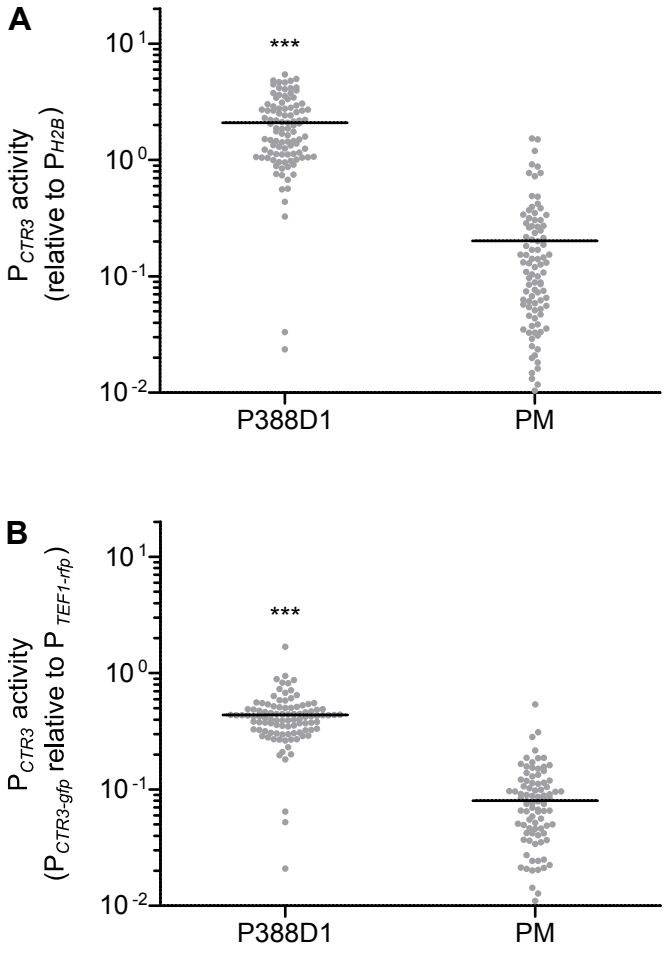
Supplementary figure 8



S8 Fig. Validation of *CTR3* promoter activity normalization by housekeeping *H2B* and *TEF1* promoter activities in yeasts within macrophage cells. *CTR3* promoter activity in P388D1 or peritoneal macrophages following normalization to *H2B* **(A)** or *TEF1* **(B)** promoter activity in separate or the same yeast cells, respectively. Cell line (P388D1) and primary (peritoneal macrophages (PM)) macrophages were infected with *H. capsulatum* yeast (MOI 1:2) and the *CTR3* promoter activity of intracellular yeasts measured by fluorescence of the P_{CTR3}-*gfp* reporter fusion. **(A)** Intracellular yeast GFP fluorescence produced by the P_{CTR3}-*gfp* reporter fusion was normalized to the GFP fluorescence of a population of P_{H2B}-*gfp* reporter fusion yeasts from parallel infections. **(B)** GFP fluorescence produced by the P_{CTR3}-*gfp* reporter fusion was normalized to the RFP fluorescence produced by the P_{TEF1}-*rfp* reporter fusion within the same yeast cell. Data points represent the *CTR3* promoter activity of individual yeasts (n > 100 for each sample) measured by microscopy of intracellular yeasts recovered after lysis of macrophages. Horizontal bars indicate the population mean. Asterisks (*** $P < 0.001$) indicate significant differences in the *CTR3* promoter activity between yeasts recovered from P388D1 cells and from peritoneal macrophages as determined by two-tailed Student's *t*-test.