

Figure S1. Survival of CRC-bearing mice following *B. pullicaecorum* administration. Mice were administered 3.125×10^7 CFU/100 μ l of *B. pullicaecorum* via oral gavage. The Kaplan-Meier method was used to measure the fraction of living mice and compared using the log-rank test. Data are presented as mean \pm SEM (except the survival curve). CG, control group (n=5, blue line); DMH, 1,2-dimethylhydrazine (n=6, red line); DMH/BP, DMH and *B. pullicaecorum* administration (n=6, green line).

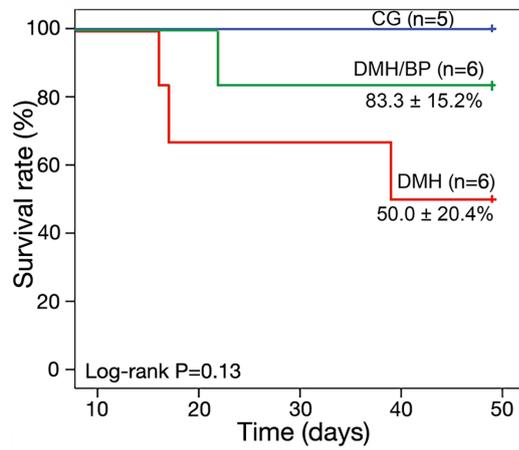


Table SI. Concentration of SCFAs in the medium following cultivation of *Butyricoccus pullicaecorum*.

SCFA	PY-X broth, mM	Conditioned medium, mM
Acetate	0.51	0.07
Propanoate	0.02	0.03
Butyrate	0.04	3.05
Isobutyrate	0.04	0.04
Valerate	<0.01	<0.01
Isovalerate	0.02	0.02
Caproate	<0.01	0.01
Heptanoate	<0.01	<0.01
Caprylate	<0.01	<0.01
Nonanoate	<0.01	<0.01
Decanoate	<0.01	<0.01

SCFA, short-chain fatty acid; PY-X broth, medium without *B. pullicaecorum*; conditioned medium, medium from *B. pullicaecorum* cultures.