

Table S1. Signalment of the enrolled dogs.

Dog	Breed	Sex	Age (yrs)	BW (kg)	Faecal mass (g)
D1 Cesare	French Bulldog	M	9	14.8	45.4
D2 Mandy	Pug	F(n)	9	8.0	40.0
D3 Tabata	Mixed	F(n)	6	28.5	98.4
D4 Nina	Mixed	F(n)	7	23.0	110.5
D5 Brenno	Boxer	M	6	31.5	109.1

¹ BW = body weight; n = neutered.

Table S2. Primers used in the qPCR assay.

Target species	Primer	Sequence (5'→3')	Annealing temperature (°C)	Reference
Firmicutes (483 bp)	Firm350f	GGCAGCAGTRGGAATCTTC	65	[24]
	Firm814r	ACACYTAGYACTCATCGTTT		
Bacteroidetes (414 bp)	CFB555f	CCGGAWTYATTGGGTTTAAAGGG	61	[24]
	CFB968r	GGTAAGGTTCTCGCGTA		
<i>Clostridium</i> cluster I (231 bp)	CI-F1	TACCHRAGGAGGAAGCCA	61	[25]
	CI-R2	GTTCTTCCTAATCTCTACGCAT		
<i>Lactobacillus</i> spp. (341 bp)	LacF	AGCAGTAGGGAATCTTCCA	61	[26]
	LacR	CACCGCTACACATGGAG		
<i>Bifidobacterium</i> spp. (243 bp)	BifF	TCGCGTCYGGTGTGAAAG	66	[27]
	BifR	CCACATCCAGCRTCCAC		
<i>Enterococcus</i> spp. (144 bp)	EnteroF	CCCTTATTGTTAGTTGCCATCATTT	61	[27]
	EnteroR	ACTCGTTGTACTTCCCATTGT		