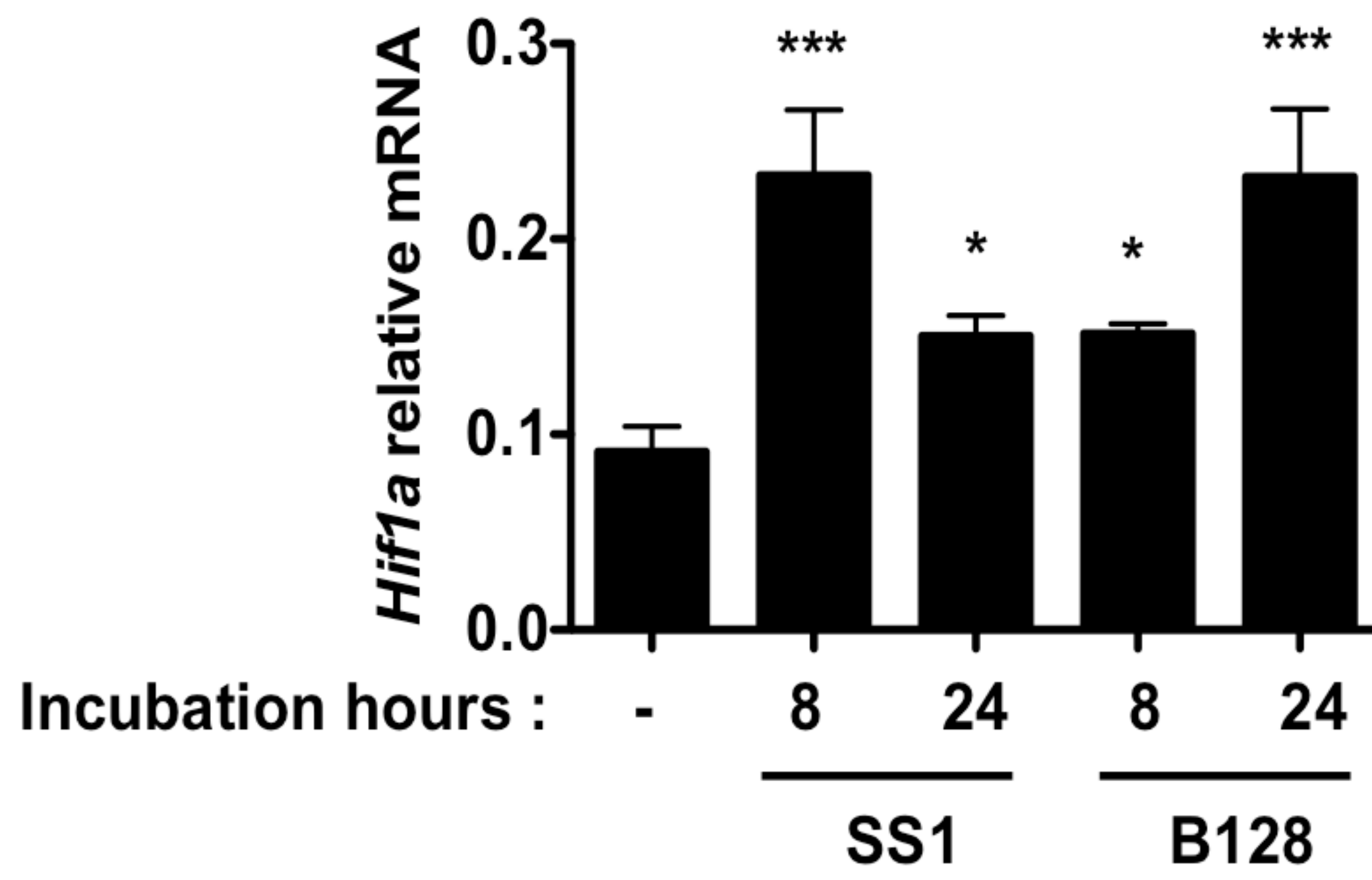