Table 3. Temporal changes of the relative abundance of different genera in NP microbiome of clinically healthy stocker calves (n = 24).

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Phylum | Relative abundance of bacterial genus at different days | | | | *P-*value |
| Day 0 | Day 7 | Day 14 | Day 21 |
| *Mycoplasma* | 0.06 ± 0.05b | 0.30 ± 0.05a | 0.31 ± 0.05a | 0.27 ± 0.06a | 0.01 |
| *Histophilus* | - | - | 0.14 ± 0.04 | 0.19 ± 0.04 | - |
| *Pasteurella* | 0.06 ± 0.02 | 0.02 ± 0.02 | 0.03 ± 0.02 | 0.07 ± 0.02 | 0.41 |
| *Lactobacillus* | 0.06 ± 0.008 | 0.05 ± 0.008 | 0.05 ± 0.008 | 0.04 ± 0.009 | 0.09 |
| *Bacillus* | 0.14 ± 0.01 | 0.11 ± 0.01 | 0.09 ± 0.01 | 0.09 ± 0.02 | 0.30 |

Day 0, Day 7, Day 14, and Day 21 denotes the day relative to calves’ arrival to the stocker farm.

abWithin each row, means with unlike letters differ significantly (*P* < 0.05).