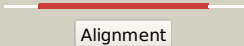

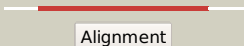

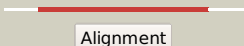







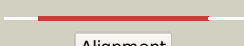











Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD1812c (-)_2054164_2055366
Date	Fri Aug 2 13:30:42 BST 2019
Unique Job ID	a968e4dfe78f53c8

Detailed template
information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c5jwcA_			100.0	16	PDB header: membrane protein Chain: A: PDB Molecule: nadh dehydrogenase, putative; PDBTitle: structure of ndh2 from plasmodium falciparum in complex with ryl-552
2	c4xdbC_			100.0	25	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
3	c4nwcA_			100.0	26	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
4	c4g6gB_			100.0	20	PDB header: oxidoreductase Chain: B: PDB Molecule: rotenone-insensitive nadh-ubiquinone oxidoreductase, PDBTitle: crystal structure of ndh with trt
5	c4gapB_			100.0	21	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+
6	c3icrA_			100.0	16	PDB header: oxidoreductase Chain: A: PDB Molecule: coenzyme a-disulfide reductase; PDBTitle: crystal structure of oxidized bacillus anthracis coadr-rhd
7	c3ntaA_			100.0	21	PDB header: oxidoreductase Chain: A: PDB Molecule: fad-dependent pyridine nucleotide-disulphide PDBTitle: structure of the shewanella loihica pv-4 nadh-dependent persulfide2 reductase
8	c3hyxC_			100.0	19	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
9	c3kpgA_			100.0	16	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
10	c6mp5B_			100.0	17	PDB header: membrane protein, oxidoreductase Chain: B: PDB Molecule: sulfide:quinone oxidoreductase, mitochondrial; PDBTitle: crystal structure of native human sulfide:quinone oxidoreductase
11	c1fcdB_			100.0	19	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

12	c1yqzA_	Alignment		100.0	18	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
13	c3oc4A_	Alignment		100.0	18	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
14	c5n1tA_	Alignment		100.0	20	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
15	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
16	c1gv4A_	Alignment		100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: programed cell death protein 8; PDBTitle: murine apoptosis-inducing factor (aif)
17	c2bcpA_	Alignment		100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: nadh oxidase; PDBTitle: structural analysis of streptococcus pyogenes nadh oxidase: c44s nox2 with azide
18	c2gr2A_	Alignment		100.0	22	PDB header: oxidoreductase Chain: A: PDB Molecule: ferredoxin reductase; PDBTitle: crystal structure of ferredoxin reductase, bpha4 (oxidized form)
19	c3iwaA_	Alignment		100.0	23	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
20	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
21	c5jciA_	Alignment	not modelled	100.0	20	PDB header: hydrolase Chain: A: PDB Molecule: os09g0567300 protein; PDBTitle: structure and catalytic mechanism of monodehydroascorbate reductase,2 mdhar, from oryza sativa l. japonica
22	c1q1wA_	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A: PDB Molecule: putidaredoxin reductase; PDBTitle: crystal structure of putidaredoxin reductase from2 pseudomonas putida
23	c2cduB_	Alignment	not modelled	100.0	15	PDB header: oxidoreductase Chain: B: PDB Molecule: nadh oxidase; PDBTitle: the crystal structure of water-forming nad(p)h oxidase from2 lactobacillus sanfranciscensis
24	c3fg2P_	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: P: PDB Molecule: putative rubredoxin reductase; PDBTitle: crystal structure of ferredoxin reductase for the cyp199a2 system from2 rhodospseudomonas palustris
25	c3lxdA_	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: A: PDB Molecule: fad-dependent pyridine nucleotide-disulphide PDBTitle: crystal structure of ferredoxin reductase arr from novosphingobium2 aromaticivorans
26	c3cgbB_	Alignment	not modelled	100.0	20	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
27	c5w1jA_	Alignment	not modelled	100.0	20	PDB header: signaling protein Chain: A: PDB Molecule: thioredoxin glutathione reductase; PDBTitle: echinococcus granulosus thioredoxin glutathione reductas (egtgr)