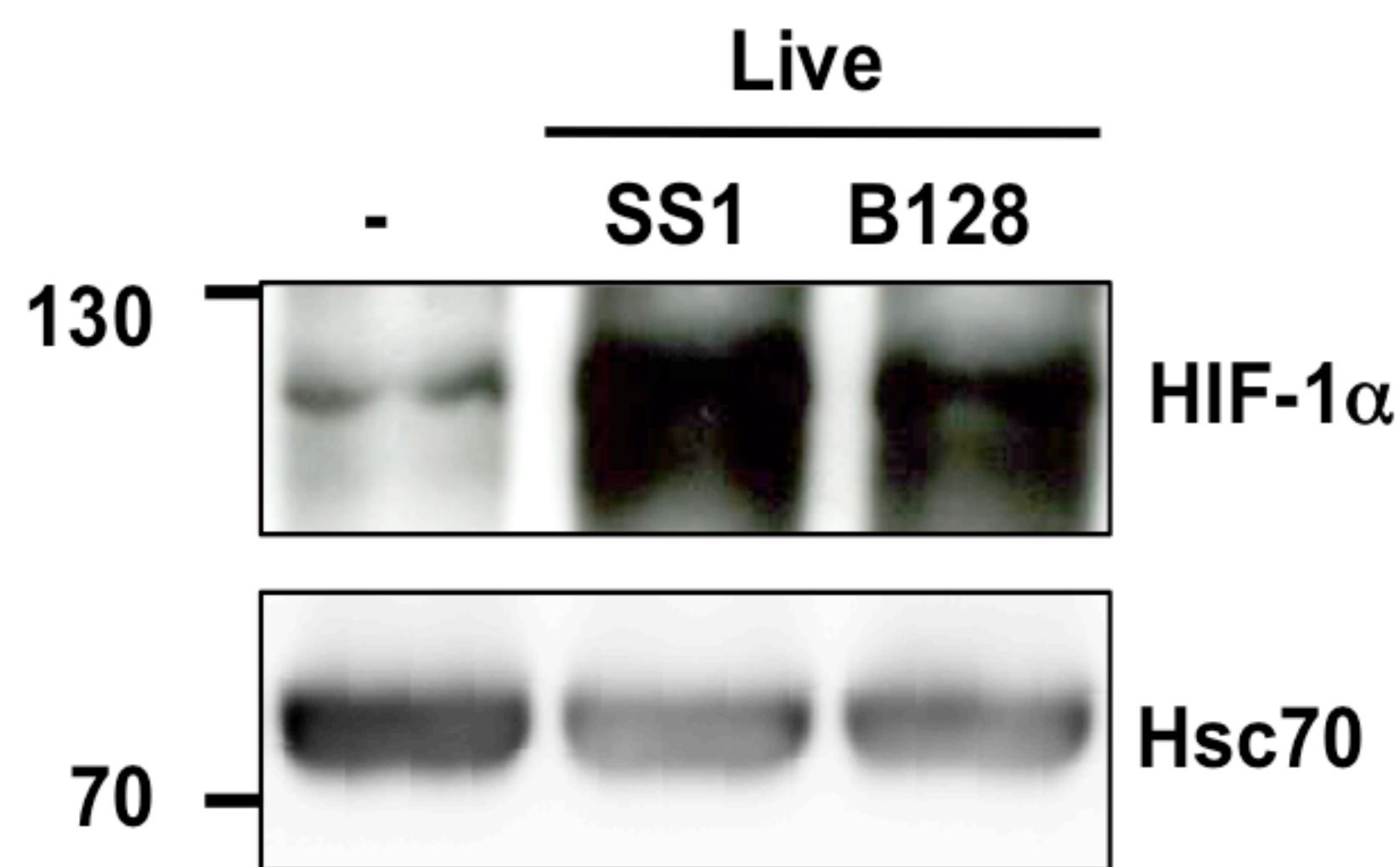**A**

