

Table 1. Summary of the primer pairs used to generate the 16S rRNA gene fragment fragments and the characteristics of each region.

| Region | Forward | Reverse | <i>E. coli</i> Coordinates | Amplicon Length | Sequences (N) |
|---------------|----------------------|----------------------|---------------------------------------|----------------------------|--------------------------|
| V4 | GTGCCAGCMGCCGCGGTAA | GGACTACHVGGGTWTCTAAT | 515-806 | 253 | 21,932 |
| V1-V3 | AGRGTTTGATYMTGGCTCAG | ATTACCGCGGCTGCTGG | 8-534 | 490 | 36,521 |
| V3-V5 | CCTACGGGAGGCAGCAG | CCCGTCAATTCMTTTRAGT | 341-927 | 551 | 16,691 |
| V1-V5 | AGRGTTTGATYMTGGCTCAG | CCCGTCAATTCMTTTRAGT | 8-927 | 881 | 51,725 |
| V1-V6 | AGRGTTTGATYMTGGCTCAG | ACRACACGAGCTGACGAC | 8-1078 | 1033 | 64,535 |
| V1-V9 | AGRGTTTGATYMTGGCTCAG | GGYTACCTTGTTACGACTT | 8-1510 | 1464 | 61,627 |