

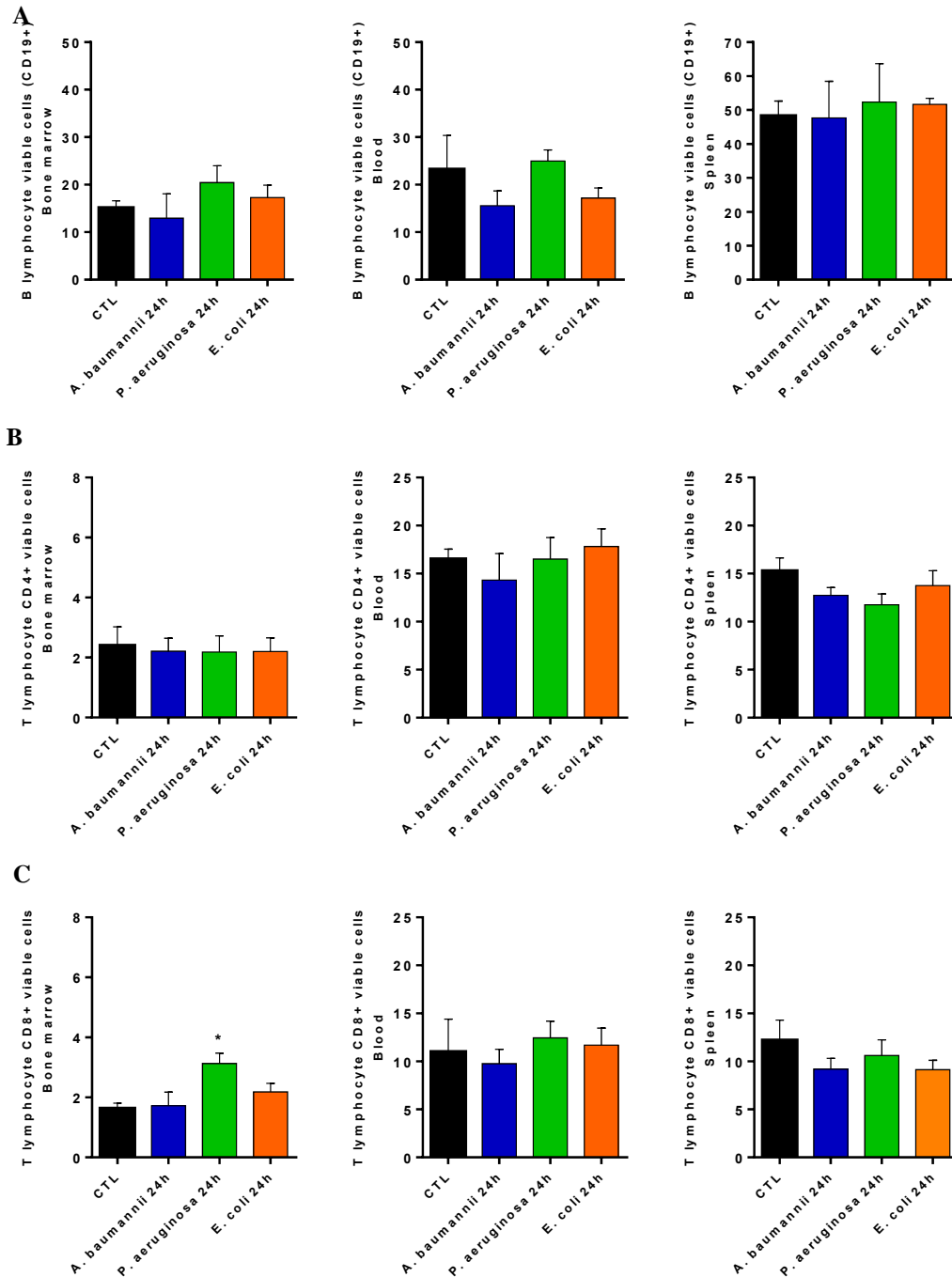
## Supplementary Materials

**Table S1.** Populations of myeloid origin cells, monocytes and neutrophils in the spleen of mice infected with MLD100 of *A. baumannii* ATCC17978, *P. aeruginosa* PAO1 or *E. coli* ATCC25922 strains after 24 h.