28	c2v3aA	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: A: PDB Molecule: rubredoxin reductase; PDBTitle: crystal structure of rubredoxin reductase from pseudomonas2 aeruginosa.
29	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)
30	c3ef6A	Alignment	not modelled	100.0	23	PDB header: oxidoreductase Chain: A: PDB Molecule: toluene 1,2-dioxygenase system ferredoxin-nad(+) PDBTitle: crystal structure of toluene 2,3-dioxygenase reductase
31	c5er0D	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: D: PDB Molecule: nadh oxidase; PDBTitle: water-forming nadh oxidase from lactobacillus brevis (lbnox)
32	c1hyuA	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: alkyl hydroperoxide reductase subunit f; PDBTitle: crystal structure of intact ahpf
33	c1m6iA	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: programmed cell death protein 8; PDBTitle: crystal structure of apoptosis inducing factor (aif)
34	c2eq7B	Alignment	not modelled	100.0	25	PDB header: oxidoreductase Chain: B: PDB Molecule: 2-oxoglutarate dehydrogenase e3 component; PDBTitle: crystal structure of lipamide dehydrogenase from thermus thermophilus2 hb8 with psbdo
35	c1xhcA	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: nadh oxidase /nitrite reductase; PDBTitle: nadh oxidase /nitrite reductase from pyrococcus furiosus pfu-1140779-2 001
36	c1xdiA	Alignment	not modelled	100.0	23	PDB header: unknown function Chain: A: PDB Molecule: rv3303c-lpda; PDBTitle: crystal structure of lpda (rv3303c) from mycobacterium tuberculosis
37	c3h8lA	Alignment	not modelled	100.0	19	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
38	c6du7C	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: C: PDB Molecule: glutathione reductase; PDBTitle: glutathione reductase from streptococcus pneumoniae
39	c4dnaA	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: probable glutathione reductase; PDBTitle: crystal structure of putative glutathione reductase from sinorhizobium2 meliloti 1021
40	c3urhB	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: B: PDB Molecule: dihydrolipoyl dehydrogenase; PDBTitle: crystal structure of a dihydrolipoamide dehydrogenase from2 sinorhizobium meliloti 1021
41	c1tytA	Alignment	not modelled	100.0	22	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
42	c4ywoA	Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: A: PDB Molecule: mercuric reductase; PDBTitle: mercuric reductase from metallosphaera sedula
43	c1geuA	Alignment	not modelled	100.0	20	PDB header: oxidoreductase(flavoenzyme) Chain: A: PDB Molecule: glutathione reductase; PDBTitle: anatomy of an engineered nad-binding site
44	c1ndaD	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: D: PDB Molecule: trypanothione oxidoreductase; PDBTitle: the structure of trypanosoma cruzi trypanothione reductase in the2 oxidized and nadph reduced state
45	c1zx9A	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A: PDB Molecule: mercuric reductase; PDBTitle: crystal structure of tn501 mera
46	c2eq8E	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: E: PDB Molecule: pyruvate dehydrogenase complex, dihydrolipoamide PDBTitle: crystal structure of lipamide dehydrogenase from thermus thermophilus2 hb8 with psbdp
47	c1ojtA	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: surface protein; PDBTitle: structure of dihydrolipoamide dehydrogenase
48	c2w0hA	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: trypanothione reductase; PDBTitle: x ray structure of leishmania infantum trypanothione2 reductase in complex with antimony and nadph
49	c5v36A	Alignment	not modelled	100.0	23	PDB header: hydrolase,oxidoreductase Chain: A: PDB Molecule: glutathione reductase; PDBTitle: 1.88 angstrom resolution crystal structure of glutathione reductase2 from streptococcus mutans ua159 in complex with fad
50	c3o0hA	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: A: PDB Molecule: glutathione reductase; PDBTitle: crystal structure of glutathione reductase from bartonella henselae
51	c2c3dB	Alignment	not modelled	100.0	18	PDB header: oxidoreductase 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
52	c1ebdB	Alignment	not modelled	100.0	22	PDB header: complex (oxidoreductase/transferase) Chain: B: PDB Molecule: dihydrolipoamide dehydrogenase; PDBTitle: dihydrolipoamide dehydrogenase complexed with the binding2 domain of the dihydrolipoamide acetylase
53	c3ic9D	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: D: PDB Molecule: dihydrolipoamide dehydrogenase;

