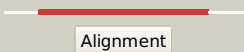

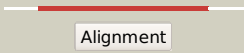

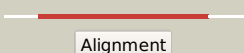

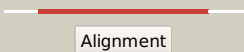

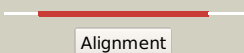

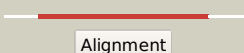

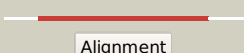
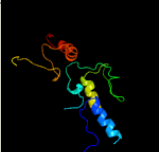




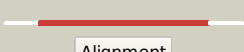

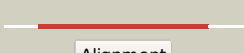
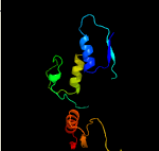
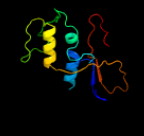






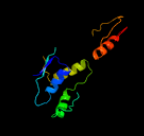
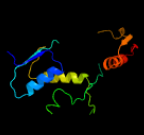


Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD3742c_(-)_4193028_4193423
Date	Fri Aug 9 18:20:44 BST 2019
Unique Job ID	24a8b156a9fb2310

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c5mq6A_	 Alignment		100.0	30	PDB header: oxidoreductase Chain: A: PDB Molecule: pyridine nucleotide-disulfide oxidoreductase-like protein; PDBTitle: polycyclic ketone monooxygenase from the thermophilic fungus2 thermotheomyces thermophila
2	c5m0zA_	 Alignment		100.0	26	PDB header: oxidoreductase Chain: A: PDB Molecule: cyclohexanone monooxygenase from thermocrisum municipale.; PDBTitle: cyclohexanone monooxygenase from t. municipale: reduced enzyme bound2 to nadp+
3	c3gwdA_	 Alignment		100.0	26	PDB header: oxidoreductase Chain: A: PDB Molecule: cyclohexanone monooxygenase; PDBTitle: closed crystal structure of cyclohexanone monooxygenase
4	c5j7xA_	 Alignment		100.0	28	PDB header: oxidoreductase Chain: A: PDB Molecule: dimethylaniline monooxygenase, putative; PDBTitle: baeyer-villiger monooxygenase bvmoafi838 from aspergillus flavus
5	c1w4xA_	 Alignment		100.0	32	PDB header: oxygenase Chain: A: PDB Molecule: phenylacetone monooxygenase; PDBTitle: phenylacetone monooxygenase, a baeyer-villiger2 monooxygenase
6	c3uclA_	 Alignment		100.0	25	PDB header: oxidoreductase Chain: A: PDB Molecule: cyclohexanone monooxygenase; PDBTitle: cyclohexanone-bound crystal structure of cyclohexanone monooxygenase2 in the rotated conformation
7	c4ap3A_	 Alignment		100.0	30	PDB header: oxidoreductase Chain: A: PDB Molecule: steroid monooxygenase; PDBTitle: oxidized steroid monooxygenase bound to nadp
8	c3uoyB_	 Alignment		100.0	27	PDB header: oxidoreductase Chain: B: PDB Molecule: otemo; PDBTitle: crystal structure of otemo complex with fad and nadp (form 1)
9	c6jdkA_	 Alignment		100.0	25	PDB header: oxidoreductase Chain: A: PDB Molecule: baeyer-villiger monooxygenase; PDBTitle: crystal structure of baeyer-villiger monooxygenase from parvibaculum2 lavamentivorans
10	c6a37A_	 Alignment		100.0	29	PDB header: oxidoreductase Chain: A: PDB Molecule: putative flavin-binding monooxygenase; PDBTitle: x-ray structure of cyclohexanone monooxygenase from acinetobacter2 calcoaceticus
11	c2vq7B_	 Alignment		99.9	12	PDB header: oxidoreductase Chain: B: PDB Molecule: flavin-containing monooxygenase; PDBTitle: bacterial flavin-containing monooxygenase in complex with2 nadp: native data

