



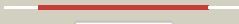




























#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	d1legoa_	 Alignment		99.9	100	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Thioltransferase
2	d1ktea_	 Alignment		99.8	24	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Thioltransferase
3	d1jhba_	 Alignment		99.8	24	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Thioltransferase
4	c2jadA_	 Alignment		99.8	24	PDB header: electron transport Chain: A: PDB Molecule: yellow fluorescent protein glutaredoxin fusion PDBTitle: yellow fluorescent protein - glutaredoxin fusion protein
5	c2hzfA_	 Alignment		99.8	26	PDB header: electron transport, oxidoreductase Chain: A: PDB Molecule: glutaredoxin-1; PDBTitle: crystal structures of a poxviral glutaredoxin in the oxidized and 2 reduced states show redox-correlated structural changes
6	c3l4nA_	 Alignment		99.8	20	PDB header: oxidoreductase Chain: A: PDB Molecule: monothiol glutaredoxin-6; PDBTitle: crystal structure of yeast monothiol glutaredoxin grx6
7	c2e7pC_	 Alignment		99.8	23	PDB header: electron transport Chain: C: PDB Molecule: glutaredoxin; PDBTitle: crystal structure of the holo form of glutaredoxin c1 from populus2 tremula x tremuloides
8	c3lqcA_	 Alignment		99.8	35	PDB header: unknown function Chain: A: PDB Molecule: glutaredoxin 1; PDBTitle: crystal structure of glutaredoxin 1 from francisella2 tularensis
9	c2jacA_	 Alignment		99.8	24	PDB header: electron transport Chain: A: PDB Molecule: glutaredoxin-1; PDBTitle: glutaredoxin grx1p c30s mutant from yeast
10	c3d5jB_	 Alignment		99.8	20	PDB header: oxidoreductase Chain: B: PDB Molecule: glutaredoxin-2, mitochondrial; PDBTitle: structure of yeast grx2-c30s mutant with glutathionyl mixed2 disulfide
11	c3c1sA_	 Alignment		99.8	24	PDB header: oxidoreductase Chain: A: PDB Molecule: glutaredoxin-1; PDBTitle: crystal structure of grx1 in glutathionylated form

12	c3qmxA_	Alignment		99.8	33	PDB header: electron transport Chain: A: PDB Molecule: glutaredoxin a; PDBTitle: x-ray crystal structure of synechocystis sp. pcc 6803 glutaredoxin a
13	c3fzaA_	Alignment		99.8	22	PDB header: oxidoreductase Chain: A: PDB Molecule: glutaredoxin; PDBTitle: crystal structure of poplar glutaredoxin s12 in complex with2 glutathione and beta-mercaptoethanol
14	d1fova_	Alignment		99.8	39	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Thioltransferase
15	c2khpA_	Alignment		99.8	36	PDB header: electron transport Chain: A: PDB Molecule: glutaredoxin; PDBTitle: solution structure of glutaredoxin from brucella melitensis
16	c2ht9A_	Alignment		99.8	34	PDB header: oxidoreductase Chain: A: PDB Molecule: glutaredoxin-2; PDBTitle: the structure of dimeric human glutaredoxin 2
17	d1abaa_	Alignment		99.8	23	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Thioltransferase
18	c2klxA_	Alignment		99.8	34	PDB header: oxidoreductase Chain: A: PDB Molecule: glutaredoxin; PDBTitle: solution structure of glutaredoxin from bartonella henselae str.2 houston
19	c3h8qB_	Alignment		99.8	29	PDB header: oxidoreductase Chain: B: PDB Molecule: thioredoxin reductase 3; PDBTitle: crystal structure of glutaredoxin domain of human thioredoxin2 reductase 3
20	c1nm3B_	Alignment		99.7	29	PDB header: electron transport Chain: B: PDB Molecule: protein hi0572; PDBTitle: crystal structure of heamophilus influenza hybrid-prx5
21	d1wika_	Alignment	not modelled	99.7	19	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Thioltransferase
22	c3gx8A_	Alignment	not modelled	99.7	17	PDB header: electron transport Chain: A: PDB Molecule: monothiol glutaredoxin-5, mitochondrial; PDBTitle: structural and biochemical characterization of yeast2 monothiol glutaredoxin grx5
23	c1ykaA_	Alignment	not modelled	99.7	22	PDB header: electron transport Chain: A: PDB Molecule: monothiol glutaredoxin ydhg; PDBTitle: solution structure of grx4, a monothiol glutaredoxin from2 e. coli.
