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## **Supplemental Material**

### **Urban Dust Microbiome: Impact on Later Atopy and Wheezing**

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**Table 1:** Adjusted\* odds ratios (aORs 95% CI) for the association between fungal and bacterial diversity (Simpson index, tertiles) and early wheezing (up to 2 years of age)

<b>Logistic regression models</b>	<b>Fungal diversity</b>	<b>Bacterial diversity</b>
<b>Wheezing ever (2y)</b>		
2 <sup>nd</sup> tertile vs 1 <sup>st</sup> tertile	0.58 (0.27, 1.23)	0.75 (0.35, 1.62)
3 <sup>rd</sup> tertile vs 1 <sup>st</sup> tertile	<b>0.36 (0.16, 0.83)</b>	0.97 (0.45, 2.08)
<b>GEE model (longitudinal analysis)</b>		
<b>Wheezing until 2y</b>		
2 <sup>nd</sup> tertile vs 1 <sup>st</sup> tertile	0.56 (0.29, 1.06)	0.61 (0.30, 1.21)
3 <sup>rd</sup> tertile vs 1 <sup>st</sup> tertile	<b>0.40 (0.18, 0.89)</b>	1.11 (0.57, 2.15)

\*adjusted for sex, maternal education, season of dust sampling