B

Figure S1 : B128 and SS1 *H. pylori* strains stabilize HIF-1α
(A) Quantitative RT-PCR for *Hif1a* in WT BMDMs incubated with SS1 or B128 (MOI=100) for 8h or 24h. n = 3 per group. **(B)** western-blot for HIF-1α in WT BMDMs incubated with SS1 or B128 (MOI=100) for 24h. One representative experiment of three independent experiments.
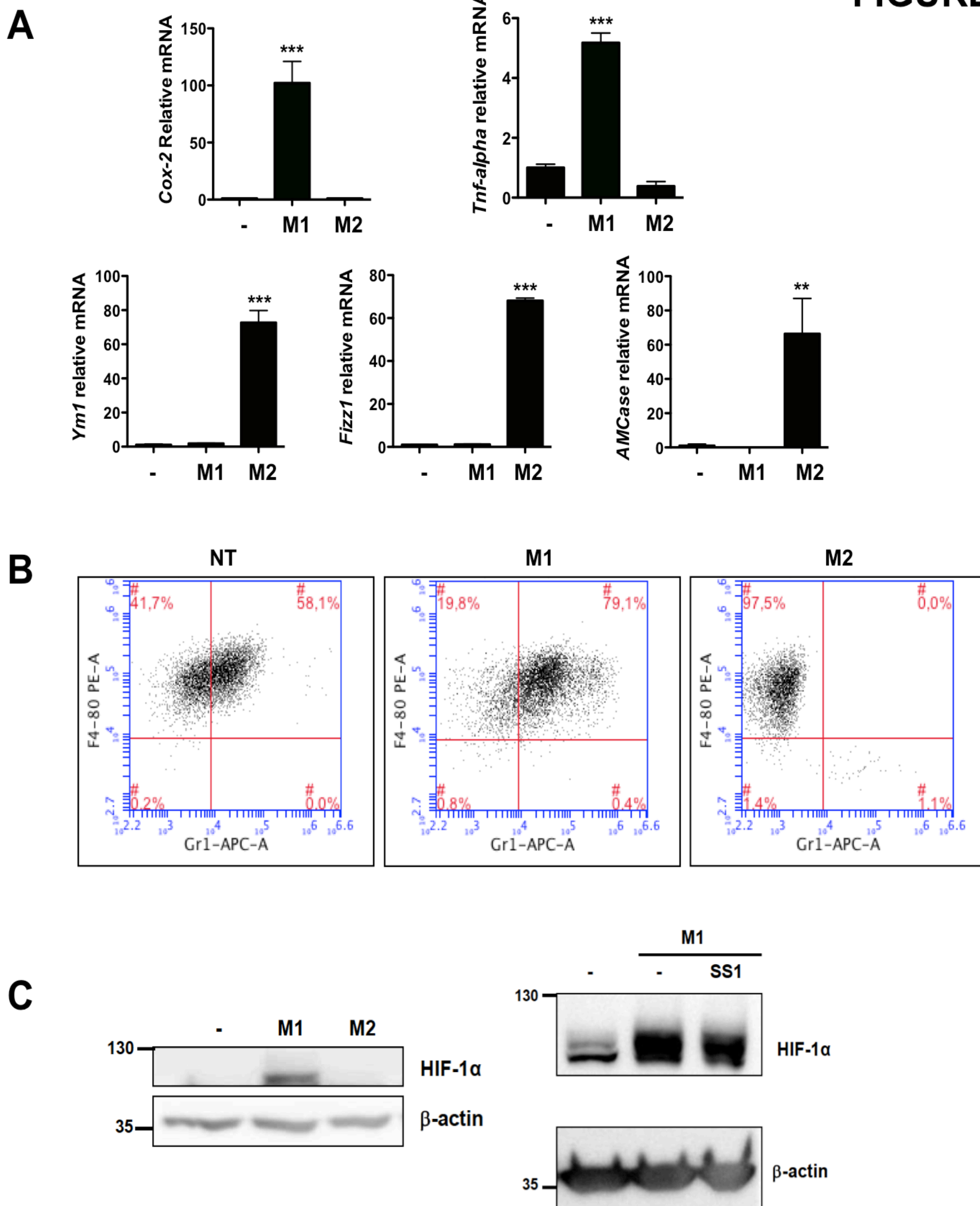
FIGURE S2

