

Table S1. Effects of oral administration of LBB-mix on the incidence of diarrhea in newly weaned pigs before and after *S. Infantis* challenge.

Group ¹ /item	Pigs ²		Pig days					
	At risk	With diarrhea		At risk	With diarrhea		Significance of difference	
	(n)	(n)	(%)	(n)	(n)	(%)	SI	PS
Pre-challenge								
CN	8	0	0	54	6	11.11	*	
SI	8	0	0	53	6	11.32		
PS	8	3	37.5	56	12	21.43		
Post-challenge								
CN	8	0	0	38	5	13.16	***	***
SI	8	8	100	37	34	91.89		*
PS	8	8	100	40	35	87.5		

¹ CN, control group with sterile physiological saline; SI, oral sterile physiological saline from day 1 to day 7 followed by *S. Infantis* challenge; PS, pretreated with potential probiotic mixture for day 1 to day 7 and followed by *S. Infantis* challenge. ² In this study, two consecutive fecal scores greater than 4 were identified as diarrhea in the pig. *n* = 8 pigs per group; Pearson's chi-square test. **p* < 0.05; ** *p* < 0.01; *** *p* < 0.001.