

Supplementary material

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Table S1. The number of characteristic bacteria species with $p < 0.005$, differentiating among cohort I (high viral load), II (low viral load), and III (virus eliminated from the epithelial cells).

Taxa	Group comparison, p-value (Wilcoxon)				
Species	Group I vs II	Species	Group I vs III	Species	Group II vs III
<i>Abiotrophia defectiva</i>	0.000	<i>Abiotrophia defectiva</i>	0.000	<i>Gemella morbillorum</i>	0.009
<i>Actinomyces graevenitzii</i>	0.000	<i>Actinomyces graevenitzii</i>	0.000	<i>Atopobium rimae</i>	0.010
<i>Actinomyces meyeri</i>	0.000	<i>Actinomyces meyeri</i>	0.000	<i>Fretibacterium fastidiosum</i>	0.012
<i>Actinomyces odontolyticus</i>	0.000	<i>Actinomyces odontolyticus</i>	0.000	<i>Actinomyces odontolyticus</i>	0.025
<i>Akkermansia muciniphila</i>	0.000	<i>Aggregatibacter aphrophilus</i>	0.000	<i>Bacteroides vulgatus</i>	0.027
<i>Alloprevotella rava</i>	0.000	<i>Akkermansia muciniphila</i>	0.000	<i>Bacillus nanhaiisediminis</i>	0.047
<i>Alloprevotella tanneriae</i>	0.000	<i>Alloprevotella rava</i>	0.000		
<i>Anaerococcus nagyae</i>	0.000	<i>Alloprevotella tanneriae</i>	0.000		
<i>Anaerococcus octavius</i>	0.000	<i>Anaerococcus nagyae</i>	0.000		
<i>Anaerococcus provenciensis</i>	0.000	<i>Anaerococcus octavius</i>	0.000		
<i>Anaeroglobus geminatus</i>	0.000	<i>Anaerococcus provenciensis</i>	0.000		
<i>Atopobium parvulum</i>	0.001	<i>Atopobium parvulum</i>	0.000		
<i>Atopobium rimae</i>	0.001	<i>Atopobium rimae</i>	0.000		
<i>Bacillus macyae</i>	0.001	<i>Bacillus macyae</i>	0.000		
<i>Bacillus nanhaiisediminis</i>	0.002	<i>Bacillus nanhaiisediminis</i>	0.000		
<i>Bacillus pseudofirmus</i>	0.005	<i>Bacillus pseudofirmus</i>	0.001		
<i>Bacteroides dorei</i>	0.007	<i>Bacteroides dorei</i>	0.001		
<i>Bacteroides uniformis</i>	0.007	<i>Bacteroides uniformis</i>	0.003		
<i>Bacteroides vulgatus</i>	0.007	<i>Bacteroides vulgatus</i>	0.009		
<i>Bifidobacterium longum</i>	0.010	<i>Bifidobacterium longum</i>	0.010		
<i>Blautia luti</i>	0.011	<i>Blautia luti</i>	0.012		
<i>Blautia wexlerae</i>	0.012	<i>Blautia wexlerae</i>	0.013		

<i>Butyrivibrio proteoclasticus</i>	0.014	<i>Butyrivibrio proteoclasticus</i>	0.014		
<i>Campylobacter concisus</i>	0.016	<i>Campylobacter concisus</i>	0.016		
<i>Campylobacter gracilis</i>	0.016	<i>Campylobacter gracilis</i>	0.016		
<i>Campylobacter mucosalis</i>	0.017	<i>Capnocytophaga gingivalis</i>	0.017		
<i>Capnocytophaga gingivalis</i>	0.017	<i>Capnocytophaga granulosa</i>	0.018		
<i>Capnocytophaga granulosa</i>	0.017	<i>Capnocytophaga leadbetteri</i>	0.020		
<i>Capnocytophaga leadbetteri</i>	0.019	<i>Capnocytophaga ochracea</i>	0.024		
<i>Capnocytophaga ochracea</i>	0.021	<i>Capnocytophaga sputigena</i>	0.026		
<i>Capnocytophaga sputigena</i>	0.021	<i>Cardiobacterium hominis</i>	0.038		
<i>Cardiobacterium hominis</i>	0.026	<i>Corynebacterium accolens</i>	0.038		
<i>Corynebacterium accolens</i>	0.027	<i>Corynebacterium amycolatum</i>	0.046		
<i>Corynebacterium amycolatum</i>	0.032				
<i>Corynebacterium appendicis</i>	0.035				
<i>Corynebacterium kroppenstedtii</i>	0.035				
<i>Corynebacterium pilbarensense</i>	0.037				
<i>Corynebacterium pseudodiphtheriticum</i>	0.041				
<i>Corynebacterium singulare</i>	0.041				
<i>Corynebacterium tuberculostearicum</i>	0.043				
<i>Dialister invisus</i>	0.046				
<i>Dialister micraerophilus</i>	0.047				