12	d1w4xa1	Alignment		99.9	29	Fold: FAD/NAD(P)-binding domain Superfamily: FAD/NAD(P)-binding domain Family: FAD/NAD-linked reductases, N-terminal and central domains
13	c1vqwB_	Alignment		99.8	21	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: protein with similarity to flavin-containing PDBTitle: crystal structure of a protein with similarity to flavin-2 containing monooxygenases and to mammalian dimethylalanine3 monooxygenases
14	c5gsnD_	Alignment		99.8	12	PDB header: flavoprotein Chain: D: PDB Molecule: flavin-containing monooxygenase; PDBTitle: tmm in complex with methimazole
15	c5nmwA_	Alignment		99.8	25	PDB header: oxidoreductase Chain: A: PDB Molecule: flavin-containing monooxygenase; PDBTitle: crystal structure of the pyrrolizidine alkaloid n-oxygenase from2 zonocerus variegatus in complex with fad
16	c3s5wB_	Alignment		99.8	21	PDB header: oxidoreductase Chain: B: PDB Molecule: l-ornithine 5-monooxygenase; PDBTitle: ornithine hydroxylase (pvda) from pseudomonas aeruginosa
17	c4b68A_	Alignment		99.7	20	PDB header: oxidoreductase Chain: A: PDB Molecule: l-ornithine n5 monooxygenase; PDBTitle: a. fumigatus ornithine hydroxylase (sida), re-oxidised state bound to2 nadp and arg
18	c5cqaA_	Alignment		99.7	23	PDB header: oxidoreductase Chain: A: PDB Molecule: l-lysine 6-monooxygenase; PDBTitle: crystal structure of l-lysine 6-monooxygenase from pseudomonas2 syringae
19	c4d7eA_	Alignment		99.7	21	PDB header: oxidoreductase Chain: A: PDB Molecule: l-lys monooxygenase; PDBTitle: an unprecedented nadph domain conformation in lysine2 monooxygenase nbtg from nocardia farcinica
20	c4tixC_	Alignment		99.6	20	PDB header: oxidoreductase Chain: C: PDB Molecule: ktzi; PDBTitle: kutzneria sp. 744 ornithine n-hydroxylase, ktzi-fadred-nadp+-l-orn
21	c3d1cA_	Alignment	not modelled	99.6	21	PDB header: oxidoreductase Chain: A: PDB Molecule: flavin-containing putative monooxygenase; PDBTitle: crystal structure of flavin-containing putative monooxygenase2 (np_373108.1) from staphylococcus aureus mu50 at 2.40 a resolution
22	c5o8rA_	Alignment	not modelled	99.5	13	PDB header: biosynthetic protein Chain: A: PDB Molecule: l-lysine 6-monooxygenase involved in desferrioxamine PDBTitle: the crystal structure of dfoa bound to fad and nadp; the2 desferrioxamine biosynthetic pathway cadaverine monooxygenase from3 the fire blight disease pathogen erwinia amylovora
23	c4usrA_	Alignment	not modelled	99.4	18	PDB header: oxidoreductase Chain: A: PDB Molecule: monooxygenase; PDBTitle: structure of flavin-containing monooxygenase from2 pseudomonas stutzeri nf13
24	c1lqtB_	Alignment	not modelled	99.3	19	PDB header: oxidoreductase Chain: B: PDB Molecule: fpra; PDBTitle: a covalent modification of nadp+ revealed by the atomic resolution2 structure of fpra, a mycobacterium tuberculosis oxidoreductase
25	c1cjcA_	Alignment	not modelled	99.2	17	PDB header: oxidoreductase Chain: A: PDB Molecule: protein (adrenodoxin reductase); PDBTitle: structure of adrenodoxin reductase of mitochondrial p450 systems
26	d1gesa1	Alignment	not modelled	99.2	15	Fold: FAD/NAD(P)-binding domain Superfamily: FAD/NAD(P)-binding domain Family: FAD/NAD-linked reductases, N-terminal and central domains
27	c2ywlA_	Alignment	not modelled	99.2	24	PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin reductase related protein; PDBTitle: crystal structure of thioredoxin reductase-related protein ttha03702 from thermus thermophilus hb8

