

















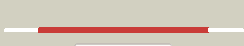





Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD1869c_(-) _2119467_2120702
Date	Fri Aug 2 13:30:48 BST 2019
Unique Job ID	da14e56f3e5fb6d9

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c3lxdA_	 Alignment		100.0	39	PDB header: oxidoreductase Chain: A: PDB Molecule: fad-dependent pyridine nucleotide-disulphide PDBTitle: crystal structure of ferredoxin reductase arr from novosphingobium2 aromaticivorans
2	c3fg2P_	 Alignment		100.0	33	PDB header: oxidoreductase Chain: P: PDB Molecule: putative rubredoxin reductase; PDBTitle: crystal structure of ferredoxin reductase for the cyp199a2 system from2 rhodospseudomonas palustris
3	c1q1wA_	 Alignment		100.0	37	PDB header: oxidoreductase Chain: A: PDB Molecule: putidaredoxin reductase; PDBTitle: crystal structure of putidaredoxin reductase from2 pseudomonas putida
4	c2gr2A_	 Alignment		100.0	37	PDB header: oxidoreductase Chain: A: PDB Molecule: ferredoxin reductase; PDBTitle: crystal structure of ferredoxin reductase, bpha4 (oxidized form)
5	c3ef6A_	 Alignment		100.0	34	PDB header: oxidoreductase Chain: A: PDB Molecule: toluene 1,2-dioxygenase system ferredoxin--nad(+) PDBTitle: crystal structure of toluene 2,3-dioxygenase reductase
6	c3ntaA_	 Alignment		100.0	29	PDB header: oxidoreductase Chain: A: PDB Molecule: fad-dependent pyridine nucleotide-disulphide PDBTitle: structure of the shewanella loihica pv-4 nadh-dependent persulfide2 reductase
7	c3icrA_	 Alignment		100.0	24	PDB header: oxidoreductase Chain: A: PDB Molecule: coenzyme a-disulfide reductase; PDBTitle: crystal structure of oxidized bacillus anthracis coadr-rhd
8	c2cduB_	 Alignment		100.0	20	PDB header: oxidoreductase Chain: B: PDB Molecule: nadh oxidase; PDBTitle: the crystal structure of water-forming nad(p)h oxidase from2 lactobacillus sanfranciscensis
9	c1nhqA_	 Alignment		100.0	20	PDB header: oxidoreductase (h2o2(a)) Chain: A: PDB Molecule: nadh peroxidase; PDBTitle: crystallographic analyses of nadh peroxidase cys42ala and cys42ser2 mutants: active site structure, mechanistic implications, and an3 unusual environment of arg303
10	c3oc4A_	 Alignment		100.0	20	PDB header: oxidoreductase Chain: A: PDB Molecule: oxidoreductase, pyridine nucleotide-disulfide family; PDBTitle: crystal structure of a pyridine nucleotide-disulfide family2 oxidoreductase from the enterococcus faecalis v583
11	c5jciA_	 Alignment		100.0	26	PDB header: hydrolase Chain: A: PDB Molecule: os09g0567300 protein; PDBTitle: structure and catalytic mechanism of monodehydroascorbate reductase,2 mdhar, from oryza sativa l. japonica

12	c1gv4A_	Alignment		100.0	27	PDB header: oxidoreductase Chain: A: PDB Molecule: programed cell death protein 8; PDBTitle: murine apoptosis-inducing factor (aif)
13	c2bcpA_	Alignment		100.0	21	PDB header: oxidoreductase Chain: A: PDB Molecule: nadh oxidase; PDBTitle: structural analysis of streptococcus pyogenes nadh oxidase: c44s nox2 with azide
14	c1yqzA_	Alignment		100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: coenzyme a disulfide reductase; PDBTitle: structure of coenzyme a-disulfide reductase from2 staphylococcus aureus refined at 1.54 angstrom resolution
15	c3iwaA_	Alignment		100.0	27	PDB header: oxidoreductase Chain: A: PDB Molecule: fad-dependent pyridine nucleotide-disulphide PDBTitle: crystal structure of a fad-dependent pyridine nucleotide-disulphide2 oxidoreductase from desulfovibrio vulgaris
