

Table S1. Experimental design.

Day	Control, orally	Lf <i>L. fermentum</i> treatment, orally	Si <i>S. Infantis</i> treatment, orally	LfSi Co-exposure treatment, orally
1 – 3 d	Saline solution	10 ⁹ CFU/0.2 mL (Probiotic)	Saline solution	10 ⁹ CFU/0.2 mL (Probiotic)
4 d	Saline solution	10 ⁹ CFU/0.2 mL (Probiotic)	10 ⁷ CFU/0.1 mL (<i>S. Infantis</i>)	10 ⁹ CFU/0.2 mL (<u>Probiotic</u>) + 10 ⁷ CFU/0.1 mL (<i>S. Infantis</i>)
5 – 7 d (1 dpi – 3 dpi)	Saline solution	10 ⁹ CFU/0.2 mL (Probiotic)	Saline solution	10 ⁹ CFU/0.2 mL (Probiotic)
8 – 14 d (4 dpi – 10 dpi)	NT	NT	NT	NT
15 d (11 dpi) sample collection	10	10	10	10

NT, no treatment; dpi, days post-infection.