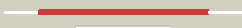












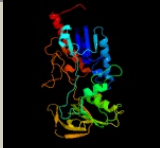

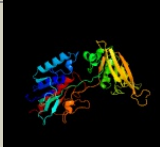



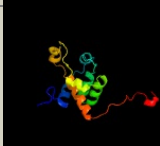




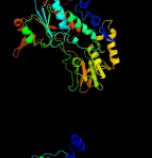
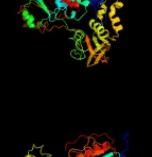




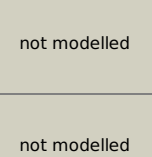


Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD3858c_(gltD)_4330217_4331683
Date	Sat Aug 10 22:05:04 BST 2019
Unique Job ID	65cf158dd1bf9281

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c1gthD_	 Alignment		100.0	20	PDB header: oxidoreductase Chain: D: PDB Molecule: dihydropyrimidine dehydrogenase; PDBTitle: dihydropyrimidine dehydrogenase (dpd) from pig, ternary complex with2 nadph and 5-iodouracil
2	c4y1fD_	 Alignment		100.0	32	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
3	c5jcaL_	 Alignment		100.0	34	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
4	c2vdcl_	 Alignment		100.0	38	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.
5	c2v6oA_	 Alignment		100.0	20	PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin glutathione reductase; PDBTitle: structure of schistosoma mansoni thioredoxin-glutathione2 reductase (smtgr)
6	c1cjcA_	 Alignment		100.0	25	PDB header: oxidoreductase Chain: A: PDB Molecule: protein (adrenodoxin reductase); PDBTitle: structure of adrenodoxin reductase of mitochondrial p450 systems
7	c1lqtB_	 Alignment		100.0	23	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
8	c1hyuA_	 Alignment		100.0	20	PDB header: oxidoreductase Chain: A: PDB Molecule: alkyl hydroperoxide reductase subunit f; PDBTitle: crystal structure of intact ahpf
9	c3k30B_	 Alignment		100.0	23	PDB header: oxidoreductase Chain: B: PDB Molecule: histamine dehydrogenase; PDBTitle: histamine dehydrogenase from nocardioodes simplex
10	d1gtea1	 Alignment		100.0	16	Fold: Globin-like Superfamily: alpha-helical ferredoxin Family: Dihydropyrimidine dehydrogenase, N-terminal domain
11	c3ntaA_	 Alignment		100.0	22	PDB header: oxidoreductase Chain: A: PDB Molecule: fad-dependent pyridine nucleotide-disulphide PDBTitle: structure of the shewanella loihica pv-4 nadh-dependent persulfide2 reductase