24	d1t1va_	Alignment	not modelled	99.7	23	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: SH3BGR (SH3-binding, glutamic acid-rich protein-like)
25	c2wulB_	Alignment	not modelled	99.7	15	PDB header: oxidoreductase Chain: B: PDB Molecule: glutaredoxin related protein 5; PDBTitle: crystal structure of the human glutaredoxin 5 with bound2 glutathione in an fes cluster
26	c3ipzA_	Alignment	not modelled	99.7	19	PDB header: electron transport, oxidoreductase Chain: A: PDB Molecule: monothiol glutaredoxin-s14, chloroplastic; PDBTitle: crystal structure of arabidopsis monothiol glutaredoxin atgrxcp
27	d1nm3a1	Alignment	not modelled	99.7	28	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Thioltransferase
28	d1r7ha_	Alignment	not modelled	99.7	23	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Thioltransferase

29	dlh75a_	Alignment	not modelled	99.6	19	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Thioltransferase
30	c3ic4A_	Alignment	not modelled	99.6	17	PDB header: oxidoreductase Chain: A: PDB Molecule: glutaredoxin (grx-1); PDBTitle: the crystal structure of the glutaredoxin(grx-1) from archaeoglobus2 fulgidus
31	c3nznA_	Alignment	not modelled	99.5	18	PDB header: oxidoreductase Chain: A: PDB Molecule: glutaredoxin; PDBTitle: the crystal structure of the glutaredoxin from methanosarcina mazei2 go1
32	c2ct6A_	Alignment	not modelled	99.5	21	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: sh3 domain-binding glutamic acid-rich-like PDBTitle: solution structure of the sh3 domain-binding glutamic acid-2 rich-like protein 2
33	clu6tA_	Alignment	not modelled	99.5	19	PDB header: protein binding, signaling protein Chain: A: PDB Molecule: sh3 domain-binding glutamic acid-rich-like PDBTitle: crystal structure of the human sh3 binding glutamic-rich2 protein like
34	dlhyua4	Alignment	not modelled	98.8	18	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: PDI-like
35	clzypB_	Alignment	not modelled	98.8	15	PDB header: oxidoreductase Chain: B: PDB Molecule: alkyl hydroperoxide reductase subunit f; PDBTitle: synchrotron reduced form of the n-terminal domain of2 salmonella typhimurium ahpf
36	dlwjka_	Alignment	not modelled	98.7	14	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Thioltransferase
37	c2v6oA_	Alignment	not modelled	98.6	24	PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin glutathione reductase; PDBTitle: structure of schistosoma mansoni thioredoxin-glutathione2 reductase (smtgr)
38	clhyuA_	Alignment	not modelled	98.5	16	PDB header: oxidoreductase Chain: A: PDB Molecule: alkyl hydroperoxide reductase subunit f; PDBTitle: crystal structure of intact ahpf
39	dlnhoa_	Alignment	not modelled	98.5	18	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Thioltransferase
40	c2fgxA_	Alignment	not modelled	98.5	21	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: putative thioredoxin; PDBTitle: solution nmr structure of protein ne2328 from nitrosomonas2 europaea. northeast structural genomics consortium target3 net3.
