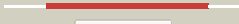



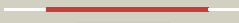





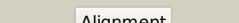

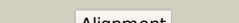


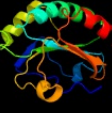











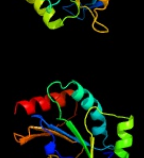


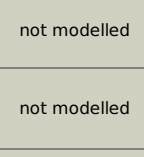


Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD0526 (-)_616849_617499
Date	Fri Jul 26 01:50:07 BST 2019
Unique Job ID	07f937ea7e3be44d

Detailed template
information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c2hyxA_	 Alignment		100.0	15	PDB header: unknown function Chain: A: PDB Molecule: protein dipz; PDBTitle: structure of the c-terminal domain of dipz from mycobacterium2 tuberculosis
2	c6gc1A_	 Alignment		100.0	13	PDB header: unknown function Chain: A: PDB Molecule: nhl repeat-containing protein 2; PDBTitle: crystal structure of trx-like and nhl repeat containing domains of2 human nhlrc2
3	c3lwaA_	 Alignment		100.0	49	PDB header: isomerase Chain: A: PDB Molecule: secreted thiol-disulfide isomerase; PDBTitle: the crystal structure of a secreted thiol-disulfide isomerase from2 corynebacterium glutamicum to 1.75a
4	c3lorB_	 Alignment		100.0	22	PDB header: isomerase Chain: B: PDB Molecule: thiol-disulfide isomerase and thioredoxins; PDBTitle: the crystal structure of a thiol-disulfide isomerase from2 corynebacterium glutamicum to 2.2a
5	c3eytA_	 Alignment		100.0	18	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein spoa0173; PDBTitle: crystal structure of thioredoxin-like superfamily protein spoa0173
6	d1jfua_	 Alignment		100.0	17	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
7	c4pq1B_	 Alignment		100.0	43	PDB header: oxidoreductase Chain: B: PDB Molecule: putative electron transport related protein; PDBTitle: crystal structure and functional implications of a dsbf homologue from2 corynebacterium diphtheriae
8	d2b5xa1	 Alignment		100.0	12	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
9	c3or5A_	 Alignment		100.0	20	PDB header: oxidoreductase Chain: A: PDB Molecule: thiol:disulfide interchange protein, thioredoxin family PDBTitle: crystal structure of thiol:disulfide interchange protein, thioredoxin2 family protein from chlorobium tepidum t1s
10	c2ywiA_	 Alignment		99.9	15	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: hypothetical conserved protein; PDBTitle: crystal structure of uncharacterized conserved protein from2 geobacillus kaustophilus
11	c4evmA_	 Alignment		99.9	12	PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin family protein; PDBTitle: 1.5 angstrom crystal structure of soluble domain of membrane-anchored2 thioredoxin family protein from streptococcus pneumoniae strain3 canada mdr_19a