12	c5w1jA_	Alignment		100.0	20	PDB header: signaling protein Chain: A; PDB Molecule: thioredoxin glutathione reductase; PDBTitle: echinococcus granulosus thioredoxin glutathione reductas (egtgr)
13	c6qkgB_	Alignment		100.0	23	PDB header: flavoprotein Chain: B; PDB Molecule: ncr a; PDBTitle: 2-naphthoyl-coa reductase(ncr)
14	c6de6B_	Alignment		100.0	22	PDB header: oxidoreductase Chain: B; PDB Molecule: histamine dehydrogenase; PDBTitle: 2.1 a resolution structure of histamine dehydrogenase from rhizobium2 sp. 4-9
15	c1djnB_	Alignment		100.0	19	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)
16	c2bcpA_	Alignment		100.0	19	PDB header: oxidoreductase Chain: A; PDB Molecule: nadh oxidase; PDBTitle: structural analysis of streptococcus pyogenes nadh oxidase: c44s nox2 with azide
17	c1ps9A_	Alignment		100.0	25	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
18	c3icrA_	Alignment		100.0	23	PDB header: oxidoreductase Chain: A; PDB Molecule: coenzyme a-disulfide reductase; PDBTitle: crystal structure of oxidized bacillus anthracis coadr-rhd
19	c3urhB_	Alignment		100.0	21	PDB header: oxidoreductase Chain: B; PDB Molecule: dihydrolipoyl dehydrogenase; PDBTitle: crystal structure of a dihydrolipoamide dehydrogenase from2 sinorhizobium meliloti 1021
20	c3oc4A_	Alignment		100.0	21	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
21	c2c3dB_	Alignment	not modelled	100.0	22	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
22	c2eq8E_	Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: E; PDB Molecule: pyruvate dehydrogenase complex, dihydrolipoamide PDBTitle: crystal structure of lipoamide dehydrogenase from thermus thermophilus2 hb8 with psbdp
23	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
24	c6du7C_	Alignment	not modelled	100.0	16	PDB header: oxidoreductase Chain: C; PDB Molecule: glutathione reductase; PDBTitle: glutathione reductase from streptococcus pneumoniae
25	c1xdia_	Alignment	not modelled	100.0	18	PDB header: unknown function Chain: A; PDB Molecule: rv3303c-lpda; PDBTitle: crystal structure of lpda (rv3303c) from mycobacterium tuberculosis
26	c1geuA_	Alignment	not modelled	100.0	19	PDB header: oxidoreductase(flavoenzyme) Chain: A; PDB Molecule: glutathione reductase; PDBTitle: anatomy of an engineered nad-binding site
27	c5twcA_	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A; PDB Molecule: ferredoxin--nadp reductase; PDBTitle: oxidoreductase iruo in the oxidized form
28	c2zbwA_	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: A; PDB Molecule: thioredoxin reductase; PDBTitle: crystal structure of thioredoxin reductase-like protein

						from thermus2 thermophilus hb8
29	c1zx9A_	Alignment	not modelled	100.0	24	PDB header: oxidoreductase Chain: A: PDB Molecule: mercuric reductase; PDBTitle: crystal structure of tn501 mera
30	c4jdrB_	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: B: PDB Molecule: dihydrolipoyl dehydrogenase; PDBTitle: dihydrolipoamide dehydrogenase of pyruvate dehydrogenase from2 escherichia coli
31	c2w0hA_	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A: PDB Molecule: trypanothione reductase; PDBTitle: x ray structure of leishmania infantum trypanothione2 reductase in complex with antimony and nadph
32	c3iwaA_	Alignment	not modelled	100.0	25	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
33	c3kd9B_	Alignment	not modelled	100.0	28	PDB header: oxidoreductase Chain: B: PDB Molecule: coenzyme a disulfide reductase; PDBTitle: crystal structure of pyridine nucleotide disulfide oxidoreductase from2 pyrococcus horikoshii
34	c2cduB_	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: B: PDB Molecule: nadh oxidase; PDBTitle: the crystal structure of water-forming nad(p)h oxidase from2 lactobacillus sanfranciscensis
35	c5niiB_	Alignment	not modelled	100.0	23	PDB header: oxidoreductase Chain: B: PDB Molecule: thioredoxin reductase; PDBTitle: crystal structure of the atypical thioredoxin reductase tri from2 desulfovibrio vulgaris hildenborough
36	c6aonB_	Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: B: PDB Molecule: dihydrolipoyl dehydrogenase; PDBTitle: 1.72 angstrom resolution crystal structure of 2-oxoglutarate2 dehydrogenase complex subunit dihydrolipoamide dehydrogenase from3 bordetella pertussis in complex with fad
37	c3o0hA_	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: glutathione reductase; PDBTitle: crystal structure of glutathione reductase from bartonella henselae
38	c2eq7B_	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: B: PDB Molecule: 2-oxoglutarate dehydrogenase e3 component; PDBTitle: crystal structure of lipoamide dehydrogenase from thermus thermophilus2 hb8 with psbdo
39	c2gr2A_	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: A: PDB Molecule: ferredoxin reductase; PDBTitle: crystal structure of ferredoxin reductase, bpha4 (oxidized form)
40	c4nwzA_	Alignment	not modelled	100.0	18	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
41	c1yqzA_	Alignment	not modelled	100.0	15	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
42	c2r9zB_	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: B: PDB Molecule: glutathione amide reductase; PDBTitle: glutathione amide reductase from chromatium gracile
43	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
44	c6bz0C_	Alignment	not modelled	100.0	23	PDB header: oxidoreductase Chain: C: PDB Molecule: dihydrolipoyl dehydrogenase; PDBTitle: 1.83 angstrom resolution crystal structure of dihydrolipoyl2 dehydrogenase from acinetobacter baumannii in complex with fad.
45	c1ojtA_	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: A: PDB Molecule: surface protein; PDBTitle: structure of dihydrolipoamide dehydrogenase
46	c4jngA_	Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin reductase; PDBTitle: crystal structure of a thioredoxin reductase from brucella melitensis
47	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
48	c3ic9D_	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: D: PDB Molecule: dihydrolipoamide dehydrogenase; PDBTitle: the structure of dihydrolipoamide dehydrogenase from colwellia2 psychrerythraea 34h.
49	c6garB_	Alignment	not modelled	100.0	18	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
50	c2v3aA_	Alignment	not modelled	100.0	14	PDB header: oxidoreductase Chain: A: PDB Molecule: rubredoxin reductase; PDBTitle: crystal structure of rubredoxin reductase from pseudomonas2 aeruginosa.
51	c1nhqA_	Alignment	not modelled	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
52	c1q1wA_	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: putidaredoxin reductase; PDBTitle: crystal structure of putidaredoxin reductase from2 pseudomonas putida PDB header: hydrolase,oxidoreductase

