coa reductase from streptomyces2 coelicolor a3(2)
2	c4gi2B_	 Alignment		100.0	23	PDB header: oxidoreductase Chain: B: PDB Molecule: crotonyl-coa carboxylase/reductase; PDBTitle: crotonyl-coa carboxylase/reductase
3	c3qwbC_	 Alignment		100.0	24	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
4	c2j8zA_	 Alignment		100.0	24	PDB header: oxidoreductase Chain: A: PDB Molecule: quinone oxidoreductase; PDBTitle: crystal structure of human p53 inducible oxidoreductase (2 tp53i3,pig3)
5	c4y0kA_	 Alignment		100.0	23	PDB header: oxidoreductase Chain: A: PDB Molecule: ante; PDBTitle: structure of crotonyl-coa carboxylase/reductase ante in complex with2 nadp
6	c3uogB_	 Alignment		100.0	27	PDB header: oxidoreductase Chain: B: PDB Molecule: alcohol dehydrogenase; PDBTitle: crystal structure of putative alcohol dehydrogenase from sinorhizobium2 meliloti 1021
7	c3jynA_	 Alignment		100.0	26	PDB header: oxidoreductase Chain: A: PDB Molecule: quinone oxidoreductase; PDBTitle: crystal structures of pseudomonas syringae pv. tomato dc30002 quinone oxidoreductase complexed with nadph
8	c4a10A_	 Alignment		100.0	24	PDB header: oxidoreductase Chain: A: PDB Molecule: octenoyl-coa reductase/carboxylase; PDBTitle: apo-structure of 2-octenoyl-coa carboxylase reductase cinf from2 streptomyces sp.
9	c1y9eB_	 Alignment		100.0	22	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: hypothetical protein yhfp; PDBTitle: crystal structure of bacillus subtilis protein yhfp with nad bound
10	c4j6fB_	 Alignment		100.0	28	PDB header: oxidoreductase Chain: B: PDB Molecule: putative alcohol dehydrogenase; PDBTitle: crystal structure of putative alcohol dehydrogenase from sinorhizobium2 meliloti 1021, nysgrc-target 012230
11	c4rvsA_	 Alignment		100.0	30	PDB header: electron transport Chain: A: PDB Molecule: probable quinone reductase qor (nadh:quinone reductase) PDBTitle: the native structure of mycobacterial quinone oxidoreductase rv154c.

12	c1qorA_	Alignment		100.0	22	PDB header: oxidoreductase Chain: A: PDB Molecule: quinone oxidoreductase; PDBTitle: crystal structure of escherichia coli quinone oxidoreductase complexed2 with nadph
13	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
14	c3ukoA_	Alignment		100.0	20	PDB header: oxidoreductase Chain: A: PDB Molecule: alcohol dehydrogenase class-3; PDBTitle: crystal structure of s-nitrosogluthatione reductase from arabidopsis2 thaliana, complex with nadh
15	c1wlyA_	Alignment		100.0	27	PDB header: oxidoreductase Chain: A: PDB Molecule: 2-haloacrylate reductase; PDBTitle: crystal structure of 2-haloacrylate reductase
16	c3pi7A_	Alignment		100.0	15	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
17	c5a3jF_	Alignment		100.0	22	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.
