

Proximate composition

% Composition of Dry Weight	SCG0	SCG10	SCG25
Crude protein	32.59 ± 0.43 ^{a,c}	47.34 ± 0.17 ^a	42.65 ± 0.26 ^a
Crude fat	22.77 ± 1.29 ^a	20.2 ± 1.07 ^a	21.93 ± 1.55 ^a
Carbohydrates	25.72 ± 0.04 ^b	13.41 ± 0.77 ^c	19.42 ± 0.21 ^b
Crude ash	1.89 ± 0.07 ^c	3.51 ± 0.04 ^a	2.44 ± 0.03 ^b
Energy (kcal/100 g)	438.17 ± 13.49 ^a	424.8 ± 13.39 ^a	445.65 ± 15.83 ^a

* Within each line, statistically significant differences ($p < 0.05$) are denoted with different superscript letters (e.g., a-c).

Table 2. Proximate composition of *Tenebrio molitor* larvae fed for eight weeks with wheat bran (control) (SCG0) and bran fortified with different rates SCGs 10% (SCG10), and 25% (SCG25)) (n = 9).

Fatty acid (%)	SCG0	SCG10	SCG25
C12:0	0.08 ± 0 b,*	0.1 ± 0 a	nd **
C14:0	2.06 ± 0.08 b	2.77 ± 0.19 a	2.26 ± 0.06 b
C16:0	19.3 ± 1.37 a	18.94 ± 0.53 a	20.99 ± 1.26 a
C18:0	0.21 ± 0.01 b	0.73 ± 0.01 a	nd
C18:1	23.98 ± 1.39 b	24.83 ± 1.86 b	34.98 ± 1.64 a
C18:2 (ω-6)	53.87 ± 4.04 a	52.67 ± 3.53 a	40.88 ± 1.92 b
C26:0	0.50 ± 0.03 b	0.45 ± 0.03 b	0.78 ± 0.02 a
Σ SFA 1	22.15 ± 1.49 a	22.5 ± 0.76 a	24.13 ± 1.34 a
Σ MUFA 2	23.98 ± 1.39 b	24.83 ± 1.86 b	34.98 ± 1.64 a
Σ PUFA 3	53.87 ± 4.04 a	52.67 ± 3.53 a	40.88 ± 1.92 b
Σ UFA 4	77.85 ± 5.43 a	77.5 ± 5.39 a	75.87 ± 3.57 a
PUFA:SFA ratio	2.43 ± 0.02 a	2.34 ± 0.08 a	1.69 ± 0.01 b
MUFA:PUFA ratio	0.45 ± 0.01 c	0.47 ± 0 b	0.86 ± 0 a
COX 5	5.79 ± 0.43 a	5.67 ± 0.38 a	4.56 ± 0.21 b
IA 6	0.35 ± 0 b	0.39 ± 0.01 a	0.4 ± 0 a
IT 7	0.55 ± 0 b	0.57 ± 0.02 b	0.62 ± 0.01 a
HH 8	3.63 ± 0.01 a	3.55 ± 0.13 a	3.25 ± 0.03 b
HPI 9	2.82 ± 0.02 a	2.57 ± 0.07 b	2.49 ± 0.01 b

Table 3. Fatty acid composition of *Tenebrio molitor* larvae fed for eight weeks with wheat bran (control) (SCG0) and bran fortified with different rates SCGs 10% (SCG10), and 25% (SCG25)) (n = 9).

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