**Additional files 1**

**Supplementary Table S1.** Primers used for quantification in this study

|  |  |  |
| --- | --- | --- |
| Target | Primer sequence 5′-3′ | Reference |
| Total bacteria | Forward: CGGTGAATACGTTCYCGGReverse: GGWTACCTTGTTACGACTT | [1] |
| Firmicutes | Forward: GGAGYATGTGGTTTAATTCGAAGCA | [2] |
| Reverse: AGCTGACGACAACCATGCAC |
| Bacteroidetes | Forward: GGARCATGTGGTTTAATTCGATGAT | [2] |
| Reverse: AGCTGACGACAACCATGCAG |
| *Clostridium* cluster IV | Forward: GCACAAGCAGTGGAGT | [3] |
| Reverse: CTTCCTCCGTTTTGTCAA |
| *Clostridium* cluster XIVa | Forward: CGGTACCTGACTAAGAAGC | [4] |
| Reverse: AGTTTYATTCTTGCGAACG |
| *Escherichia.coli* | Forward: CATGCCGCGTGTATGAAGAA | [5] |
| Reverse: CGGGTAACGTCAATGAGCAAA |
| *Bifidobacterium* | Forward: TCGCGTCYGGTGTGAAAG | [6] |
|  | Reverse: GGTGTTCTTCCCGATATCTAC |  |
| *Lactobacillus* | Forward: AGCAGTAGGGAATCTTCCA | [7] |
| Reverse: ATTCCACCGCTACACATG |
| *Bacteroides-Prevotella* | Forward: GAGAGGAAGGTCCCCCAC | [8] |
| Reverse: CGCTACTTGGCTGGTTCAG |
| *Ruminococcus* | Forward: GAAAGCGTGGGGAGCAAACAGG | [9] |
| Reverse: GACGACAACCATGCACCACCTG |

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