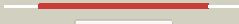



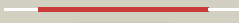




























Phyre2

Email	l.a.kelley@imperial.ac.uk
Description	P0A0B7
Date	Tue Jul 17 17:05:04 BST 2012
Unique Job ID	3ade001d859356b7

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	dln8ja_	 Alignment		100.0	65	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
2	dlqmva_	 Alignment		100.0	35	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
3	dluula_	 Alignment		100.0	34	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
4	dlprxa_	 Alignment		100.0	23	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
5	c2v2gC_	 Alignment		100.0	26	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
6	dlxcca_	 Alignment		100.0	25	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
7	d2zcta1	 Alignment		100.0	29	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
8	c3ztlB_	 Alignment		100.0	36	PDB header: oxidoreductase Chain: B: PDB Molecule: thioredoxin peroxidase; PDBTitle: crystal structure of decameric form of peroxiredoxin i from2 schistosoma mansoni
9	dlyexa1	 Alignment		100.0	64	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
10	dlwe0a1	 Alignment		100.0	75	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
11	clzofB_	 Alignment		100.0	32	PDB header: oxidoreductase Chain: B: PDB Molecule: alkyl hydroperoxide-reductase; PDBTitle: crystal structure of alkyl hydroperoxide-reductase (ahpc)2 from helicobacter pylori

12	d2h01a1	Alignment		100.0	36	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
13	c2bmxB	Alignment		100.0	27	PDB header: oxidoreductase Chain: B: PDB Molecule: alkyl hydroperoxidase c; PDBTitle: mycobacterium tuberculosis ahpc
14	c2c0dA	Alignment		100.0	31	PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin peroxidase 2; PDBTitle: structure of the mitochondrial 2-cys peroxiredoxin from2 plasmodium falciparum
15	d1e2ya	Alignment		100.0	33	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
16	c2h66G	Alignment		100.0	31	PDB header: structural genomics/oxidoreductase Chain: G: PDB Molecule: pv-pf14_0368; PDBTitle: the crystal structure of plasmodium vivax 2-cys2 peroxiredoxin
17	d1qq2a	Alignment		100.0	37	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
18	dlzofa1	Alignment		100.0	31	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
19	c1zyeL	Alignment		100.0	35	PDB header: oxidoreductase Chain: L: PDB Molecule: thioredoxin-dependent peroxide reductase; PDBTitle: crystal strucutre analysis of bovine mitochondrial peroxiredoxin iii
20	d2bmx1	Alignment		100.0	28	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
21	d1zyea1	Alignment	not modelled	100.0	35	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
22	d2cv4a1	Alignment	not modelled	100.0	29	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
23	c3kebB	Alignment	not modelled	100.0	11	PDB header: oxidoreductase Chain: B: PDB Molecule: probable thiol peroxidase; PDBTitle: thiol peroxidase from chromobacterium violaceum
24	d2cvba1	Alignment	not modelled	100.0	12	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
25	c2ywiA	Alignment	not modelled	100.0	17	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: hypothetical conserved protein; PDBTitle: crystal structure of uncharacterized conserved protein from2 geobacillus kaustophilus
26	d1xvwa1	Alignment	not modelled	100.0	23	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
27	c3gknA	Alignment	not modelled	100.0	24	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
28	c4f82A	Alignment	not modelled	100.0	20	PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin reductase; PDBTitle: x-ray crystal structure of a putative thioredoxin reductase from2 burkholderia cenocepacia

