



Figure S1. Cells expressing epitope-tagged Uba1, Cdc34, Ubc1 and Sic1 exhibited wild-type growth under normal and oxidative stress conditions. 10-fold serial dilutions of wild-type cells (W303-1a – wt) and either cells expressing (A) 13Myc epitope-tagged Cdc34 (KD79 – Cdc34-Myc), 3HA epitope-tagged Uba1 (KD102 – Uba1-HA) or both 13Myc epitope-tagged Cdc34 and 3HA epitope-tagged Uba1 (KD103 – Cdc34-Myc Uba1-HA), (B) 13Myc epitope-tagged Ubc1 (KD130 – Ubc1-Myc) or (D) 13Myc epitope-tagged Sic1 (KD4 – Sic1-Myc), were spotted onto either YPD media or YPD media containing either (A and B) 2mM diamide or 2mM H₂O₂, or (D) 1.8mM diamide, and incubated at 30°C for 2 days. (C) Cells expressing either Uba1-HA (KD102), Cdc34-Myc (KD79) or Ubc1-Myc (KD130) grew similarly to wild-type (W303-1a) cells in liquid YPD media at 30°C. Growth curves were performed three times and error bars indicate the SEM.

Primer Name	Sequence (5'- 3')
Cdc34tagF	AACGACAGCGTCATGGATAGGAAACAACCCCAAGGCTGAAG ATGAAAGTGAAGATGTGGAGGATGTAGAAAGAGTTTCAAAGAA AATACGGATCCCCGGGTAAATTA
Cdc34tagR	ACCGTATCGCGTATGTATAAATTGATTCATGTTTTGCGTTTGAG CTGAATATGTTTTGTAAATTTGTCTTCTTCTTACTGTTCTTTT GAATTCGAGCTCGTTTAAAC
Sic1tagF	GGAGAGGTGGTAGAGAAACGAAGGTTAACGGATGAAGAAAAG AGAAGATTCAAGCCAAAGGCATTGTTTCAATCTAGGGATCAAG AGCATCGGATCCCCGGGTAAATTA
Sic1tagR	ATGTTGATGTTAATGCCCTTTGCAAATAAATGTAGAATAAGTA AGTAAATAAAATATAATCGTTCCAGAACTTTTTTTTTTCATTTC TGAATTCGAGCTCGTTTAAAC
Uba1TagF	CCGGCACATGTATCTACAATGATTCTCGAAATTTGCGCAGATGA CAAGGAAGGAGAGGATGTTGAAGTTCCTTTCATTACCATTATC TACGGATCCCCGGGTAAATTA
Uba1TagR	CAAAGAAAAAGTTGTCAAAGTCATACATATATATACATAT TTAATGTATATATTTAATTTATTTTTTATTTTGGTTAATTAGTTA CGAATTCGAGCTCGTTTAAAC
Ubc1TagF	ATTGTGGAAGTGTTGAGACGATTAGGCGTCAAGTCCTTAGACCC CAATGACAACAACACAGCCAACCGTATCATCGAGGAATTGTTG AAGCGGATCCCCGGGTAAATTA
Ubc1TagR	ACAATGAAACATCCTCGCTTGGTGTTTTACTCATATAGTTTATTT ATTCTTTATTTACTTACTTACTTGGTGCGTTTTTTTTTATCTATG AATTCGAGCTCGTTTAAAC
Sic1KOF	ATATCCAAAGGATAAGGTATTGTCTTTGTAATCAATCAACCAA ACCTCTACGGAATTTTGACCCTTGAAGCAGGGACTATTACACGA AAGAATTCGCGGGATCCGG
Sic1KOR	ATGTTGATGTTAATGCCCTTTGCAAATAAATGTAGAATAAGTA AGTAAATAAAATATAATCGTTCCAGAACTTTTTTTTTTCATTTC TGCTTGGCTGCAGGTCGACGG
Uba1EcoRIF	GGAATTCCTATCCACTCCTTGTTAAGC
Adh1tEcoRIR	GGAATTCATATTACCCTGTTATCCC
Uba1MutCF	CCACCAGAAAAGTCTATCCCATTGTCTACCCTACGTTCTTTCCC
Uba1MutCR	CAATCTTGTTTGGGAAAGAACGTAGGGTAGACAATGGGATAG
BamH13HA6HISF	GGCGGGATCCCGATGTACCATAACGATGTTTCTGACTATGCGGG CTATCCGTATGACGTCCCGGACTATGCAGGATCCTATCCATATG ACGTTCCAGATTACGCTATGCATCACCATCACCATCACATGC
BamH1Ubr	CGGGATCCCTAGCCACCCCTGAGCCG

Supplementary Table 1. A list of the oligonucleotide primers used in this study.