16	c3kd9B_	Alignment		100.0	24	PDB header: oxidoreductase Chain: B: PDB Molecule: coenzyme a disulfide reductase; PDBTitle: crystal structure of pyridine nucleotide disulfide oxidoreductase from2 pyrococcus horikoshii
17	c5er0D_	Alignment		100.0	21	PDB header: oxidoreductase Chain: D: PDB Molecule: nadh oxidase; PDBTitle: water-forming nadh oxidase from lactobacillus brevis (lbnox)
18	c5w1jA_	Alignment		100.0	21	PDB header: signaling protein Chain: A: PDB Molecule: thioredoxin glutathione reductase; PDBTitle: echinococcus granulosus thioredoxin glutathione reductas (egtgr)
19	c3cgdB_	Alignment		100.0	22	PDB header: oxidoreductase Chain: B: PDB Molecule: pyridine nucleotide-disulfide oxidoreductase, class i; PDBTitle: pyridine nucleotide complexes with bacillus anthracis coenzyme a-2 disulfide reductase: a structural analysis of dual nad(p)h3 specificity
20	c1m6iA_	Alignment		100.0	28	PDB header: oxidoreductase Chain: A: PDB Molecule: programmed cell death protein 8; PDBTitle: crystal structure of apoptosis inducing factor (aif)
21	c3kijA_	Alignment	not modelled	100.0	26	PDB header: oxidoreductase Chain: A: PDB Molecule: nad(fad)-dependent dehydrogenase, nirb-family (n-terminal PDBTitle: crystal structure of nadh:rubredoxin oxidoreductase from clostridium2 acetobutylicum
22	c2v3aA_	Alignment	not modelled	100.0	25	PDB header: oxidoreductase Chain: A: PDB Molecule: rubredoxin reductase; PDBTitle: crystal structure of rubredoxin reductase from pseudomonas2 aeruginosa.
23	c2v6oA_	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin glutathione reductase; PDBTitle: structure of schistosoma mansoni thioredoxin-gluthathione2 reductase (smtgr)
24	c4dnaA_	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: A: PDB Molecule: probable glutathione reductase; PDBTitle: crystal structure of putative glutathione reductase from sinorhizobium2 melliloti 1021
25	c2qaeA_	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A: PDB Molecule: dihydrolipoyl dehydrogenase; PDBTitle: crystal structure analysis of trypanosoma cruzi lipoaamide2 dehydrogenase
26	c1tytA_	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: trypanothione reductase, oxidized form; PDBTitle: crystal and molecular structure of crithidia fasciculata2 trypanothione reductase at 2.6 angstroms resolution
27	c2eq7B_	Alignment	not modelled	100.0	23	PDB header: oxidoreductase Chain: B: PDB Molecule: 2-oxoglutarate dehydrogenase e3 component; PDBTitle: crystal structure of lipoaamide dehydrogenase from thermus thermophilus2 hb8 with psbdo
28	c3urbB_	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: B: PDB Molecule: dihydrolipoyl dehydrogenase;

28	c9umB	Alignment	not modelled	100.0	20	PDBTitle: crystal structure of a dihydrolipoamide dehydrogenase from <i>Sinorhizobium meliloti</i> 1021 PDB header: oxidoreductase
29	c1zmcG	Alignment	not modelled	100.0	19	Chain: G; PDB Molecule: dihydrolipoamide dehydrogenase; PDBTitle: crystal structure of human dihydrolipoamide dehydrogenase2 complexed to nad+ PDB header: oxidoreductase
30	c6aonB	Alignment	not modelled	100.0	21	Chain: B; PDB Molecule: dihydrolipoamide dehydrogenase; PDBTitle: 1.72 angstrom resolution crystal structure of 2-oxoglutarate2 dehydrogenase complex subunit dihydrolipoamide dehydrogenase from <i>Bordetella pertussis</i> in complex with fad PDB header: oxidoreductase
31	c2c3dB	Alignment	not modelled	100.0	21	Chain: B; PDB Molecule: 2-oxopropyl-com reductase; PDBTitle: 2.15 angstrom crystal structure of 2-ketopropyl coenzyme m2 oxidoreductase carboxylase with a coenzyme m disulfide3 bound at the active site PDB header: oxidoreductase
