

Table S2: Primers used in this study.

Primer	Primer sequence ^(a) (5'-3')	Use
<i>abpT-US for</i>	GATGGATCCGGTTT TAGATACGTTTCTAGTTAC	cloning flanks of <i>abpT</i> in pORI ₁₉₋₁
<i>abpT-US rev</i>	AGGGGGATTTTTCTTGTTAAGAAAGTATTTAGTTAATAGTTAGGGGGGAG	cloning flanks of <i>abpT</i> in pORI ₁₉₋₁
<i>abpT-DS for</i>	AATACTCCCCCTAACTATTAATACTTTCTTAACAAGAAAAATCC	cloning flanks of <i>abpT</i> in pORI ₁₉₋₁
<i>abpT-DS rev</i>	CCGGAATTTCGAGCAGATAAAGATGGCATAG	cloning flanks of <i>abpT</i> in pORI ₁₉₋₁
<i>abpT KO for</i>	GGTTGGAACCTTAGAGTATTCCAG	verifying <i>abpT</i> deletion
<i>abpT KO rev</i>	TCCTGCACCTTGGATAGTTATCTC	verifying <i>abpT</i> deletion
<i>V4 for-1</i> ^(b)	<u>CGTATCGCCTCCCTCGCGCCATCAG</u> ACGAGTGCGTAYTGGGYDTAAAGNG ^(d)	amplifying V4 region of bacterial 16S rRNA gene
<i>V4 rev</i> ^(b)	<u>GCCTTGCCAGCCCGCTCAGTACNVGGGTATCTAATCC</u> ^(d)	amplifying V4 region of bacterial 16S rRNA gene
<i>V4 for-2</i> ^(c)	<u>CCATCTCATCCCTGCGTGTCTCCGACTCAG</u> ACGAGTGCGTAYTGGGYDTAAAGNG ^(d)	amplifying V4-V5 region of bacterial 16S rRNA gene
<i>V5 rev</i> ^(c)	<u>CCTATCCCCTGTGTGCCTTGGCAGTCTCAGCCGTCAATTYTTTRAGTTT</u> ^(d)	amplifying V4-V5 region of bacterial 16S rRNA gene

(a) From the annotated sequence of *L. salivarius* UCC118 [13].

(b) Primers used for the mouse trial pyrosequencing analysis.

(c) Primers used for the pig trial pyrosequencing analysis.

(d) Primers used for the pyrosequencing analysis. Each primer contains a sequence homologue to the V4 or V4-V5 region of the bacterial 16S rRNA gene and a 454 adaptor sequence (underlined) used for sequencing. Each forward primer contains in addition a barcode (in red) that was used to distinguish between each sample in the pool of amplicons (a total of 24 different barcodes were used in these studies).