28	c4a9wB_	Alignment	not modelled	99.2	23	PDB header: oxidoreductase Chain: B: PDB Molecule: monoxygenase; PDBTitle: flavin-containing monoxygenase from stenotrophomonas maltophilia
29	d2gv8a1	Alignment	not modelled	99.2	18	Fold: FAD/NAD(P)-binding domain Superfamily: FAD/NAD(P)-binding domain Family: FAD/NAD-linked reductases, N-terminal and central domains
30	c1hyuA_	Alignment	not modelled	99.1	23	PDB header: oxidoreductase Chain: A: PDB Molecule: alkyl hydroperoxide reductase subunit f; PDBTitle: crystal structure of intact ahpf
31	c6gndG_	Alignment	not modelled	99.0	17	PDB header: oxidoreductase Chain: G: PDB Molecule: thioredoxin reductase; PDBTitle: crystal structure of the complex of a ferredoxin-flavin thioredoxin2 reductase and a thioredoxin from clostridium acetobutylicum at 2.9 a3 resolution
32	c3r9uA_	Alignment	not modelled	98.9	19	PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin reductase; PDBTitle: thioredoxin-disulfide reductase from campylobacter jejuni.
33	d1w4xa2	Alignment	not modelled	98.9	23	Fold: FAD/NAD(P)-binding domain Superfamily: FAD/NAD(P)-binding domain Family: FAD/NAD-linked reductases, N-terminal and central domains
34	c6gncA_	Alignment	not modelled	98.9	17	PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin reductase; PDBTitle: crystal structure of a ferredoxin-flavin thioredoxin reductase from2 clostridium acetobutylicum at 1.64 a resolution
35	c2vvdD_	Alignment	not modelled	98.9	19	PDB header: oxidoreductase Chain: D: PDB Molecule: monoamine oxidase n; PDBTitle: the structure of mao-n-d3, a variant of monoamine oxidase2 from aspergillus niger.
36	c4usqA_	Alignment	not modelled	98.9	18	PDB header: oxidoreductase Chain: A: PDB Molecule: pyridine nucleotide-disulfide oxidoreductase; PDBTitle: structure of flavin-containing monoxygenase from2 cellvibrio sp. br
37	c1v0jB_	Alignment	not modelled	98.8	17	PDB header: isomerase Chain: B: PDB Molecule: udp-galactopyranose mutase; PDBTitle: udp-galactopyranose mutase from mycobacterium tuberculosis
38	c4jinqA_	Alignment	not modelled	98.8	21	PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin reductase; PDBTitle: crystal structure of a thioredoxin reductase from brucella melitensis
39	c5uwvA_	Alignment	not modelled	98.8	23	PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin reductase; PDBTitle: the crystal structure of thioredoxin reductase from streptococcus2 pyogenes mgas5005
40	d1ps9a3	Alignment	not modelled	98.8	17	Fold: Nucleotide-binding domain Superfamily: Nucleotide-binding domain Family: N-terminal domain of adrenodoxin reductase-like
41	c3f8rD_	Alignment	not modelled	98.8	18	PDB header: oxidoreductase Chain: D: PDB Molecule: thioredoxin reductase (trxb-3); PDBTitle: crystal structure of sulfolobus solfataricus thioredoxin2 reductase b3 in complex with two nadp molecules
42	c1i8tB_	Alignment	not modelled	98.7	19	PDB header: isomerase Chain: B: PDB Molecule: udp-galactopyranose mutase; PDBTitle: strcture of udp-galactopyranose mutase from e.coli
43	d1djqa3	Alignment	not modelled	98.7	15	Fold: Nucleotide-binding domain Superfamily: Nucleotide-binding domain Family: N-terminal domain of adrenodoxin reductase-like
44	c5m5jA_	Alignment	not modelled	98.7	21	PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin reductase; PDBTitle: thioredoxin reductase from giardia duodenalis
45	c1vdcA_	Alignment	not modelled	98.7	15	PDB header: oxidoreductase Chain: A: PDB Molecule: nadph dependent thioredoxin reductase; PDBTitle: structure of nadph dependent thioredoxin reductase
46	c3hdqI_	Alignment	not modelled	98.7	21	PDB header: isomerase Chain: I: PDB Molecule: udp-galactopyranose mutase; PDBTitle: crystal structure of udp-galactopyranose mutase (oxidized2 form) in complex with substrate
47	c2zbwA_	Alignment	not modelled	98.7	23	PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin reductase; PDBTitle: crystal structure of thioredoxin reductase-like protein from thermus2 thermophilus hb8
48	c1s3bB_	Alignment	not modelled	98.7	20	PDB header: oxidoreductase Chain: B: PDB Molecule: amine oxidase [flavin-containing] b; PDBTitle: crystal structure of maob in complex with n-methyl-n-2 propargyl-1(r)-aminoindan
49	c3uteB_	Alignment	not modelled	98.7	22	PDB header: isomerase Chain: B: PDB Molecule: udp-galactopyranose mutase; PDBTitle: crystal structure of aspergillus fumigatus udp galactopyranose mutase2 sulfate complex
50	d1fl2a1	Alignment	not modelled	98.7	18	Fold: FAD/NAD(P)-binding domain Superfamily: FAD/NAD(P)-binding domain Family: FAD/NAD-linked reductases, N-terminal and central domains
51	c6bpyA_	Alignment	not modelled	98.7	21	PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin reductase; PDBTitle: aspergillus fumigatus thioredoxin reductase
52	c1f6mF_	Alignment	not modelled	98.6	21	PDB header: oxidoreductase Chain: F: PDB Molecule: thioredoxin reductase; PDBTitle: crystal structure of a complex between thioredoxin reductase,2 thioredoxin, and the nadp+ analog, aadp+
53	c2q7vA_	Alignment	not modelled	98.6	16	PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin reductase; PDBTitle: crystal structure of deinococcus radiodurans thioredoxin reductase

