

Supplemental Material

Table 1
Strains used in this study

Strain	Relevant genotype	Source
YPH250 (WT)	<i>MATa trp1-Δ1 his3-Δ200 leu2-Δ1 lys2-801 ade2-101 ura3-5</i>	Yeast Genetic Stock Center
<i>gpx1Δ</i>	YPH250, <i>gpx1Δ::HIS3</i>	This study
<i>gpx1Δgpx2Δgpx3Δ</i>	YPH250, <i>gpx1Δ::HIS3 gpx2Δ::KanMX4 gpx3Δ::LEU2</i>	This study
<i>msn2Δmsn4Δ</i>	YPH250, <i>msn2Δ::HIS3 msn4Δ::TRP1</i>	This study
<i>cnb1Δ</i>	YPH250, <i>cnb1Δ::HIS3</i>	This study
<i>Integrand of GPX1-lacZ</i>		
<i>GPX1-lacZ</i>	YPH250, <i>URA3::GPX1-lacZ</i>	This study
<i>STRE1mut-GPX1-lacZ</i>	YPH250, <i>URA3::STRE1mut-GPX1-lacZ</i>	This study
<i>STRE2mut-GPX1-lacZ</i>	YPH250, <i>URA3::STRE2mut-GPX1-lacZ</i>	This study
<i>STRE1/2mut-GPX1-lacZ</i>	YPH250, <i>URA3::STRE1/2mut-GPX1-lacZ</i>	This study
<i>crz1Δ</i>	YPH250, <i>crz1Δ::LEU2, URA3::GPX1-lacZ</i>	This study
<i>hog1Δ</i>	YPH250, <i>hog1Δ::LEU2, URA3::GPX1-lacZ</i>	This study
<i>msn2Δmsn4Δ</i>	YPH250, <i>msn2Δ::HIS3 msn4Δ::TRP1 URA3::GPX1-lacZ</i>	
<i>msn2Δmsn4Δ ras2Δ</i>	YPH250, <i>msn2Δ::HIS3 msn4Δ::kanMX4 ras2Δ::TRP1 URA3::GPX1-lacZ</i>	This study
<i>ras2Δ</i>	YPH250, <i>ras2Δ::TRP1 URA3::GPX1-lacZ</i>	This study
<i>Integrand of GPX1-3HA</i>		
<i>GPX1-3HA</i>	YPH250, <i>gpx1Δ::HIS3 URA3::GPX1-3HA</i>	This study
<i>msn2Δmsn4Δ</i>	YPH250, <i>gpx1Δ::HIS3 msn2Δ::KanMX4 msn4Δ::TRP1 URA3::GPX1-3HA</i>	This study
<i>msn2Δmsn4Δgis1Δ</i>	YPH250, <i>gpx1Δ::HIS3 msn2Δ::kanMX4 msn4Δ::TRP1 gis1Δ::LEU2 URA3::GPX1-3HA</i>	This study
<i>ras2Δ</i>	YPH250, <i>gpx1Δ::HIS3 ras2Δ::TRP1 URA3::GPX1-3HA</i>	This study
<i>snf1Δ</i>	YPH250, <i>gpx1Δ::HIS3 snf1Δ::kanMX4 URA3::GPX1-3HA</i>	This study
W303-1A (WT)	<i>MATa trp1-1 leu2-3 his3-11 ura3-1 ade2-1 can1-100</i>	Lab stock
<i>tos3Δelm1Δsak1Δ</i>	W303-1A, <i>tos3 elm1 sak1</i>	Hong & Carlson 2007

Table 2
Primers used in this study

Name of primer	Sequence
CNB1FhincII	5'-CATGTGGCAAGAACAGCGGGATGTATAGGT-3'
CNB1RhincII	5'-ATTACTGAAGGATGCGAGGTTCGAACTCGC-3'
CRZ1-S	5'-TAATATAGTGCAGCATGCAACTTGC-3'
CRZ1-R	5'-CACGTAAAACGGATCCTCATACAATA-3'
GIS1-F	5'-GGATTATGAGCTCTACTTACTGAA-3'
GIS1-R	5'-TTCATTTACGATGCA TGCAAGATTT-3'
GPX1-F	5'-ACCTTTTCGATCCATCACCCAATAAA-3'
GPX1-R	5'-GGCTTTTTCGACTCATACCATATAG-3'
GPX2-F	5'-GCCGGCCATATCTAGACAATTAGTA-3'
GPX2-R	5'-GTATTGGATGACGCCACTAAAGATA-3'
GPX3-F	5'-TTGCTGTTTCGCGACAGCCCTTATTT-3'
GPX3-R	5'-TTCATCTTCCAATATGTCTTGCAGC-3'
GPX1-lacZ-F	5'-GGAGTCGACGGACTTGATAGAATCCACCTT-3'
GPX1-lacZ-R	5'-GGTGAAAAAGAATGAATTCCTTGCATCGTT-3'
GPX1-HA-F	5'-AGTTAAACTCGAGTATTGGATCCTATAAGG-3'
GPX1-HA-R	5'-TAAAGATCTTCTTCTGGTGGTTGATTCAGT-3'
GPX1-pTBA-2F	5'-ACCCAATAAAACAACCTCGAGATAAT-3'
GPX1-pTBA-2R	5'-AGGTGAGCCCCGGCCTCGAGTTCTC-3'
HOG1-F	5'-GGAAGGACGGGTTTTGTCTCATGTTGTTTCG-3'
HOG1-R	5'-GGAAGGACGGGTTTTGTCTCATGTTGTTTCG-3'
MIG1-F	5'-TGTTTCGAGCTCTTGAGTTCTCCTGG-3'
MIG1-R	5'-ACTACGGCACCTACGACACCAATTC-3'
MIG2-F	5'-CGGAGCACCCGCAAACTGAAGTAA-3'
MIG2-R	5'-ATATAAAAGACCATGCCGGCCGCAA-3'
MSN2ΔHIS3F	5'-TTTGGGGCTTCCTCCACTATCTTTCGACTC-3'
MSN2ΔHIS3R	5'-CAITGAAGCCCCTCTTCATCCTTAGTCCTG-3'
MSN4-F	5'-CGTAGACCCCTTCAACATTCTCAAG-3'
MSN4-R	5'-TCTATACGTTAAAACCAGAACGTGC-3'
RAS2-F	5'-GAATAAGGGGATCCGGGAAAACGGG-3'
RAS2-R	5'-GGAACGTCCTCA TATTCACCAACTT-3'
SNF1-F	5'-AGTCACCTTGCTCGGTATTAGTCGT-3'
SNF1-R	5'-GCACTTTGTGGCAAGGAGTAATTAT-3'
SSN6-F	5'-AACCAGAGGCGTATTCCTGTTACCT-3'
SSN6-R	5'-ATAACCTAATTCACGTTACCCACCT-3'
STRE1mut-F	5'-CATTAGTATCATCTTGACATACCCC-3'
STRE1mut-R	5' GTATGTCAGATGATACTAATGTAT-3'
STRE2mut-F	5'-ATTTGCTTTCATCT TCTGTTCCCTA-3'
STRE2mut-R	5'-GGAACAGAAGATGAAAGCAAATACG-3'
TUP1-F	5'-AACTGGCTGAACACGTGCCCCCTCTA-3'
TUP1-R	5'-GGAGCTAACCCCTACTGCTTTAGAGA-3'