**Title:** Fecal Microbiota Analysis Exploring Taxonomic Diversity of Hindgut Microbial

Communities in Kasaragod Dwarf and Holstein Friesian Cattle

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| --- | --- | --- |
| **Phylum** | **Pvalues** | **FDR** |
| Bacteroidetes | 3.93E-12 | 4.71E-11 |
| Proteobacteria | 8.57E-09 | 5.14E-08 |
| TM7 | 3.78E-07 | 1.51E-06 |
| Actinobacteria | 0.000195 | 0.000586 |
| Cyanobacteria | 0.001533 | 0.00368 |
| Tenericutes | 0.003187 | 0.006067 |
| Elusimicrobia | 0.003539 | 0.006067 |
| Firmicutes | 0.034657 | 0.049324 |
| Spirochaetes | 0.036993 | 0.049324 |

**Supplementary Table 3:** Comparison of microbial communities at the phylum level based on MetagenomeSeq analysis. FDR adjusted p-value < 0.001