

CORRECTION

# Correction: *Bacillus anthracis* Spore Surface Protein BclA Mediates Complement Factor H Binding to Spores and Promotes Spore Persistence

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In [Fig 3](#), the panel A graph was duplicated in panel C. Additionally, in [Fig 5](#), panel A, the X axis was incorrectly labeled as “2wk” instead of “4wk”. Please see the corrected figures here.

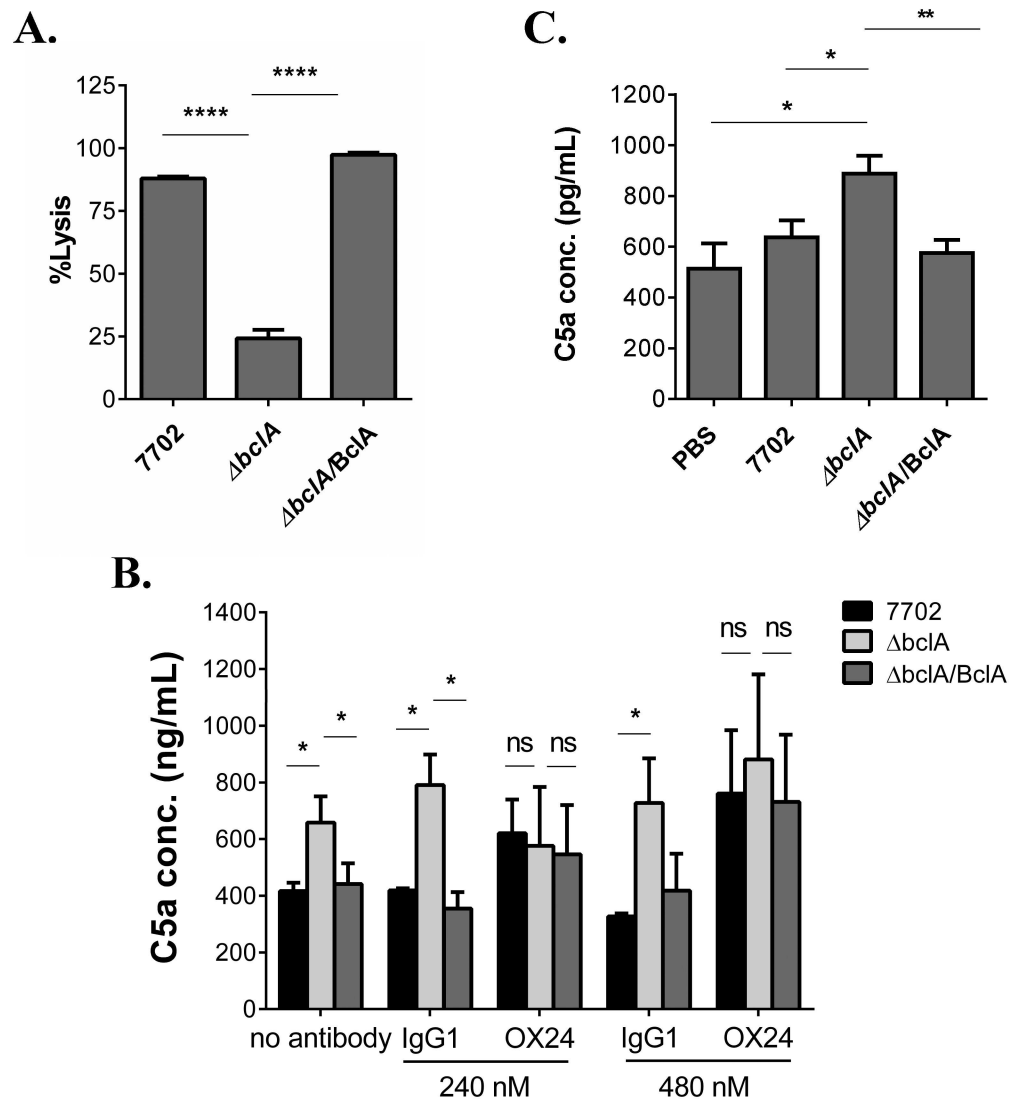


## OPEN ACCESS

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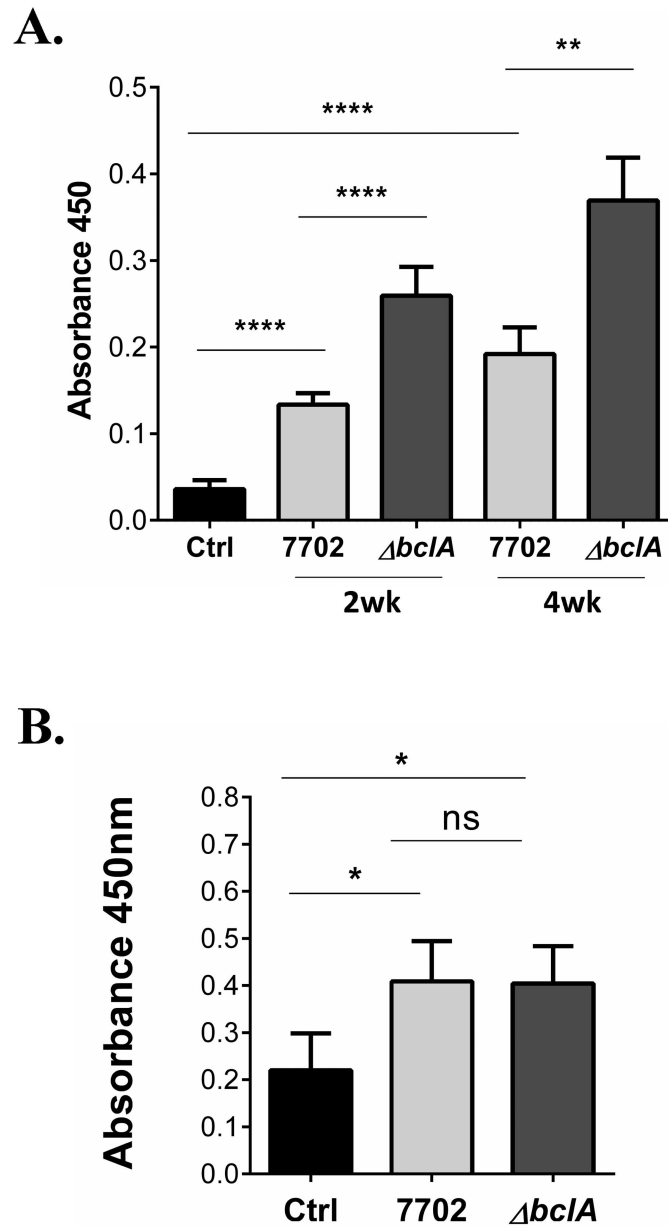
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**Fig 3. BclA-mediated CFH recruitment inhibited downstream complement activation in vitro and in vivo.** (A) Complement hemolytic assay. Spores were incubated with 20% NHS and centrifuged. The supernatants (1:10 diluted) were used to perform complement hemolytic assays using opsonized sheep erythrocytes (EA-SRBC). Data shown was from at least three independent experiments. (B) Determination of C5a levels in human serum incubated with the different spores. GVB0 buffer containing 20% NHS was pre-treated with buffer only (no antibody), OX24, or control IgG1, followed by incubation with 7702,  $\Delta bclA$  or  $\Delta bclA/BclA$  spores. C5a levels in the supernatants were measured using the Human Complement Component C5a DuoSet. Data shown was combined from two independent experiments, each with duplicate wells. (C) Determination of C5a levels in mouse BAL fluid. C57BL/6 were i.n. inoculated with 7702 (n = 8),  $\Delta bclA$  (n = 8),  $\Delta bclA/BclA$  (n = 8) spores or PBS (n = 6). BAL fluids were collected 6 hours later and C5a level in the supernatant determined using the Mouse Complement Component C5a DuoSet. Data shown were combined from two independent experiments, each with duplicate wells. \*, p < 0.05; \*\*, p < 0.01. \*\*\*\*, p < 0.0001, t test.

