**Supplementary Table 2**. PCR conditions used for bacteria identification

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| --- | --- | --- | --- |
| **Primers** | | | |
| **Gene name** | **Primer sequence (5’-3’)** | | **Reference** |
| Full-length  16S rRNA | **27F:**AGAGTTTGATCCTGGCTCAG | | [28] |
| **1492R:**GGTTACCTTGTTACGACTT | |
| **PCR reaction mix** | | | |
| **Component** | **Volume for one reaction** | | **Final concentration** |
| Taq PCR Master Mix (2X) | 10 μL | | 1x |
| Forward Primer (10 μM) | 1 μL | | 0.5 μM |
| Reverse Primer (10 μM) | 1 μL | | 0.5 μM |
| Template DNA | 2 μL | | NA |
| ddH2O | 6 μL | | NA |
| Total | 20 μL | |  |
| **PCR reaction procedure** | | | |
| **Step** | **Cycle number** | **Temperature** | **Time** |
| DNA pre-denaturation | 1 | 95 ℃ | 3 min |
| denaturation | 40 | 94 ℃ | 30 s |
| Primer annealing | 55 ℃ | 30 s |
| Primer extension | 72 ℃ | 60 s |