

Table S3. Ecological niche comparisons for species of *Merodon ruficornis* group. Niche overlap values are presented for the comparisons of niche identity and similarity of species A with species B.

<i>Merodon</i> species		Niche overlap (D index)	Identity test	Background test	
A	B			A vs. B	B vs. A
Cluster 1					
<i>abruzzensis</i>	<i>lamellatus</i>	0.10087	MD**	LS*	LS**
<i>ruficornis</i>	<i>abruzzensis</i>	0.442403	MD**	NS	NS
<i>ruficornis</i>	<i>lamellatus</i>	0.162281	MD**	NS	MS**
Cluster 2					
<i>alexandri</i>	<i>ponticus</i>	0.186528	MD**	LS*	LS**
<i>auripes</i>	<i>alexandri</i>	0.177077	MD**	MS**	MS**
<i>auripes</i>	<i>ponticus</i>	0.329564	MD**	NS	NS
Cluster 3					
<i>gallicus</i>	<i>trebevicensis</i>	0.543734	MD**	MS**	MS**
<i>hoplitis</i>	<i>gallicus</i>	0.404006	MD**	NS	MS**
<i>hoplitis</i>	<i>trebevicensis</i>	0.346727	MD**	MS*	MS**
Cluster 4					
<i>loewi</i>	<i>turcicus</i>	0.43129	MD**	LS**	NS
<i>ovaloides</i>	<i>loewi</i>	0.442685	MD**	MS**	NS
<i>ovaloides</i>	<i>turcicus</i>	0.55017	NS	MS**	NS

*, **The ecological niches are significantly (*p≤ 0.05, **p≤ 0.01) more similar or different than expected by chance, MD- More different, MS- More Similar, LS- Less similar, NS-not significant.