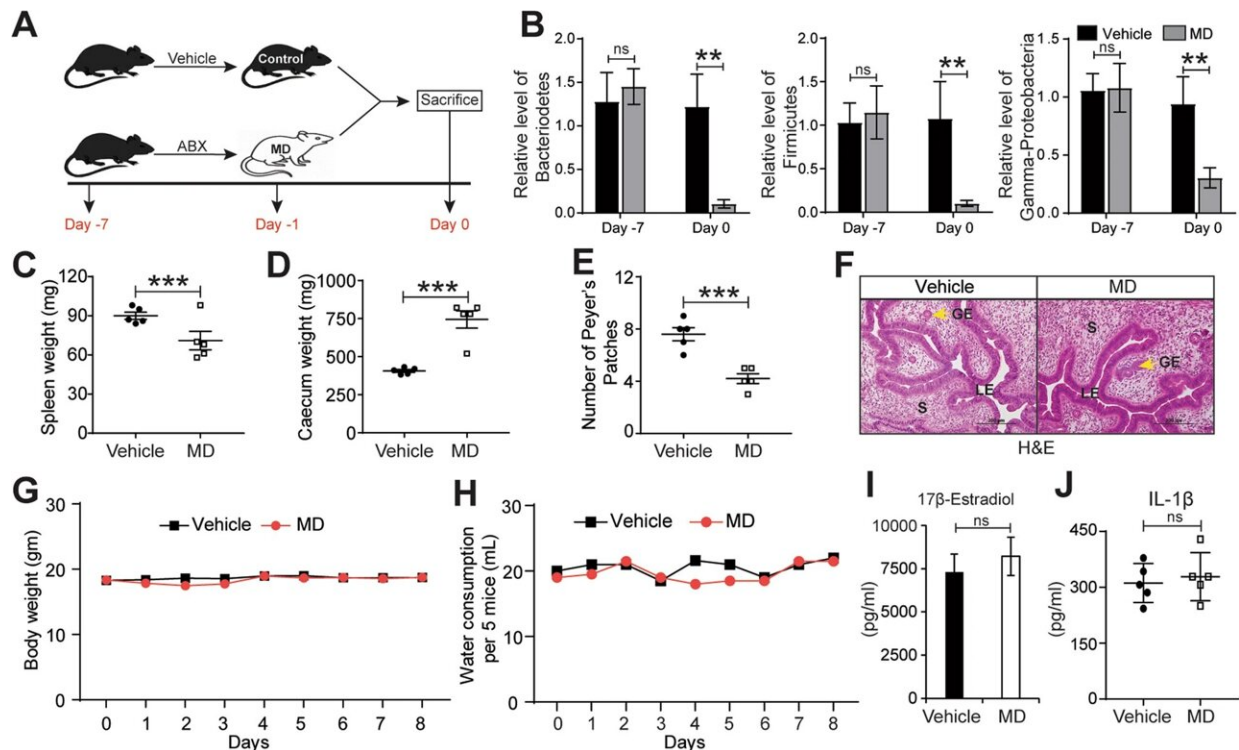


Gut microbiome and its products promote endometriosis in animal model

January 25 2023



Generation of microbiota-depleted mice using antibiotics. **A** Schematic of experimental timeline and procedures. **B** Quantification of relative abundances of Bacteroidetes, Firmicutes, and Gamma-proteobacteria in feces from vehicle and Microbiota-depleted (MD) mice. **C-D** Wet weights of **C** spleen and **D** caecum in indicated treatment groups at a sacrifice. **E** The number of Peyer's patches from indicated treatment groups. **F** Representative images of Hematoxylin and Eosin-stained uterine cross-sections from the indicated treatment groups. LE, Luminal Epithelium; GE, Glandular Epithelium; S, Stroma. Yellow arrows indicate the gland. **G-H** Mouse **G** body weight and **H** water consumption at indicated time points in vehicle and MD mice. **I-J** Relative

level of **I** 17β -Estradiol in serum and **J** IL- 1β in peritoneal fluid of indicated treatment groups. Data are presented as mean \pm SE ($n = 5$ mice per group). ****P**

Citation: Gut microbiome and its products promote endometriosis in animal model (2023, January 25) retrieved 1 May 2024 from <https://medicalxpress.com/news/2023-01-gut-microbiome-products-endometriosis-animal.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.