scientific reports

Check for updates

OPEN

Author Correction: Gasdermin D restricts *Burkholderia cenocepacia* infection in vitro and in vivo

Published online: 08 June 2021

Shady Estfanous, Kathrin Krause, Midhun N. K. Anne, Mostafa Eltobgy, Kyle Caution, Arwa Abu Khweek, Kaitlin Hamilton, Asmaa Badr, Kylene Daily, Cierra Carafice, Daniel Baetzhold, Xiaoli Zhang, Tianliang Li, Haitao Wen, Mikhail A. Gavrilin, Hesham Haffez, Sameh Soror & Amal O. Amer

Correction to: *Scientific Reports* https://doi.org/10.1038/s41598-020-79201-5, published online 13 January 2021

The original version of this Article contained an error in Figure 6B where were the y-axis numbering "0, 10, 20, 30" was incorrectly given as "0, 1, 2, 3".

The original Figure 6 and accompanying legend appear below.

The original Article has been corrected.

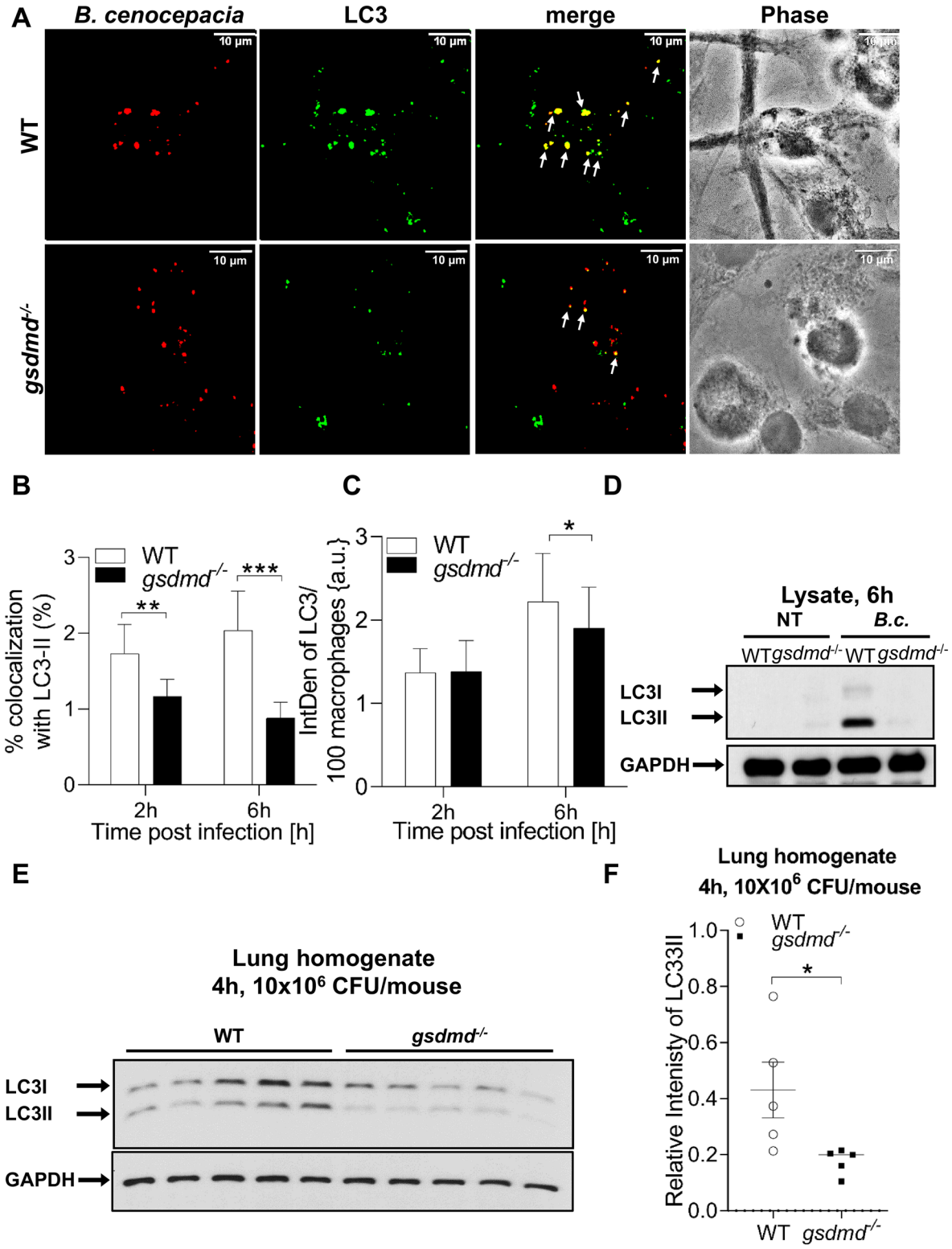

Figure 6. Gsdmd$^{-/-}$ mice and their macrophages exhibit less autophagosme formation during *B. cenocepacia* infection. **(A)** Confocal images of LC3 (green) immunofluorescence assay of *B. cenocepacia* (*B.c.*) (red) (MOI10) infected WT and *gsdmd*$^{-/-}$ macrophages at 6 h post-infection. White arrows points to *B. cenocepacia*- LC3 co-localization. Scale bar: 10 µM. **(B)** Quantification of *B. cenocepacia* co-localized with LC3 in *B. cenocepacia* infected WT *and gsdmd*$^{-/-}$ macrophages treated as in (**A**). Data represent mean ± SEM (n = 5). Statistical analysis was performed using two-way ANOVA. **(C)** Quantification of total LC3 puncta in *B. cenocepacia* infected WT *and gsdmd*$^{-/-}$ macrophages treated as in (**A**) using ImageJ Software. Values are mean percentage ± SEM calculated by scoring 96 randomly chosen fields of view from 6 independent experiments. Statistical analysis was performed using paired two tailed Student's t-test. **(D)** Immunoblot analysis of LC3 in whole cell lysate separated of WT and *gsdmd*$^{-/-}$ macrophages treated as in (**A**). **(E)** Immunoblot analysis of LC3 in lung homogenate separated of WT and *gsdmd*$^{-/-}$ mice after being infected intratracheally for 4 h by *B. cenocepacia* (10×10^6 CFU/mouse) (n = 5). **(F)** Densitometry analysis of immunoblots represented in (**E**). Data represent mean ± SEM (n = 5). Statistical analysis was performed using unpaired two-tailed student's t-test *p ≤ 0.05, **p ≤ 0.01, ***p ≤ 0.001.

Open Access This article is licensed under a Creative Commons Attribution 4.0 International License, which permits use, sharing, adaptation, distribution and reproduction in any medium or format, as long as you give appropriate credit to the original author(s) and the source, provide a link to the Creative Commons licence, and indicate if changes were made. The images or other third party material in this article are included in the article's Creative Commons licence, unless indicated otherwise in a credit line to the material. If material is not included in the article's Creative Commons licence and your intended use is not permitted by statutory regulation or exceeds the permitted use, you will need to obtain permission directly from the copyright holder. To view a copy of this licence, visit http://creativecommons.org/licenses/by/4.0/.

© The Author(s) 2021