

Supplementary material to the article

Urban individuals of three rove beetle species are not more exploratory or risk-taking than rural conspecifics

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Figure S1. Silhouette plots to identify possible groupings of the behavioural measures for *Abemus chloropterus* (A), *Ocypus nitens* (B) and *Platydracus fulvipes* (C).

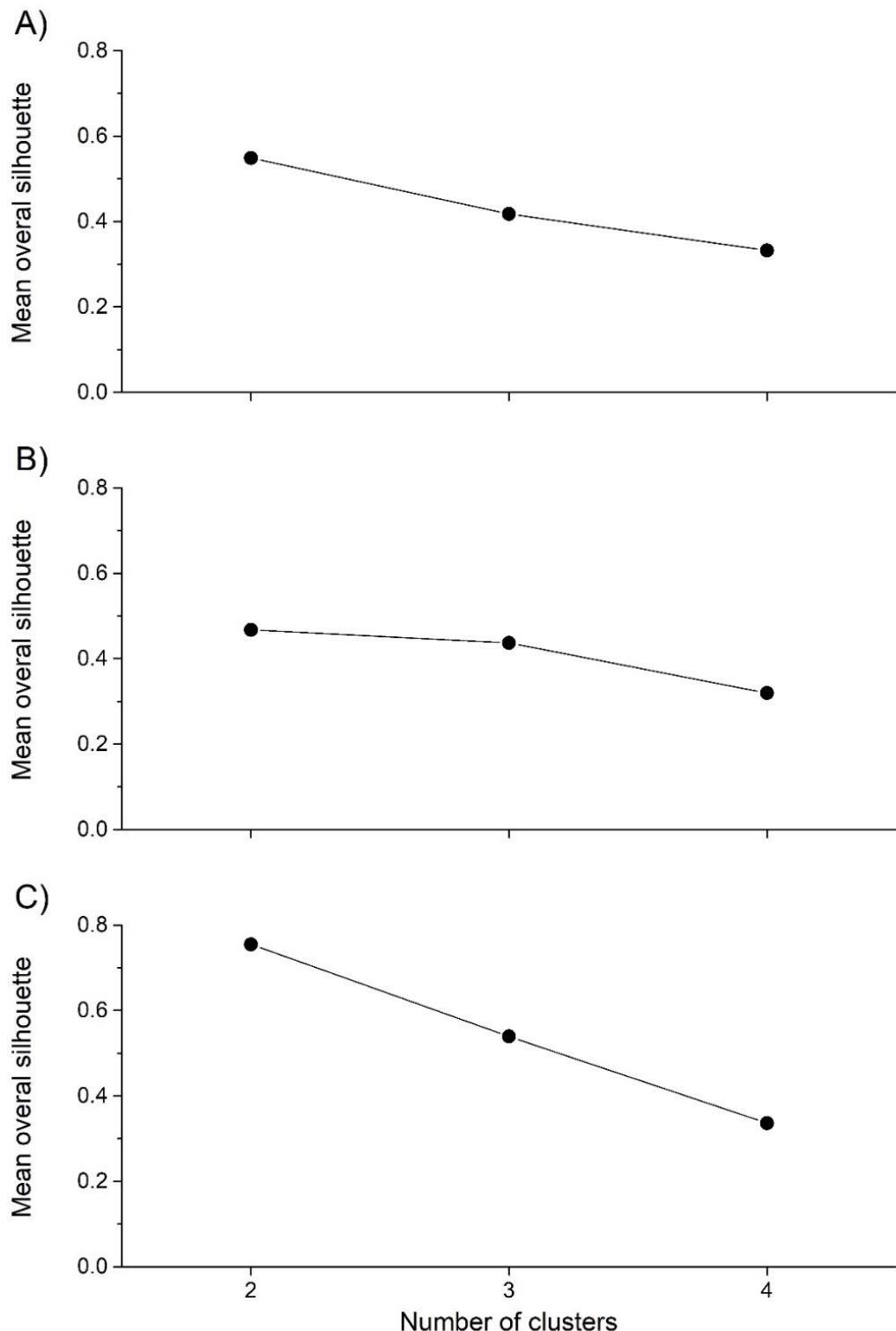


Table S1. Spearman correlations between the tested behavioural measures (average of the two trials for each measure) in the three tested rove beetle species collected in rural and urban habitats. Values in bold denote significant ($p < 0.05$) correlations.

