

Table S8

stress condition	responsiveness
constant.0.32.mM.H2O2..50.min..redo	10.16967
X1.5.mM.diamide..50.min.	10.12476
X1.5.mM.diamide..30.min.	9.60098
MAL33_H2O2Hi	9.51034
X1.5.mM.diamide..40.min.	9.46265
X1.mM.Menadione..50.min.redo	9.10940
PHO2_H2O2Hi	8.34421
X1.5.mM.diamide..20.min.	8.19445
constant.0.32.mM.H2O2..60.min..redo	8.01224
RDS1_H2O2Hi	7.86457
X1.5.mM.diamide..60.min.	7.67790
aa.starv.2.h	7.50441
X1.5.mM.diamide..10.min.	7.12504
aa.starv.1.h	6.95960
constant.0.32.mM.H2O2..80.min..redo	6.17336
GZF3_RAPA	6.10360
X1mM.Menadione..40.min..redo	6.08165
X1.5.mM.diamide..90.min.	5.35812
constant.0.32.mM.H2O2..100.min..redo	5.19361
aa.starv.6.h	5.16202
Nitrogen.Depletion.2.h	4.86709
RPH1_H2O2Hi	4.82796
X1.mM.Menadione..80.min..redo	4.77925
X1.mM.Menadione..105.min..redo	4.74282
diauxic.shift.timecourse.18.5.h	4.72623
X1.mM.Menadione..30.min..redo	4.71487
heat.shock.33.to.37..20.minutes	4.56492
XBP1_H2O2Lo	4.51483
constant.0.32.mM.H2O2..120.min..redo	4.35662
RTG3_RAPA	4.34976
RIM101_H2O2Hi	4.13256
SIG1_H2O2Hi	4.13256
IME4_H2O2Hi	4.12747
X37C.to.25C.shock...45.min	4.10700
ROX1_H2O2Hi	4.10196
YAP7_H2O2Lo	3.93031
BAS1_SM	3.91415
YAP6_H2O2Hi	3.76100
YAP1_H2O2Lo	3.68863
GAL4_RAFF	3.59181
aa.starv.0.5.h	3.53335
NRG1_H2O2Hi	3.52158
ARR1_H2O2Hi	3.50529
YAP5_H2O2Hi	3.50529
diauxic.shift.timecourse.20.5.h	3.37940
constant.0.32.mM.H2O2..30.min..redo	3.30101

Nitrogen.Depletion.2.d	3.27345
aa.starv.4.h	3.13906
YAP7_H2O2Hi	3.12924
Nitrogen.Depletion.1.d	3.12825
SOK2_BUT14	3.10540
Nitrogen.Depletion.3.d	3.07903
Nitrogen.Depletion.5.d	3.05690
constant.0.32.mM.H2O2..160.min..redo	2.96587
X1.mM.Menadione..160.min..redo	2.89254
Nitrogen.Depletion.4.h	2.87166
PHO2_SM	2.84705
MSN2_H2O2Hi	2.83060
diauxic.shift.timecourse.13.5.h	2.80054
MSS11_BUT14	2.73877
IME1_H2O2Hi	2.70652
HSF1_HEAT	2.70652
X1.5.mM.diamide..5.min.	2.67464
RCS1_H2O2Hi	2.64989
Nitrogen.Depletion.12.h	2.63836
heat.shock.17.to.37..20.minutes	2.61756
dt.060.min.dtt.2	2.60443
constant.0.32.mM.H2O2..20.min..redo	2.60438
constant.0.32.mM.H2O2..10.min..redo	2.60178
heat.shock.21.to.37..20.minutes	2.59306
X29C..1M.sorbitol.to.33C....NO.sorbitol...15.minutes	2.51554
Nitrogen.Depletion.8.h	2.33235
Heat.Shock.15.minutes.hs.1	2.29054
X1.mM.Menadione..10.min.redo	2.28391
heat.shock.25.to.37..20.minutes	2.27155
Heat.Shock.30.minutes.hs.1	2.24009
AFT2_H2O2Hi	2.21956
heat.shock.29.to.37..20.minutes	2.18641
UGA3_RAPA	2.15487
GCN4_SM	2.07427
RTG3_H2O2Lo	2.03737
GLN3_RAPA	1.99353
Heat.Shock.015.minutes..hs.2	1.99112
Nitrogen.Depletion.1.h	1.97187
X1M.sorbitol...15.min	1.91130
dt.240.min.dtt.2	1.87830
STP1_SM	1.83256
X37C.to.25C.shock...15.min	1.82434
Nitrogen.Depletion.30.min.	1.79039
Heat.Shock.000.minutes..hs.2	1.76679
UGA3_SM	1.75624
MOT3_H2O2Hi	1.75624
Hypo.osmotic.shock...60.min	1.75265
GCN4_RAPA	1.74498
X29C..1M.sorbitol.to.33C...1M.sorbitol...15.minutes	1.74333

