

Procrustes distance between the two forms in the populations

Electronic supplementary material 4 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. *Zoosystematica Rossica*, **28**(2): 305–316.

Procrustes distance between the two forms in the populations

	1 a	1 b	2 a	2 b	3 a	3 b	4 a	4 b	5 a	6 a	7 a
1 b	0.0261										
2 a	0.0276	0.0287									
2 b	0.0259	0.0226	0.0191								
3 a	0.0359	0.0373	0.0148	0.0263							
3 b	0.0271	0.0184	0.0161	0.0181	0.0255						
4 a	0.0334	0.037	0.0239	0.0254	0.0173	0.0301					
4 b	0.0404	0.0382	0.0304	0.0308	0.0255	0.0343	0.02				
5 a	0.026	0.0309	0.0214	0.0177	0.0232	0.0284	0.0167	0.0233			
6 a	0.0371	0.0257	0.0245	0.0173	0.0306	0.0225	0.0335	0.0332	0.0263		
7 a	0.0362	0.0341	0.0248	0.0221	0.0279	0.0237	0.0343	0.0405	0.0313	0.0223	
7 b	0.0298	0.0182	0.0214	0.0162	0.0288	0.0185	0.0277	0.0288	0.0208	0.0155	0.0292

1 – White Sea; 2 – Bulgaria; 3 – Crimea; 4 – Tajikistan, Dushanbe; 5 – Tajikistan, Kondara; 6 – Finland; 7 – Estonia; a – *Syntormon pallipes*; b – *S. pseudospicatus*.

P-values from permutation tests (10000 permutation rounds) for Procrustes distances between the two forms in the populations

	1 a	1 b	2 a	2 b	3 a	3 b	4 a	4 b	5 a	6 a	7 a
1 b	0.1470										
2 a	0.0277	0.0071									
2 b	0.1350	0.0062	0.0538								
3 a	0.0124	0.0007	0.1767	0.0037							
3 b	0.0142	0.0120	0.0298	0.0113	<0.001						
4 a	0.0197	<0.001	0.0017	<0.001	0.0686	<0.001					
4 b	0.3288	0.0291	0.0547	0.0645	0.2516	0.0027	0.3996				
5 a	0.0570	<0.001	0.0015	<0.001	0.0013	<0.001	<.0001	0.1095			
6 a	0.0265	0.0053	0.0025	0.0579	0.0010	0.0006	<.0001	0.0312	<0.001		
7 a	0.3288	0.0367	0.0668	0.2863	0.0390	0.0244	0.0234	0.3302	0.0068	0.0794	
7 b	0.1007	0.3071	0.0623	0.3946	0.0586	0.0760	0.0175	0.0659	0.0606	0.2163	0.1044

1–7, a–b, as above.