18	c1yb5A_	Alignment		100.0	26	PDB header: oxidoreductase Chain: A: PDB Molecule: quinone oxidoreductase; PDBTitle: crystal structure of human zeta-crystallin with bound nadp
19	c4eyeA_	Alignment		100.0	53	PDB header: oxidoreductase Chain: A: PDB Molecule: probable oxidoreductase; PDBTitle: crystal structure of a probable oxidoreductase from mycobacterium2 abscessus solved by iodide ion sad
20	c3gmsA_	Alignment		100.0	19	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
21	c2eihA_	Alignment	not modelled	100.0	29	PDB header: oxidoreductase Chain: A: PDB Molecule: alcohol dehydrogenase; PDBTitle: crystal structure of nad-dependent alcohol dehydrogenase
22	c4dvjA_	Alignment	not modelled	100.0	23	PDB header: oxidoreductase 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
23	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
24	c5zxnA_	Alignment	not modelled	100.0	15	PDB header: oxidoreductase Chain: A: PDB Molecule: nadp-dependent oxidoreductase; PDBTitle: crystal structure of cura from vibrio vulnificus
25	c4jxkA_	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A: PDB Molecule: oxidoreductase; PDBTitle: crystal structure of oxidoreductase rop_24000 (target efi-506400) from2 rhodococcus opacus b4
26	c5gxeA_	Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: A: PDB Molecule: acrylyl-coa reductase acui; PDBTitle: crystal structure of acryloyl-coa reductase acui in complex with nadph
27	c1ma0B_	Alignment	not modelled	100.0	20	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
28	c1vj0B_	Alignment	not modelled	100.0	23	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
29	c4jbiB_	Alignment	not modelled	100.0	28 PDB header: oxidoreductase Chain: B: PDB Molecule: alcohol dehydrogenase (zinc); PDBTitle: 2.35a resolution structure of nadph bound thermostable alcohol2 dehydrogenase from pyrobaculum aerophilum
30	c5k1sD_	Alignment	not modelled	100.0	28 PDB header: oxidoreductase Chain: D: PDB Molecule: oxidoreductase, zinc-binding dehydrogenase family; PDBTitle: crystal structure of aibc
31	c2xaaC_	Alignment	not modelled	100.0	26 PDB header: oxidoreductase 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
32	c2ejvA_	Alignment	not modelled	100.0	22 PDB header: oxidoreductase Chain: A: PDB Molecule: l-threonine 3-dehydrogenase; PDBTitle: crystal structure of threonine 3-dehydrogenase complexed with nad+
33	c1n9gF_	Alignment	not modelled	100.0	17 PDB header: hydrolase Chain: F: PDB Molecule: 2,4-dienoyl-coa reductase; PDBTitle: mitochondrial 2-enoyl thioester reductase etr1p/etr2p heterodimer from2 candida tropicalis
34	c1r37B_	Alignment	not modelled	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
35	c1xa0B_	Alignment	not modelled	100.0	24 PDB header: structural genomics, unknown function Chain: B: PDB Molecule: putative nadph dependent oxidoreductases; PDBTitle: crystal structure of mcsg target apc35536 from bacillus2 stearothermophilus
36	c1o89A_	Alignment	not modelled	100.0	21 PDB header: structural genomics, unknown function Chain: A: PDB Molecule: yhdh; PDBTitle: crystal structure of e. coli k-12 yhdh
37	c1h2bA_	Alignment	not modelled	100.0	27 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
38	c2dphA_	Alignment	not modelled	100.0	20 PDB header: oxidoreductase Chain: A: PDB Molecule: formaldehyde dismutase; PDBTitle: crystal structure of formaldehyde dismutase
39	c1hf3A_	Alignment	not modelled	100.0	19 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
40	c2c0cB_	Alignment	not modelled	100.0	28 PDB header: oxidoreductase Chain: B: PDB Molecule: zinc binding alcohol dehydrogenase, domain containing 2; PDBTitle: structure of the mgc45594 gene product
41	c1f8fA_	Alignment	not modelled	100.0	21 PDB header: oxidoreductase Chain: A: PDB Molecule: benzyl alcohol dehydrogenase; PDBTitle: crystal structure of benzyl alcohol dehydrogenase from acinetobacter2 calcoaceticus
42	c1pl6A_	Alignment	not modelled	100.0	19 PDB header: oxidoreductase Chain: A: PDB Molecule: sorbitol dehydrogenase; PDBTitle: human sdh/nadh/inhibitor complex
43	c3iupB_	Alignment	not modelled	100.0	18 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
44	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 staphylococcus2 haemolyticus
45	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
46	c1cdoB_	Alignment	not modelled	100.0	21 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
47	c4gkvC_	Alignment	not modelled	100.0	20 PDB header: oxidoreductase Chain: C: PDB Molecule: alcohol dehydrogenase, propanol-preferring; PDBTitle: structure of escherichia coli adhP (ethanol-inducible dehydrogenase)2 with bound nad
48	c5tnxA_	Alignment	not modelled	100.0	19 PDB header: oxidoreductase Chain: A: PDB Molecule: alcohol dehydrogenase zinc-binding domain protein; PDBTitle: crystal structure of alcohol dehydrogenase zinc-binding domain protein2 from burkholderia ambifaria
49	c2dfvB_	Alignment	not modelled	100.0	27 PDB header: oxidoreductase Chain: B: PDB Molecule: probable l-threonine 3-dehydrogenase; PDBTitle: hyperthermophilic threonine dehydrogenase from pyrococcus horikoshii
50	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
51	c4b7cB_	Alignment	not modelled	100.0	18 PDB header: oxidoreductase Chain: B: PDB Molecule: probable oxidoreductase; PDBTitle: crystal structure of hypothetical protein pa1648 from2 pseudomonas aeruginosa.