29	d1nm3a2	Alignment	not modelled	100.0	22	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
30	c3umaC	Alignment	not modelled	100.0	22	PDB header: oxidoreductase Chain: C: PDB Molecule: hypothetical peroxiredoxin protein; PDBTitle: crystal structure of a hypothetical peroxiredoxin protein frm2 sinorhizobium meliloti
31	d1hd2a	Alignment	not modelled	99.9	25	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
32	c2jszA	Alignment	not modelled	99.9	18	PDB header: oxidoreductase Chain: A: PDB Molecule: probable thiol peroxidase; PDBTitle: solution structure of tpx in the reduced state
33	c3ixrA	Alignment	not modelled	99.9	22	PDB header: oxidoreductase Chain: A: PDB Molecule: bacterioferritin comigratory protein; PDBTitle: crystal structure of xylella fastidiosa prqx c47s mutant
34	c2wfcD	Alignment	not modelled	99.9	21	PDB header: oxidoreductase Chain: D: PDB Molecule: peroxiredoxin 5; PDBTitle: crystal structure of peroxiredoxin 5 from arenicola marina
35	d1tp9a1	Alignment	not modelled	99.9	23	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
36	c2xhfA	Alignment	not modelled	99.9	16	PDB header: oxidoreductase Chain: A: PDB Molecule: peroxiredoxin 5; PDBTitle: crystal structure of peroxiredoxin 5 from alvinella pompejana
37	c2yzhD	Alignment	not modelled	99.9	21	PDB header: oxidoreductase Chain: D: PDB Molecule: probable thiol peroxidase; PDBTitle: crystal structure of peroxiredoxin-like protein from aquifex aeolicus
38	d2cx4a1	Alignment	not modelled	99.9	24	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
39	d1psqa	Alignment	not modelled	99.9	18	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
40	c2hyxA	Alignment	not modelled	99.9	17	PDB header: unknown function Chain: A: PDB Molecule: protein dipz; PDBTitle: structure of the c-terminal domain of dipz from mycobacterium2 tuberculosis
41	c2xpdC	Alignment	not modelled	99.9	19	PDB header: oxidoreductase Chain: C: PDB Molecule: thiol peroxidase; PDBTitle: reduced thiol peroxidase (tpx) from yersinia pseudotuberculosis
42	d1xiya1	Alignment	not modelled	99.9	15	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
43	c4dsqB	Alignment	not modelled	99.9	19	PDB header: oxidoreductase Chain: B: PDB Molecule: peroxiredoxin type-2; PDBTitle: crystal structure of peroxiredoxin ahp1 from saccharomyces cerevisiae2 in oxidized form
44	d1xvqa	Alignment	not modelled	99.9	17	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
45	d1q98a	Alignment	not modelled	99.9	16	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
46	c3drnB	Alignment	not modelled	99.9	21	PDB header: oxidoreductase Chain: B: PDB Molecule: peroxiredoxin, bacterioferritin comigratory protein PDBTitle: the crystal structure of bcp1 from sulfolobus sulfataricus
47	c2pwjB	Alignment	not modelled	99.9	18	PDB header: oxidoreductase Chain: B: PDB Molecule: mitochondrial peroxiredoxin; PDBTitle: structure of a mitochondrial type ii peroxiredoxin from2 pisum sativum
48	d1qxha	Alignment	not modelled	99.9	19	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
49	c2ywnA	Alignment	not modelled	99.9	26	PDB header: oxidoreductase Chain: A: PDB Molecule: peroxiredoxin-like protein; PDBTitle: crystal structure of peroxiredoxin-like protein from2 sulfolobus tokodaii
50	d2b7ka1	Alignment	not modelled	99.9	17	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
51	d2a4va1	Alignment	not modelled	99.9	14	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
52	c2lrnA	Alignment	not modelled	99.9	19	PDB header: oxidoreductase Chain: A: PDB Molecule: thiol:disulfide interchange protein; PDBTitle: solution structure of a thiol:disulfide interchange protein from2 bacteroides sp.
53	d1jfua	Alignment	not modelled	99.9	16	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
54	c3hdcA	Alignment	not modelled	99.9	14	PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin family protein; PDBTitle: the crystal structure of thioredoxin protein from geobacter2 metallireducens
55	c3gl3D	Alignment	not modelled	99.9	20	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
56	c3me8B	Alignment	not modelled	99.9	14	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
57	c3kcmC	Alignment	not modelled	99.9	19	PDB header: oxidoreductase Chain: C: PDB Molecule: thioredoxin family protein; PDBTitle: the crystal structure of thioredoxin protein from geobacter2 metallireducens
58	c21s5A	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
59	c3hczA	Alignment	not modelled	99.9	13	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.
60	c3lorB	Alignment	not modelled	99.9	16	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
61	c3kh7A	Alignment	not modelled	99.9	17	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
62	c3ha9A	Alignment	not modelled	99.9	14	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
63	d1lu4a	Alignment	not modelled	99.9	16	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
64	d1xzoa1	Alignment	not modelled	99.9	21	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
65	c2b7kD	Alignment	not modelled	99.9	16	PDB header: metal binding protein Chain: D: PDB Molecule: sco1 protein; PDBTitle: crystal structure of yeast sco1
66	c215oA	Alignment	not modelled	99.9	16	PDB header: oxidoreductase Chain: A: PDB Molecule: putative thioredoxin; PDBTitle: solution structure of a putative thioredoxin from neisseria2 meningitidis
67	c1nm3B	Alignment	not modelled	99.9	24	PDB header: electron transport Chain: B: PDB Molecule: protein hi0572; PDBTitle: crystal structure of heamophilus influenza hybrid-prx5
68	d1st9a	Alignment	not modelled	99.9	20	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
69	c3eytA	Alignment	not modelled	99.9	13	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein spoa0173; PDBTitle: crystal structure of thioredoxin-like superfamily protein spoa0173
70	c4evmA	Alignment	not modelled	99.9	17	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
71	c2k6vA	Alignment	not modelled	99.9	19	PDB header: electron transport Chain: A: PDB Molecule: putative cytochrome c oxidase assembly protein; PDBTitle: solution structures of apo sco1 protein from thermus2 thermophilus
72	d2b5xa1	Alignment	not modelled	99.9	12	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
73	c4fo5A	Alignment	not modelled	99.9	15	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
74	c2b1kA	Alignment	not modelled	99.9	14	PDB header: oxidoreductase Chain: A: PDB Molecule: thiol:disulfide interchange protein dsbe; PDBTitle: crystal structure of e. coli ccmg protein
75	c3or5A	Alignment	not modelled	99.9	18	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
76	d1wp0a1	Alignment	not modelled	99.9	18	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
77	c2rliA	Alignment	not modelled	99.9	15	PDB header: metal transport Chain: A: PDB Molecule: sco2 protein homolog, mitochondrial; PDBTitle: solution structure of cu(i) human sco2
78	c3ewlA	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
79	c3fw2A	Alignment	not modelled	99.9	12	PDB header: oxidoreductase Chain: A: PDB Molecule: thiol-disulfide oxidoreductase; PDBTitle: c-terminal domain of putative thiol-disulfide oxidoreductase from2 bacteroides thetaiotaomicron.
80	c3ia1A	Alignment	not modelled	99.8	18	PDB header: oxidoreductase Chain: A: PDB Molecule: thio-disulfide isomerase/thioredoxin; PDBTitle: crystal structure of thio-disulfide isomerase from thermus2 thermophilus

