

Table S4. Quantitative Microbiota analysis by 454 amplicon sequencing

	Chao 1	Shannon (H)	E
<i>S. tm^{att}</i> L (d.2)	49±15	0.4±0.4	0.1±0.1
<i>S. tm^{att}</i> L (d.40)	62±14	0.8±0.3	0.2±0.1
<i>S. tm^{att}</i> L (d.83)	53±31	0.4±0.3	0.1±0
<i>S. tm^{att}</i> L /C	504±46	4.6±0.1	0.8±0
C	423	4.5	0.8

* The **Shannon-index** (H') is a measure of species diversity taking into account the number of species and the evenness of the species. i = number of species; p_i = relative abundance of species i ; H' is maximal if all species are present at equal abundance ($H^{\max} = \log(1/i)$; i = number of species).

$$H' = - \sum_i p_i \cdot \ln p_i$$

Species Evenness: H'/H^{\max} ; (0-1) An E value of 1 means that the abundance of all species is the same.

‡ The **Chao1 estimator** estimates total species richness as

$$S_{Chao1} = S_{obs} + \frac{n_1}{2n_2}$$

where S_{obs} is the number of observed species, n_1 is the number of singletons (species captured once), and n_2 is the number of doubletons (species captured twice) [15].

Supplemental References

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