**Supplementary materials**

Table 1. Two-way analysis of variance of food intake, food and protein efficiency, rate of growth, body weight, and body composition of rats fed treatment diets

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| *P*-value | Food intake | Food efficiency | Protein efficiency | Rate of growth | Body weight | FM | LM |
| Effect |  |  |  |  |  |  |  |
| Formulation | 0.5 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | 0.02 | 0.03 |
| Drying | 0.4 | 0.3 | 0.3 | 0.2 | 0.3 | 0.4 | 0.4 |
| Interaction | 0.3 | 0.8 | 0.8 | 0.2 | 0.2 | 0.01 | 0.01 |

LM, lean mass. FM, fat mass

Table 2. Two-way analysis of variance of muscle, liver and adipose tissues (peri-renal and sub-cutaneous) weights of rats fed treatment diets

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| *P*-value | *Plantaris* | *Soleus* | *Tibialis* | Liver | PAT | SAT |
| Effect |  |  |  |  |  |  |
| Formulation | < 0.01 | < 0.01 | < 0.01 | < 0.01 | 0.01 | 0.6 |
| Drying | 0.2 | 0.2 | 0.4 | 1 | 0.3 | 0.7 |
| Interaction | 0.5 | 0.9 | 0.3 | 0.9 | 0.06 | 0.1 |

PAT, peri-renal adipose tissue. SAT, subcutaneous adipose tissue.

Table 3. Two-way analysis of variance of protein composition of muscles (*soleus, tibialis, plantaris*) and liver of rats fed treatment diets

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| *P*-value | *Soleus* | *Tibialis* | *Plantaris* | Liver |
| Effect |  |  |  |  |
| Formulation | 0.9 | 0.9 | 0.01 | 0.7 |
| Drying | 0.5 | 0.2 | 0.8 | 0.3 |
| Interaction | 0.4 | 0.8 | 0.6 | 0.5 |

Table 4. Two-way analysis of variance of protein quality of treatment diets

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| *P*-value | FN /NI | UN /NI | ATTD | CFD | NPU | BV |
| Effect |  |  |  |  |  |  |
| Formulation | < 0.01 | < 0.01 | < 0.01 | 0.5 | < 0.01 | < 0.01 |
| Drying | 0.08 | 0.4 | 0.08 | 0.06 | 0.8 | 0.9 |
| Interaction | 0.1 | 0.06 | 0.1 | 0.4 | 0.2 | 0.1 |

FN, fecal nitrogen. NI, nitrogen intake. UN, urinary nitrogen. ATTD, apparent total tract digestibility. CFD, corrected fecal digestibility. NPU, net protein utilization. BV, biological value.

Table 5. Two-way analysis of variance of blood concentration of metabolic markers of rats fed treatment diets

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| *P*-value | Albumin | Total protein | Glucose | Cholesterol | Triglycerides | NEFA | Free glycerol |
| Effect |  |  |  |  |  |  |  |
| Formulation | < 0.01 | < 0.01 | 0.02 | < 0.01 | < 0.01 | 0.3 | 0.9 |
| Drying | 0.9 | 0.8 | 0.3 | 0.8 | 0.7 | 0.04 | 0.4 |
| Interaction | 0.8 | 0.5 | 0.6 | 0.8 | 0.9 | 0.4 | 0.9 |

Table 6. Two-way analysis of variance of plasma markers of rats fed treatment diets

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| *P*-value | Fibrinogen | Orosomucoid | MCP-1 | Insulin | Adiponectin | Leptin |
| Effect |  |  |  |  |  |  |
| Formulation | 0.5 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| Drying | 0.9 | 0.6 | 0.8 | 0.8 | < 0.01 | 0.6 |
| Interaction | 1 | 0.9 | 0.8 | 0.7 | 0.1 | 0.03 |

MCP-1, monocyte chemoattractant protein-1.