53	c5v36A	Alignment	not modelled	100.0	17	Chain: A: PDB Molecule: glutathione reductase; PDBTitle: 1.88 angstrom resolution crystal structure of glutathione reductase2 from streptococcus mutans ua159 in complex with fad
54	c5yqgB	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: B: PDB Molecule: ferredoxin--nadp reductase; PDBTitle: crystal structure of ferredoxin nadp+ oxidoreductase from2 rhodopseudomonas palustris
55	c1lpfB	Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: B: PDB Molecule: dihydroliipoamide dehydrogenase; PDBTitle: three-dimensional structure of liipoamide dehydrogenase from2 pseudomonas fluorescens at 2.8 angstroms resolution.3 analysis of redox and thermostability properties
56	c3ef6A	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: toluene 1,2-dioxygenase system ferredoxin--nad(+) PDBTitle: crystal structure of toluene 2,3-dioxygenase reductase
57	c3r9uA	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin reductase; PDBTitle: thioredoxin-disulfide reductase from campylobacter jejuni.
58	c1ndaD	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: D: PDB Molecule: trypanothione oxidoreductase; PDBTitle: the structure of trypanosoma cruzi trypanothione reductase in the2 oxidized and nadph reduced state
59	c1zmcG	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: G: PDB Molecule: dihydroliipoyl dehydrogenase; PDBTitle: crystal structure of human dihydroliipoamide dehydrogenase2 complexed to nad+
60	c6b4oB	Alignment	not modelled	100.0	18	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
61	c1v59B	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: B: PDB Molecule: dihydroliipoamide dehydrogenase; PDBTitle: crystal structure of yeast liipoamide dehydrogenase2 complexed with nad+
62	c5jciA	Alignment	not modelled	100.0	19	PDB header: hydrolase Chain: A: PDB Molecule: os09g0567300 protein; PDBTitle: structure and catalytic mechanism of monodehydroascorbate reductase,2 mdhar, from oryza sativa l. japonica
63	c4xdbC	Alignment	not modelled	100.0	21	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
64	c2qaeA	Alignment	not modelled	100.0	25	PDB header: oxidoreductase Chain: A: PDB Molecule: dihydroliipoyl dehydrogenase; PDBTitle: crystal structure analysis of trypanosoma cruzi liipoamide2 dehydrogenase
65	c3lxdA	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: fad-dependent pyridine nucleotide-disulphide PDBTitle: crystal structure of ferredoxin reductase arr from novosphingobium2 aromaticivorans
66	c1dxlC	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: C: PDB Molecule: dihydroliipoamide dehydrogenase; PDBTitle: dihydroliipoamide dehydrogenase of glycine decarboxylase2 from pisum sativum
67	c1bwcA	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: protein (glutathione reductase); PDBTitle: structure of human glutathione reductase complexed with ajoene2 inhibitor and subversive substrate
68	c2a8xA	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A: PDB Molecule: dihydroliipoyl dehydrogenase; PDBTitle: crystal structure of liipoamide dehydrogenase from2 mycobacterium tuberculosis
69	c5j60B	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: B: PDB Molecule: thioredoxin reductase; PDBTitle: structure of a thioredoxin reductase from gloeobacter violaceus
70	c3dgzA	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin reductase 2; PDBTitle: crystal structure of mouse mitochondrial thioredoxin reductase, c-2 terminal 3-residue truncation
71	c5w4cA	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)
72	c5xhuA	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: A: PDB Molecule: ferredoxin--nadp reductase; PDBTitle: crystal structure of ycgf from bacillus subtilis
73	c1zkgA	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin reductase 2, mitochondrial; PDBTitle: crystal structure of mouse thioredoxin reductase type 2
74	c3hyxC	Alignment	not modelled	100.0	15	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
75	c3fg2P	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: P: PDB Molecule: putative rubredoxin reductase; PDBTitle: crystal structure of ferredoxin reductase for the cyp199a2 system from2 rhodopseudomonas palustris
76	c4ywoA	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A: PDB Molecule: mercuric reductase; PDBTitle: mercuric reductase from metallosphaera sedula
77	c1gv4A	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: A: PDB Molecule: programed cell death protein 8; PDBTitle: murine apoptosis-inducing factor (aif)
						PDB header: oxidoreductase

