

kTable S1. Comparison of least square means of total bacterial load and Shannon alpha diversity by site in individuals on versus those off acid blockade.

Location	Total Bacterial Load			Shannon Alpha Diversity		
	Off	On	Sidak P-value	Off	On	Sidak P-value
Nares	4.37 (0.16)	3.82 (0.17)	0.89	1.62 (0.22)	2.01 (0.25)	0.99
Oral string	5.43 (0.16)	5.21 (0.18)	0.99	3.72 (0.23)	3.57 (0.25)	0.99
Oropharyngeal	5.56 (0.20)	5.96 (0.30)	0.99	3.72 (0.28)	3.79 (0.42)	0.99
Sputum	6.43 (0.24)	6.35 (0.30)	0.99	2.81 (0.35)	3.14 (0.42)	0.99
Proximal Esophagus	5.90 (0.15)	5.78 (0.17)	0.99	3.84 (0.21)	3.72 (0.24)	0.99
Distal esophagus	6.14 (0.15)	5.97 (0.17)	0.99	3.70 (0.21)	3.53 (0.24)	0.99
Gastric	6.17 (0.16)	5.94 (0.17)	0.99	3.73 (0.22)	3.75 (0.24)	0.99
Duodenal	6.26 (0.27)	6.16 (0.20)	0.99	4.16 (0.38)	3.68 (0.28)	0.99