32	c1ojtA	Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: A; PDB Molecule: surface protein; PDBTitle: structure of dihydrolipoamide dehydrogenase
33	c1lvA	Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: A; PDB Molecule: dihydrolipoamide dehydrogenase; PDBTitle: the refined structure of <i>Pseudomonas putida</i> lipoamide dehydrogenase2 complexed with nad+ at 2.45 angstroms resolution PDB header: oxidoreductase
34	c2w0hA	Alignment	not modelled	100.0	18	Chain: A; PDB Molecule: trypanothione reductase; PDBTitle: x ray structure of <i>Leishmania infantum</i> trypanothione2 reductase in complex with antimony and nadph PDB header: oxidoreductase
35	c1dxlC	Alignment	not modelled	100.0	18	Chain: C; PDB Molecule: dihydrolipoamide dehydrogenase; PDBTitle: dihydrolipoamide dehydrogenase of glycine decarboxylase2 from <i>Pisum sativum</i> PDB header: oxidoreductase
36	c1ndaD	Alignment	not modelled	100.0	18	Chain: D; PDB Molecule: trypanothione oxidoreductase; PDBTitle: the structure of <i>Trypanosoma cruzi</i> trypanothione reductase in the2 oxidized and nadph reduced state PDB header: oxidoreductase
37	c6bz0C	Alignment	not modelled	100.0	20	Chain: C; PDB Molecule: dihydrolipoamide dehydrogenase; PDBTitle: 1.83 angstrom resolution crystal structure of dihydrolipoamide dehydrogenase from <i>Acinetobacter baumannii</i> in complex with fad. PDB header: complex (oxidoreductase/transferase)
38	c1ebdB	Alignment	not modelled	100.0	21	Chain: B; PDB Molecule: dihydrolipoamide dehydrogenase; PDBTitle: dihydrolipoamide dehydrogenase complexed with the binding2 domain of the dihydrolipoamide acetylase PDB header: hydrolase, oxidoreductase
39	c5v36A	Alignment	not modelled	100.0	17	Chain: A; PDB Molecule: glutathione reductase; PDBTitle: 1.88 angstrom resolution crystal structure of glutathione reductase2 from <i>Streptococcus mutans</i> ua159 in complex with fad PDB header: unknown function
40	c1xdia	Alignment	not modelled	100.0	23	Chain: A; PDB Molecule: rv3303c-lpda; PDBTitle: crystal structure of lpda (rv3303c) from <i>Mycobacterium tuberculosis</i> PDB header: oxidoreductase
41	c1v59B	Alignment	not modelled	100.0	21	Chain: B; PDB Molecule: dihydrolipoamide dehydrogenase; PDBTitle: crystal structure of yeast lipoamide dehydrogenase2 complexed with nad+ PDB header: oxidoreductase
42	c4jdrB	Alignment	not modelled	100.0	22	Chain: B; PDB Molecule: dihydrolipoamide dehydrogenase; PDBTitle: dihydrolipoamide dehydrogenase of pyruvate dehydrogenase from <i>Escherichia coli</i> PDB header: oxidoreductase
43	c1lpfB	Alignment	not modelled	100.0	20	Chain: B; PDB Molecule: dihydrolipoamide dehydrogenase; PDBTitle: three-dimensional structure of lipoamide dehydrogenase from <i>Pseudomonas fluorescens</i> at 2.8 angstroms resolution.3 analysis of redox and thermostability properties PDB header: oxidoreductase
44	c1zx9A	Alignment	not modelled	100.0	23	Chain: A; PDB Molecule: mercuric reductase; PDBTitle: crystal structure of tn501 mera PDB header: oxidoreductase
45	c6du7C	Alignment	not modelled	100.0	18	Chain: C; PDB Molecule: glutathione reductase; PDBTitle: glutathione reductase from <i>Streptococcus pneumoniae</i> PDB header: oxidoreductase
46	c2nvkX	Alignment	not modelled	100.0	23	Chain: X; PDB Molecule: thioredoxin reductase; PDBTitle: crystal structure of thioredoxin reductase from <i>Drosophila melanogaster</i> PDB header: oxidoreductase
