**Supplemental Table S2** Average relative abundance of phylum level microbial groups for each treatment at day 55 and 176

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| --- | --- | --- |
|  | **Day 55** | **Day 176** |
|  | T1 | T2 | T3 | T1 | T2 | T3 |
| Firmicutes  | 76.97±3.8a | 79.01±2 | 78.2±1.49 | 79.15±3.75 | 79.73±3.11 | 80.81±3.62 |
| Proteobacteria  | 12.8±2.23 | 12.44±1.5 | 11.93±0.91 | 12.33±2.28 | 11.81±2.64 | 11.06±3.05 |
| Bacteroidetes  | 3.46±1.16 | 2.37±0.34 | 3.49±0.74 | 1.95±0.36 | 2.47±0.42 | 2.19±0.66 |
| Spirochaetes  | 2.67±0.3 | 2.87±0.2 | 2.49±0.3 | 2.62±0.34 | 2.42±0.8 | 2.72±0.41 |
| Actinobacteria  | 2.54±0.6 | 2.41±0.11 | 2.4±0.27 | 3.2±1.48 | 2.63±0.5 | 2.33±0.72 |
| Fibrobacteres  | 0.5±0.19 | 0.27±0.08 | 0.52±0.18 | 0.23±0.08 | 0.34±0.06 | 0.41±0.13 |
| Fusobacteria  | 0.62±0.35 | 0.16±0.03 | 0.56±0.24 | 0.14±0.04 | 0.2±0.08 | 0.11±0.05 |
| Deferribacteres  | 0.23±0.04 | 0.24±0.04 | 0.21±0.02 | 0.2±0.03 | 0.22±0.07 | 0.19±0.07 |
| Verrucomicrobia  | 0.21±0.04 | 0.22±0.03 | 0.19±0.02 | 0.17±0.02 | 0.19±0.06 | 0.17±0.06 |
| Chlamydiae  | 0±0 | 0±0 | 0±0 | 0±0 | 0±0 | 0±0 |
| Planctomycetes  | 0±0 | 0±0 | 0±0 | 0±0 | 0±0 | 0±0 |

a The average relative contribution [%] of a microbial group is depicted with their respective standard deviation

Abbreviations used: T1; Treatment 1,T2; Treatment 2, T3; Treatment 3.