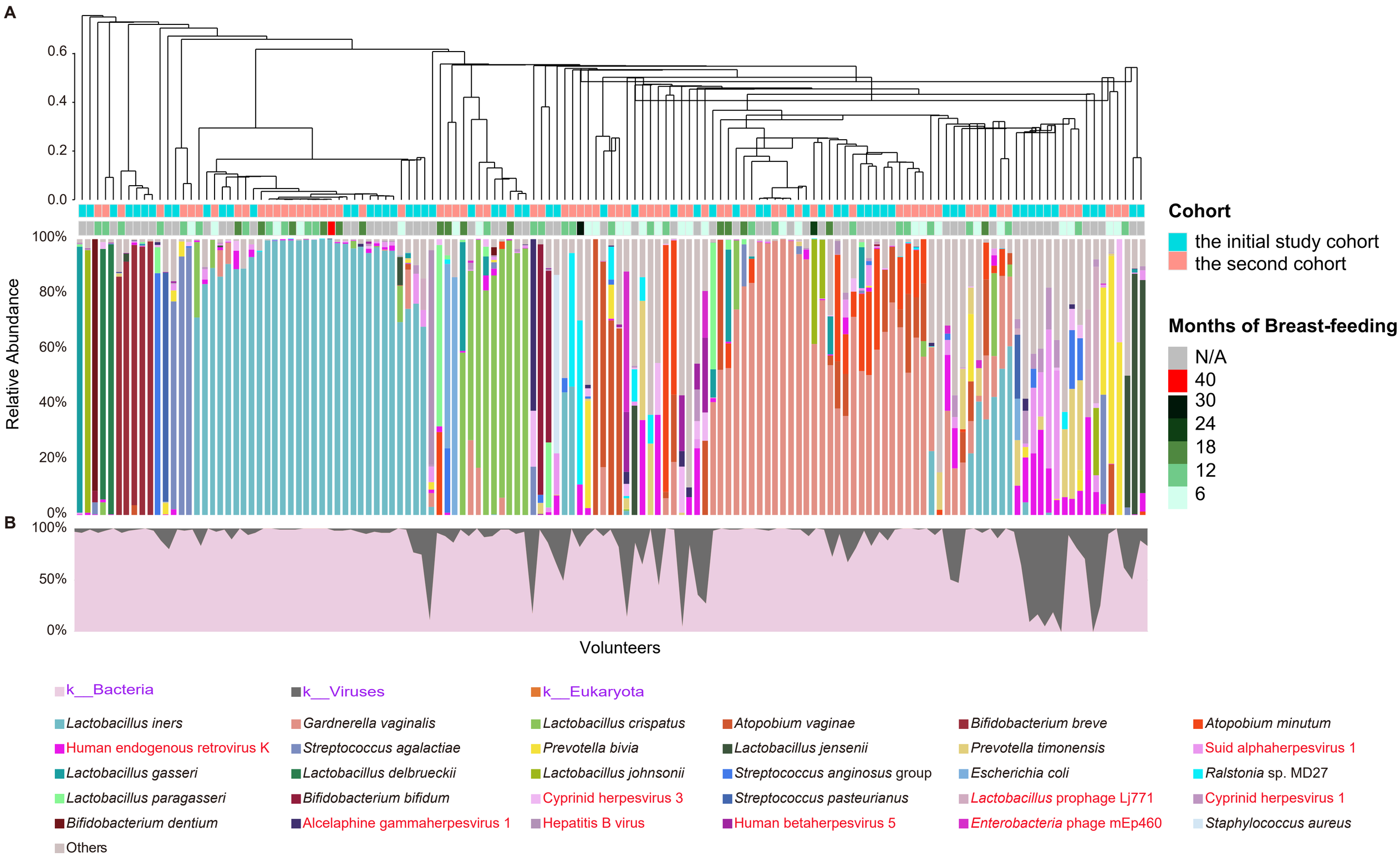
A
0.6
0.4
0.2
0.0
Relative Abundance
100%
80%
60%
40%
20%
0%
B
100%
50%
0%
Volunteers
Cohort
the initial study cohort
the second cohort
Months of Breast-feeding
N/A
40
30
24
18
12
6
k__Bacteria
k__Viruses
k__Eukaryota
Lactobacillus iners
Gardnerella vaginalis
Lactobacillus crispatus
Atopobium vaginae
Bifidobacterium breve
Atopobium minutum
Human endogenous retrovirus K
Streptococcus agalactiae
Prevotella bivia
Lactobacillus jensenii
Prevotella timonensis
Suid alphaherpesvirus 1
Lactobacillus gasseri
Lactobacillus delbrueckii
Lactobacillus johnsonii
Streptococcus anginosus group
Escherichia coli
Ralstonia sp. MD27
Lactobacillus paragasseri
Bifidobacterium bifidum
Cyprinid herpesvirus 3
Streptococcus pasteurianus
Lactobacillus prophage Lj771
Cyprinid herpesvirus 1
Bifidobacterium dentium
Alcelaphine gammaherpesvirus 1
Hepatitis B virus
Human betaherpesvirus 5
Enterobacteria phage mEp460
Staphylococcus aureus
Others
C
Diverse (24.08%, n=33)
Lactobacillus iners (23.36%, n=32)
Gardnerella vaginalis (18.25%, n=25)
Lactobacillus crispatus (6.57%, n=9)
Atopobium vaginae (2.92%, n=4)
Bifidobacterium breve (3.65%, n=5)
Atopobium minutum (1.46%, n=2)
Molluscum contagiosum virus (0.73%, n=1)
Bifidobacterium longum (0.73%, n=1)
Staphylococcus aureus (0.73%, n=1)
Enterobacteria phage mEp460 (0.73%, n=1)
Hepatitis B virus (0.73%, n=1)
Alcelaphine gammaherpesvirus 1 (0.73%, n=1)
Bifidobacterium dentium (0.73%, n=1)
Streptococcus pasteurianus (0.73%, n=1)
Bifidobacterium bifidum (1.46%, n=2)
Lactobacillus paragasseri (0.73%, n=1)
Ralstonia sp. MD27 (0.73%, n=1)
Escherichia coli (1.46%, n=2)
Streptococcus anginosus group (0.73%, n=1)
Lactobacillus johnsonii (0.73%, n=1)
Lactobacillus delbrueckii (1.46%, n=2)
Lactobacillus gasseri (0.73%, n=1)
Suid alphaherpesvirus 1 (0.73%, n=1)
Lactobacillus jensenii (1.46%, n=2)
Prevotella bivia (1.46%, n=2)
Streptococcus agalactiae (2.19%, n=3)