47	c2eq8E	Alignment	not modelled	100.0	21	Chain: E; PDB Molecule: pyruvate dehydrogenase complex, dihydrolipoamide PDBTitle: crystal structure of lipoamide dehydrogenase from <i>Thermus thermophilus</i> 2 hb8 with psbdp PDB header: oxidoreductase
48	c2r9zB	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: B; PDB Molecule: glutathione amide reductase; PDBTitle: glutathione amide reductase from <i>Chromatium gracile</i> PDB header: oxidoreductase
49	c3dgzA	Alignment	not modelled	100.0	21	Chain: A; PDB Molecule: thioredoxin reductase 2; PDBTitle: crystal structure of mouse mitochondrial thioredoxin reductase, c-2 terminal 3-residue truncation PDB header: oxidoreductase
50	c1zkgA	Alignment	not modelled	100.0	21	Chain: A; PDB Molecule: thioredoxin reductase 2, mitochondrial; PDBTitle: crystal structure of mouse thioredoxin reductase type 2 PDB header: oxidoreductase (flavoenzyme)
51	c1geuA	Alignment	not modelled	100.0	18	Chain: A; PDB Molecule: glutathione reductase; PDBTitle: anatomy of an engineered nad-binding site PDB header: oxidoreductase
52	c4j56A	Alignment	not modelled	100.0	20	Chain: A; PDB Molecule: thioredoxin reductase 2; PDBTitle: structure of <i>Plasmodium falciparum</i> thioredoxin reductase-thioredoxin2 complex PDB header: oxidoreductase
53	c2ic9D	Alignment	not modelled	100.0	19	Chain: D; PDB Molecule: dihydrolipoamide dehydrogenase; PDB header: oxidoreductase

53	c3l9D	Alignment	not modelled	100.0	15	PDBTitle: the structure of dihydrolipoamide dehydrogenase from colwellia2 psychrerythraea 34h. PDB header: oxidoreductase
54	c3l8kB	Alignment	not modelled	100.0	17	Chain: B; PDB Molecule: dihydrolipoyl dehydrogenase; PDBTitle: crystal structure of a dihydrolipoyl dehydrogenase from sulfolobus2 solfataricus
55	c6b4oB	Alignment	not modelled	100.0	16	PDB header: hydrolase Chain: B; PDB Molecule: glutathione reductase; PDBTitle: 1.73 angstrom resolution crystal structure of glutathione reductase2 from enterococcus faecalis in complex with fad
56	c1bwcA	Alignment	not modelled	100.0	14	PDB header: oxidoreductase Chain: A; PDB Molecule: protein (glutathione reductase); PDBTitle: structure of human glutathione reductase complexed with ajoene2 inhibitor and subversive substrate
57	c3o0hA	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: A; PDB Molecule: glutathione reductase; PDBTitle: crystal structure of glutathione reductase from bartonella henselae
58	c4ywoA	Alignment	not modelled	100.0	25	PDB header: oxidoreductase Chain: A; PDB Molecule: mercuric reductase; PDBTitle: mercuric reductase from metallosphaera sedula
59	c1onfA	Alignment	not modelled	100.0	16	PDB header: oxidoreductase Chain: A; PDB Molecule: glutathione reductase; PDBTitle: crystal structure of plasmodium falciparum glutathione reductase
60	c2a8xA	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: A; PDB Molecule: dihydrolipoyl dehydrogenase; PDBTitle: crystal structure of lipoamide dehydrogenase from2 mycobacterium tuberculosis
61	c2cfyB	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: B; PDB Molecule: thioredoxin reductase 1; PDBTitle: crystal structure of human thioredoxin reductase 1
62	c2hqmB	Alignment	not modelled	100.0	16	PDB header: oxidoreductase Chain: B; PDB Molecule: glutathione reductase; PDBTitle: crystal structure of glutathione reductase glr1 from the yeast2 saccharomyces cerevisiae
63	c5x1yC	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: C; PDB Molecule: mercuric reductase; PDBTitle: structure of mercuric reductase from lysinibacillus sphaericus
64	c4b1bB	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: B; PDB Molecule: thioredoxin reductase; PDBTitle: crystal structure of plasmodium falciparum oxidised2 thioredoxin reductase at 2.9 angstrom
