LIST OF TABLES

Table no.	Title	Page No.
Chapter 1	General introduction	1-20
	Nil	
Chapter 2	Standardization of conditions for thiol stress and	
man and the second seco	establishing reductive nature of thiol stress	21-28
Table 2.1	List of bacterial strains used in this study	23
Chapter 3	Identification of proteins showing differential expression under thiol stress in <i>Streptomyces</i>	
	coelicolor	29-44
Table 3.1	Results of peptide search for control and DTT treated	
	samples in MASCOT database with purified Enolase from <i>P. falciparum</i> as a standard protein	34
Table 3.2	Proteins identified in ~55 kDa band from control and	<i>3</i> 4
1 able 5.2	DTT treated S. coelicolor cultures	39
Table 3.3	Differentially expressed proteins under DTT stress as	•
	identified by 2D-PAGE, MALDI-TOF analysis and MASCOT search	42
The second secon	In Deed Seiter	TL
Chapter 4	The role of CatalaseA in DTT mediated thiol stress	45-65
Table 4.1	Relative viable count of S. coelicolor spores after EMS	(1.66) (16.67) 19.6 (16.67) 16.67 (16.67) 16.67 (16.67) 16.67 (16.67) 16.67 (16.67) 16.67 (16.67) 16.67 (16.67)
	exposure for varied time intervals	58
harrish i mandriketa manetiri (uksarish muora		
Chapter 5	Role of CatR in DTT mediated CatalaseA induction	66-77
and contributed by the major the laborator day through the distribution of the distrib	Nil	- 1-1850-1851 - 1840-1840 - 1840-1840 - 1840-1840 - 1840-1840 - 1840-1840 - 1840-1840 - 1840-1840 - 1840-1840
Chapter 6	Influence of thiol stress on oxidative phosphorylation and generation of ROS in	
	phosphorylation and generation of ROS in Streptomyces coelicolor	78-86
Table 6.1	Effect of DTT on oxidative phosphorylation in S.	
	coelicolor using glutamate, pyruvate + malate, succinate and ascorbate + TMPD as the substrate	84
	THE THE TANK WOULDNESS THE PROPERTY OF THE PRO	