12	d2fy6a1	Alignment		99.9	11	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
13	c4tr3A	Alignment		99.9	13	PDB header: oxidoreductase Chain: A: PDB Molecule: type iii iodothyronine deiodinase; PDBTitle: mouse iodothyronine deiodinase 3 catalytic core, semet-labeled active2 site mutant secys->cys
14	c2l5oA	Alignment		99.9	17	PDB header: oxidoreductase Chain: A: PDB Molecule: putative thioredoxin; PDBTitle: solution structure of a putative thioredoxin from neisseria2 meningitidis
15	c4ka0C	Alignment		99.9	15	PDB header: oxidoreductase Chain: C: PDB Molecule: putative thiol-disulfide oxidoreductase; PDBTitle: crystal structure of a putative thiol-disulfide oxidoreductase from2 bacteroides vulgatus (target nysgrc-011676), space group p21221
16	c3hczA	Alignment		99.9	15	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: possible thiol-disulfide isomerase; PDBTitle: the crystal structure of a domain of possible thiol-disulfide2 isomerase from cytophaga hutchinsonii atcc 33406.
17	c3kh7A	Alignment		99.9	23	PDB header: oxidoreductase Chain: A: PDB Molecule: thiol:disulfide interchange protein dsbe; PDBTitle: crystal structure of the periplasmic soluble domain of reduced ccmg2 from pseudomonas aeruginosa
18	c3razA	Alignment		99.9	21	PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin-related protein; PDBTitle: the crystal structure of thioredoxin-related protein from neisseria2 meningitidis serogroup b
19	c3kcmC	Alignment		99.9	26	PDB header: oxidoreductase Chain: C: PDB Molecule: thioredoxin family protein; PDBTitle: the crystal structure of thioredoxin protein from geobacter2 metallireducens
20	d1knga	Alignment		99.9	20	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
21	c3cynC	Alignment	not modelled	99.9	13	PDB header: oxidoreductase Chain: C: PDB Molecule: probable glutathione peroxidase 8; PDBTitle: the structure of human gpx8
22	c3erwG	Alignment	not modelled	99.9	24	PDB header: oxidoreductase Chain: G: PDB Molecule: sporulation thiol-disulfide oxidoreductase a; PDBTitle: crystal structure of stoa from bacillus subtilis
23	c2p5qA	Alignment	not modelled	99.9	13	PDB header: oxidoreductase Chain: A: PDB Molecule: glutathione peroxidase 5; PDBTitle: crystal structure of the poplar glutathione peroxidase 5 in the2 reduced form
24	d2f8aa1	Alignment	not modelled	99.9	15	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
25	c3gl3D	Alignment	not modelled	99.9	19	PDB header: oxidoreductase Chain: D: PDB Molecule: putative thiol:disulfide interchange protein PDBTitle: crystal structure of a putative thiol:disulfide interchange2 protein dsbe from chlorobium tepidum
26	c2v1mA	Alignment	not modelled	99.9	15	PDB header: oxidoreductase Chain: A: PDB Molecule: glutathione peroxidase; PDBTitle: crystal structure of schistosoma mansoni glutathione2 peroxidase
27	c5um7B	Alignment	not modelled	99.9	17	PDB header: oxidoreductase Chain: B: PDB Molecule: thioredoxin signature protein; PDBTitle: crystal structure of the reduced state of the thiol-disulfide2 reductase sdba from streptococcus gordonii
28	d1z5ye1	Alignment	not modelled	99.9	20	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
						Fold: Thioredoxin fold