41	clz9hB_	Alignment	not modelled	98.4	15	PDB header: isomerase Chain: B: PDB Molecule: membrane-associated prostaglandin e synthase-2; PDBTitle: microsomal prostaglandin e synthase type-2
42	dle6ba2	Alignment	not modelled	98.2	12	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione S-transferase (GST), N-terminal domain
43	dlg7oa2	Alignment	not modelled	98.2	16	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione S-transferase (GST), N-terminal domain
44	dlz9ha2	Alignment	not modelled	98.2	16	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione S-transferase (GST), N-terminal domain
45	dlk0ma2	Alignment	not modelled	98.2	21	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione S-transferase (GST), N-terminal domain
46	c2l6dA_	Alignment	not modelled	98.1	21	PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin; PDBTitle: solution structure of desulfothioredoxin from desulfovibrio vulgaris2 hildenborough in its reduced form
47	dla8la2	Alignment	not modelled	98.1	23	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: PDI-like
48	dl1tza_	Alignment	not modelled	98.1	18	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Thioltransferase
49	c2hlsB_	Alignment	not modelled	98.1	23	PDB header: oxidoreductase Chain: B: PDB Molecule: protein disulfide oxidoreductase; PDBTitle: the crystal structure of a protein disulfide oxidoreductase from2 aeropyrum pernix k1
50	c2kokA_	Alignment	not modelled	98.1	22	PDB header: oxidoreductase Chain: A: PDB Molecule: arsenate reductase; PDBTitle: solution structure of an arsenate reductase (arsc) related protein2 from brucella melitensis. seattle structural genomics center for3 infectious disease target braba.00007.a.
51	dloyja2	Alignment	not modelled	98.1	10	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione S-transferase (GST), N-terminal domain
52	c3lykA_	Alignment	not modelled	98.1	17	PDB header: transport protein Chain: A: PDB Molecule: stringent starvation protein a homolog; PDBTitle: structure of stringent starvation protein a homolog from2 haemophilus influenzae
53	dlgwca2	Alignment	not modelled	98.1	10	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione S-transferase (GST), N-terminal domain
54	dlpn9a2	Alignment	not modelled	98.0	11	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione S-transferase (GST), N-terminal domain

55	d1ljra2	Alignment	not modelled	98.0	10	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione S-transferase (GST), N-terminal domain
56	c2wz9A	Alignment	not modelled	98.0	17	PDB header: protein binding Chain: A: PDB Molecule: glutaredoxin-3; PDBTitle: crystal structure of the thioredoxin domain of human txnl2
57	d1eema2	Alignment	not modelled	98.0	14	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione S-transferase (GST), N-terminal domain
58	d1iloa	Alignment	not modelled	98.0	22	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Thioltransferase
59	d1fo5a	Alignment	not modelled	98.0	25	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Thioltransferase
60	d1xwaa	Alignment	not modelled	98.0	15	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Thioltransferase
61	c2aytB	Alignment	not modelled	98.0	20	PDB header: oxidoreductase Chain: B: PDB Molecule: glutaredoxin-like protein; PDBTitle: the crystal structure of a protein disulfide oxidoreductase from2 aquifex aeolicus
62	d1gh2a	Alignment	not modelled	98.0	21	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Thioltransferase
63	d1xfla	Alignment	not modelled	98.0	15	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Thioltransferase
64	c1k0nB	Alignment	not modelled	97.9	17	PDB header: metal transport Chain: B: PDB Molecule: chloride intracellular channel protein 1; PDBTitle: chloride intracellular channel 1 (clic1) complexed with glutathione
65	c2aheA	Alignment	not modelled	97.9	22	PDB header: metal transport Chain: A: PDB Molecule: chloride intracellular channel protein 4; PDBTitle: crystal structure of a soluble form of clic4. intercellular2 chloride ion channel
66	d1ti3a	Alignment	not modelled	97.9	22	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Thioltransferase
67	c3kp8A	Alignment	not modelled	97.9	14	PDB header: oxidoreductase Chain: A: PDB Molecule: vkorc1/thioredoxin domain protein; PDBTitle: the thioredoxin-like domain of a vkor homolog from2 synechococcus sp.