52	c4rquA_	Alignment	not modelled	100.0	17 PDB header: oxidoreductase Chain: A: PDB Molecule: alcohol dehydrogenase; PDBTitle: alcohol dehydrogenase crystal structure in complex with nad
53	c2ccD_	Alignment	not modelled	100.0	21 PDB header: oxidoreductase Chain: D: PDB Molecule: alcohol dehydrogenase 4;

53	c3c5bD	Alignment	not modelled	100.0	41	PDBTitle: crystal structure of human class ii alcohol dehydrogenase (adh4) in2 complex with nad and zn PDB header: oxidoreductase
54	c4a2cB	Alignment	not modelled	100.0	18	Chain: B: PDB Molecule: galactitol-1-phosphate 5-dehydrogenase; PDBTitle: crystal structure of galactitol-1-phosphate dehydrogenase from2 escherichia coli
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	c5dp1A	Alignment	not modelled	100.0	16	PDB header: oxidoreductase Chain: A: PDB Molecule: curk; PDBTitle: crystal structure of curk enoyl reductase
57	c2cf5A	Alignment	not modelled	100.0	23	PDB header: oxidoreductase Chain: A: PDB Molecule: cinnamyl alcohol dehydrogenase; PDBTitle: crystal structures of the arabidopsis cinnamyl alcohol2 dehydrogenases, atcad5
58	c2hcyD	Alignment	not modelled	100.0	25	PDB header: oxidoreductase Chain: D: PDB Molecule: alcohol dehydrogenase 1; PDBTitle: yeast alcohol dehydrogenase i, saccharomyces cerevisiae fermentative2 enzyme
59	c2j3iB	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: B: PDB Molecule: nadp-dependent oxidoreductase p1; PDBTitle: crystal structure of arabidopsis thaliana double bond2 reductase (at5g16970)-binary complex
60	c4cpdA	Alignment	not modelled	100.0	25	PDB header: oxidoreductase Chain: A: PDB Molecule: alcohol dehydrogenase; PDBTitle: alcohol dehydrogenase tadh from thermus sp. atn1
61	c3ip1C	Alignment	not modelled	100.0	23	PDB header: oxidoreductase Chain: C: PDB Molecule: alcohol dehydrogenase, zinc-containing; PDBTitle: structure of putative alcohol dehydrogenase (tm_042) from thermotoga2 maritima
62	c1piwA	Alignment	not modelled	100.0	19	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 saccharomyces cerevisiae
63	c5fi5A	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A: PDB Molecule: tetrahydroalstonine synthase; PDBTitle: heteroyohimbine synthase thas1 from catharanthus roseus - apo form
64	c5kiaA	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: A: PDB Molecule: l-threonine 3-dehydrogenase; PDBTitle: crystal structure of l-threonine 3-dehydrogenase from burkholderia2 thailandensis
65	c3gazA	Alignment	not modelled	100.0	25	PDB header: oxidoreductase Chain: A: PDB Molecule: alcohol dehydrogenase superfamily protein; PDBTitle: crystal structure of an alcohol dehydrogenase superfamily protein from2 novosphingobium aromaticivorans
66	c2cdaA	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: glucose dehydrogenase; PDBTitle: sulfobolus solfataricus glucose dehydrogenase 1 in complex with nadp
67	c4eezB	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: B: PDB Molecule: alcohol dehydrogenase 1; PDBTitle: crystal structure of lactococcus lactis alcohol dehydrogenase variant2 re1
68	c1p0fA	Alignment	not modelled	100.0	20	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
69	c3tqhA	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: quinone oxidoreductase; PDBTitle: structure of the quinone oxidoreductase from coxiella burnetii