81	c3erwG	Alignment	not modelled	99.8	15	PDB header: oxidoreductase Chain: G: PDB Molecule: sporulation thiol-disulfide oxidoreductase a; PDBTitle: crystal structure of stoa from bacillus subtilis
82	d2fy6a1	Alignment	not modelled	99.8	15	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
83	c3fkfC	Alignment	not modelled	99.8	13	PDB header: oxidoreductase Chain: C: PDB Molecule: thiol-disulfide oxidoreductase; PDBTitle: thiol-disulfide oxidoreductase from bacteroides fragilis nctc 9343
84	c3lwaA	Alignment	not modelled	99.8	14	PDB header: isomerase Chain: A: PDB Molecule: secreted thiol-disulfide isomerase; PDBTitle: the crystal structure of a secreted thiol-disulfide2 isomerase from corynebacterium glutamicum to 1.75a
85	c3eurA	Alignment	not modelled	99.8	13	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
86	d1zzoa1	Alignment	not modelled	99.8	20	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
87	c2lrtA	Alignment	not modelled	99.8	13	PDB header: oxidoreductase Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: solution structure of the uncharacterized thioredoxin-like protein2 bv_u_1432 from bacteroides vulgatus
88	c2p5qA	Alignment	not modelled	99.8	11	PDB header: oxidoreductase Chain: A: PDB Molecule: glutathione peroxidase 5; PDBTitle: crystal structure of the poplar glutathione peroxidase 5 in2 the reduced form
89	c3cynC	Alignment	not modelled	99.8	13	PDB header: oxidoreductase Chain: C: PDB Molecule: probable glutathione peroxidase 8; PDBTitle: the structure of human gpx8
90	c2v1mA	Alignment	not modelled	99.8	10	PDB header: oxidoreductase Chain: A: PDB Molecule: glutathione peroxidase; PDBTitle: crystal structure of schistosoma mansoni glutathione2 peroxidase
91	d1knga	Alignment	not modelled	99.8	14	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
92	d1o8xa	Alignment	not modelled	99.8	16	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
93	c3dvwB	Alignment	not modelled	99.8	15	PDB header: oxidoreductase Chain: B: PDB Molecule: glutathione peroxidase-like protein; PDBTitle: glutathione peroxidase-type tryparedoxin peroxidase,2 oxidized form
94	d1o73a	Alignment	not modelled	99.8	16	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
95	c2p31B	Alignment	not modelled	99.8	16	PDB header: oxidoreductase Chain: B: PDB Molecule: glutathione peroxidase 7; PDBTitle: crystal structure of human glutathione peroxidase 7
96	c2he3A	Alignment	not modelled	99.7	13	PDB header: oxidoreductase Chain: A: PDB Molecule: glutathione peroxidase 2; PDBTitle: crystal structure of the selenocysteine to cysteine mutant of human2 glutathionine peroxidase 2 (gpx2)
97	d1gp1a	Alignment	not modelled	99.7	10	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
98	d2f8aa1	Alignment	not modelled	99.7	12	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
99	c3s9fA	Alignment	not modelled	99.7	13	PDB header: electron transport Chain: A: PDB Molecule: tryparedoxin; PDBTitle: the structure of tryparedoxin i from leishmania major
100	c2obiA	Alignment	not modelled	99.7	11	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)
101	c2lusA	Alignment	not modelled	99.7	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
102	c3cmiA	Alignment	not modelled	99.7	12	PDB header: oxidoreductase Chain: A: PDB Molecule: peroxidorexin hyr1; PDBTitle: crystal structure of glutathione-dependent phospholipid peroxidase2 hyr1 from the yeast saccharomyces cerevisiae
103	c3razA	Alignment	not modelled	99.7	15	PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin-related protein; PDBTitle: the crystal structure of thioredoxin-related protein from neisseria2 meningitidis serogroup b
104	d1i5ga	Alignment	not modelled	99.7	14	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
105	c2r37A	Alignment	not modelled	99.6	15	PDB header: oxidoreductase Chain: A: PDB Molecule: glutathione peroxidase 3; PDBTitle: crystal structure of human glutathione peroxidase 3 (selenocysteine to2 glycine mutant)
106	d1z5ye1	Alignment	not modelled	99.6	12	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
						PDB header: structural genomics, unknown function