54	c6garB	Alignment	not modelled	98.6	20	PDB header: oxidoreductase Chain: B: PDB Molecule: ferredoxin--nadp reductase; PDBTitle: crystal structure of oxidised ferredoxin/ flavodoxin nadp+2 oxidoreductase 1 (fnr1) from bacillus cereus
55	c4i58A	Alignment	not modelled	98.6	24	PDB header: oxidoreductase Chain: A: PDB Molecule: cyclohexylamine oxidase; PDBTitle: cyclohexylamine oxidase from brevibacterium oxydans ih-35a
56	c3fbsB	Alignment	not modelled	98.6	17	PDB header: oxidoreductase Chain: B: PDB Molecule: oxidoreductase; PDBTitle: the crystal structure of the oxidoreductase from agrobacterium2 tumefaciens
57	d2qv8a2	Alignment	not modelled	98.6	12	Fold: FAD/NAD(P)-binding domain Superfamily: FAD/NAD(P)-binding domain Family: FAD/NAD-linked reductases, N-terminal and central domains
58	d1o5wa1	Alignment	not modelled	98.6	19	Fold: FAD/NAD(P)-binding domain Superfamily: FAD/NAD(P)-binding domain Family: FAD-linked reductases, N-terminal domain
59	d1i8ta1	Alignment	not modelled	98.6	19	Fold: Nucleotide-binding domain Superfamily: Nucleotide-binding domain Family: UDP-galactopyranose mutase, N-terminal domain
60	c3lzxB	Alignment	not modelled	98.6	20	PDB header: oxidoreductase Chain: B: PDB Molecule: ferredoxin--nadp reductase 2; PDBTitle: crystal structure of ferredoxin-nadp+ oxidoreductase from bacillus2 subtilis (form ii)
61	c1fl2A	Alignment	not modelled	98.6	24	PDB header: oxidoreductase Chain: A: PDB Molecule: alkyl hydroperoxide reductase subunit f; PDBTitle: catalytic core component of the alkylhydroperoxide reductase ahpf from2 e.coli
62	d2bccg1	Alignment	not modelled	98.6	18	Fold: FAD/NAD(P)-binding domain Superfamily: FAD/NAD(P)-binding domain Family: GDI-like N domain
63	c5mogB	Alignment	not modelled	98.6	16	PDB header: oxidoreductase Chain: B: PDB Molecule: phytoene dehydrogenase, chloroplastic/chromoplastic; PDBTitle: oryza sativa phytoene desaturase inhibited by norflurazon
64	c5ttkB	Alignment	not modelled	98.6	27	PDB header: oxidoreductase Chain: B: PDB Molecule: amine oxidase; PDBTitle: crystal structure of selenomethionine-incorporated nicotine2 oxidoreductase from pseudomonas putida
65	c4mo2A	Alignment	not modelled	98.6	33	PDB header: isomerase Chain: A: PDB Molecule: udp-galactopyranose mutase; PDBTitle: crystal structure of udp-n-acetylgalactopyranose mutase from2 campylobacter jejuni
66	c6qkgB	Alignment	not modelled	98.6	17	PDB header: flavoprotein Chain: B: PDB Molecule: ncr a; PDBTitle: 2-naphthoyl-coa reductase(ncr)
67	c2b9yA	Alignment	not modelled	98.5	20	PDB header: isomerase Chain: A: PDB Molecule: putative aminooxidase; PDBTitle: crystal structure of cla-producing fatty acid isomerase2 from p. acnes
68	c3jskN	Alignment	not modelled	98.5	23	PDB header: biosynthetic protein Chain: N: PDB Molecule: cypbp37 protein; PDBTitle: thiazole synthase from neurospora crassa
69	c3rhaA	Alignment	not modelled	98.5	26	PDB header: oxidoreductase Chain: A: PDB Molecule: putrescine oxidase; PDBTitle: the crystal structure of oxidoreductase from arthrobacter aureus
70	c2q0lA	Alignment	not modelled	98.5	20	PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin reductase; PDBTitle: helicobacter pylori thioredoxin reductase reduced by sodium dithionite2 in complex with nadp+
71	d1cjca2	Alignment	not modelled	98.5	12	Fold: Nucleotide-binding domain Superfamily: Nucleotide-binding domain Family: N-terminal domain of adrenodoxin reductase-like
72	c2gahB	Alignment	not modelled	98.5	24	PDB header: oxidoreductase Chain: B: PDB Molecule: heterotetrameric sarcosine oxidase beta-subunit; PDBTitle: heterotetrameric sarcosine: structure of a diflavin2 metalloenzyme at 1.85 a resolution
73	d1d5ta1	Alignment	not modelled	98.5	21	Fold: FAD/NAD(P)-binding domain Superfamily: FAD/NAD(P)-binding domain Family: GDI-like N domain
74	c3d8xB	Alignment	not modelled	98.5	17	PDB header: oxidoreductase Chain: B: PDB Molecule: thioredoxin reductase 1; PDBTitle: crystal structure of saccharomyces cerevisiae ndpH dependent2 thioredoxin reductase 1
75	c1gthD	Alignment	not modelled	98.5	17	PDB header: oxidoreductase Chain: D: PDB Molecule: dihydropyrimidine dehydrogenase; PDBTitle: dihydropyrimidine dehydrogenase (dpd) from pig, ternary complex with2 nadph and 5-iodouracil
76	c5mjkC	Alignment	not modelled	98.5	21	PDB header: oxidoreductase Chain: C: PDB Molecule: thioredoxin reductase; PDBTitle: crystal structure of lactococcus lactis thioredoxin reductase (fo2 conformation)
77	c5twcA	Alignment	not modelled	98.5	21	PDB header: oxidoreductase Chain: A: PDB Molecule: ferredoxin--nadp reductase; PDBTitle: oxidoreductase iruo in the oxidized form
78	c5w4cA	Alignment	not modelled	98.5	17	PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin reductase; PDBTitle: crystal structure of thioredoxin reductase from cryptococcus2 neoformans in complex with fad (fo conformation)
79	c3k7tB	Alignment	not modelled	98.5	33	PDB header: oxidoreductase Chain: B: PDB Molecule: 6-hydroxy-l-nicotine oxidase; PDBTitle: crystal structure of apo-form 6-hydroxy-l-nicotine oxidase, crystal2 form p3121 PDB header: oxidoreductase

