

Supplementary Table 1. Dissimilarities of microbiome in relation to sex, site, MAST, and serum IgE level

Variable	Sex	Site (tonsil or adenoid)	MAST	IgE
Number of group	2	2	2	3
Bray-Curtis				
<i>P</i> -value (ANOSIM)	0.171	0.167	0.413	0.281
<i>P</i> -value (PERMANOVA)	0.470	0.247	0.186	0.030*
Unweighted UniFrac				
<i>P</i> -value (ANOSIM)	0.666	0.607	0.080	0.795
<i>P</i> -value (PERMANOVA)	0.585	0.680	0.174	0.151
Weighted UniFrac				
<i>P</i> -value (ANOSIM)	0.112	0.281	0.423	0.334
<i>P</i> -value (PERMANOVA)	0.408	0.146	0.185	0.046*

MAST, multiple allergen simultaneous test; IgE, immunoglobulin E; ANOSIM, analysis of similarities; PERMANOVA, permutational multivariate analysis of variance.

* $P < 0.05$.