53	c3t9D_	Alignment	not modelled	100.0	18	PDBTitle: the structure of dihydrolipoamide dehydrogenase from colwellia2 psychrerythraea 34h. PDB header: oxidoreductase Chain: C: PDB Molecule: dihydrolipoamide dehydrogenase;
54	c6bz0C_	Alignment	not modelled	100.0	18	PDBTitle: 1.83 angstrom resolution crystal structure of dihydrolipoamide dehydrogenase from acinetobacter baumannii in complex with fad. PDB header: oxidoreductase Chain: B: PDB Molecule: dihydrolipoamide dehydrogenase;
55	c1lpfB_	Alignment	not modelled	100.0	18	PDBTitle: three-dimensional structure of lipoamide dehydrogenase from2 pseudomonas fluorescens at 2.8 angstroms resolution.3 analysis of redox and thermostability properties PDB header: hydrolase Chain: B: PDB Molecule: glutathione reductase;
56	c6b4oB_	Alignment	not modelled	100.0	21	PDBTitle: 1.73 angstrom resolution crystal structure of glutathione reductase2 from enterococcus faecalis in complex with fad PDB header: oxidoreductase Chain: A: PDB Molecule: dihydrolipoamide dehydrogenase;
57	c1lvA_	Alignment	not modelled	100.0	21	PDBTitle: the refined structure of pseudomonas putida lipoamide dehydrogenase2 complexed with nad+ at 2.45 angstroms resolution PDB header: oxidoreductase Chain: C: PDB Molecule: dihydrolipoamide dehydrogenase;
58	c1dxlC_	Alignment	not modelled	100.0	21	PDBTitle: dihydrolipoamide dehydrogenase of glycine decarboxylase2 from pisum sativum PDB header: oxidoreductase Chain: A: PDB Molecule: dihydrolipoamide dehydrogenase;
59	c2a8xA_	Alignment	not modelled	100.0	20	PDBTitle: crystal structure of lipoamide dehydrogenase from2 mycobacterium tuberculosis PDB header: oxidoreductase Chain: D: PDB Molecule: dihydropyrimidine dehydrogenase;
60	c1gthD_	Alignment	not modelled	100.0	17	PDBTitle: dihydropyrimidine dehydrogenase (dpd) from pig, ternary complex with2 nadph and 5-iodouracil PDB header: oxidoreductase Chain: B: PDB Molecule: dihydrolipoamide dehydrogenase;
61	c1v59B_	Alignment	not modelled	100.0	20	PDBTitle: crystal structure of yeast lipoamide dehydrogenase2 complexed with nad+ PDB header: oxidoreductase Chain: B: PDB Molecule: glutathione amide reductase;
62	c2r9zB_	Alignment	not modelled	100.0	23	PDBTitle: glutathione amide reductase from chromatium gracile PDB header: oxidoreductase Chain: G: PDB Molecule: dihydrolipoamide dehydrogenase;
63	c1zmcG_	Alignment	not modelled	100.0	19	PDBTitle: crystal structure of human dihydrolipoamide dehydrogenase2 complexed to nad+ PDB header: oxidoreductase Chain: B: PDB Molecule: dihydrolipoamide dehydrogenase;
64	c4jdrB_	Alignment	not modelled	100.0	21	PDBTitle: dihydrolipoamide dehydrogenase of pyruvate dehydrogenase from2 escherichia coli PDB header: oxidoreductase Chain: B: PDB Molecule: glutathione reductase;
65	c2hqmB_	Alignment	not modelled	100.0	21	PDBTitle: crystal structure of glutathione reductase glr1 from the yeast2 saccharomyces cerevisiae PDB header: oxidoreductase Chain: A: PDB Molecule: protein (glutathione reductase);
66	c1bwcA_	Alignment	not modelled	100.0	20	PDBTitle: structure of human glutathione reductase complexed with ajoene2 inhibitor and subversive substrate PDB header: oxidoreductase Chain: A: PDB Molecule: dihydrolipoamide dehydrogenase;
67	c2qaeA_	Alignment	not modelled	100.0	19	PDBTitle: crystal structure analysis of trypanosoma cruzi lipoamide2 dehydrogenase PDB header: oxidoreductase Chain: D: PDB Molecule: dihydropyrimidine dehydrogenase subunit a;
68	c4yifD_	Alignment	not modelled	100.0	20	PDBTitle: insights into flavin-based electron bifurcation via the nadh-dependent2 reduced ferredoxin-nadp oxidoreductase structure PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin reductase 2;
69	c4j56A_	Alignment	not modelled	100.0	18	PDBTitle: structure of plasmodium falciparum thioredoxin reductase-thioredoxin2 complex PDB header: oxidoreductase Chain: L: PDB Molecule: nadh-dependent ferredoxin:nadp oxidoreductase (nfni)
70	c5jcaL_	Alignment	not modelled	100.0	18	PDBTitle: nadp(h) bound nadh-dependent ferredoxin:nadp oxidoreductase (nfni)2 from pyrococcus furiosus PDB header: oxidoreductase Chain: B: PDB Molecule: dihydrolipoamide dehydrogenase;
71	c3l8kB_	Alignment	not modelled	100.0	18	PDBTitle: crystal structure of a dihydrolipoamide dehydrogenase from sulfolobus2 solfataricus PDB header: oxidoreductase Chain: B: PDB Molecule: dihydrolipoamide dehydrogenase;
72	c6aonB_	Alignment	not modelled	100.0	18	PDBTitle: 1.72 angstrom resolution crystal structure of 2-oxoglutarate2 dehydrogenase complex subunit dihydrolipoamide dehydrogenase from3 bordetella pertussis in complex with fad PDB header: oxidoreductase Chain: X: PDB Molecule: thioredoxin reductase;
73	c2nvkX_	Alignment	not modelled	100.0	20	PDBTitle: crystal structure of thioredoxin reductase from drosophila2 melanogaster PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin reductase 2;
74	c3dgzA_	Alignment	not modelled	100.0	17	PDBTitle: crystal structure of mouse mitochondrial thioredoxin reductase, c-2 terminal 3-residue truncation PDB header: oxidoreductase Chain: A: PDB Molecule: nad(fad)-dependent dehydrogenase, nirb-family (n-terminal
75	c3kijA_	Alignment	not modelled	100.0	19	PDBTitle: crystal structure of nadh:rubredoxin oxidoreductase from clostridium2 acetobutylicum PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin reductase 2, mitochondrial;
76	c1zkgA_	Alignment	not modelled	100.0	19	PDBTitle: crystal structure of mouse thioredoxin reductase type 2 PDB header: oxidoreductase Chain: C: PDB Molecule: mercuric reductase;
77	c5x1yC_	Alignment	not modelled	100.0	21	PDBTitle: structure of mercuric reductase from lysinibacillus sphaericus