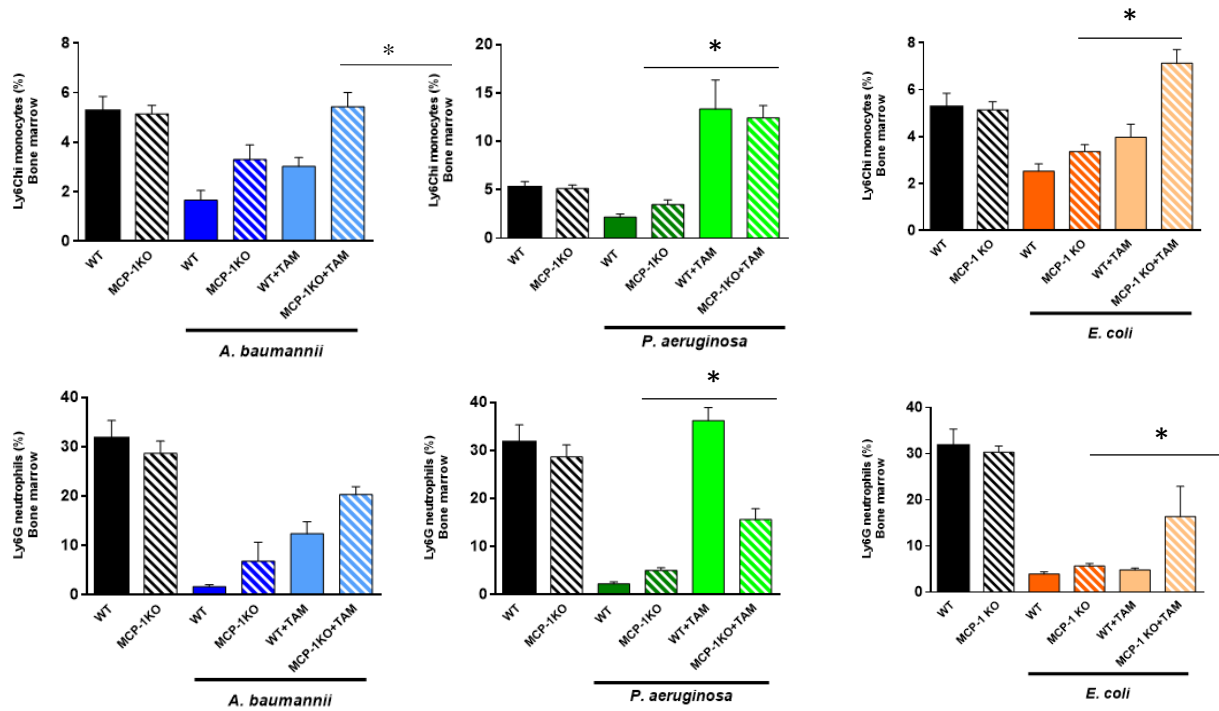
	<b>C11b+ myeloid cells (%)</b>	<b>Ly6Chi monocytes (%)</b>	<b>Ly6G+ neutrophils (%)</b>
Control	4.55 ± 0.60	0.39 ± 0.08	0.65 ± 0.16
<i>A. baumannii</i> ATCC 17978	2.71 ± 0.32*	0.07 ± 0.01*	0.40 ± 0.09
<i>P. aeruginosa</i> PAO1	2.66 ± 1.05	0.07 ± 0.02*	0.36 ± 0.17
<i>E. coli</i> ATCC 25922	2.71 ± 0.20*	0.18 ± 0.02*	0.74 ± 0.11

Data are representative of six mice per group, and expressed as mean ± SEM.