Figure S2 : Characterization of the M1 and M2 populations
(A) Quantitative RT-PCR for polarization markers in WT BMDMs treated or not (-) for 48 h with either 50 ng/ml IFN-γ (M1) or 10 ng/ml IL-4 (M2). n = 3 animals per group. **(B)** BMDMs were treated or not (NT) for 48 h with either 50 ng/ml IFN-γ (M1) or 10 ng/ml IL-4 (M2). Polarized BMDM were analyzed by flow cytometry after cell dissociation and immunolabelling allowing analyses of the different subsets of macrophages: F4/80 PE^{high}; Gr1^{high} (M1), and F4/80 PE^{high}; Gr1^{low} (M2). **(C)** Western-blot for HIF-1 in **(A)** WT BMDMs treated, or not (-) for 48 h with either 50 ng/ml IFN-γ (M1) or 10 ng/ml IL-4 (M2) **(B)** WT BMDMs pre-treated for 48 h with 50 ng/ml IFN-γ and incubated with 5 μg /ml of SS1 bacterial extracts for 24 hours.
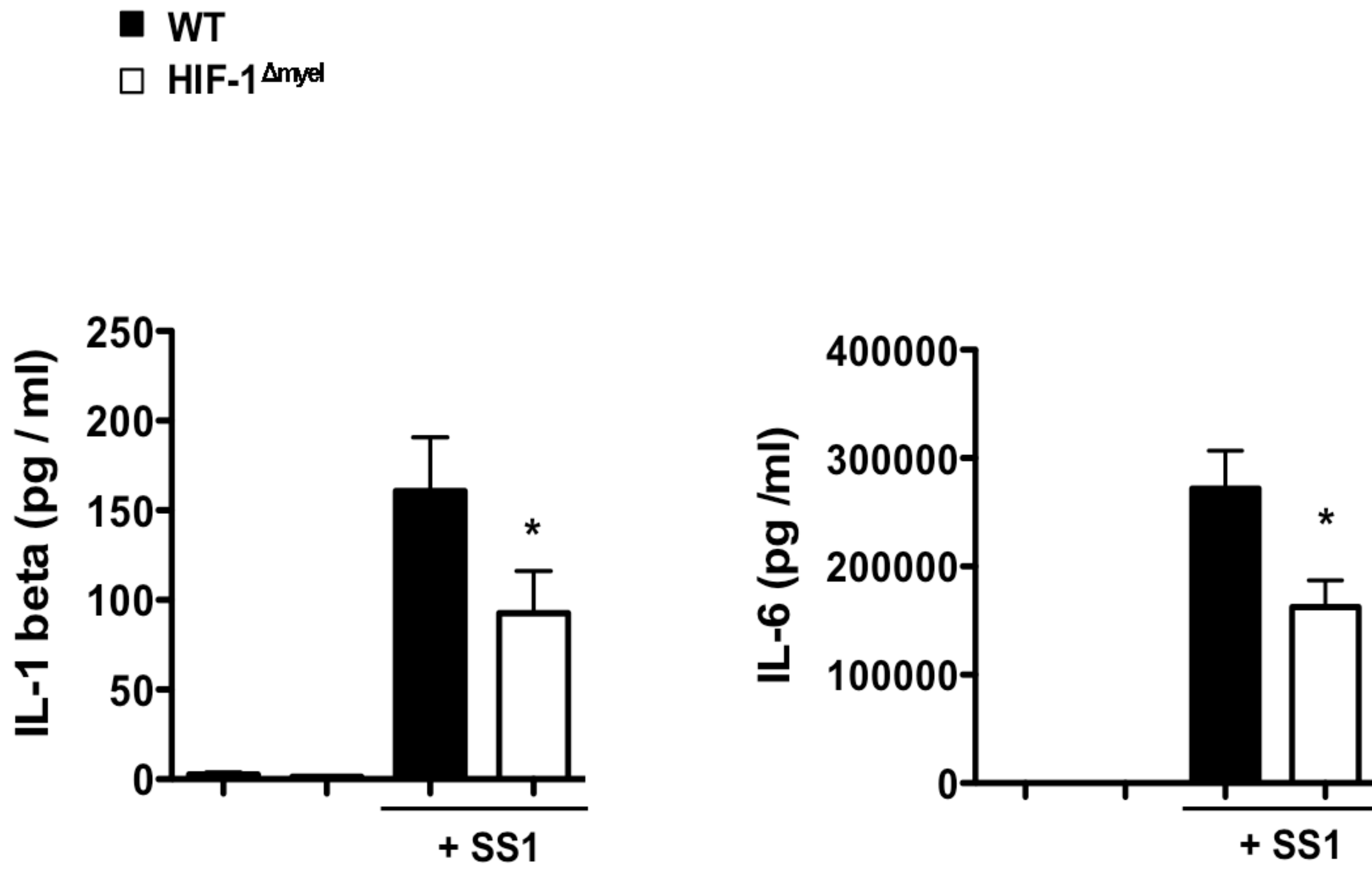
Figure S3 : HIF-1 contributes to macrophage production inflammatory cytokines
IL-1 beta and IL-6 levels were measured by the Proinflammatory Panel1 V-PLEX kit (Meso Scale Discovery) in (pre-treated for 48 h with 50 ng/ml IFN-γ) WT and HIF-1$^{\Delta myel}$ BMDMs stimulated with 5 μg /ml of SS1 bacterial extracts for 24 hours. n = 3 animals per group.

