## **Supporting Information S1 Table1**

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S1 Table 1. Amounts of acetate, propionate, and butyrate in cecal contents of SPF mice treated with an antibiotic cocktail (Abx: ampicillin, vancomycin, metronidazole, neomycin) in drinking water for 4 weeks.

| SCFA (nmol/mg cecal contents) | Water | Abx  |
|-------------------------------|-------|------|
| Acetate                       | 31.87 | 3.72 |
| Propionate                    | 7.02  | ND   |
| Butyrate                      | 13.45 | ND   |
|                               |       |      |

ND, not detected