|  |  |  |  |
| --- | --- | --- | --- |
| **tissue** | **group** | | |
| ***duodenum*** | ***ad libitum*** | **F24h** | **F24hRF2h** |
| crypt depth (mm) | 0.15±0.010a | 0.16±0.003a | 0.18±0.005a |
| *m. externa* (mm) | 0.21±0.023a | 0.19±0.002a | 0.21±0.005a |
| villus area (mm2) | 0.13±0.013a | 0.11±0.027a | 0.16±0.019a |
| villus length (mm) | 0.74±0.053a | 0.73±0.058a | 0.74±0.063a |
| ***jejunum*** |  |  |  |
| crypt depth (mm) | 0.13±0.003a | 0.12±0.006a | 0.13±0.008a |
| *m. externa* (mm) | 0.14±0.001a | 0.15±0.005a | 0.13±0.008a |
| villus area (mm2) | 0.14±0.008a | 0.11±0.003a | 0.12±0.015a |
| villus length (mm) | 1.00±0.091a | 0.74±0.075a | 0.87±0.091a |
| ***ileum*** |  |  |  |
| crypt depth (mm) | 0.09±0.002a | 0.09±0.004a | 0.10±0.004a |
| *m. externa* (mm) | 0.15±0.003a | 0.15±0.002a | 0.16±0.012a |
| villus area (mm2) | 0.06±0.002a | 0.06±0.004ab | 0.09±0.002b |
| villus length (mm) | 0.66±0.109a | 0.58±0.054a | 0.63±0.023a |

a-bGroup means with the same letter are not significantly different (*P* > 0.05). Data represent mean ± SEM (n = 3 biological replicate in each group, a single data point was obtained by averaging the 25 technical measurements from each biological replicate).