29	d1gp1a_	Alignment	not modelled	99.9	13	Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
30	c3cmiA_	Alignment	not modelled	99.9	14	PDB header: oxidoreductase Chain: A: PDB Molecule: peroxiredoxin hyr1; PDBTitle: crystal structure of glutathione-dependent phospholipid peroxidase2 hyr1 from the yeast saccharomyces cerevisiae
31	c2b1kA_	Alignment	not modelled	99.9	20	PDB header: oxidoreductase Chain: A: PDB Molecule: thiol:disulfide interchange protein dsbe; PDBTitle: crystal structure of e. coli ccmg protein
32	d2cvba1	Alignment	not modelled	99.9	13	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
33	d1st9a_	Alignment	not modelled	99.9	21	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
34	c2lrtA_	Alignment	not modelled	99.9	15	PDB header: oxidoreductase Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: solution structure of the uncharacterized thioredoxin-like protein2 bvu_1432 from bacteroides vulgatus
35	c2yp6A_	Alignment	not modelled	99.9	17	PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin family protein; PDBTitle: crystal structure of the pneumococcal exposed lipoprotein2 thioredoxin sp_1000 (etrx2) from streptococcus pneumoniae3 strain tigr4 in complex with cyclofos 3 tm
36	c3u5rG_	Alignment	not modelled	99.9	18	PDB header: structural genomics, unknown function Chain: G: PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of a hypothetical protein smc02350 from2 sinorhizobium meliloti 1021
37	d1zzoa1	Alignment	not modelled	99.9	17	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
38	c4nmuB_	Alignment	not modelled	99.9	21	PDB header: oxidoreductase Chain: B: PDB Molecule: thiol-disulfide oxidoreductase resa; PDBTitle: crystal structure of thiol-disulfide oxidoreductase from bacillus str.2 'ames ancestor'
39	c4yodA_	Alignment	not modelled	99.9	12	PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin-like protein; PDBTitle: crystal structure of a thioredoxin-like protein (baccac_02376) from2 bacteroides caccae atcc 43185 at 1.90 a resolution
40	d1lu4a_	Alignment	not modelled	99.9	18	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
41	c2ls5A_	Alignment	not modelled	99.9	18	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: solution structure of a putative protein disulfide isomerase from2 bacteroides thetaiotaomicron
42	c3ha9A_	Alignment	not modelled	99.9	18	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized thioredoxin-like protein; PDBTitle: the 1.7a crystal structure of a thioredoxin-like protein from2 aeropyrum pernix
43	c4eo3A_	Alignment	not modelled	99.9	17	PDB header: oxidoreductase Chain: A: PDB Molecule: bacterioferritin comigratory protein/nadh dehydrogenase; PDBTitle: peroxiredoxin nitroreductase fusion enzyme
44	c4fo5A_	Alignment	not modelled	99.9	12	PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin-like protein; PDBTitle: crystal structure of a thioredoxin-like protein (bdi_1100) from2 parabacteroides distasonis atcc 8503 at 2.02 a resolution
45	c2m72A_	Alignment	not modelled	99.9	16	PDB header: unknown function Chain: A: PDB Molecule: uncharacterized thioredoxin-like protein; PDBTitle: solution structure of uncharacterized thioredoxin-like protein pg_21752 from porphyromonas gingivalis
46	c2r37A_	Alignment	not modelled	99.9	8	PDB header: oxidoreductase Chain: A: PDB Molecule: glutathione peroxidase 3; PDBTitle: crystal structure of human glutathione peroxidase 3 (selenocysteine to2 glycine mutant)
47	c3dvwB_	Alignment	not modelled	99.9	11	PDB header: oxidoreductase Chain: B: PDB Molecule: glutathione peroxidase-like protein; PDBTitle: glutathione peroxidase-type tryparedoxin peroxidase, oxidized form
48	c3ia1A_	Alignment	not modelled	99.9	18	PDB header: oxidoreductase Chain: A: PDB Molecule: thio-disulfide isomerase/thioredoxin; PDBTitle: crystal structure of thio-disulfide isomerase from thermus2 thermophilus
49	c3ew1A_	Alignment	not modelled	99.9	13	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized conserved protein bf1870; PDBTitle: crystal structure of conserved protein bf1870 of unknown function from2 bacteroides fragilis
50	c2he3A_	Alignment	not modelled	99.9	11	PDB header: oxidoreductase Chain: A: PDB Molecule: glutathione peroxidase 2; PDBTitle: crystal structure of the selenocysteine to cysteine mutant of human2 glutathione peroxidase 2 (gpx2)
51	d1uula_	Alignment	not modelled	99.9	11	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
52	c4fyuB_	Alignment	not modelled	99.9	14	PDB header: oxidoreductase Chain: B: PDB Molecule: thioredoxin; PDBTitle: crystal structure of thioredoxin from wuchereria bancrofti at 2.02 angstrom
53	c2p31B_	Alignment	not modelled	99.9	14	PDB header: oxidoreductase Chain: B: PDB Molecule: glutathione peroxidase 7; PDBTitle: crystal structure of human glutathione peroxidase 7
54	c2obiA_	Alignment	not modelled	99.9	12	PDB header: oxidoreductase Chain: A: PDB Molecule: phospholipid hydroperoxide glutathione PDBTitle: crystal structure of the selenocysteine to cysteine mutant2 of human phospholipid hydroperoxide glutathione