65	c1xhcA	Alignment	not modelled	100.0	26	PDB header: oxidoreductase Chain: A; PDB Molecule: nadh oxidase /nitrite reductase; PDBTitle: nadh oxidase /nitrite reductase from pyrococcus furiosus pfu-1140779-2 001
66	c5jwcA	Alignment	not modelled	100.0	15	PDB header: membrane protein Chain: A; PDB Molecule: nadh dehydrogenase, putative; PDBTitle: structure of ndh2 from plasmodium falciparum in complex with ryl-552
67	c6mp5B	Alignment	not modelled	100.0	16	PDB header: membrane protein, oxidoreductase Chain: B; PDB Molecule: sulfide:quinone oxidoreductase, mitochondrial; PDBTitle: crystal structure of native human sulfide:quinone oxidoreductase
68	c3hyxC	Alignment	not modelled	100.0	16	PDB header: oxidoreductase Chain: C; PDB Molecule: sulfide-quinone reductase; PDBTitle: 3-d x-ray structure of the sulfide:quinone oxidoreductase from aquifex2 aeolicus in complex with aurachin c
69	c4xdbC	Alignment	not modelled	100.0	20	PDB header: oxidoreductase, membrane protein, flavop Chain: C; PDB Molecule: nadh dehydrogenase-like protein saouhsc_00878; PDBTitle: nadh:quinone oxidoreductase (ndh-ii) from staphylococcus aureus -2 holoprotein structure
70	c4nwzA	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A; PDB Molecule: fad-dependent pyridine nucleotide-disulfide oxidoreductase; PDBTitle: structure of bacterial type ii nadh dehydrogenase from2 caldalkalibacillus thermarum at 2.5a resolution
71	c5n1tA	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A; PDB Molecule: flavin-binding subunit of sulfide dehydrogenase; PDBTitle: crystal structure of complex between flavocytochrome c and copper2 chaperone copc from t. paradoxus
72	c1hyuA	Alignment	not modelled	100.0	26	PDB header: oxidoreductase Chain: A; PDB Molecule: alkyl hydroperoxide reductase subunit f; PDBTitle: crystal structure of intact ahpf
73	c1fcdB	Alignment	not modelled	100.0	18	PDB header: electron transport(flavocytochrome) Chain: B; PDB Molecule: flavocytochrome c sulfide dehydrogenase (flavin- PDBTitle: the structure of flavocytochrome c sulfide dehydrogenase2 from a purple phototrophic bacterium chromatium vinosum at3 2.5 angstroms resolution
74	c3kpgA	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: A; PDB Molecule: sulfide-quinone reductase, putative; PDBTitle: crystal structure of sulfide:quinone oxidoreductase from2 acidithiobacillus ferrooxidans in complex with decylubiquinone
75	c4g6gB	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: B; PDB Molecule: rotenone-insensitive nadh-ubiquinone oxidoreductase, PDBTitle: crystal structure of ndh with trt
76	c4gapB	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: B; PDB Molecule: rotenone-insensitive nadh-ubiquinone oxidoreductase; PDBTitle: structure of the ndi1 protein from saccharomyces cerevisiae in complex2 with nad+
77	c1gthD	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: D; PDB Molecule: dihydropyrimidine dehydrogenase; PDBTitle: dihydropyrimidine dehydrogenase (dpd) from pig, ternary

						complex with2 nadph and 5-iodouracil 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
78	c5jcaL_	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin reductase; PDBTitle: crystal structure of thioredoxin reductase-like protein from thermus2 thermophilus hb8
79	c2zbaA_	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: B: PDB Molecule: histamine dehydrogenase; PDBTitle: histamine dehydrogenase from nocardiodes simplex
