**Supplemental data**

**Supplemental Table 1.** Endogenous flow of amino acid and nitrogen in the digestive tract 6 hours after ingestion of a 4 g protein-free meal 1

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | | Stomach (mg) | | Ileum (mg) | | Cecum (mg) | |
| Mean | SD | Mean | SD | Mean | SD |
| Alanine | 0.83 | 0.57 | 0.31 | 0.17 | 2.12 | 0.58 |
| Arginine | 1.26 | 1.07 | 0.26 | 0.11 | 1.76 | 0.39 |
| Aspartic acid | 1.68 | 1.15 | 0.62 | 0.29 | 4.18 | 1.03 |
| Glutamic acid | 2.75 | 1.99 | 0.75 | 0.33 | 4.77 | 1.01 |
| Histidine | 0.35 | 0.22 | 0.11 | 0.05 | 0.71 | 0.14 |
| Isoleucine | 0.71 | 0.50 | 0.20 | 0.09 | 1.46 | 0.31 |
| Leucine | 1.46 | 1.14 | 0.35 | 0.15 | 2.43 | 0.51 |
| Lysine | 0.72 | 0.18 | 0.30 | 0.14 | 2.09 | 0.50 |
| Methionine | 0.31 | 0.19 | 0.09 | 0.04 | 0.86 | 0.29 |
| Cysteine | 1.21 | 0.92 | 0.19 | 0.09 | 1.36 | 0.44 |
| Phenylalanine | 0.76 | 0.55 | 0.19 | 0.08 | 1.37 | 0.28 |
| Serine | 1.50 | 1.20 | 0.34 | 0.15 | 1.58 | 0.34 |
| Tyrosine | 0.80 | 0.67 | 0.18 | 0.08 | 1.28 | 0.30 |
| Threonine | 0.97 | 0.64 | 0.39 | 0.18 | 1.94 | 0.39 |
| Valine | 0.98 | 0.65 | 0.30 | 0.13 | 2.05 | 0.40 |
| Nitrogen | | 3.43 | 2.35 | 1.17 | 0.58 | 7.12 | 1.54 |

SD, standard deviation

1 Values are means on 9 rats fed with a protein-free diet for 10 days prior to collection of digesta.