

Supplementary Material

**Evaluation of the probiotic strain *Bifidobacterium longum*
subsp. *infantis* CECT 7210 capacities to improve health status
and fight digestive pathogens in a piglet model**

Emili Barba-Vidal¹, Lorena Castillejos¹, Paola López-Colom¹, Montserrat Rivero Urgell², José A. Moreno Muñoz² and Susana M. Martín-Orúe^{1*}

***Correspondence:** Susana M. Martín-Orúe. Susana.Martin@uab.cat

Supplementary Table ST.2. Ileal pH values, ammonia concentration and fermentation products for Days 4 and 8 post-inoculation (PI) in *Salmonella* and ETEC K88 trials.

	Days PI	Treatments ^A				RSD ^B	P-value		
		CN	CP	NN	NP		Challenge	Probiotic	Interaction
Trial 1. <i>Salmonella</i>									
pH	4	6.14	6.16	6.22	6.32	0.274	0.318	0.618	0.724
	8	5.88	5.90	5.84	6.28	0.281	0.175	0.070	0.096
NH₃ (mmol/L)	4	2.42	2.34	1.65	1.32	0.901	0.033	0.604	0.758
	8	1.20	0.97	0.63	0.83	0.601	0.183	0.958	0.421
SCFA (mmol/kg)	4	5.96	3.83	5.30	4.90	2.424	0.906	0.460	0.610
	8	3.43	4.01	2.95	4.05	1.117	0.662	0.112	0.612
Lactic acid (mmol/kg)	4	32.6	41.3	43.6	15.2	33.60	0.609	0.507	0.217
	8	71.6	66.0	72.7	33.9	39.22	0.373	0.206	0.339
Trial 2. ETEC K88									
pH	4	6.19	6.28	6.18	6.34	0.122	0.718	0.024	0.508
	9	6.24	6.13	6.43	6.39	0.124	<0.001	0.181	0.500
NH₃ (mmol/L)	4	3.80	3.72	4.02	3.32	1.270	0.867	0.491	0.572
	9	0.98	0.84	1.15	0.74	0.321	0.777	0.058	0.335
SCFA (mmol/kg)	4	5.16	4.68	6.43	5.00	2.458	0.486	0.403	0.678
	9	10.67	8.52	4.00	2.87	5.765	0.051	0.578	0.863
Lactic acid (mmol/kg)	4	63.5	30.9	18.1	40.9	31.00	0.202	0.719	0.052
	9	33.6	41.1	19.5	5.9	30.40	0.076	0.820	0.433

^A Treatments: CN, challenged + no probiotic; CP, challenged + probiotic; NN, no challenge + no probiotic; NP, no challenge + probiotic. ^B Residual standard deviation. n = 8 for groups CN and CP, n = 4 for groups NN and NP.