						peroxidase3 (gpx4)
55	dlzyea1	Alignment	not modelled	99.9	11	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
56	c3fkfC_	Alignment	not modelled	99.9	16	PDB header: oxidoreductase Chain: C: PDB Molecule: thiol-disulfide oxidoreductase; PDBTitle: thiol-disulfide oxidoreductase from bacteroides fragilis nctc 9343
57	c3eurA_	Alignment	not modelled	99.9	21	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of the c-terminal domain of uncharacterized protein2 from bacteroides fragilis nctc 9343
58	c3hdcA_	Alignment	not modelled	99.9	18	PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin family protein; PDBTitle: the crystal structure of thioredoxin protein from geobacter2 metallireducens
59	c2lrnA_	Alignment	not modelled	99.9	23	PDB header: oxidoreductase Chain: A: PDB Molecule: thiol:disulfide interchange protein; PDBTitle: solution structure of a thiol:disulfide interchange protein from2 bacteroides sp.
60	c5y63E_	Alignment	not modelled	99.9	11	PDB header: oxidoreductase Chain: E: PDB Molecule: alkyl hydroperoxide reductase, c subunit; PDBTitle: crystal structure of enterococcus faecalis ahpc
61	c3fw2A_	Alignment	not modelled	99.9	19	PDB header: oxidoreductase Chain: A: PDB Molecule: thiol-disulfide oxidoreductase; PDBTitle: c-terminal domain of putative thiol-disulfide oxidoreductase from2 bacteroides thetaiotaomicron.
62	d1wp0a1	Alignment	not modelled	99.9	12	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
63	c6feuj_	Alignment	not modelled	99.9	9	PDB header: oxidoreductase Chain: J: PDB Molecule: peroxiredoxin; PDBTitle: prxq2, a 1-cys peroxiredoxin of the thermo-acidophilic archaeon2 sulfobolus islandicus
64	d1n8ja_	Alignment	not modelled	99.9	14	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
65	d1qmva_	Alignment	not modelled	99.9	12	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
66	c3me8B_	Alignment	not modelled	99.9	11	PDB header: electron transport Chain: B: PDB Molecule: putative uncharacterized protein; PDBTitle: crystal structure of putative electron transfer protein aq_2194 from2 aquifex aeolicus vf5
67	c2rliA_	Alignment	not modelled	99.9	19	PDB header: metal transport Chain: A: PDB Molecule: sco2 protein homolog, mitochondrial; PDBTitle: solution structure of cu(i) human sco2
68	c3tkpB_	Alignment	not modelled	99.9	11	PDB header: oxidoreductase Chain: B: PDB Molecule: peroxiredoxin-4; PDBTitle: crystal structure of full-length human peroxiredoxin 4 in the reduced2 form
69	c2bmxB_	Alignment	not modelled	99.9	13	PDB header: oxidoreductase Chain: B: PDB Molecule: alkyl hydroperoxidase c; PDBTitle: mycobacterium tuberculosis ahpc
70	d2bmx1	Alignment	not modelled	99.9	13	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
71	c2c0dA_	Alignment	not modelled	99.9	15	PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin peroxidase 2; PDBTitle: structure of the mitochondrial 2-cys peroxiredoxin from2 plasmodium falciparum
72	c3drnB_	Alignment	not modelled	99.9	17	PDB header: oxidoreductase Chain: B: PDB Molecule: peroxiredoxin, bacterioferritin comigratory protein PDBTitle: the crystal structure of bcp1 from sulfobolus sulfataricus
73	c1zyeL_	Alignment	not modelled	99.9	12	PDB header: oxidoreductase Chain: L: PDB Molecule: thioredoxin-dependent peroxide reductase; PDBTitle: crystal structure analysis of bovine mitochondrial peroxiredoxin iii
74	d1o8xa_	Alignment	not modelled	99.9	13	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
75	c4hdeA_	Alignment	not modelled	99.9	14	PDB header: lipid binding protein Chain: A: PDB Molecule: sco1/senc family lipoprotein; PDBTitle: the crystal structure of a sco1/senc family lipoprotein from bacillus2 anthracis str. ames
76	d1i5ga_	Alignment	not modelled	99.9	16	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
77	c2b7kD_	Alignment	not modelled	99.9	12	PDB header: metal binding protein Chain: D: PDB Molecule: sco1 protein; PDBTitle: crystal structure of yeast sco1
78	d2b7ka1	Alignment	not modelled	99.9	11	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
79	c3ztlB_	Alignment	not modelled	99.9	11	PDB header: oxidoreductase Chain: B: PDB Molecule: thioredoxin peroxidase; PDBTitle: crystal structure of decameric form of peroxiredoxin i from2 schistosoma mansonii
80	d1qq2a_	Alignment	not modelled	99.9	12	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
						Fold: Thioredoxin fold

