**Table S1.** Proximate composition and energy value (mean ± SD, *n* = 3) of the residual product (mixture of feeding substrate residues, excreta, and exuviae) from the *T. molitor* larvae’s growth process.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **S1-res** | **S2-res** | **S3-res** | **S4-res** | **S5-res** |
| Moisture (%) | 12.56 ± 0.31 a | 9.69 ± 0.44 b | 10.86 ± 0.14 ab | 11.60 ± 0.43 a | 11.80 ± 1.25 a |
| Protein (% DM) | 15.61 ± 0.40 b | 21.41 ± 2.00 a | 17.54 ± 1.05 ab | 12.69 ± 3.36 bc | 9.88 ± 1.76 c |
| Fat (% DM) | 0.62 ± 0.04 d | 2.74 ± 0.48 c | 2.75 ± 0.29 c | 5.53 ± 1.21 b | 10.84 ± 0.56 a |
| Fiber (% DM) | 1.41 ± 0.19 c | 19.01 ± 1.30 b | 28.25 ± 3.85 ab | 38.49 ± 3.12 a | 32.18 ± 8.41 a |
| NFE (% DM) | 81.20 ± 0.65 a | 47.76 ± 2.94 b | 42.48 ± 3.18 bc | 37.58 ± 2.61 c | 41.18 ± 6.76 bc |
| Ash (% DM) | 1.16 ± 0.05 c | 9.07 ± 0.39 a | 8.99 ± 0.67 a | 5.70 ± 0.71 b | 5.92 ± 0.69 b |
| Energy content (kcal/100 g DM) | 396 ± 0 a | 339 ± 6 c | 321 ± 8 c | 328 ± 10 c | 366 ± 16 b |

Original feeding substrates were (% *w*/*w*): S1 organic wheat flour (100); S2 middlings (100); S3 middlings (75) + olive pomace (25); S4 middlings (50) + olive pomace (50); S5 middlings (25) + olive pomace (75). Values in a row with different letters are significantly different (Tukey test, *p* < 0.05).