78	c2vdcI	Alignment	not modelled	100.0	19	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.
79	c2cfyB	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: B: PDB Molecule: thioredoxin reductase 1; PDBTitle: crystal structure of human thioredoxin reductase 1
80	c4b1bB	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: B: PDB Molecule: thioredoxin reductase; PDBTitle: crystal structure of plasmodium falciparum oxidised2 thioredoxin reductase at 2.9 angstrom
81	c1onfA	Alignment	not modelled	100.0	15	PDB header: oxidoreductase Chain: A: PDB Molecule: glutathione reductase; PDBTitle: crystal structure of plasmodium falciparum glutathione reductase
82	c2zbwA	Alignment	not modelled	100.0	16	PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin reductase; PDBTitle: crystal structure of thioredoxin reductase-like protein from thermus2 thermophilus hb8
83	c5twcA	Alignment	not modelled	100.0	12	PDB header: oxidoreductase Chain: A: PDB Molecule: ferredoxin--nadp reductase; PDBTitle: oxidoreductase iruo in the oxidized form
84	c6qkgB	Alignment	not modelled	100.0	19	PDB header: flavoprotein Chain: B: PDB Molecule: ncr a; PDBTitle: 2-naphthoyl-coa reductase(ncr)
85	c5yggB	Alignment	not modelled	100.0	14	PDB header: oxidoreductase Chain: B: PDB Molecule: ferredoxin--nadp reductase; PDBTitle: crystal structure of ferredoxin nadp+ oxidoreductase from2 rhodopseudomonas palustris
86	c4gcmB	Alignment	not modelled	100.0	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
87	c1vdcA	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: nadph dependent thioredoxin reductase; PDBTitle: structure of nadph dependent thioredoxin reductase
88	c6gndG	Alignment	not modelled	100.0	18	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
89	c3k30B	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: B: PDB Molecule: histamine dehydrogenase; PDBTitle: histamine dehydrogenase from nocardiodes simplex
90	c3ab1B	Alignment	not modelled	100.0	15	PDB header: oxidoreductase Chain: B: PDB Molecule: ferredoxin--nadp reductase; PDBTitle: crystal structure of ferredoxin nadp+ oxidoreductase
91	c1djnB	Alignment	not modelled	100.0	14	PDB header: oxidoreductase Chain: B: PDB Molecule: trimethylamine dehydrogenase; PDBTitle: structural and biochemical characterization of recombinant wild type2 trimethylamine dehydrogenase from methylophilus methylotrophus (sp.3 w3a1)
92	c4fk1D	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: D: PDB Molecule: putative thioredoxin reductase; PDBTitle: crystal structure of putative thioredoxin reductase trxb from bacillus2 anthracis
93	c5uwvA	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin reductase; PDBTitle: the crystal structure of thioredoxin reductase from streptococcus2 pyogenes mgas5005
94	c6de6B	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: B: PDB Molecule: histamine dehydrogenase; PDBTitle: 2.1 a resolution structure of histamine dehydrogenase from rhizobium2 sp. 4-9
95	c6garB	Alignment	not modelled	100.0	16	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
96	c6gncA	Alignment	not modelled	100.0	19	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
97	c5w4cA	Alignment	not modelled	100.0	16	PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin reductase; PDBTitle: crystal structure of thioredoxin reductase from cryptococcus2 neoformans in complex with fad (fo conformation)
98	c4jmqA	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin reductase; PDBTitle: crystal structure of a thioredoxin reductase from brucella melitensis
99	c4a5lB	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: B: PDB Molecule: thioredoxin reductase; PDBTitle: crystal structure of the thioredoxin reductase from entamoeba2 histolytica
100	c3r9uA	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin reductase; PDBTitle: thioredoxin-disulfide reductase from campylobacter jejuni.
101	c5niiB	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: B: PDB Molecule: thioredoxin reductase; PDBTitle: crystal structure of the atypical thioredoxin reductase tri from2 desulfovibrio vulgaris hildenborough
102	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
						PDB header: oxidoreductase