107	c3f9uA_	Alignment	not modelled	99.2	12	Chain: A; PDB Molecule: putative exported cytochrome c biogenesis-related protein; PDBTitle: crystal structure of c-terminal domain of putative exported cytochrome2 c biogenesis-related protein from bacteroides fragilis
108	c2l57A_	Alignment	not modelled	99.0	14	PDB header: structural genomics, unknown function Chain: A; PDB Molecule: uncharacterized protein; PDBTitle: solution structure of an uncharacterized thioredoxin-like protein from2 clostridium perfringens
109	c2ju5A_	Alignment	not modelled	98.8	17	PDB header: oxidoreductase Chain: A; PDB Molecule: thioredoxin disulfide isomerase; PDBTitle: dsbh oxidoreductase
110	c2kucA_	Alignment	not modelled	98.7	13	PDB header: isomerase Chain: A; PDB Molecule: putative disulphide-isomerase; PDBTitle: solution structure of a putative disulphide-isomerase from bacteroides2 thetaiotaomicron
111	d2fwaha1	Alignment	not modelled	98.6	16	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Thioltransferase
112	c2pptA_	Alignment	not modelled	98.5	13	PDB header: oxidoreductase Chain: A; PDB Molecule: thioredoxin-2; PDBTitle: crystal structure of thioredoxin-2
113	d1z6na1	Alignment	not modelled	98.4	9	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Thioltransferase
114	d1j08a2	Alignment	not modelled	98.4	13	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: PDI-like
115	c3emxB_	Alignment	not modelled	98.3	13	PDB header: oxidoreductase Chain: B; PDB Molecule: thioredoxin; PDBTitle: crystal structure of thioredoxin from aeropyrum pernix
116	c1v98A_	Alignment	not modelled	98.2	16	PDB header: oxidoreductase Chain: A; PDB Molecule: thioredoxin; PDBTitle: crystal structure analysis of thioredoxin from thermus thermophilus
117	c3ul3A_	Alignment	not modelled	98.2	16	PDB header: oxidoreductase Chain: A; PDB Molecule: thioredoxin; PDBTitle: structural insights into thioredoxin-2: a component of malaria2 parasite protein secretion machinery
118	c3fk8A_	Alignment	not modelled	98.2	7	PDB header: isomerase Chain: A; PDB Molecule: disulphide isomerase; PDBTitle: the crystal structure of disulphide isomerase from xylella fastidiosa2 temecula1
119	c3p2aA_	Alignment	not modelled	98.2	10	PDB header: oxidoreductase Chain: A; PDB Molecule: putative thioredoxin-like protein; PDBTitle: crystal structure of thioredoxin 2 from yersinia pestis
120	c3p2aB_	Alignment	not modelled	98.2	8	PDB header: oxidoreductase Chain: B; PDB Molecule: putative thioredoxin-like protein; PDBTitle: crystal structure of thioredoxin 2 from yersinia pestis