80	c3k30B_	Alignment	not modelled	100.0	18	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
81	c4gcmB_	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: pyridine nucleotide-disulfide oxidoreductase; PDBTitle: structure of an oxidoreductase semet-labelled from synechocystis sp.2 pcc6803
82	c5jriA_	Alignment	not modelled	100.0	15	PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin reductase; PDBTitle: the crystal structure of thioredoxin reductase from streptococcus2 pyogenes mgas5005
83	c5uwvA_	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: gll2934 protein; PDBTitle: structure of a novel oxidoreductase from gloeobacter violaceus
84	c5odeA_	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: B: PDB Molecule: thioredoxin reductase; PDBTitle: crystal structure of the atypical thioredoxin reductase tri from2 desulfovibrio vulgaris hildenborough
85	c5niiB_	Alignment	not modelled	100.0	17	PDB header: flavoprotein Chain: B: PDB Molecule: ncr a; PDBTitle: 2-naphthoyl-coa reductase(ncr)
86	c6qkgB_	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin reductase; PDBTitle: crystal structure of thioredoxin reductase from cryptococcus2 neoformans in complex with fad (fo conformation)
87	c5w4cA_	Alignment	not modelled	100.0	16	PDB header: oxidoreductase Chain: D: PDB Molecule: dihydropyrimidine dehydrogenase subunit a; PDBTitle: insights into flavin-based electron bifurcation via the nadh-dependent2 reduced ferredoxin-nadp oxidoreductase structure
88	c4yifD_	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin reductase; PDBTitle: thioredoxin-disulfide reductase from campylobacter jejuni.
89	c3r9uA_	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin reductase; PDBTitle: crystal structure of a thioredoxin reductase from brucella melitensis
90	c4jmqA_	Alignment	not modelled	100.0	16	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
91	c6gncA_	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: A: PDB Molecule: nadh oxidase; PDBTitle: the first x-ray structure of a sulfide:quinone2 oxidoreductase: insights into sulfide oxidation mechanism
92	c3h8IA_	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: B: PDB Molecule: trimethylamine dehydrogenase; PDBTitle: structural and biochemical characterization of recombinant wild type2 trimethylamine dehydrogenase from methylphilus methylotrophus (sp.3 w3a1)
93	c1djnB_	Alignment	not modelled	100.0	15	PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin reductase; PDBTitle: crystal structure of hlmi
94	c4ntdA_	Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: D: PDB Molecule: putative thioredoxin reductase; PDBTitle: crystal structure of putative thioredoxin reductase trxb from bacillus2 anthracis
95	c4fk1D_	Alignment	not modelled	100.0	15	PDB header: oxidoreductase Chain: A: PDB Molecule: nadph dependent thioredoxin reductase; PDBTitle: structure of nadph dependent thioredoxin reductase
96	c1vdcA_	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: B: PDB Molecule: histamine dehydrogenase; PDBTitle: 2.1 a resolution structure of histamine dehydrogenase from rhizobium2 sp. 4-9
97	c6de6B_	Alignment	not modelled	100.0	18	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
98	c1ps9A_	Alignment	not modelled	100.0	23	PDB header: oxidoreductase Chain: B: PDB Molecule: ferredoxin--nadp reductase; PDBTitle: crystal structure of ferredoxin nadp+ oxidoreductase
99	c3ab1B_	Alignment	not modelled	100.0	21	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