78	c2hqmB_	Alignment	not modelled	100.0	17	Chain: B; PDB Molecule: glutathione reductase; PDBTitle: crystal structure of glutathione reductase glr1 from the yeast2 saccharomyces cerevisiae
79	c1vdcA_	Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: A; PDB Molecule: nadph dependent thioredoxin reductase; PDBTitle: structure of nadph dependent thioredoxin reductase
80	c5jwcA_	Alignment	not modelled	100.0	12	PDB header: membrane protein Chain: A; PDB Molecule: nadh dehydrogenase, putative; PDBTitle: structure of ndh2 from plasmodium falciparum in complex with ryl-552
81	c5x1yC_	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: C; PDB Molecule: mercuric reductase; PDBTitle: structure of mercuric reductase from lysinibacillus sphaericus
82	c5m5jA_	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A; PDB Molecule: thioredoxin reductase; PDBTitle: thioredoxin reductase from giardia duodenalis
83	c3d8xB_	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: B; PDB Molecule: thioredoxin reductase 1; PDBTitle: crystal structure of saccharomyces cerevisiae ndph dependent2 thioredoxin reductase 1
84	c3cgdB_	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
85	c5er0D_	Alignment	not modelled	100.0	19	PDB header: oxidoreductase Chain: D; PDB Molecule: nadh oxidase; PDBTitle: water-forming nadh oxidase from lactobacillus brevis (lbnox)
86	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+
87	c3lzxB_	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: B; PDB Molecule: ferredoxin--nadp reductase 2; PDBTitle: crystal structure of ferredoxin-nadp+ oxidoreductase from bacillus2 subtilis (form ii)
88	c1lvIA_	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A; PDB Molecule: dihydrolipoamide dehydrogenase; PDBTitle: the refined structure of pseudomonas putida lipoamide dehydrogenase2 complexed with nad+ at 2.45 angstroms resolution
89	c4a5lB_	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: B; PDB Molecule: thioredoxin reductase; PDBTitle: crystal structure of the thioredoxin reductase from entamoeba2 histolytica
90	c4ntdA_	Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: A; PDB Molecule: thioredoxin reductase; PDBTitle: crystal structure of hlmi
91	c3ab1B_	Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: B; PDB Molecule: ferredoxin--nadp reductase; PDBTitle: crystal structure of ferredoxin nadp+ oxidoreductase
92	c3d1cA_	Alignment	not modelled	100.0	16	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
93	c3l8kB_	Alignment	not modelled	100.0	15	PDB header: oxidoreductase Chain: B; PDB Molecule: dihydrolipoyl dehydrogenase; PDBTitle: crystal structure of a dihydrolipoyl dehydrogenase from sulfolobus2 solfataricus
94	c5odeA_	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: A; PDB Molecule: glI2934 protein; PDBTitle: structure of a novel oxidoreductase from gloebacter violaceus
95	c4j56A_	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A; PDB Molecule: thioredoxin reductase 2; PDBTitle: structure of plasmodium falciparum thioredoxin reductase-thioredoxin2 complex
96	c2nvkX_	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: X; PDB Molecule: thioredoxin reductase; PDBTitle: crystal structure of thioredoxin reductase from drosophila2 melanogaster
97	c6gncA_	Alignment	not modelled	100.0	20	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
98	c5n1tA_	Alignment	not modelled	100.0	16	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
99	c5odhG_	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: G; PDB Molecule: heterodisulfide reductase, subunit a; PDBTitle: heterodisulfide reductase / [nife]-hydrogenase complex from2 methanothermococcus thermolithotrophicus soaked with heterodisulfide3 for 3.5 minutes
100	c6mp5B_	Alignment	not modelled	100.0	12	PDB header: membrane protein, oxidoreductase Chain: B; PDB Molecule: sulfide:quinone oxidoreductase, mitochondrial; PDBTitle: crystal structure of native human sulfide:quinone oxidoreductase
101	c4g6gB_	Alignment	not modelled	100.0	14	PDB header: oxidoreductase Chain: B; PDB Molecule: rotenone-insensitive nadh-ubiquinone oxidoreductase, PDBTitle: crystal structure of ndh with trt
						PDB header: oxidoreductase Chain: B; PDB Molecule: rotenone-insensitive nadh-ubiquinone