80	c3lovA	Alignment	not modelled	98.5	19	Chain: A: PDB Molecule: protoporphyrinogen oxidase; PDBTitle: crystal structure of putative protoporphyrinogen oxidase2 (yp_001813199.1) from exiguobacterium sp. 255-15 at 2.06 a resolution
81	c5w1jA	Alignment	not modelled	98.5	19	PDB header: signaling protein Chain: A: PDB Molecule: thioredoxin glutathione reductase; PDBTitle: echinococcus granulosus thioredoxin glutathione reductase (egtgr)
82	c5jriA	Alignment	not modelled	98.5	16	PDB header: oxidoreductase Chain: A: PDB Molecule: pyridine nucleotide-disulfide oxidoreductase; PDBTitle: structure of an oxidoreductase semet-labelled from synechocystis sp.2 pcc6803
83	c2yg4B	Alignment	not modelled	98.5	34	PDB header: oxidoreductase Chain: B: PDB Molecule: putrescine oxidase; PDBTitle: structure-based redesign of cofactor binding in putrescine2 oxidase: wild type bound to putrescine
84	c1txR	Alignment	not modelled	98.5	20	PDB header: transferase/protein binding Chain: R: PDB Molecule: rab escort protein 1; PDBTitle: structure of rab escort protein-1 in complex with rab geranylgeranyl2 transferase and isoprenoid
85	c1ps9A	Alignment	not modelled	98.5	14	PDB header: oxidoreductase Chain: A: PDB Molecule: 2,4-dienoyl-coa reductase; PDBTitle: the crystal structure and reaction mechanism of e. coli 2,4-dienoyl2 coa reductase
86	c4fk1D	Alignment	not modelled	98.5	15	PDB header: oxidoreductase Chain: D: PDB Molecule: putative thioredoxin reductase; PDBTitle: crystal structure of putative thioredoxin reductase trxb from bacillus2 anthracis
87	c5odeA	Alignment	not modelled	98.5	17	PDB header: oxidoreductase Chain: A: PDB Molecule: gll2934 protein; PDBTitle: structure of a novel oxidoreductase from gloebacter violaceus
88	c5j60B	Alignment	not modelled	98.5	23	PDB header: oxidoreductase Chain: B: PDB Molecule: thioredoxin reductase; PDBTitle: structure of a thioredoxin reductase from gloebacter violaceus
89	c2olnA	Alignment	not modelled	98.5	15	PDB header: oxidoreductase Chain: A: PDB Molecule: nikd protein; PDBTitle: nikd, an unusual amino acid oxidase essential for2 nikkomycin biosynthesis: closed form at 1.15 a resolution
90	c3fg2P	Alignment	not modelled	98.5	16	PDB header: oxidoreductase Chain: P: PDB Molecule: putative rubredoxin reductase; PDBTitle: crystal structure of ferredoxin reductase for the cyp199a2 system from2 rhodopseudomonas palustris
91	c5jcaL	Alignment	not modelled	98.5	23	PDB header: oxidoreductase Chain: L: PDB Molecule: nadh-dependent ferredoxin:nadp oxidoreductase (nfni) PDBTitle: nadp(h) bound nadh-dependent ferredoxin:nadp oxidoreductase (nfni)2 from pyrococcus furiosus
