

**Table S1** Sequences of the primers used in this study

| Target                 | Direction | Nucleotide                        |
|------------------------|-----------|-----------------------------------|
| <i>16S rRNA</i>        | Forward   | GGTGAATACGTTCCCGG                 |
| <i>16S rRNA</i>        | Reverse   | TACGGCTACCTTGTTACGACTT            |
| <i>F.nucleatum</i>     | Forward   | CAACCATTACTTTAACTCTACCATGTTCA     |
| <i>F.nucleatum</i>     | Reverse   | GTTGACTTTACAGAAGGAGATTATGTAAAAATC |
| <i>P.gingivalis</i>    | Forward   | GAACGATTTGAACTGGGACA              |
| <i>P.gingivalis</i>    | Reverse   | AACGGTAGTAGCCTGATCCA              |
| <i>D.desulfuricans</i> | Forward   | CGGCAATACGGAAAGCATCG              |
| <i>D.desulfuricans</i> | Reverse   | GCCCGATGCGGTAAATTCC               |
| <i>P.melanogenica</i>  | Forward   | GGATGGACTTGGAGCGTTGA              |
| <i>P.melanogenica</i>  | Reverse   | TCATATCCCTACCACGGCGA              |