102	c4gapB_	Alignment	not modelled	100.0	14	oxidoreductase; PDBTitle: structure of the ndi1 protein from saccharomyces cerevisiae in complex2 with nad+
103	c6gndG_	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
104	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
105	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
106	c1f6mF_	Alignment	not modelled	100.0	20	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+
107	c1fcdB_	Alignment	not modelled	100.0	17	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
108	c3kpgA_	Alignment	not modelled	100.0	17	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
109	c1onfA_	Alignment	not modelled	100.0	15	PDB header: oxidoreductase Chain: A; PDB Molecule: glutathione reductase; PDBTitle: crystal structure of plasmodium falciparum glutathione reductase
110	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)
111	c4gcmB_	Alignment	not modelled	100.0	27	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
112	c5mjkC_	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: C; PDB Molecule: thioredoxin reductase; PDBTitle: crystal structure of lactococcus lactis thioredoxin reductase (fo2 conformation)
113	c6bpyA_	Alignment	not modelled	100.0	18	PDB header: oxidoreductase Chain: A; PDB Molecule: thioredoxin reductase; PDBTitle: aspergillus fumigatus thioredoxin reductase
114	c4b1bB_	Alignment	not modelled	100.0	16	PDB header: oxidoreductase Chain: B; PDB Molecule: thioredoxin reductase; PDBTitle: crystal structure of plasmodium falciparum oxidised2 thioredoxin reductase at 2.9 angstrom
115	c2cfyB_	Alignment	not modelled	100.0	17	PDB header: oxidoreductase Chain: B; PDB Molecule: thioredoxin reductase 1; PDBTitle: crystal structure of human thioredoxin reductase 1
116	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
117	c2q7vA_	Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: A; PDB Molecule: thioredoxin reductase; PDBTitle: crystal structure of deinococcus radiodurans thioredoxin reductase
118	c4jnaA_	Alignment	not modelled	100.0	18	PDB header: oxidoreductase/oxidoreductase inhibitor Chain: A; PDB Molecule: deph; PDBTitle: crystal structure of the deph complex with dimethyl-fk228
119	c3ctyA_	Alignment	not modelled	100.0	21	PDB header: oxidoreductase Chain: A; PDB Molecule: thioredoxin reductase; PDBTitle: crystal structure of t. acidophilum thioredoxin reductase
120	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