

Table S4. Endpoint association with final pH using Spearman's correlates

Endpoint	Variable	Spearman ρ	p-val (%)*
Bacterial density (OD/mL)	Final pH	-0.3671	4.6
Surface expressed CFA/I (MHT (log ₂))	Final pH	0.1986	30.1
Secreted LT (pg/OD)	Final pH	-0.0234	90.3

*p-values <5% are considered significant