81	d1yexa1	Alignment	not modelled	99.9	17	Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
82	c5jcgC	Alignment	not modelled	99.9	12	PDB header: oxidoreductase Chain: C: PDB Molecule: thioredoxin-dependent peroxide reductase, mitochondrial; PDBTitle: structure of human peroxiredoxin 3 as three stacked rings
83	c1zofB	Alignment	not modelled	99.9	12	PDB header: oxidoreductase Chain: B: PDB Molecule: alkyl hydroperoxide-reductase; PDBTitle: crystal structure of alkyl hydroperoxide-reductase (ahpc2) from helicobacter pylori
84	d1o73a	Alignment	not modelled	99.9	18	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
85	d1zofa1	Alignment	not modelled	99.9	13	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
86	c3w6gP	Alignment	not modelled	99.9	10	PDB header: oxidoreductase Chain: P: PDB Molecule: probable peroxiredoxin; PDBTitle: structure of peroxiredoxin from anaerobic hyperthermophilic archaeon2 pyrococcus horikoshii
87	d1e2ya	Alignment	not modelled	99.9	12	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
88	c2lusA	Alignment	not modelled	99.9	13	PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin; PDBTitle: nmr structure of carinoscorpis rotundicauda thioredoxin related2 protein 16 and its role in regulating transcription factor nf-kb3 activity
89	c3sbcG	Alignment	not modelled	99.9	12	PDB header: oxidoreductase Chain: G: PDB Molecule: peroxiredoxin tsa1; PDBTitle: crystal structure of saccharomyces cerevisiae tsa1c47s mutant protein
90	c3gknA	Alignment	not modelled	99.9	14	PDB header: oxidoreductase Chain: A: PDB Molecule: bacterioferritin comigratory protein; PDBTitle: insights into the alkyl peroxide reduction activity of xanthomonas2 campestris bacterioferritin comigratory protein from the trapped3 intermediate/ligand complex structures
91	c3kebB	Alignment	not modelled	99.9	9	PDB header: oxidoreductase Chain: B: PDB Molecule: probable thiol peroxidase; PDBTitle: thiol peroxidase from chromobacterium violaceum
92	c3s9fA	Alignment	not modelled	99.9	17	PDB header: electron transport Chain: A: PDB Molecule: tryparedoxin; PDBTitle: the structure of tryparedoxin i from leishmania major
93	d2h01a1	Alignment	not modelled	99.9	16	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
94	d2zcta1	Alignment	not modelled	99.9	14	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
95	c5enuB	Alignment	not modelled	99.9	18	PDB header: oxidoreductase Chain: B: PDB Molecule: alkyl hydroperoxide reductase/ thiol specific antioxidant/ PDBTitle: crystal structure of an alkyl hydroperoxide reductase from burkholderia2 ambifaria
96	c5zteA	Alignment	not modelled	99.9	11	PDB header: oxidoreductase Chain: A: PDB Molecule: 2-cys peroxiredoxin bas1, chloroplastic; PDBTitle: crystal structure of prxa c119s mutant from arabidopsis thaliana
97	c2h66G	Alignment	not modelled	99.9	14	PDB header: structural genomics/oxidoreductase Chain: G: PDB Molecule: pv-pf14_0368; PDBTitle: the crystal structure of plasmodium vivax 2-cys2 peroxiredoxin
98	c2jszA	Alignment	not modelled	99.9	16	PDB header: oxidoreductase Chain: A: PDB Molecule: probable thiol peroxidase; PDBTitle: solution structure of tpx in the reduced state
99	c2i81B	Alignment	not modelled	99.9	14	PDB header: oxidoreductase Chain: B: PDB Molecule: 2-cys peroxiredoxin; PDBTitle: crystal structure of plasmodium vivax 2-cys peroxiredoxin,2 reduced
100	d1xcca	Alignment	not modelled	99.9	9	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
101	c3ixrA	Alignment	not modelled	99.9	12	PDB header: oxidoreductase Chain: A: PDB Molecule: bacterioferritin comigratory protein; PDBTitle: crystal structure of xylella fastidiosa prqx c47s mutant
102	c4txoB	Alignment	not modelled	99.9	13	PDB header: oxidoreductase/copper binding protein Chain: B: PDB Molecule: blr1131 protein; PDBTitle: crystal structure of the mixed disulfide complex of thioredoxin-like2 tlpas(c110s) and copper chaperone scois(c74s)
103	c2v2gC	Alignment	not modelled	99.9	11	PDB header: oxidoreductase Chain: C: PDB Molecule: peroxiredoxin 6; PDBTitle: crystal structure of the c45s mutant of the peroxiredoxin 62 of arenicola marina. monoclinic form
104	c5ovqL	Alignment	not modelled	99.9	16	PDB header: oxidoreductase Chain: L: PDB Molecule: peroxiredoxin; PDBTitle: crystal structure of the peroxiredoxin (ahpc2) from the2 hyperthermophilic bacteria aquifex aeolicus vf
105	c2yzhD	Alignment	not modelled	99.9	14	PDB header: oxidoreductase Chain: D: PDB Molecule: probable thiol peroxidase; PDBTitle: crystal structure of peroxiredoxin-like protein from aquifex aeolicus
106	c3tueB	Alignment	not modelled	99.9	9	PDB header: oxidoreductase Chain: B: PDB Molecule: tryparedoxin peroxidase; PDBTitle: the structure of tryparedoxin peroxidase i from