constant.0.32.mM.H2O2..40.min..rescan	1.66702
GZF3_H2O2Hi	1.64429
RPN4_H2O2Hi	1.64429
Heat.Shock.20.minutes.hs.1	1.57349
X29C..1M.sorbitol.to.33C...1M.sorbitol...30.minutes	1.52749
Hypo.osmotic.shock...30.min	1.52141
Heat.Shock.000.minutes..hs.2.1	1.51755
dt.000.min..dt.2	1.48575
Heat.Shock.000.minutes.hs.2	1.46001
MSN2_H2O2Lo	1.45276
NRG1_H2O2Lo	1.45276
X29C.to.33C...15.minutes	1.40276
dt.015.min.dtt.2	1.39944
Hypo.osmotic.shock...5.min	1.39760
PUT3_H2O2Lo	1.39571
X2.5mM.DTT.015.min.dtt.1	1.38552
MOT3_SM	1.38331
X29C..1M.sorbitol.to.33C....NO.sorbitol...5.minutes	1.33838
Heat.Shock.030inutes..hs.2	1.32052
Heat.Shock.10.minutes.hs.1	1.30336
X29C.to.33C...5.minutes	1.30205
X1M.sorbitol...30.min	1.29317
DAL81_RAPA	1.28536
X1.mM.Menadione..20.min..redo	1.28429
Heat.Shock.60.minutes.hs.1	1.24269
RPN4_H2O2Lo	1.21897
Heat.Shock.060.minutes..hs.2	1.20712
GCR2_SM	1.20122
MSN4_H2O2Lo	1.19617
X1M.sorbitol...60.min	1.19054
MSN4_RAPA	1.17786
dt.030.min..dt.2	1.17384
Heat.Shock.40.minutes.hs.1	1.15806
X37C.to.25C.shock...30.min	1.14278
X1M.sorbitol...5.min	1.12450
dt.120.min.dtt.2	1.12004
SIP4_SM	1.09788
X29C.to.33C...30.minutes	1.02393
AFT2_H2O2Lo	1.01048
Hypo.osmotic.shock...45.min	0.98783
MSN4_H2O2Hi	0.91611
Heat.Shock.05.minutes.hs.1	0.89253
LEU3_SM	0.88152
GAT1_RAPA	0.88152
diauxic.shift.timecourse.15.5.h	0.88115
X37C.to.25C.shock...90.min	0.86294
MET4_SM	0.85348
X29C..1M.sorbitol.to.33C...1M.sorbitol...5.minutes	0.83376
X2.5mM.DTT.005.min.dtt.1	0.81001

