Supplementary Table S1. *Toasting time 🞨 diet processing method subclass means for the SID of CP and amino acids in growing pigs* 1

|  |  |  |  |
| --- | --- | --- | --- |
| Nutrient | Experimental diets | Pooled SE | *P-values* |
| Mash | Pelleted | Extruded |  |  |  |
| M-0 | M-60 | M-120 | P-0 | P-60 | P-120 | E-0 | E-60 | E-120 | TT | DP | TT🞨DP |
| CP | 69.3a | 68.5a | 59.4b | 68.9a | 70.5a | 68.3a | 74.2a | 72.3a | 66.5ab | 1.8 | <0.001 | 0.002 | 0.07 |
| *Indispensable AA* |  |  |  |  |  |  |  |  |  |  |  |
|  Arg | 81.4bc | 82.0ab | 75.7c | 82.4ab | 83.9ab | 84.1ab | 87.9a | 86.3ab | 83.8ab | 1.3 | 0.01 | <0.001 | 0.02 |
|  His | 79.5 | 78.1 | 71.9 | 83.1 | 80.9 | 78.8 | 86.7 | 83.2 | 80.3 | 1.1 | <0.001 | <0.001 | 0.26 |
|  Ile | 70.4c | 74.1abc | 69.1c | 74.6abc | 78.8a | 76.6ab | 77.2ab | 74.0abc | 72.4bc | 1.4 | 0.03 | <0.001 | 0.02 |
|  Leu | 73.1c | 77.3abc | 72.5c | 77.5abc | 81.8a | 80.3ab | 79.9ab | 77.1abc | 75.9bc | 1.3 | 0.03 | <0.001 | 0.01 |
|  Lys | 76.2 | 70.6 | 60.0 | 78.3 | 75.0 | 68.6 | 80.7 | 75.0 | 68.1 | 1.6 | <0.001 | <0.001 | 0.28 |
|  Met | 85.5cd | 87.0bcd | 83.5d | 88.1abc | 91.6a | 89.3abc | 90.8ab | 87.8abcd | 88.0abc | 1.0 | 0.05 | <0.001 | 0.01 |
|  Phe | 79.1b | 83.5ab | 78.5b | 84.0ab | 88.5a | 86.0a | 88.3a | 85.1a | 83.9ab | 1.3 | 0.02 | <0.001 | 0.01 |
|  Thr | 64.1ab | 65.2a | 57.0b | 64.8ab | 69.3a | 66.6a | 68.6a | 66.0a | 62.4ab | 1.8 | 0.002 | 0.003 | 0.04 |
|  Trp | 69.9 | 71.6 | 69.2 | 73.9 | 78.7 | 76.5 | 78.7 | 76.5 | 75.0 | 1.9 | 0.36 | <0.001 | 0.34 |
|  Val | 68.4 | 68.3 | 63.3 | 70.6 | 74.5 | 71.5 | 72.4 | 71.9 | 69.5 | 1.5 | 0.02 | <0.001 | 0.27 |
| *Dispensable AA* |  |  |  |  |  |  |  |  |  |  |  |
|  Ala | 71.8bc | 75.5ab | 68.2c | 74.6abc | 77.9ab | 76.1ab | 79.0a | 75.8ab | 73.3abc | 1.5 | 0.005 | <0.001 | 0.02 |
|  Asp | 69.9 | 69.3 | 60.4 | 73.2 | 74.3 | 69.6 | 77.4 | 72.6 | 68.1 | 1.7 | <0.001 | <0.001 | 0.16 |
|  Cys | 70.7 | 70.4 | 59.6 | 76.0 | 75.3 | 70.1 | 73.1 | 71.1 | 67.6 | 2.3 | <0.001 | <0.001 | 0.37 |
|  Glu | 82.6 | 82.5 | 75.9 | 86.1 | 87.1 | 83.5 | 88.2 | 86.8 | 84.2 | 1.3 | <0.001 | <0.001 | 0.37 |
|  Gly | 51.9ab | 59.1ab | 39.2b | 50.3ab | 49.1ab | 58.5ab | 63.1ab | 64.6a | 53.1ab | 5.2 | 0.19 | 0.04 | 0.04 |
|  Pro | 69.2a | 59.3ab | 40.4ab | 27.8b | 32.6ab | 48.7ab | 52.6ab | 57.3ab | 37.9ab | 8.7 | 0.44 | 0.01 | 0.03 |
|  Ser | 66.6ab | 70.5a | 62.5b | 68.7ab | 73.2a | 71.1a | 74.1a | 71.1a | 67.5ab | 1.7 | 0.002 | 0.001 | 0.02 |
|  Tyr | 68.6 | 72.7 | 66.2 | 72.1 | 76.3 | 74.6 | 78.4 | 76.8 | 73.3 | 1.9 | 0.03 | <0.001 | 0.15 |

a–d Means with different superscript letters within a row represent significant differences (*P* < 0.05).

1 Abbreviations: SID = standardized ileal digestibility; M = mash; P = pelleted; E = extruded; TT = toasting time; DP = diet processing.