103	c2a87A_	Alignment	not modelled	100.0	20	Chain: A; PDB Molecule: thioredoxin reductase; PDBTitle: crystal structure of m. tuberculosis thioredoxin reductase
104	c3d8xB_	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: B; PDB Molecule: thioredoxin reductase 1; PDBTitle: crystal structure of saccharomyces cerevisiae ndph dependent2 thioredoxin reductase 1
105	c4a9wB_	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: B; PDB Molecule: monooxygenase; PDBTitle: flavin-containing monooxygenase from stentrophomonas maltophilia
106	c3ctyA_	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: A; PDB Molecule: thioredoxin reductase; PDBTitle: crystal structure of t. acidophilum thioredoxin reductase
107	c1fl2A_	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: A; PDB Molecule: alkyl hydroperoxide reductase subunit f; PDBTitle: catalytic core component of the alkylhydroperoxide reductase ahpf from2 e.coli
108	c4usqA_	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: A; PDB Molecule: pyridine nucleotide-disulfide oxidoreductase; PDBTitle: structure of flavin-containing monooxygenase from2 cellvibrio sp. br
109	c5odeA_	Alignment	not modelled	100.0	16	PDB header: oxidoreductase Chain: A; PDB Molecule: gll2934 protein; PDBTitle: structure of a novel oxidoreductase from gloebacter violaceus
110	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)
111	c1cjcA_	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A; PDB Molecule: protein (adrenodoxin reductase); PDBTitle: structure of adrenodoxin reductase of mitochondrial p450 systems
112	c6bpyA_	Alignment	not modelled	100.0	16	PDB header: oxidoreductase Chain: A; PDB Molecule: thioredoxin reductase; PDBTitle: aspergillus fumigatus thioredoxin reductase
113	c5j60B_	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: B; PDB Molecule: thioredoxin reductase; PDBTitle: structure of a thioredoxin reductase from gloebacter violaceus
114	c4ntdA_	Alignment	not modelled	100.0	24	PDB header: oxidoreductase Chain: A; PDB Molecule: thioredoxin reductase; PDBTitle: crystal structure of hlmi
115	c2q0lA_	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A; PDB Molecule: thioredoxin reductase; PDBTitle: helicobacter pylori thioredoxin reductase reduced by sodium dithionite2 in complex with nadp+
116	c5m5jA_	Alignment	not modelled	100.0	16	PDB header: oxidoreductase Chain: A; PDB Molecule: thioredoxin reductase; PDBTitle: thioredoxin reductase from giardia duodenalis
117	c5jriA_	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: A; PDB Molecule: pyridine nucleotide-disulfide oxidoreductase; PDBTitle: structure of an oxidoreductase semet-labelled from synechocystis sp.2 pcc6803
118	c3f8rD_	Alignment	not modelled	100.0	22	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
119	c3d1cA_	Alignment	not modelled	100.0	14	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	c1f6mF_	Alignment	not modelled	100.0	17	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+