

Table S1. Yeast strains used in this study.

Strain	Designation of Wt and mutant cells	Genotype	Source
BY4741	Wt	MAT a <i>his3 leu2 met15 ura3</i>	ATCC
GY25	$\Delta 3\text{Gpx}$	MAT a <i>his3 leu2 met15 ura3</i> <i>\Delta gpx1:URA3, \Delta gpx2:HIS3, \Delta gpx3:KAN</i>	Avery et al., 2001
GY14	$\Delta 5\text{Prx}$	MATa <i>his3 leu2 met15 ura3</i> <i>\Delta tsa1:KAN, \Delta tsa2:LEU2, \Delta dot5:MET15, \Delta ahp1:HIS3, \Delta prx1:URA3</i>	Wong et al., 2004
GY150	$\Delta 6$ (all ΔPrx + ΔGpx1)	MATa <i>his3 leu2 met15 ura3</i> <i>\Delta gpx3:KAN, URA3, \Delta tsa1:KAN, \Delta tsa2:LEU2, \Delta dot5:MET15, \Delta ahp1:HIS3, \Delta prx1:URA3</i>	This study
GY29	$\Delta 7$ (all ΔPrx +2 $\Delta\text{Gpx1,3}$)	MATa <i>his3 leu2 met15 ura3</i> <i>\Delta gpx1:URA3, \Delta gpx3:KAN, \Delta tsa1:KAN, \Delta tsa2:LEU2, \Delta dot5:MET15, \Delta ahp1:HIS3, \Delta prx1:URA3</i>	Fomenko et al., 2011
GY100	$\Delta 8$ (all ΔPrx +all ΔGpx)	MATa <i>his3 leu2 met15 ura3</i> <i>\Delta tsa1:KAN, \Delta tsa2:LEU2, \Delta dot5:MET15, \Delta ahp1:HIS3, \Delta prx1:URA3, \Delta gpx2:HYG, \Delta gpx1:URA3, \Delta gpx3:KAN</i>	Fomenko et al., 2011
GY151	$\Delta 8$ (all ΔPrx +all ΔGpx)	MATa <i>his3 leu2 met15 ura3</i> <i>\Delta tsa1:KAN, \Delta tsa2:LEU2, \Delta dot5:MET15, \Delta ahp1:HIS3, \Delta prx1:URA3, \Delta gpx2:HYG, \Delta gpx1:NAT, \Delta gpx3:KAN</i>	This study