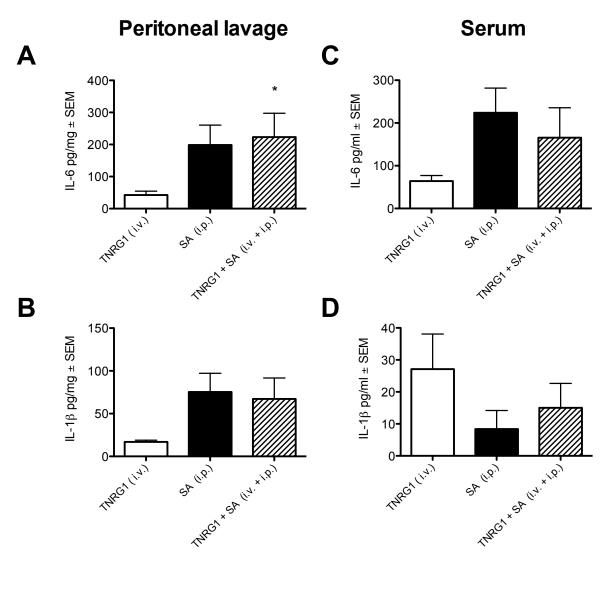


Supplemental Figure 1. Polymicrobial infections with *C. albicans* and *S. aureus* must both originate from the peritoneal cavity to promote mortality and increased dissemination

Mice (n=5 mice/group) were injected i.p. with 0.2 mL of 4 x 10^8 CFU/mL *S. aureus* alone (8 x 10^7 CFU), i.v. with 0.2 mL of 5 x 10^6 CFU/mL *C. albicans* strain TNRG1 alone (1 x 10^6 CFU), or both, resulting in a co-infection originating via different routes of inoculation. At 24 h p.i., *C. albicans* (open circles) and *S. aureus* (closed circles) CFUs were quantified in **(A)** peritoneal lavage fluid, **(B)** spleen, and **(C)** brain homogenates. Results are expressed as the median CFU. Data shown are cumulative of two repeat experiments. Data were analyzed using the Mann-Whitney U test; * p < 0.05 for TNRG1 vs. TNRG1 + SA, ° p < 0.05 for SA vs. TNRG1 + SA.



Supplemental Figure 2. Local and systemic pro-inflammatory cytokines from intraperitoneal/intravenous polymicrobial infection

Mice (n=5 mice/group) were inoculated as described in Supplemental Figure 1. At 24 h p.i., mice were sacrificed and IL-6 and IL-1β were analyzed in the (A-B) peritoneal lavage and (C-D) serum. Cytokine concentrations were analyzed in mice infected with *C. albicans* TNRG1 strain alone i.v. (white bar), *S. aureus* alone i.p. (black bar), and both pathogens combined i.p./i.v. (striped bar). Dashed line represents cytokine levels in naïve mice. Results are expressed as the mean cytokine level ± SEM. Data shown are cumulative of two repeat experiments. Data were analyzed using the unpaired Student's t test; * p< 0.05 for IL-6 CA vs. CA/SA.