

1 **Supplemental Tables and Figure.**

2 Table S1. *C. albicans* strains used in this work.

3 Table S2. Primers used in this work.

4 Table S3. List of genes differentially expressed during colonization relative to laboratory
5 grown cells, in at least one strain in one organ.

6 Table S4. List of genes showing common differential expression in WT *C. albicans* cells
7 colonizing the cecum and the ileum.

8 Table S5. Expression of selected genes in WT and *efgI*⁻ null mutant cells colonizing the
9 GI tract, determined by microarray.

10 Table S6. List of genes differentially expressed between *efgI*⁻ null mutant and WT cells
11 colonizing organs of the GI tract.

12 Table S7. List of genes differentially expressed between *efgI*⁻ *efhI*⁻ double null mutant
13 and WT cells colonizing organs of the GI tract.

14 Table S8. List of genes differentially expressed between *efgI*⁻ *cphI*⁻ double null mutant
15 and WT cells colonizing organs of the GI tract.

16 Table S9. List of genes differentially expressed in all *efgI*⁻ strains tested relative to WT
17 cells colonizing organs of the GI tract.

18 Figure S1. Colonization levels of strains that were co-inoculated into BALB/c mice.

19 For the experiments shown in Fig. 7, colonization levels of each individual strain were
20 calculated and graphed. Brackets at top indicate the two strains that were co-inoculated
21 into the same mouse. Each symbol represents CFU/gm in fecal pellets from an individual
22 mouse; bars are the geometric means. Days of sample collection (post-inoculation) are
23 indicated.

Table S1. *C. albicans* strains used in this study.

Strain	Genotype	Reference or Source
CAI-4	SC5314 Δ <i>ura3::imm434</i> / Δ <i>ura3::imm434</i>	(3)
CKY101	CAI-4 (pDB152)	(1)
HLC67	CAI-4 <i>efg1::hisG/efg1::hisG</i>	(5)
Can 36	CAI-4 <i>efg1::hisG/efg1::hisG cph1::hisG/cph1::hisG</i>	(5)
CKY136	CAI-4 <i>efg1::hisG/efg1::hisG</i> (pDB152)	(4)
CKY138	Can 36 (pDBI52)	(4)
H1.22-1	CAI-4 <i>efg1::hisG/efg1::hisG efh1::hisG/efh1::hisG</i>	(2)
JPY109	H1.22-1 (pRC3915)	This study
JPY 105	CAI-4 <i>ade2::pISAT</i>	(6)
JPY 106	HLC67 <i>ade2::pISAT</i>	This study
JPY 110	HLC67 <i>rps1::ACT1pr-SOD5</i>	This study

References

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Table S2. Primers used in this study.

Cloning primers		
<i>SOD5</i>	SOD5F1 cloning	5'-CCCAAGCTTGGGATCATGAAGTATTTGTCCAT-3'
<i>SOD5</i>	SOD5R1 cloning	5'-CTAAGCTAGAGCCTCTGGATTCATTTACT-3'
RT-PCR primers		
<i>ACT1</i>	ABAF3	5'-TATGAAAGTTAAGATTATTGCTCCACCAGAAA-3'
<i>ACT1</i>	ABAR3	5'-GGAAAGTAGACAATGAAGCCAAGATAGAAC-3'
<i>CIP1</i>	CIP1F	5'-AAGTTGATGAATATGCTCCAGGGTTTTTAG-3'
<i>CIP1</i>	CIP1R	5'-TCTGGTAATTCTCTTGGATTAGGATTAGTAGCA-3'
<i>CTN1</i>	CTN1F	5'-GTTTCTGCTAATGGGTTTGGTATTGGTTATA-3'
<i>CTN1</i>	CTN1R	5'-GTGTTTTGGTCTAGCTTGTTCTCTCTG-3'
<i>HYR1</i>	HYR1F1	5'-GTTGCTAATCCAGTTACTACTTCCACAGA-3'
<i>HYR1</i>	HYR1R1	5'-GGTTTAGGTTTTCCATCAAAGCCAGTCATA-3'
<i>ICL1</i>	ICL1F	5'-AGCATTGGCTGTTGATGACTTCTCTA-3'
<i>ICL1</i>	ICL1R	5'-GGTAACACTGACCATCTTC-3'
<i>INO1</i>	INO1F	5'-GTTGGGTGGTCACAACAAAATAAGTAT-3'
<i>INO1</i>	INO1R	5'-TTCAGTAGCCACCACCAAGTCAATA-3'

<i>PHO89</i>	PHO89F	5'-TGTGTTACGCTGCCGGTGCTTTAGTTG-3'
<i>PHO89</i>	PHO89R	5'-CATTCTCCAGTTGAGGGATTCCATTCTCT-3'
<i>RBT5</i>	RBT5F	5'-AATCTTTGGCCACTTCCATTTGTTTCATCAT-3'
<i>RBT5</i>	RBT5R	5'-AGCGGCAGTAGATTCGGCAGTG-3'
<i>RIM101</i>	RIM101F1	5'-AGCAATACCACGACCATCACGGATACTACTCA-3'
<i>RIM101</i>	RIM101R1	5'-TGCTTGGCCTCTTTTTGTTGTTGTTTCATCA-3'
<i>SOD5</i>	SOD5F1	5'-GAGGGACACGGCAATGCTAACACAACACTAT-3'
<i>SOD5</i>	SOD5R1	5'-ACCTGCTGCCAAGAGACCATTACTACTG-3'
<i>WH11</i>	WH11F	5'-CTCAAAAATCCACTCCAGAACAAT-3'
<i>WH11</i>	WH11R	5'-TGGAGTCAAAAATAGCATCA-3'
<i>WOR1</i>	WOR1F1	5'-AACAACGGTAGCAATGCCCCCACTG-3'
<i>WOR1</i>	WOR1R1	5'-ATTGCCATTACCACCACTAACACTTCCACTG-3'

