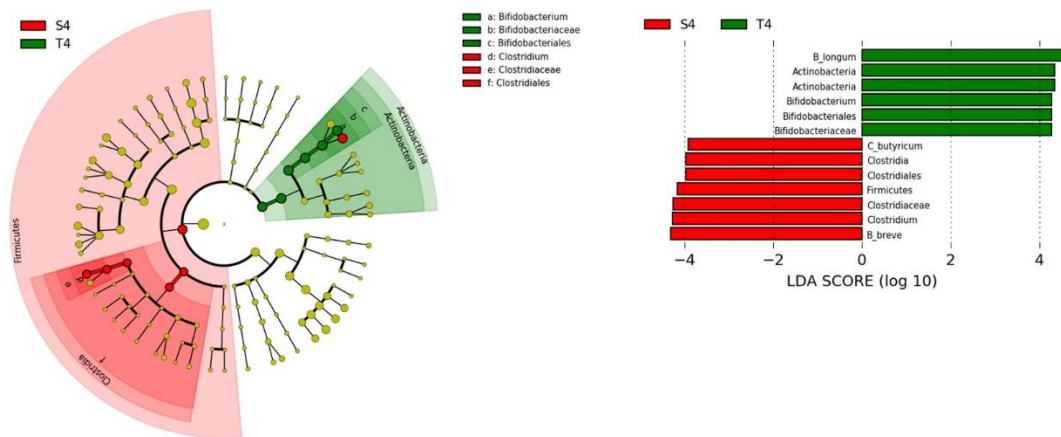


Supplemental material 1. PCR primers for detection of infant's intestinal bacteria.

| Target | Primer | Sequence (5' to 3') |
|--|------------|------------------------|
| Total bacteria | Probio_Uni | CCTACGGGRSGCAGCAG |
| | Probio_Rev | ATTACCGCGGCTGCT |
| <i>Bifidobacterium bifidum</i> | BiBIF-1 | CCACATGATCGCATGTGATTG |
| | BiBIF-2 | CCGAAGGCTTGCTCCCAA |
| <i>Bifidobacterium breve</i> | BiBRE-1 | CCGGATGCTCCATCACAC |
| | BiBRE-2 | ACAAAGTGCCTTGCTCCCT |
| <i>Bifidobacterium longum</i> . subsp. <i>longum</i> | BiLON-1 | TTCCAGTTGATCGCATGGTC |
| | BiLON-2 | GGGAAGCCGTATCTCTACGA |
| <i>Bifidobacterium longum</i> . subsp. <i>infantis</i> | Sia-266F | GACGAGGAGGAATACAGCAG |
| | Sia-676R | CACGAACAGCGAATCATGGATT |



Supplemental material 2. Linear discriminant analysis effect size (LEfSe) in weeks 4 feces samples between study groups described by a cladogram and linear discriminant analysis score graph. S4 (red), single-strain group at weeks 4; T4 (green), triple-strain group at weeks 4.