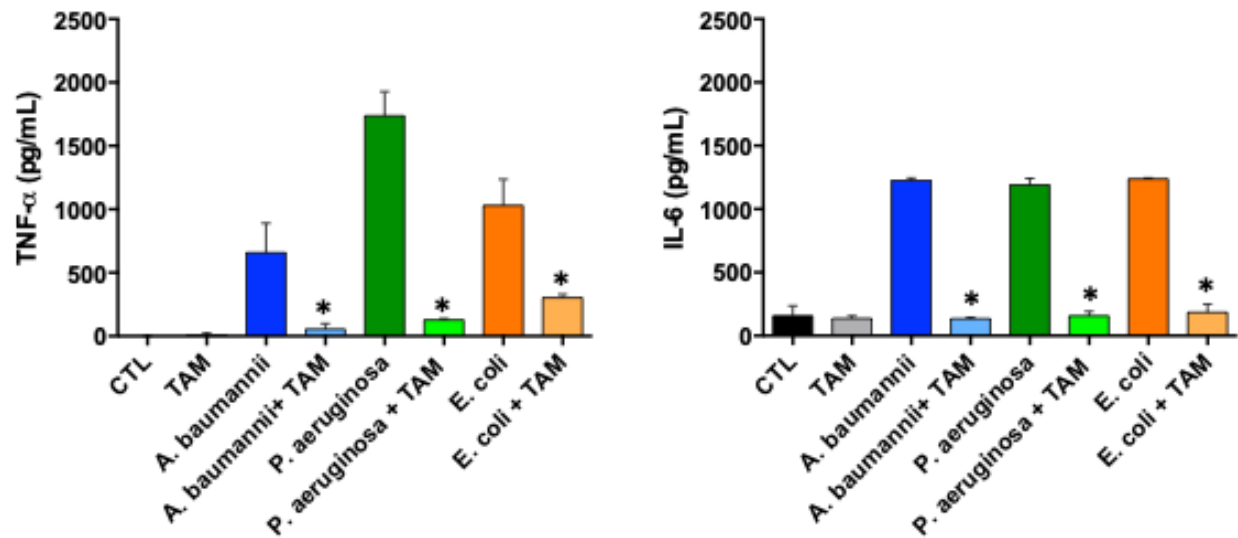
\* $P < 0.05$ : infected mice vs. control.



**Figure S1. Populations of B lymphocytes and T lymphocytes CD4+ and CD8+ in bone marrow, blood and spleen during bacterial infection.** (A) B lymphocytes, (B) T lymphocytes CD4+ and (C) T lymphocytes CD8+ were identified as CD19+, CD4+ and CD8+ by flow cytometry, respectively, in bone marrow, blood and spleen of mice infected with MLD100 of *A. baumannii* ATCC17978, *P. aeruginosa* PAO1 or *E. coli* ATCC25922 strains for 24h. Data are representative of six mice per group, and expressed as mean  $\pm$  SEM. \* $P$ <0.05: infected vs. CTL. CTL: non-infected mice.



**Figure S2. Role of MCP-1 in the bone marrow immune cells migration to blood during bacterial infection.** Inflammatory monocytes and neutrophils were identified as CD11b+Ly6Chi and CD11b+Ly6G+ by flow cytometry, respectively, in bone marrow of WT and MCP-1 KO mice infected with MLD100 of *A. baumannii* ATCC17978, *P. aeruginosa* PAO1 or *E. coli* ATCC25922 strains for 24 h. Data are representative of six mice per group, and expressed as mean  $\pm$  SEM. \* $P < 0.05$ : MCP-1 KO+TAM vs. MCP-1 KO. WT: wild-type, MCP-1 KO: mice lacking MCP-1. CTL: non-infected mice.



**Figure S3. Tamoxifen effect on cytokines release after bacterial infection.** Mice received tamoxifen (80 mg/kg/d, for 3 days) and infected with minimal lethal dose 100 of *A. baumannii* ATCC17978, *P. aeruginosa* PAO1 or *E. coli* ATCC25922 strains. Twenty-four hours post-infection, (A) TNF- $\alpha$ , and (B) IL-6 were determined by ELISA in blood of mice. Data are representative of 3 mice per group and are expressed as mean  $\pm$  SEM. \* $P < 0.05$ : infected mice vs. infected and treated mice with tamoxifen. CTL: non-infected mice, TAM: tamoxifen.