70	c1kolA	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: A: PDB Molecule: formaldehyde dehydrogenase; PDBTitle: crystal structure of formaldehyde dehydrogenase
71	c4oaqA	Alignment	not modelled	100.0	20	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
72	c6n7iB	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: B: PDB Molecule: alcohol dehydrogenase; PDBTitle: crystal structure of an alcohol dehydrogenase from elizabethkingia2 anophelis nuhp1
73	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 (lovC) with bound nadp
74	c5dp2A	Alignment	not modelled	100.0	14	PDB header: oxidoreductase Chain: A: PDB Molecule: curf; PDBTitle: curf er cyclopropanase from curacin a biosynthetic pathway
75	c2w4qA	Alignment	not modelled	100.0	15	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
76	c4ilkB	Alignment	not modelled	100.0	20	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
77	c1rjwA	Alignment	not modelled	100.0	25	PDB header: oxidoreductase Chain: A: PDB Molecule: alcohol dehydrogenase; PDBTitle: crystal structure of nad(+)-dependent alcohol dehydrogenase2 from bacillus stearothermophilus strain lld-r PDB header: oxidoreductase

78	c3widC_	Alignment	not modelled	100.0	17	Chain: C; PDB Molecule: glucose 1-dehydrogenase; PDBTitle: structure of a glucose dehydrogenase t277f mutant in complex with nadp
79	c6c49A_	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A; PDB Molecule: alcohol dehydrogenase; PDBTitle: crystal structure of alcohol dehydrogenase from acinetobacter2 baumannii
80	c1yqxB_	Alignment	not modelled	100.0	23	PDB header: oxidoreductase Chain: B; PDB Molecule: sinapyl alcohol dehydrogenase; PDBTitle: sinapyl alcohol dehydrogenase at 2.5 angstrom resolution
81	c4mkrC_	Alignment	not modelled	100.0	18	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
82	c1lluD_	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: D; PDB Molecule: alcohol dehydrogenase; PDBTitle: the ternary complex of pseudomonas aeruginosa alcohol2 dehydrogenase with its coenzyme and weak substrate
83	c5vktB_	Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: B; PDB Molecule: cinnamyl alcohol dehydrogenases (sbcad4); PDBTitle: cinnamyl alcohol dehydrogenases (sbcad4) from sorghum bicolor (l.)2 moench
84	c1zsvB_	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: B; PDB Molecule: nadp-dependent leukotriene b4 12- PDBTitle: crystal structure of human nadp-dependent leukotriene b4 12-2 hydroxydehydrogenase
85	c5dovB_	Alignment	not modelled	100.0	13	PDB header: oxidoreductase Chain: B; PDB Molecule: jamj; PDBTitle: crystal structure of jamj enoyl reductase (apo form)
86	c2ouiB_	Alignment	not modelled	100.0	16	PDB header: oxidoreductase Chain: B; PDB Molecule: nadp-dependent alcohol dehydrogenase; PDBTitle: d275p mutant of alcohol dehydrogenase from protozoa entamoeba2 histolytica
87	c1kevB_	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: B; PDB Molecule: nadp-dependent alcohol dehydrogenase; PDBTitle: structure of nadp-dependent alcohol dehydrogenase
88	c2vvpA_	Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: A; PDB Molecule: glucose dehydrogenase; PDBTitle: haloferax mediterranei glucose dehydrogenase in complex with nadph and2 zn.