					leishmania major
107	d2cv4a1	Alignment	not modelled	99.9	15 Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
108	c4bpyA	Alignment	not modelled	99.9	9 PDB header: chaperone Chain: A: PDB Molecule: sco protein; PDBTitle: crystal structure of the c90a mutant of the sco copper chaperone2 protein from streptomyces lividans
109	d1xvwa1	Alignment	not modelled	99.8	12 Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
110	c4kb3B	Alignment	not modelled	99.8	12 PDB header: oxidoreductase Chain: B: PDB Molecule: peroxidoxin; PDBTitle: crystal structure of the mitochondrial peroxidoxin from leishmania2 braziliensis in the decameric form
111	d1we0a1	Alignment	not modelled	99.8	15 Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
112	d1psqa	Alignment	not modelled	99.8	13 Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
113	c5ykJA	Alignment	not modelled	99.8	13 PDB header: transferase Chain: A: PDB Molecule: peroxidoxin prx1, mitochondrial; PDBTitle: structural basis of the thiol resolving mechanism in yeast2 mitochondrial 1-cys peroxidoxin via glutathione/thioredoxin systems
114	d2cx4a1	Alignment	not modelled	99.8	11 Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
115	d1xzoa1	Alignment	not modelled	99.8	12 Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
116	c2k6vA	Alignment	not modelled	99.8	13 PDB header: electron transport Chain: A: PDB Molecule: putative cytochrome c oxidase assembly protein; PDBTitle: solution structures of apo sco1 protein from thermus2 thermophilus
117	c2xpdC	Alignment	not modelled	99.8	14 PDB header: oxidoreductase Chain: C: PDB Molecule: thiol peroxidase; PDBTitle: reduced thiol peroxidase (tpx) from yersinia pseudotuberculosis
118	d2a4va1	Alignment	not modelled	99.8	14 Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
119	c4je1A	Alignment	not modelled	99.8	16 PDB header: oxidoreductase Chain: A: PDB Molecule: probable thiol peroxidase; PDBTitle: crystal structure of thiol peroxidase from burkholderia cenocepacia2 j2315
120	d1q98a	Alignment	not modelled	99.8	16 Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like