

**Supplementary table S5.** Infant clusters and detected viruses three weeks after the onset of ARI\*

(swab B)

Cluster	B1	B2	B3	p value
(n = 155)	(n = 96)	(n = 34)	(n = 25)	
Any virus	33 (34.4)	6 (17.7)	9 (36.0)	0.162 <sup>†</sup>
HRV/EV	<b>14 (14.6) ↑</b>	<b>1 (2.9) ↓</b>	<b>0 (0.0) ↓</b>	0.030 <sup>‡</sup>
RSV	11 (11.5)	<b>2 (5.9) ↓</b>	<b>5 (20.0) ↑</b>	0.256 <sup>‡</sup>
HMPV	3 (3.1)	1 (2.9)	1 (4.0)	1.000 <sup>‡</sup>
HCoV	4 (4.2)	<b>0 (0.0) ↓</b>	<b>5 (20.0) ↑</b>	0.007 <sup>‡</sup>
HPIV	4 (4.2)	1 (2.9)	<b>0 (0.0) ↓</b>	0.826 <sup>‡</sup>
> 1 virus	3 (8.3)	0 (0.0)	2 (8.0)	0.185 <sup>‡</sup>
New virus <sup>§</sup>	<b>28 (29.2) ↑</b>	<b>3 (8.8) ↓</b>	7 (28.0)	0.042 <sup>‡</sup>
Type of new virus				
HRV/EV	<b>12 (12.5) ↑</b>	0 (0.0)	0 (0.0)	0.017 <sup>‡</sup>
RSV	9 (9.4)	<b>1 (2.9) ↓</b>	3 (12.0)	0.447 <sup>‡</sup>
HMPV	3 (3.1)	1 (2.9)	1 (4.0)	1.000 <sup>‡</sup>
HCoV	3 (3.1)	0 (0.0)	<b>4 (16.0) ↑</b>	0.021 <sup>‡</sup>
HPIV	4 (4.2)	1 (2.9)	0 (0.0)	0.826 <sup>‡</sup>

\*ARI, acute respiratory tract infection. Data are presented as n (%). Statistical analyses were performed using a <sup>†</sup>Chi-square or <sup>‡</sup>Fisher's exact test. <sup>§</sup>Positive virus detection in swab B different to result of swab A (either no or different virus detected in swab A).

Significant overrepresentation (bold letters, ↑) and significant underrepresentation (bold/italic letters, ↓) of virus detection in the clusters was assessed by enrichment analysis.