68	c2vimA	Alignment	not modelled	97.9	18	PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin; PDBTitle: x-ray structure of fasciola hepatica thioredoxin
69	d1dbya	Alignment	not modelled	97.9	16	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Thioltransferase
70	c2diyA	Alignment	not modelled	97.9	17	PDB header: protein binding Chain: A: PDB Molecule: thioredoxin-like protein 2; PDBTitle: the solution structure of the thioredoxin domain of human2 thioredoxin-like protein 2
71	d1j08a2	Alignment	not modelled	97.9	27	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: PDI-like
72	d1k0da2	Alignment	not modelled	97.9	10	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione S-transferase (GST), N-terminal domain
73	c3kp9A	Alignment	not modelled	97.9	16	PDB header: blood coagulation,oxidoreductase Chain: A: PDB Molecule: vkorc1/thioredoxin domain protein; PDBTitle: structure of a bacterial homolog of vitamin k epoxide reductase
74	c2vlvA	Alignment	not modelled	97.9	18	PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin h isoform 2.; PDBTitle: crystal structure of barley thioredoxin h isoform 2 in2 partially radiation-reduced state
75	d1v2aa2	Alignment	not modelled	97.8	15	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione S-transferase (GST), N-terminal domain
76	c1oyjC	Alignment	not modelled	97.8	12	PDB header: transferase Chain: C: PDB Molecule: glutathione s-transferase; PDBTitle: crystal structure solution of rice gst1 (osgstu1) in complex with2 glutathione.
77	d1fw1a2	Alignment	not modelled	97.8	12	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione S-transferase (GST), N-terminal domain
78	c1g7oA	Alignment	not modelled	97.8	17	PDB header: oxidoreductase Chain: A: PDB Molecule: glutaredoxin 2; PDBTitle: nmr solution structure of reduced e. coli glutaredoxin 2
79	c2oe0B	Alignment	not modelled	97.8	21	PDB header: electron transport Chain: B: PDB Molecule: thioredoxin-3; PDBTitle: crystal structure of mitochondrial thioredoxin 3 from2 saccharomyces cerevisiae
80	d1gnwa2	Alignment	not modelled	97.8	12	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione S-transferase (GST), N-terminal domain
81	c1t3ba	Alignment	not modelled	97.8	21	PDB header: isomerase Chain: A: PDB Molecule: thiol:disulfide interchange protein dsbc; PDBTitle: x-ray structure of dsbc from haemophilus influenzae

82	d1syra_	Alignment	not modelled	97.7	15	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Thioltransferase
83	d1m7ta_	Alignment	not modelled	97.7	16	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Thioltransferase
84	dlep7a_	Alignment	not modelled	97.7	26	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Thioltransferase
85	d1z3ea1	Alignment	not modelled	97.7	22	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: ArsC-like
86	d1jlwa2	Alignment	not modelled	97.7	12	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione S-transferase (GST), N-terminal domain
87	d1zmaa1	Alignment	not modelled	97.7	18	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Thioltransferase
88	c3gv1A_	Alignment	not modelled	97.7	21	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: disulfide interchange protein; PDBTitle: crystal structure of disulfide interchange protein from neisseria2 gonorrhoeae
89	d1j08a1	Alignment	not modelled	97.7	27	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: PDI-like
90	c3p2aA_	Alignment	not modelled	97.7	20	PDB header: oxidoreductase Chain: A: PDB Molecule: putative thioredoxin-like protein; PDBTitle: crystal structure of thioredoxin 2 from yersinia pestis
91	d1k0dd2	Alignment	not modelled	97.7	11	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione S-transferase (GST), N-terminal domain
92	c3gnjD_	Alignment	not modelled	97.6	25	PDB header: structural genomics, unknown function Chain: D: PDB Molecule: thioredoxin domain protein; PDBTitle: the crystal structure of a thioredoxin-related protein from2 desulfitobacterium hafniense dcb
93	c3ic8D_	Alignment	not modelled	97.6	8	PDB header: structural genomics, unknown function Chain: D: PDB Molecule: uncharacterized gst-like proteinprotein; PDBTitle: the crystal structure of a gst-like protein from pseudomonas syringae2 to 2.4a
94	d1r26a_	Alignment	not modelled	97.6	17	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Thioltransferase
