



Research article

DNA replication and cell enlargement of *Enterococcus faecalis* protoplasts

Satoshi Kami†, Rintaro Tsuchikado†, Hiromi Nishida*

Department of Biotechnology, Toyama Prefectural University, 5180 Kurokawa, Imizu, Toyama 939-0398, Japan.

† These two authors contributed equally.

* Correspondence: Email: hnishida@pu-toyama.ac.jp.

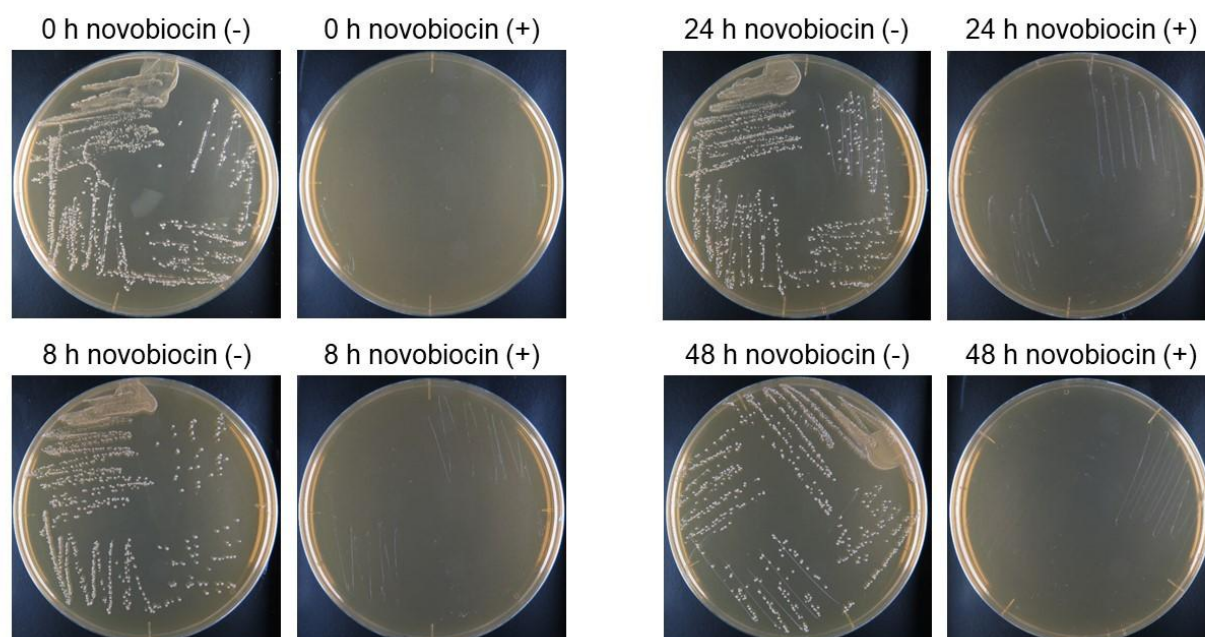


Figure S1. Normally divided cells of *E. faecalis* were incubated in MRS liquid medium containing 50 µg/ml novobiocin. The cells at 0 h, 8 h, 24 h, and 48 h of incubation were inoculated on the agar medium with/without novobiocin.

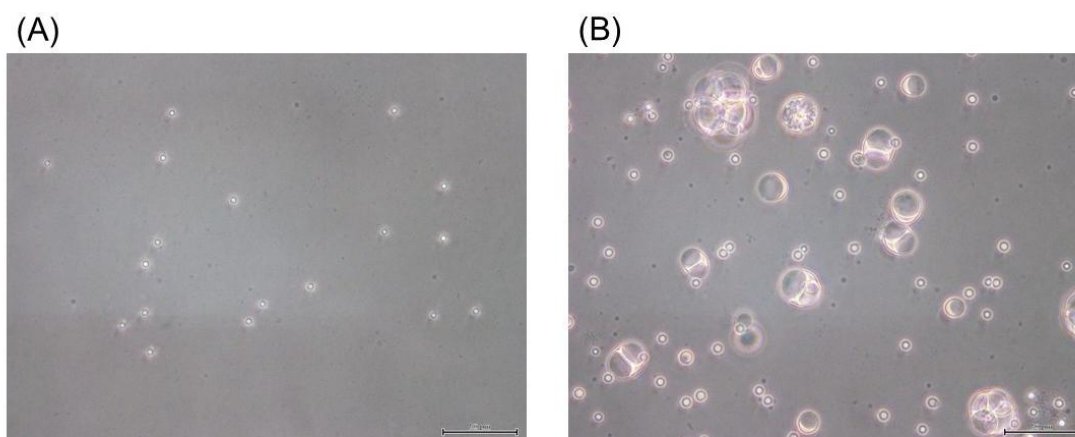


Figure S2. Phase-contrast microscopy images of *E. faecalis* protoplasts. (A) Cells at 144 h of incubation (novobiocin addition at 24 h). (B) Cells at 144 h of incubation (novobiocin addition at 24 h and removal at 48 h). Novobiocin was added to the incubation medium at 24 h at a final concentration of 50 $\mu\text{g/mL}$. Concentration of novobiocin was diluted 50 times (1 $\mu\text{g/mL}$) at 48 h.



AIMS Press

© 2019 the Author(s), licensee AIMS Press. This is an open access article distributed under the terms of the Creative Commons Attribution License (<http://creativecommons.org/licenses/by/4.0>)