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**Fig 5. BclA inhibited antibody responses against spores.** (A) C57BL/6 mice were i.n. inoculated with  $\sim 1 \times 10^8$  spores of 7702,  $\Delta bclA$  or vehicle control once and blood collected at 2 weeks post inoculation (2wk), or inoculated again with the same spores and dose at 2 weeks and blood collected at 4 weeks after the initial inoculation (4wk). Anti-spore antibodies in the serum were detected using ELISA. Data shown were combined from at least three independent experiments. The mouse number for the various groups is as follows: control, n = 8; 2wk experiment, n = 30 and 29 for 7702 and  $\Delta bclA$ , respectively; 4wk experiment, n = 30 and 28 for for 7702 and  $\Delta bclA$ , respectively. (B) C3<sup>-/-</sup> mice were i.n. inoculated with vehicle control, or  $\sim 5 \times 10^5$  spores of 7702 or  $\Delta bclA$  and blood collected at 2 weeks post inoculation. Anti-spore antibodies in the serum were detected using ELISA. Data shown were combined from at least three independent experiments, with n = 10, 24 and 21 for control, 7702 and  $\Delta bclA$ , respectively. \*, p < 0.05; \*\*, p < 0.01; \*\*\*\*, p < 0.0001; t test.

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## Reference

1. Wang Y, Jenkins SA, Gu C, Shree A, Martinez-Moczygemba M, Herold J, et al. (2016) *Bacillus anthracis* Spore Surface Protein BclA Mediates Complement Factor H Binding to Spores and Promotes Spore Persistence. PLoS Pathog 12(6): e1005678. doi: [10.1371/journal.ppat.1005678](https://doi.org/10.1371/journal.ppat.1005678) PMID: [27304426](https://pubmed.ncbi.nlm.nih.gov/27304426/)