A

Neutrophils +
SS1 (MOI=2)

Lysis of
neutrophils

Serial dilution
plated on agar
plates

Colonies
counting
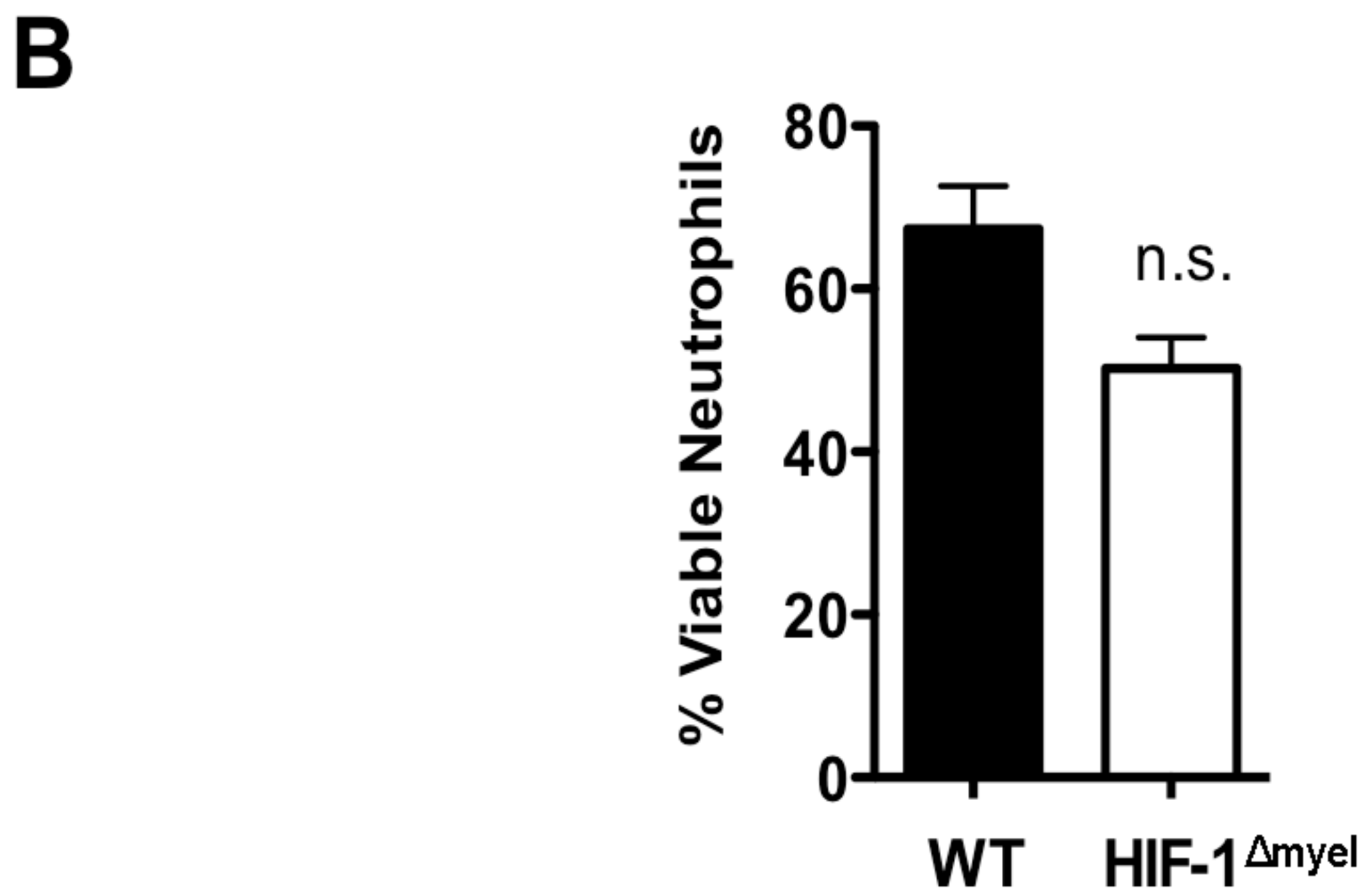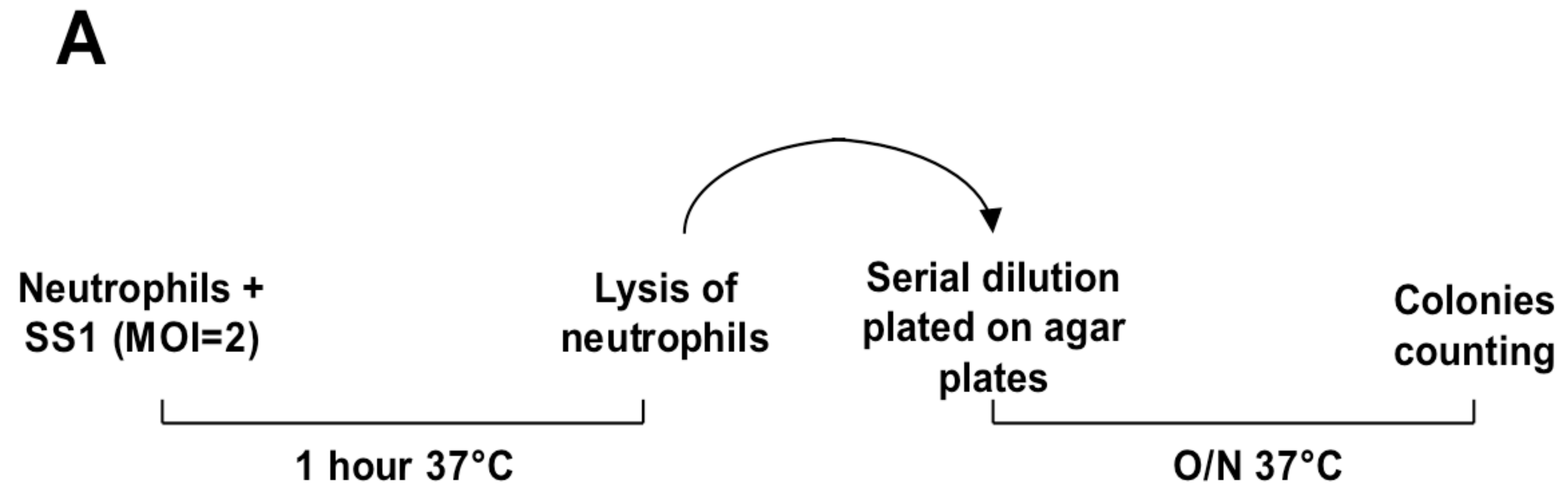
1 hour 37°C

O/N 37°C

B

Figure S4 : Neutrophil killing assay.
(A) Scheme of the intracellular killing assay used in Figure 4. **(B)** Viability of WT and HIF-1null neutrophils assessed by a nuclear propidium iodide staining. Fixed cells were imaged using a Leica TCS SPE confocal microscope equipped with a HC PLAN APO 63X/ 1.40-0.60 NA oil immersion objective to assess the percentage of cells exhibiting positive nuclear propidium iodide staining. N=3 animals per group. n.s. = not significant.