X2.5mM.DTT.180.min.dtt.1	0.79255
X1M.sorbitol...120.min	0.78037
FKH2_H2O2Lo	0.77895
X2.5mM.DTT.090.min.dtt.1	0.76949
RTG3_SM	0.75684
steady.state.1M.sorbitol	0.75645
X1M.sorbitol...45.min	0.74726
X33C.vs..30C...90.minutes	0.72393
CBF1_SM	0.67454
X2.5mM.DTT.060.min.dtt.1	0.66900
TEC1_BUT14	0.64590
DAL80_RAPA	0.61545
GAL4_GAL	0.60121
X2.5mM.DTT.030.min.dtt.1	0.57620
X2.5mM.DTT.120.min.dtt.1	0.55207
X1M.sorbitol...90.min	0.54964
X1.mM.Menadione..120.min.redo	0.53133
GAT1_SM	0.52697
THI2_Thi.	0.52697
Heat.Shock.80.minutes.hs.1	0.49701
MSN2_RAPA	0.48605
ASH1_BUT14	0.48605
Hypo.osmotic.shock...15.min	0.45177
RIM101_H2O2Lo	0.45037
DAL82_SM	0.41895
YAP6_H2O2Lo	0.41167
MBP1_H2O2Lo	0.40460
Diauxic.Shift.Timecourse...0.h	0.33497
dtt.480.min.dtt.2	0.33119
DAL81_SM	0.26351
HAP4_SM	0.26351
PHO2_H2O2Lo	0.26351
RPH1_H2O2Lo	0.26351
PHO2_Pi.	0.26351
diauxic.shift.timecourse11.5	0.26285
KSS1_BUT90	0.24928
MTH1_GAL	0.24928
X29C..1M.sorbitol.to.33C....NO.sorbitol...30.minutes	0.24570
CAD1_H2O2Hi	0.23000
KSS1_Alpha	0.23000
SKN7_H2O2Lo	0.22322
ADR1_SM	0.22252
SFP1_H2O2Hi	0.22252
MOT3_H2O2Lo	0.22252
UME6_H2O2Hi	0.22106
RTG1_SM	0.21591
MIG2_H2O2Hi	0.21591
ROX1_H2O2Lo	0.21591
MSN4_Acid	0.21591

YAP1_H2O2Hi	0.20995
X2.5mM.DTT.045.min.dtt.1	0.20680
PDR1_H2O2Lo	0.20450
diauxic.shift.timecourse.9.5.h	0.20336
PHD1_BUT90	0.19582
ARG80_SM	0.19481
YJL206C_H2O2Lo	0.19481
SKN7_HEAT	0.18633
YJL206C_H2O2Hi	0.18244
MET31_SM	0.17876
RPH1_SM	0.17876
ADR1_HEAT	0.17876
HSF1_H2O2Hi	0.17049
MAC1_H2O2Hi	0.16566
SFP1_H2O2Lo	0.16566
MBP1_H2O2Hi	0.15263
RCS1_SM	0.14956
HAP4_H2O2Lo	0.14956
CAD1_SM	0.14488
ARG81_SM	0.14048
PUT3_SM	0.13838
RTG1_RAPA	0.13434
MSN2_Acid	0.13434
PHO4_Pi.	0.13434
ARO80_SM	0.13240
CHA4_SM	0.12341
HAP5_SM	0.12010
X37C.to.25C.shock...60.min	0.11963
MET32_SM	0.11694
HAP2_RAPA	0.11541
DIG1_BUT90	0.11541
TEC1_Alpha	0.11392
SFP1_SM	0.10961
GLN3_SM	0.10426
DAL82_RAPA	0.09696
REB1_H2O2Hi	0.09360
DIG1_BUT14	0.08541
DIG1_Alpha	0.07736
CIN5_H2O2Hi	0.07333
HSF1_H2O2Lo	0.05911
SKN7_H2O2Hi	0.05853
STE12_BUT90	0.05738
MCM1_Alpha	0.05626
FKH2_H2O2Hi	0.05571
STE12_Alpha	0.04729
RCS1_H2O2Lo	0.04596
CIN5_H2O2Lo	0.04553
STE12_BUT14	0.04305
Heat.Shock.005.minutes..hs.2	0.03696

FHL1_RAPA	0.02602
FHL1_SM	0.02324
MET28_SM	0.00000
RAP1_SM	0.00000
FHL1_H2O2Hi	0.00000
YAP3_H2O2Hi	0.00000
MAL33_H2O2Lo	0.00000
REB1_H2O2Lo	0.00000
PHD1_BUT14	0.00000
RLM1_BUT14	0.00000
MIG1_GAL	0.00000
RGT1_GAL	0.00000
GAT1_HEAT	0.00000
MSN2_HEAT	0.00000
YAP1_HEAT	0.00000