100	c6gndG_	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: alkyl hydroperoxide reductase subunit f; PDBTitle: catalytic core component of the alkylhydroperoxide reductase ahpf from2 e.coli
101	c1fl2A_	Alignment	not modelled	100.0	25	PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin reductase; PDBTitle:
102	c3ctyA_	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin reductase;

						PDBTitle: crystal structure of t. acidophilum thioredoxin reductase
103	c5yggB_	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: B: PDB Molecule: ferredoxin--nadp reductase; PDBTitle: crystal structure of ferredoxin nadp+ oxidoreductase from2 rhodopseudomonas palustris
104	c4ntcA_	Alignment	not modelled	100.0	15	PDB header: oxidoreductase Chain: A: PDB Molecule: glit; PDBTitle: crystal structure of glit
105	c5mjkC_	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: C: PDB Molecule: thioredoxin reductase; PDBTitle: crystal structure of lactococcus lactis thioredoxin reductase (fo2 conformation)
106	c6garB_	Alignment	not modelled	100.0	17	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
107	c5twcA_	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: ferredoxin--nadp reductase; PDBTitle: oxidoreductase iruo in the oxidized form
108	c5xhuA_	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: A: PDB Molecule: ferredoxin--nadp reductase; PDBTitle: crystal structure of ycgf from bacillus subtilis
109	c2vdcI_	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: I: PDB Molecule: glutamate synthase [nadph] small chain; PDBTitle: the 9.5 a resolution structure of glutamate synthase from cryo-2 electron microscopy and its oligomerization behavior in solution:3 functional implications.
110	c1f6mF_	Alignment	not modelled	100.0	18	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+
111	c4a5B_	Alignment	not modelled	100.0	16	PDB header: oxidoreductase Chain: B: PDB Molecule: thioredoxin reductase; PDBTitle: crystal structure of the thioredoxin reductase from entamoeba2 histolytica
112	d1gv4a1	Alignment	not modelled	100.0	31	Fold: FAD/NAD(P)-binding domain Superfamily: FAD/NAD(P)-binding domain Family: FAD/NAD-linked reductases, N-terminal and central domains
113	c3lzxB_	Alignment	not modelled	100.0	15	PDB header: oxidoreductase Chain: B: PDB Molecule: ferredoxin--nadp reductase 2; PDBTitle: crystal structure of ferredoxin-nadp+ oxidoreductase from bacillus2 subtilis (form ii)
114	c3f8rD_	Alignment	not modelled	100.0	21	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
115	c5j60B_	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: B: PDB Molecule: thioredoxin reductase; PDBTitle: structure of a thioredoxin reductase from gloeobacter violaceus
116	c3d8xB_	Alignment	not modelled	100.0	16	PDB header: oxidoreductase Chain: B: PDB Molecule: thioredoxin reductase 1; PDBTitle: crystal structure of saccharomyces cerevisiae ndpnh dependent2 thioredoxin reductase 1
117	c4jnaA_	Alignment	not modelled	100.0	19	PDB header: oxidoreductase/oxidoreductase inhibitor Chain: A: PDB Molecule: deph; PDBTitle: crystal structure of the deph complex with dimethyl-fk228
118	c4usqA_	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: pyridine nucleotide-disulfide oxidoreductase; PDBTitle: structure of flavin-containing monooxygenase from2 cellvibrio sp. br
119	c3d1cA_	Alignment	not modelled	100.0	13	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
120	c2q7vA_	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin reductase; PDBTitle: crystal structure of deinococcus radiodurans thioredoxin reductase