92	c2bi8A	Alignment	not modelled	98.5	28	PDB header: isomerase Chain: A: PDB Molecule: udp-galactopyranose mutase; PDBTitle: udp-galactopyranose mutase from klebsiella pneumoniae with reduced fad
93	c5jciA	Alignment	not modelled	98.4	23	PDB header: hydrolase Chain: A: PDB Molecule: os09g0567300 protein; PDBTitle: structure and catalytic mechanism of monodehydroascorbate reductase,2 mdhar, from oryza sativa l. japonica
94	c5niiB	Alignment	not modelled	98.4	21	PDB header: oxidoreductase Chain: B: PDB Molecule: thioredoxin reductase; PDBTitle: crystal structure of the atypical thioredoxin reductase tri from2 desulfovibrio vulgaris hildenborough
95	c3ab1B	Alignment	not modelled	98.4	18	PDB header: oxidoreductase Chain: B: PDB Molecule: ferredoxin--nadp reductase; PDBTitle: crystal structure of ferredoxin nadp+ oxidoreductase
96	c5xhuA	Alignment	not modelled	98.4	24	PDB header: oxidoreductase Chain: A: PDB Molecule: ferredoxin--nadp reductase; PDBTitle: crystal structure of ycgt from bacillus subtilis
97	c6cr0A	Alignment	not modelled	98.4	35	PDB header: oxidoreductase Chain: A: PDB Molecule: (s)-6-hydroxynicotine oxidase; PDBTitle: 1.55 a resolution structure of (s)-6-hydroxynicotine oxidase from2 shinella hzn7
98	c3ic9D	Alignment	not modelled	98.4	20	PDB header: oxidoreductase Chain: D: PDB Molecule: dihydroliipoamide dehydrogenase; PDBTitle: the structure of dihydroliipoamide dehydrogenase from colwellia2 psychrerythraea 34h.
99	c3we0A	Alignment	not modelled	98.4	37	PDB header: oxidoreductase Chain: A: PDB Molecule: l-amino acid oxidase/monooxygenase; PDBTitle: l-amino acid oxidase/monooxygenase from pseudomonas sp. aiu 813
100	c4jnaA	Alignment	not modelled	98.4	24	PDB header: oxidoreductase/oxidoreductase inhibitor Chain: A: PDB Molecule: deph; PDBTitle: crystal structure of the deph complex with dimethyl-fk228
101	c3nksA	Alignment	not modelled	98.4	29	PDB header: oxidoreductase/oxidoreductase inhibitor Chain: A: PDB Molecule: protoporphyrinogen oxidase; PDBTitle: structure of human protoporphyrinogen ix oxidase
102	d1rp0a1	Alignment	not modelled	98.4	23	Fold: FAD/NAD(P)-binding domain Superfamily: FAD/NAD(P)-binding domain Family: Thi4-like
103	c6c87A	Alignment	not modelled	98.4	23	PDB header: protein transport Chain: A: PDB Molecule: rab gdp dissociation inhibitor alpha; PDBTitle: crystal structure of rab gdp dissociation inhibitor alpha from2 naegleria fowleri
104	c4dshB	Alignment	not modelled	98.4	22	PDB header: isomerase Chain: B: PDB Molecule: udp-galactopyranose mutase; PDBTitle: crystal structure of reduced udp-galactopyranose mutase
						PDB header: oxidoreductase Chain: I: PDB Molecule: glutamate synthase [nadph] small chain;

