

Supplementary Table 3: Factors associated with the microbiota community structure, as assessed using PERMANOVA with the adonis function (9999 permutations) of the unweighted and weighted UniFrac distances metrics and Bray-Curtis dissimilarities ^a

Parameter	Unweighted UniFrac			Weighted UniFrac			Bray-Curtis		
	Pseudo-F ratio	R ²	P value	Pseudo-F ratio	R ²	P value	Pseudo-F ratio	R ²	P value
Cohort (sampling site)	23.75	0.126	<1*10 ⁻⁴	50.05	0.230	<1*10 ⁻⁴	51.17	0.229	<1*10 ⁻⁴
Airway location (3-groups; lower airway; mouth; nose)	45.58	0.121	<1*10 ⁻⁴	60.05	0.138	<1*10 ⁻⁴	71.31	0.159	<1*10 ⁻⁴
Hypervariable region sequenced (V1V2 vs. V1V3)	92.82	0.062	<1*10 ⁻⁴	59.30	0.034	<1*10 ⁻⁴	53.23	0.030	<1*10 ⁻⁴

^a PERMANOVA, permutational multivariate analysis of variance.