

**Table S1. Strains used in this study**

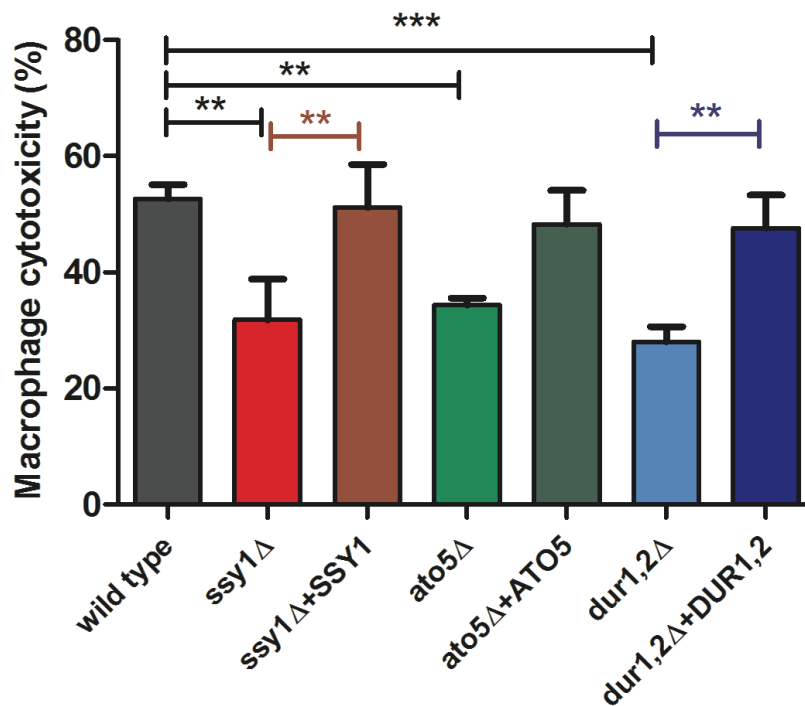
Strain	Name	Genotype	Reference
SC5314		Wild type	(1)
<i>ahr1Δ</i>	SVC22	<i>ahr1Δ::FRT/ahr1Δ::FRT</i>	this study
<i>ahr1Δ</i>	SVC23	<i>ahr1Δ::FRT/ahr1Δ::FRT</i>	This study
<i>ahr1Δ+AHR1</i>	SVC27	<i>ahr1Δ::FRT/ahr1Δ::FRT RPS10/rps10::AHR1</i>	This study
<i>ahr1Δ stp2Δ</i>	SVC25	<i>ahr1Δ::FRT/ahr1Δ::FRT/stp2Δ::FRT/stp2Δ::FRT/ stp2Δ::FRT</i>	this study
<i>ahr1Δ stp2Δ</i>	SVC26	<i>ahr1Δ::FRT/ahr1Δ::FRT/stp2Δ::FRT/stp2Δ::FRT/ stp2Δ::FRT</i>	This study
<i>stp2Δ</i>	SVC17	<i>stp2Δ::FRT/stp2Δ::FRT/ stp2Δ::FRT</i>	(2)
<i>stp2Δ+STP2</i>	SVC21	<i>stp2Δ::FRT/stp2Δ::FRT/ stp2Δ::FRT RPS10/rps10::STP2</i>	(2)
<i>ssy1Δ</i>	CaPM0 7	<i>ssy1Δ::FRT/ssy1Δ::FRT</i>	(3)
<i>ssy1Δ+SSY1</i>	CaPM2 5	<i>ssy1Δ::FRT/ssy1Δ::FRT RPS10/rps10::Clp10-SSY1- SAT1</i>	(3)
<i>dur1,2Δ</i>	KWN6	<i>dur1,2Δ::FRT/dur1,2Δ ::FRT</i>	(4)
A-72		Prototroph (parent of KWN6)	(4)
<i>ach1Δ</i>	ACC16	<i>ach1Δ::hisG/ach1Δ::hisG ura3/ura3 RPS10/rps10::Clp10-URA3/RPS10</i>	(5)
<i>ach1Δ+ACH1</i>	ACC17	<i>ach1Δ::hisG/ach1Δ::hisG ura3/ura3 RPS10/rps10::ACH1-Clp10-URA-ACH1/RPS10</i>	(5)
<i>ato5Δ</i>	HDC27	<i>ato5Δ::FRT/ ato5Δ::FRT</i>	(6)
<i>ato5Δ+ATO5</i>	HDC30	<i>ato5Δ::FRT/ ato5Δ::FRT RPS10/rps10::ATO5</i>	(6)

**References**

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3. **Miramon P, Lorenz MC.** 2016. The SPS amino acid sensor mediates nutrient acquisition and immune evasion in *Candida albicans*. *Cell Microbiol* **18**:1611-1624.
4. **Ghosh S, Navarathna DH, Roberts DD, Cooper JT, Atkin AL, Petro TM, Nickerson KW.** 2009. Arginine-induced germ tube formation in *Candida albicans* is

- essential for escape from murine macrophage line RAW 264.7. *Infect Immun* **77**:1596-1605.
5. **Carman AJ, Vylkova S, Lorenz MC.** 2008. Role of acetyl coenzyme A synthesis and breakdown in alternative carbon source utilization in *Candida albicans*. *Eukaryot Cell* **7**:1733-1741.
  6. **Danhof HA, Lorenz MC.** 2015. The *Candida albicans* ATO Gene Family Promotes Neutralization of the Macrophage Phagolysosome. *Infect Immun* **83**:4416-4426.

Vylkova and Lorenz, Supplementary Figure 1



**Fig S1. Alkalinization of the phagosome by *C. albicans* is required for macrophage killing.** *C. albicans* SC5314, *ssy1* $\Delta$ , *dur1,2* $\Delta$ , *ato5* $\Delta$  mutants and their complemented strains were co-cultured with J774A.1 macrophages for 5 hours. Macrophage cytotoxicity was assessed as described in Materials and Methods. Results are reported as mean values  $\pm$  SD from triplicate experiments. \*\*,  $P < 0.001$ .