95	c1xbsA_	Alignment	not modelled	97.6	25	PDB header: transcription, cell cycle Chain: A: PDB Molecule: dim1-like protein; PDBTitle: crystal structure of human dim2: a dim1-like protein
96	d1f9ma_	Alignment	not modelled	97.6	19	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Thioltransferase
97	c3fy7B_	Alignment	not modelled	97.6	18	PDB header: transport protein Chain: B: PDB Molecule: chloride intracellular channel protein 3; PDBTitle: crystal structure of homo sapiens clic3
98	d2ifqa1	Alignment	not modelled	97.6	22	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Thioltransferase
99	c2vocA_	Alignment	not modelled	97.6	19	PDB header: electron transport Chain: A: PDB Molecule: thioredoxin; PDBTitle: thioredoxin a active site mutants form mixed disulfide2 dimers that resemble enzyme-substrate reaction3 intermediate
100	c2l5lA_	Alignment	not modelled	97.6	21	PDB header: transport protein Chain: A: PDB Molecule: thioredoxin; PDBTitle: solution structure of thioredoxin from bacteroides vulgatus
101	d1jlva2	Alignment	not modelled	97.6	11	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione S-transferase (GST), N-terminal domain
102	c3hz4A_	Alignment	not modelled	97.6	21	PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin; PDBTitle: crystal structure of thioredoxin from methanosarcina mazei
103	c2o7kA_	Alignment	not modelled	97.6	21	PDB header: electron transport Chain: A: PDB Molecule: thioredoxin; PDBTitle: s. aureus thioredoxin
104	c1ljrB_	Alignment	not modelled	97.6	10	PDB header: transferase Chain: B: PDB Molecule: glutathione s-transferase; PDBTitle: glutathione transferase (hgst t2-2) from human
105	c2yzuA_	Alignment	not modelled	97.6	17	PDB header: electron transport Chain: A: PDB Molecule: thioredoxin; PDBTitle: crystal structure of oxidized thioredoxin from thermus thermophilus2 hb8
106	c1jzdA_	Alignment	not modelled	97.6	22	PDB header: oxidoreductase Chain: A: PDB Molecule: thiol:disulfide interchange protein dsbc; PDBTitle: dsbc-dsbdalpha complex
107	c2e0qA_	Alignment	not modelled	97.6	14	PDB header: electron transport Chain: A: PDB Molecule: thioredoxin; PDBTitle: crystal structure of k53e thioredoxin from sulfolobus2 tokodaii strain7
108	d1axda2	Alignment	not modelled	97.6	7	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione S-transferase (GST), N-terminal domain
						PDB header: oxidoreductase

109	c3p2aB_	Alignment	not modelled	97.6	20	Chain: B: PDB Molecule: putative thioredoxin-like protein; PDBTitle: crystal structure of thioredoxin 2 from yersinia pestis
110	c2f51B_	Alignment	not modelled	97.6	19	PDB header: electron transport Chain: B: PDB Molecule: thioredoxin; PDBTitle: structure of trichomonas vaginalis thioredoxin
111	c2dizA_	Alignment	not modelled	97.5	16	PDB header: electron transport Chain: A: PDB Molecule: thioredoxin domain-containing protein 5; PDBTitle: the solution structure of the third thioredoxin domain of2 human thioredoxin domain-containing protein 5
112	d1fb6a_	Alignment	not modelled	97.5	11	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Thioltransferase
113	c3qdnA_	Alignment	not modelled	97.5	18	PDB header: oxidoreductase Chain: A: PDB Molecule: putative thioredoxin protein; PDBTitle: putative thioredoxin protein from salmonella typhimurium
114	c2pptA_	Alignment	not modelled	97.5	12	PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin-2; PDBTitle: crystal structure of thioredoxin-2
115	c3ul3A_	Alignment	not modelled	97.5	19	PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin; PDBTitle: structural insights into thioredoxin-2: a component of malaria2 parasite protein secretion machinery
116	d1aw9a2	Alignment	not modelled	97.5	12	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione S-transferase (GST), N-terminal domain
117	d1t3ba1	Alignment	not modelled	97.5	20	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: DsbC/DsbG C-terminal domain-like
118	c3tcoA_	Alignment	not modelled	97.5	13	PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin (trxa-1); PDBTitle: crystallographic and spectroscopic characterization of sulfolobus2 solfataricus trxa1 provide insights into the determinants of3 thioredoxin fold stability
119	d1thxa_	Alignment	not modelled	97.5	22	Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Thioltransferase
120	c1v98A_	Alignment	not modelled	97.5	14	PDB header: oxidoreductase Chain: A: PDB Molecule: thioredoxin; PDBTitle: crystal structure analysis of thioredoxin from thermus thermophilus