**Supplement Table1. 16S rRNA gene-targeted group-specific primers used in this study**

The bacterial strains used as positive and negative controls in

this study included Atopobiumparvulum

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| --- | --- | --- | --- |
| Target bacterial group  | Primer | Sequence(5’-3’) | References  |
| *Bifidobacterium* | Bifid-FBifid-R | TCGCGTCYGGTGTGAAAGGGTGTTCTTCCCGATATCTACA | [1] [2] [3] [4] [1] [5] [6] [7]  |
| *Escherichia coli* | Ecoli-FEcoli-R | CATGCCGCGTGTATGAAGAACGGGTAACGTCAATGAGCAAA |
| *Enterococcus* | Entero-FEntero-R | AGAAATTCCAAACGAACTTGCAGTGCTCTACCTCCATCATT |
| *Lactobacillus* | Lacto-FLacto-R | AGCAGTAGGGAATCTTCCACACCGCTACACATGGAG |
| *Bacteroides* | Bact-FBact-R | GGTGTCGGCTTAAGTGCCATCGGA(C/T)GTAAGGGCCGTGC |
| *Prevotella* | Prevo-FPrevo-R | CACRGTAAACGATGGATGCCGGTCGGGTTGCAGACC |
| *Ruminococcus* | Rumino-FRumino-R | GGACGATAATGACGGTACTTGCAATCYGAACTGGGACAAT |
| *Clostridium* | Clostri-FClostri-R | GCACAAGCAGTGGAGTCTTCCTCCGTTTTGTCAA |

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