89	c4ejmA_	Alignment	not modelled	100.0	17	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
90	c1iz0A_	Alignment	not modelled	100.0	33	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
91	c1e3jA_	Alignment	not modelled	100.0	16	PDB header: oxidoreductase Chain: A; PDB Molecule: nadp(h)-dependent ketose reductase; PDBTitle: ketose reductase (sorbitol dehydrogenase) from silverleaf2 whitefly
92	c2vn8B_	Alignment	not modelled	100.0	18	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
93	c6dkhC_	Alignment	not modelled	100.0	19	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
94	c5vm2A_	Alignment	not modelled	100.0	17	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
95	c3slkB_	Alignment	not modelled	100.0	25	PDB header: oxidoreductase Chain: B; PDB Molecule: polyketide synthase extender module 2; PDBTitle: structure of ketoreductase and enoylreductase didomain from modular2 polyketide synthase
96	c3gohA_	Alignment	not modelled	100.0	11	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
97	c5h81A_	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: A; PDB Molecule: heteroyohimbine synthase thas2; PDBTitle: heteroyohimbine synthase thas2 from catharanthus roseus - complex with2 nadp+
98	c1uufA_	Alignment	not modelled	100.0	18	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
99	c6eowC_	Alignment	not modelled	100.0	19	PDB header: transferase Chain: C; PDB Molecule: ketone/zingerone synthase 1; PDBTitle: structure of raspberry ketone synthase with hydroxybenzalacetone
100	c3m6iA_	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: A; PDB Molecule: l-arabinitol 4-dehydrogenase; PDBTitle: l-arabinitol 4-dehydrogenase
101	c2h6eA_	Alignment	not modelled	100.0	24	PDB header: oxidoreductase Chain: A; PDB Molecule: d-arabinose 1-dehydrogenase; PDBTitle: crystal structure of the d-arabinose dehydrogenase from sulfolobus2 solfataricus
102	c4idbA_	Alignment	not modelled	100.0	23	PDB header: oxidoreductase Chain: A; PDB Molecule: ripening-induced protein; PDBTitle: structure of the fragaria x ananassa enone oxidoreductase in complex2 with nadp+
						PDB header: transferase

103	c6fn6A_	Alignment	not modelled	100.0	19	Chain: A: PDB Molecule: fatty acid synthase 1, isoform a; PDBTitle: modifying region (dh-er-kr) of an insect fatty acid synthase (fas)
104	d1f8fa1	Alignment	not modelled	99.9	15	Fold: GroES-like Superfamily: GroES-like Family: Alcohol dehydrogenase-like, N-terminal domain
105	c2vz8A_	Alignment	not modelled	99.8	19	PDB header: transferase Chain: A: PDB Molecule: fatty acid synthase; PDBTitle: crystal structure of mammalian fatty acid synthase
106	c2vz8B_	Alignment	not modelled	99.8	20	PDB header: transferase Chain: B: PDB Molecule: fatty acid synthase; PDBTitle: crystal structure of mammalian fatty acid synthase
107	d1xa0a1	Alignment	not modelled	99.8	26	Fold: GroES-like Superfamily: GroES-like Family: Alcohol dehydrogenase-like, N-terminal domain
108	d1gu7a1	Alignment	not modelled	99.8	13	Fold: GroES-like Superfamily: GroES-like Family: Alcohol dehydrogenase-like, N-terminal domain
109	d1yb5a1	Alignment	not modelled	99.8	22	Fold: GroES-like Superfamily: GroES-like Family: Alcohol dehydrogenase-like, N-terminal domain
110	d1pl8a1	Alignment	not modelled	99.8	19	Fold: GroES-like Superfamily: GroES-like Family: Alcohol dehydrogenase-like, N-terminal domain
111	d1p0fa1	Alignment	not modelled	99.8	15	Fold: GroES-like Superfamily: GroES-like Family: Alcohol dehydrogenase-like, N-terminal domain
112	d1uufa1	Alignment	not modelled	99.8	24	Fold: GroES-like Superfamily: GroES-like Family: Alcohol dehydrogenase-like, N-terminal domain
113	d1piwa1	Alignment	not modelled	99.8	22	Fold: GroES-like Superfamily: GroES-like Family: Alcohol dehydrogenase-like, N-terminal domain
114	d1o89a1	Alignment	not modelled	99.8	24	Fold: GroES-like Superfamily: GroES-like Family: Alcohol dehydrogenase-like, N-terminal domain
115	d1jvba1	Alignment	not modelled	99.8	18	Fold: GroES-like Superfamily: GroES-like Family: Alcohol dehydrogenase-like, N-terminal domain
116	d1u3wa1	Alignment	not modelled	99.8	19	Fold: GroES-like Superfamily: GroES-like Family: Alcohol dehydrogenase-like, N-terminal domain
117	d1cdoa1	Alignment	not modelled	99.7	21	Fold: GroES-like Superfamily: GroES-like Family: Alcohol dehydrogenase-like, N-terminal domain
118	d1iz0a1	Alignment	not modelled	99.7	37	Fold: GroES-like Superfamily: GroES-like Family: Alcohol dehydrogenase-like, N-terminal domain
119	d1d1ta1	Alignment	not modelled	99.7	21	Fold: GroES-like Superfamily: GroES-like Family: Alcohol dehydrogenase-like, N-terminal domain
120	d1qora1	Alignment	not modelled	99.7	16	Fold: GroES-like Superfamily: GroES-like Family: Alcohol dehydrogenase-like, N-terminal domain