Table 5. Stepwise multiple regression of body weight on the original body measurements and on their principal components.

Traits	Models	R^2	SE
I. *Multiple regression:*			
Orthogonal traits as independent Variables			
Body length (BL12) Thigh circumference (TC12) Head length (HL12)	BW12 = -1.168 + 0.046 BL12 + 0.091TC12 + 0.003HL12	0.745	0.14
II. *Stepwise multiple regression*:			
Original body measurements as independent Variables			
Thigh circumference (TC12)	BW12 = -0.475 + 0.148 TC12	0.745	0.14
Thigh circumference (TC12) Body length (BL12)	BW12 = -1.157 + 0.092 TC12 + 0.046 BL12	0.833	0.11
III. *Orthogonal traits as independent Variables:*			
PC1	BW12 = 1.171 + 0.243 PC1	0.767	0.13

PC = principal component; R^2 = coefficient of determination; PC1 principal component.
Stepwise (Criteria: Probability-of-F-to-enter < = .050, Probability-of-F-to-remove > = .100).