

SUPPLEMENTARY MATERIALS

Supplemental Table 1. Primers used for verification of selected OTUs found in 16S profiles from the present study.

Verified organism or OUT	Forward primer, reverse primer
<i>Turicella otitidis</i> ^(a)	GCGTCGTCTGTGAAAGTCTG ATCGGTGTTCTCTGATATCTG
<i>Prevotella</i> , OTU 11 ^(a)	GGCGTTATCCGGATTTATTGGGTT CGTCAGTAACGTTACGGTAAGCT
<i>Prevotella</i> , OTU 14 ^(a)	GGCGTTATCCGGATTTATTGGGTT TCAGTTGCGCTCCCGTCAGCT
<i>Prevotella</i> , OTU 98 ^(a)	GGCGTTATCCGGATTTATTGGGTT GTCAGTTGCAGCCCGGACAC
<i>Prevotella</i> , OTU 134 ^(a)	GGCGTTATCCGGATTTATTGGGTT GCGTCAGTTGTGCTCCCGTAA
<i>Veillonella</i> , all its OTUS ^(a)	AACCCCGTGATGGGATGGAA GCGTCAGTTTTCGTCCAGAAAG
<i>Veillonella dispar</i> ^(a)	GCGCGCGCAGGCGGATTGGTC GCGTCAGTTTTCGTCCAGAAAG
<i>Veillonella</i> other species ^(a)	GCGCGCGCAGGCGGCCTATCC GCGTCAGTTTTCGTCCAGAAAG
<i>Staphylococcus auricularis</i> ^(b)	GTTCTACAGTGAAAGGCGGCT GAAGACTCTATCTCTAGAGCG

Own design of primers. These primers were intended for verification and quantification of OTUs of interest within the repertoire of bacteria in the present study, plus the control Mock Community. The primers therefore lack absolute specificity within the kingdom of *Bacteria* and their use for general detection of the organisms is very strongly discouraged.

(a) These reactions use a degenerate MGB probe that provides an approximation of the bacterial quantity of the sample. (16S_V4_IN_PROBE, FAM - CATTYCACCGCTACAC - dark quencher, MGB).

(b) The primers are theoretically specific for *S. auricularis* but the specificity is maintained mainly by the forward primer. As only several mismatches prevent cross-reactivity with *S. warneri*, *pasteuri* or *pulmonis*, it may be expected at less stringent conditions, or high concentration of the agents.

