

Nest-box location determines the exposure of the host to ectoparasites

Appendix 1.

Additional tables

Table A1.1. Results of CCA analyses on the occurrence of ectoparasites of the European roller at the infracommunity level during the three study years.

	2016			2017			2018		
	Inertia	Proportion	Rank	Inertia	Proportion	Rank	Inertia	Proportion	Rank
Total	1.42	1.00		1.80	1.00		1.39	1.00	
Constrained	0.40	0.28	2	0.43	0.24	3	0.36	0.26	2
Unconstrained	1.03	0.72	6	1.37	0.76	6	1.03	0.74	6

Permutation tests for CCAs under reduced models.

	2016				2017				2018			
	df	χ^2	F	Pr(>F)	df	χ^2	F	Pr(>F)	df	χ^2	F	Pr(>F)
CCA1	1	0.30	7.82	0.001	1	0.30	7.02	0.001	1	0.30	9.77	0.001
CCA2	1	0.10	2.62	0.020	1	0.10	2.27	0.126	1	0.05	1.64	0.151
CCA3	-	-	-	-	1	0.03	0.76	0.624	-	-	-	-
Residual	27	1.03			32	1.37			33	1.03		

Table A1.2. Results of RDA analyses on the abundance of ectoparasites of the European roller at the infracommunity level during the three study years.

	2016			2017			2018		
	Inertia	Proportion	Rank	Inertia	Proportion	Rank	Inertia	Proportion	Rank
Total	0.22	1.00		0.20	1.00		0.20	1.00	
Constrained	0.08	0.36	3	0.05	0.23	3	0.06	0.29	3
Unconstrained	0.14	0.64	4	0.16	0.77	4	0.15	0.71	4

Permutation tests for RDAs under reduced models.

	2016				2017				2018			
	df	Variance	F	Pr(>F)	df	Variance	F	Pr(>F)	df	Variance	F	Pr(>F)
RDA1	1	0.06	10.03	0.001	1	0.03	5.26	0.006	1	0.05	10.26	0.001
RDA2	1	0.02	3.77	0.027	1	0.02	3.20	0.036	1	0.01	2.70	0.090
RDA3	1	<0.01	0.16	0.952	1	0.01	1.15	0.327	1	<0.01	0.08	0.989
Residual	25	0.14			32	0.15			32	0.15		