Table S4: Alpha-diversity of ileum, cecum, and colon gut microbiota from pigs fed inulin

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| --- | --- | --- | --- | --- | --- |
| Taxanomic Level | Location | Diversity Index | Con | Inu | *P* |
| Phylum | Ileum | Chao1 | 6 | 7 | 0.66 |
| Phylum | Cecum | Chao1 | 8a | 7b | 0.02 |
| Phylum | Colon | Chao1 | 11 | 9 | 0.18 |
| Phylum | Ileum | Shannon | 0.2 | 0.2 | 0.92 |
| Phylum | Cecum | Shannon | 0.5 | 0.6 | 0.10 |
| Phylum | Colon | Shannon | 0.5 | 0.4 | 0.94 |
| Class | Ileum | Chao1 | 13 | 14 | 0.77 |
| Class | Cecum | Chao1 | 16a | 12b | <0.01 |
| Class | Colon | Chao1 | 17 | 14 | 0.17 |
| Class | Ileum | Shannon | 0.7 | 0.8 | 0.44 |
| Class | Cecum | Shannon | 1.0a | 1.3b | 0.01 |
| Class | Colon | Shannon | 1.3 | 1.2 | 0.77 |
| Order | Ileum | Chao1 | 20 | 20 | 0.76 |
| Order | Cecum | Chao1 | 19a | 14b | <0.01 |
| Order | Colon | Chao1 | 22 | 18 | 0.27 |
| Order | Ileum | Shannon | 0.8 | 0.8 | 0.39 |
| Order | Cecum | Shannon | 1.3b | 1.1a | 0.01 |
| Order | Colon | Shannon | 1.3 | 1.2 | 0.46 |
| Family | Ileum | Chao1 | 31 | 43 | 0.11 |
| Family | Cecum | Chao1 | 38a | 31b | 0.05 |
| Family | Colon | Chao1 | 39 | 40 | 0.47 |
| Family | Ileum | Shannon | 1.2 | 1.0 | 0.64 |
| Family | Cecum | Shannon | 2.0 | 1.9 | 0.30 |
| Family | Colon | Shannon | 2.1a | 1.9b | 0.04 |
| Genus | Ileum | Chao1 | 57 | 69 | 0.20 |
| Genus | Cecum | Chao1 | 81 | 73 | 0.07 |
| Genus | Colon | Chao1 | 84 | 84 | 0.60 |
| Genus | Ileum | Shannon | 1.2 | 1.0 | 0.64 |
| Genus | Cecum | Shannon | 2.8 | 2.9 | 0.78 |
| Genus | Colon | Shannon | 2.9 | 2.7 | 0.19 |

Values are median. *P*-values obtain from Kruskal-Wallis Test. Medians without a common letter differ (Student’s Test).