



The effect of population and form on wing size: results of ANOVA and MANOVA

Electronic supplementary material 2 to the article: M.A. Chursina & I.Ya. Grichanov. 2019. Analysis of the differences between *Syntormon pallipes* and *S. pseudospicatus* (Diptera: Dolichopodidae): morphological and molecular data. *Zoosystemica Rossica*, **28**(2): 305–316.

Results of ANOVA

Effect	Df	Type III Sum of Squares	MS	F	P
Population	6	2088	2088	52.95	< 0.0001
Form	1	14	14	0.35	0.5571
Individual	137	299833	4685	118.82	< 0.0001
Error	138	2563	39		

Df – degrees of freedom; MS – mean squares; F – F-criterion; P – significance.

Results of MANOVA

Effect	Wilk's lambda	F	Df num	Df den	P
Population	0.0494	15.75	24	108.00	< 0.0001
Form	0.2758	11.81	12	54.00	< 0.0001
Individual	0.0000	16.42	768	685.02	< 0.0001
Population× Form	0.3674	2.72	48	441.18	< 0.0001

Df num – degrees of freedom for the numerator; Df den – degrees of freedom for the denominator; F – F-criterion; P – significance.