

Supplementary table S3. Host and environmental characteristics in infant clusters three weeks after the onset of ARI* (swab B)

Cluster (n = 155)	B1 (n = 96)	B2 (n = 34)	B3 (n = 25)	p value
Age, months	7.1 [4.9-8.7]	8.0 [4.9-9.3]	6.0 [3.8-8.5]	0.142
Seasons				
Spring	24 (25.0)	7 (20.6)	5 (20.0)	0.892 [†]
Summer	9 (9.4)	4 (11.8)	0 (0.0) ↓	0.216 [†]
Autumn	22 (22.9)	6 (17.6)	6 (24.0)	0.852 [†]
Winter	41 (42.7)	17 (50.0)	14 (56.0)	0.438 [†]
Sex, male	54 (56.3)	17 (50.0)	18 (72.0) ↑	0.471 [†]
Siblings	65 (67.7)	15 (44.1)	18 (72.0)	0.095 [‡]
Caesarean section	12 (12.5)	9 (26.5) ↑	1 (4.0) ↓	0.085 [‡]
Atopy	67 (69.8)	20 (58.8)	15 (60.0)	0.699 [‡]
Childcare	24 (25.0) ↑	3 (8.8) ↓	2 (8.0) ↓	0.030 [†]
Breastfeeding	55 (57.3)	19 (55.9)	20 (80.0) ↑	0.199 [‡]
ETS [§]	12 (12.5)	6 (17.7)	5 (20.0)	0.814 [†]

*ARI, acute respiratory tract infection. Data are presented as median [interquartile range] or n (%). Statistical analyses were performed using a Kruskal Wallis test for age and Fisher's exact test[†] or Chi-square test[‡] for categorical variables. Significant overrepresentation (bold letters, ↑) and significant underrepresentation (bold/italic letters, ↓) of presence of symptoms in the clusters was assessed by enrichment analysis. [§]ETS, environmental tobacco smoke exposure.