<i>Abemus chloropterus</i>	No. squares visited	No. inner squares visited	Time to wall	Escape duration	Escape distance
No. squares visited	1.0000	0.3634	-0.4585	-0.0039	-0.0153
No. inner squares visited	0.3634	1.0000	0.1915	-0.1582	-0.1036
Time to wall	-0.4585	0.1915	1.0000	-0.2473	-0.1216
Escape duration	-0.0039	-0.1582	-0.2473	1.0000	0.8621
Escape distance	-0.0153	-0.1036	-0.1216	0.8621	1.0000
<i>Ocyphus nitens</i>	No. squares visited	Inner square visit	Time to wall	Escape duration	Escape distance
No. squares visited	1.0000	0.5251	-0.3492	0.2239	0.3375
No. inner squares visited	0.5251	1.0000	-0.1670	-0.0576	0.0136
Time to wall	-0.3492	-0.1670	1.0000	-0.2831	-0.3733
Escape duration	0.2239	-0.0576	-0.2831	1.0000	0.8839
Escape distance	0.3375	0.0136	0.3733	0.8839	1.0000
<i>Platydracus fulvipes</i>	No. squares visited	Inner square visit	Time to wall	Escape duration	Escape distance
No. squares visited	1.0000	0.6910	-0.8244	0.1706	0.1455
No. inner squares visited	0.6910	1.0000	-0.5375	0.1135	0.0065
Time to wall	-0.8244	-0.5375	1.0000	-0.1431	-0.1005
Escape duration	0.1706	0.1135	-0.1431	1.0000	0.8340
Escape distance	0.1455	0.0065	-0.1005	0.8340	1.0000

Table S2. Mean \pm SE values of the studied behavioural measures of the rural and urban rove beetles.

	No. squares visited	No. inner squares visited	Time to wall	Escape duration	Escape distance
<i>Abemus chloropterus</i>					
Rural females	19.00 \pm 3.78	4.17 \pm 0.73	20.95 \pm 9.33	4.89 \pm 3.12	4.75 \pm 1.56
Rural males	19.13 \pm 1.67	6.11 \pm 0.64	9.68 \pm 2.45	3.30 \pm 0.91	3.71 \pm 0.50
Urban females	15.60 \pm 1.57	4.53 \pm 0.47	14.11 \pm 4.08	1.90 \pm 0.73	2.90 \pm 0.47
Urban males	15.25 \pm 0.89	4.79 \pm 0.32	22.89 \pm 3.50	1.73 \pm 0.41	2.78 \pm 0.27
<i>Ocyphus nitens</i>					
Rural females	22.71 \pm 4.04	5.25 \pm 0.81	30.03 \pm 7.44	1.93 \pm 0.67	3.42 \pm 0.59
Rural males	29.55 \pm 2.39	5.65 \pm 0.51	9.28 \pm 2.65	1.97 \pm 0.49	4.02 \pm 0.52
Urban females	11.67 \pm 3.72	3.67 \pm 1.05	35.70 \pm 17.18	1.02 \pm 0.46	3.00 \pm 1.24
Urban males	29.60 \pm 2.07	5.95 \pm 0.43	12.36 \pm 2.06	3.00 \pm 0.68	4.46 \pm 0.49
<i>Platydracus fulvipes</i>					
Rural females	11.95 \pm 2.69	4.35 \pm 0.64	36.78 \pm 7.66	1.11 \pm 0.33	2.85 \pm 0.41
Rural males	16.42 \pm 1.93	3.98 \pm 0.41	37.93 \pm 4.63	1.95 \pm 0.65	3.80 \pm 0.43
Urban females	5.90 \pm 1.60	3.20 \pm 0.61	51.51 \pm 13.14	1.30 \pm 0.45	4.60 \pm 1.37
Urban males	16.56 \pm 2.00	4.06 \pm 0.38	37.50 \pm 4.30	1.93 \pm 0.39	4.50 \pm 0.42