# Supplementary Materials

# Artemisinin targets transcription factor PDR1 and impairs *Candida glabrata* mitochondrial function

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**Table S1.** *C. glabrata* strains in this study.

| Stains | Genotype | Reference |
|---|---|---|
| *C. glabrata* ATCC 2001 | Wild type | [1] |
| *C. glabrata* ATCC 55 | *his3Δ trp1Δ ura3Δ* | [2] |
| *Ndi1* KO | *his3Δ trp1Δ ura3Δ ndi1::His3* | This study |
| PDR1$^{R376W}$ | *his3Δ trp1Δ ura3Δ pdr1::His3 (pY14-PDR1* $^{R376W}$) | This study |
| PDR1$^{Y584C}$ | *his3Δ trp1Δ ura3Δ pdr1::His3 (pY14-PDR1* $^{Y584C}$) | This study |
| PDR1$^{P822L}$ | *his3Δ trp1Δ ura3Δ pdr1::His3 (pY14-PDR1* $^{P822L}$) | This study |
| PDR1$^{D1082G}$ | *his3Δ trp1Δ ura3Δ pdr1::His3 (pY14-PDR1* $^{D1082G}$) | This study |

**Table S2.** qPCR primers used in this study.

| Primers | Sequence |
|---|---|
| ACTIN qPCR-F | ACCGCTGCTCAATCTTCC |
| ACTIN qPCR-R | TCCTTACGAACATCAACATCAC |
| ERG1 qPCR-F | ACGATGTTGTCCTATTGAT |
| ERG1 qPCR-R | CGAAGTGGTAATCTAGCA |
| ERG3 qPCR-F | CTTCGGTCTGCTATTGTA |
| ERG3 qPCR-R | ACATCTGGTTCTTCAAGTA |
| ERG9 qPCR-F | GACCAACATTATCAGAGA |
| ERG9 qPCR-R | CTTCGTAGCATATTCAGA |
| ERG11 qPCR-F | TATGGTCGCCTTG CCATT |
| ERG11 qPCR-R | GACCCATGGGATCCAGTAGA |
| ACS1 qPCR-F | GTGTCGACAGACACGCTTTG |
| ACS1 qPCR-R | GAGAAACCTGCGAAGACGAC |
| ACS2 qPCR-F | CGCTGTGGTTGGTATCAATG |
| ACS2 qPCR-R | AGCGAATGGACCAATTTCAC |
| PDH E1α qPCR-F | CTCCAACCAAGGTCAGGTGT |
| PDH E1α qPCR-R | AGCTTGGTAGACAGCCAGGA |
| PDH E1β qPCR-F | AACTTGCGTTCCATCAGACC |
| PDH E1β qPCR-R | GCACCGGTGACTCTTTGAAT |
| PDH E2 qPCR-F | GGATGCTGGTGGATCTCAGT |
| PDH E2 qPCR-R | CTTCTCGACATCGGCCTTAG |
| PDH E3 qPCR-F | CCGTTATCGGTGGTGGTATC |
| PDH E3 qPCR-R | TCGGCAGAGACGACCTTAGT |
| NDI1 qPCR-F | CCTATGCTCAATCTGTCTT |
| NDI1 qPCR-R | GAATGGTCTCCTCTGTAAC |
| NDE1 qPCR-F | CCTACATTGGCTCTGAAC |
| NDE1 qPCR-R | TGACATACACATTGCTAAGT |

## References


1. Gregori, C.; Schüller, C.; Roetzer, A.; Schwarzmüller, T.; Ammerer, G.; Kuchler, K., The high-osmolarity glycerol response pathway in the human fungal pathogen Candida glabrata strain ATCC 2001 lacks a signaling branch that operates in baker's yeast. *Eukaryotic cell* **2007,** 6, (9), 1635-45.

2. Roetzer, A.; Gregori, C.; Jennings, A. M.; Quintin, J.; Ferrandon, D.; Butler, G.; Kuchler, K.; Ammerer, G.; Schuller, C., Candida glabrata environmental stress response involves Saccharomyces cerevisiae Msn2/4 orthologous transcription factors. *Mol Microbiol* **2008,** 69, (3), 603-20.