105	c2vdcl_	Alignment	not modelled	98.4	21	PDBTitle: the 9.5 a resolution structure of glutamate synthase from cryo-2 electron microscopy and its oligomerization behavior in solution:3 functional implications.
106	c4ntdA_	Alignment	not modelled	98.4	23	PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin reductase; PDBTitle: crystal structure of hlmi
107	c2e1mA_	Alignment	not modelled	98.4	31	PDB header: oxidoreductase Chain: A: PDB Molecule: l-glutamate oxidase; PDBTitle: crystal structure of l-glutamate oxidase from streptomyces sp. x-119-6
108	c2v3aA_	Alignment	not modelled	98.4	17	PDB header: oxidoreductase Chain: A: PDB Molecule: rubredoxin reductase; PDBTitle: crystal structure of rubredoxin reductase from pseudomonas2 aeruginosa.
109	d2v5za1	Alignment	not modelled	98.4	21	Fold: FAD/NAD(P)-binding domain Superfamily: FAD/NAD(P)-binding domain Family: FAD-linked reductases, N-terminal domain
110	c2ivdA_	Alignment	not modelled	98.4	25	PDB header: oxidoreductase Chain: A: PDB Molecule: protoporphyrinogen oxidase; PDBTitle: structure of protoporphyrinogen oxidase from myxococcus2 xanthus with acifluorfen
111	d2bi7a1	Alignment	not modelled	98.4	15	Fold: Nucleotide-binding domain Superfamily: Nucleotide-binding domain Family: UDP-galactopyranose mutase, N-terminal domain
112	c2r9zB_	Alignment	not modelled	98.4	22	PDB header: oxidoreductase Chain: B: PDB Molecule: glutathione amide reductase; PDBTitle: glutathione amide reductase from chromatium gracile
113	d1vg0a1	Alignment	not modelled	98.4	19	Fold: FAD/NAD(P)-binding domain Superfamily: FAD/NAD(P)-binding domain Family: GDI-like N domain
114	c4gcmB_	Alignment	not modelled	98.3	17	PDB header: oxidoreductase Chain: B: PDB Molecule: thioredoxin reductase; PDBTitle: crystal structure of a thioredoxine reductase (trxb) from2 staphylococcus aureus subsp. aureus mu50 at 1.80 a resolution
115	c1v59B_	Alignment	not modelled	98.3	28	PDB header: oxidoreductase Chain: B: PDB Molecule: dihydrolipoamide dehydrogenase; PDBTitle: crystal structure of yeast lipoamide dehydrogenase2 complexed with nad+
116	d1hyua1	Alignment	not modelled	98.3	20	Fold: FAD/NAD(P)-binding domain Superfamily: FAD/NAD(P)-binding domain Family: FAD/NAD-linked reductases, N-terminal and central domains
117	c4cnjD_	Alignment	not modelled	98.3	13	PDB header: oxidoreductase Chain: D: PDB Molecule: l-amino acid oxidase; PDBTitle: l-aminoacetone oxidase from streptococcus oligofermentans2 belongs to a new 3-domain family of bacterial flavoproteins
118	d2dw4a2	Alignment	not modelled	98.3	24	Fold: FAD/NAD(P)-binding domain Superfamily: FAD/NAD(P)-binding domain Family: FAD-linked reductases, N-terminal domain
119	d1trba1	Alignment	not modelled	98.3	14	Fold: FAD/NAD(P)-binding domain Superfamily: FAD/NAD(P)-binding domain Family: FAD/NAD-linked reductases, N-terminal and central domains
120	c4y4nE_	Alignment	not modelled	98.3	19	PDB header: biosynthetic protein Chain: E: PDB Molecule: putative ribose 1,5-bisphosphate isomerase; PDBTitle: thiazole synthase thi4 from methanococcus igneus