

Supplementary file S2: Additional figures and tables

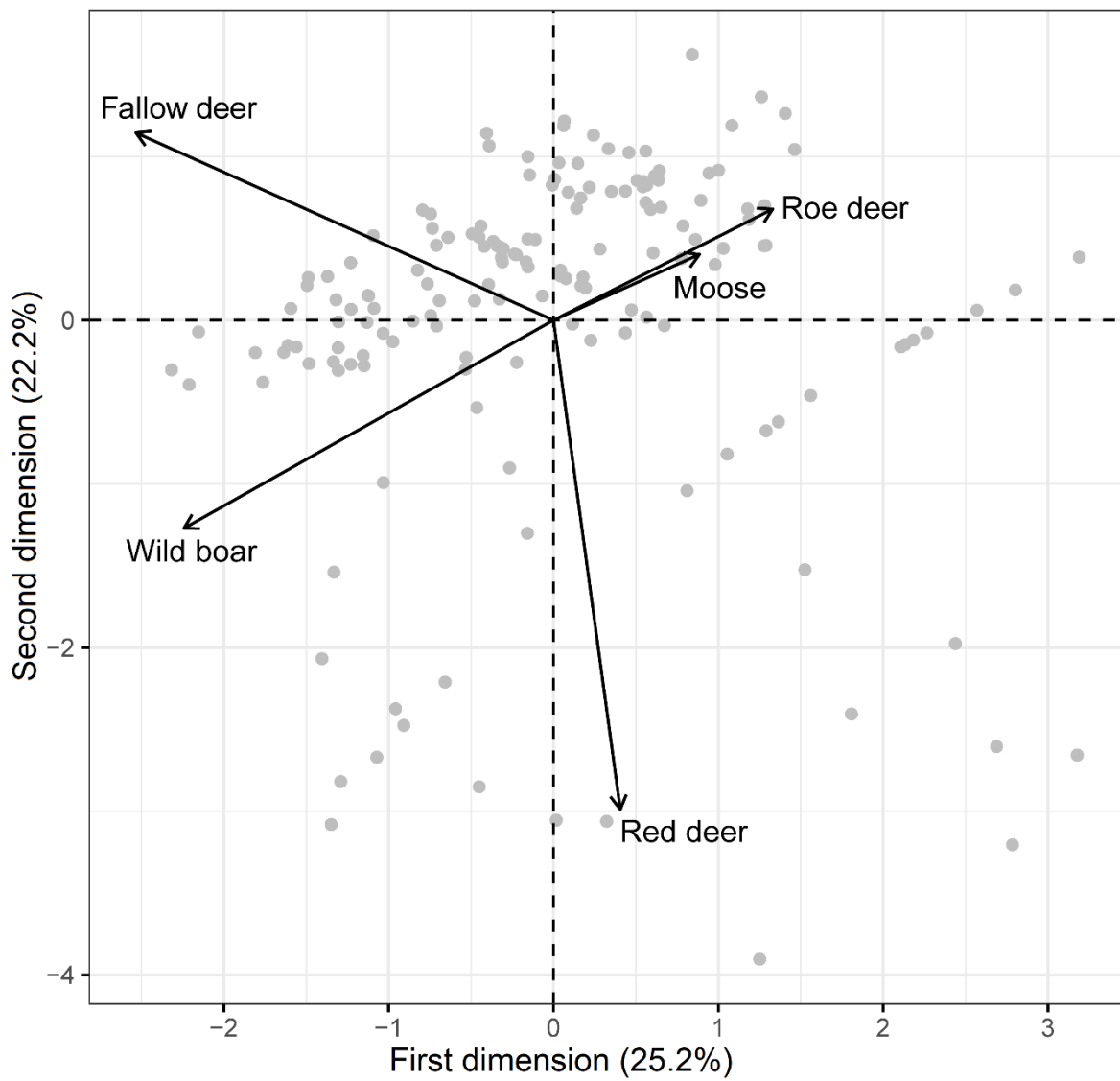


Figure B.1. Plotted PCA ordination to visualize the unguulate community composition in our study area in Södermanland county in Central Sweden. Each dot represents a sampling point.

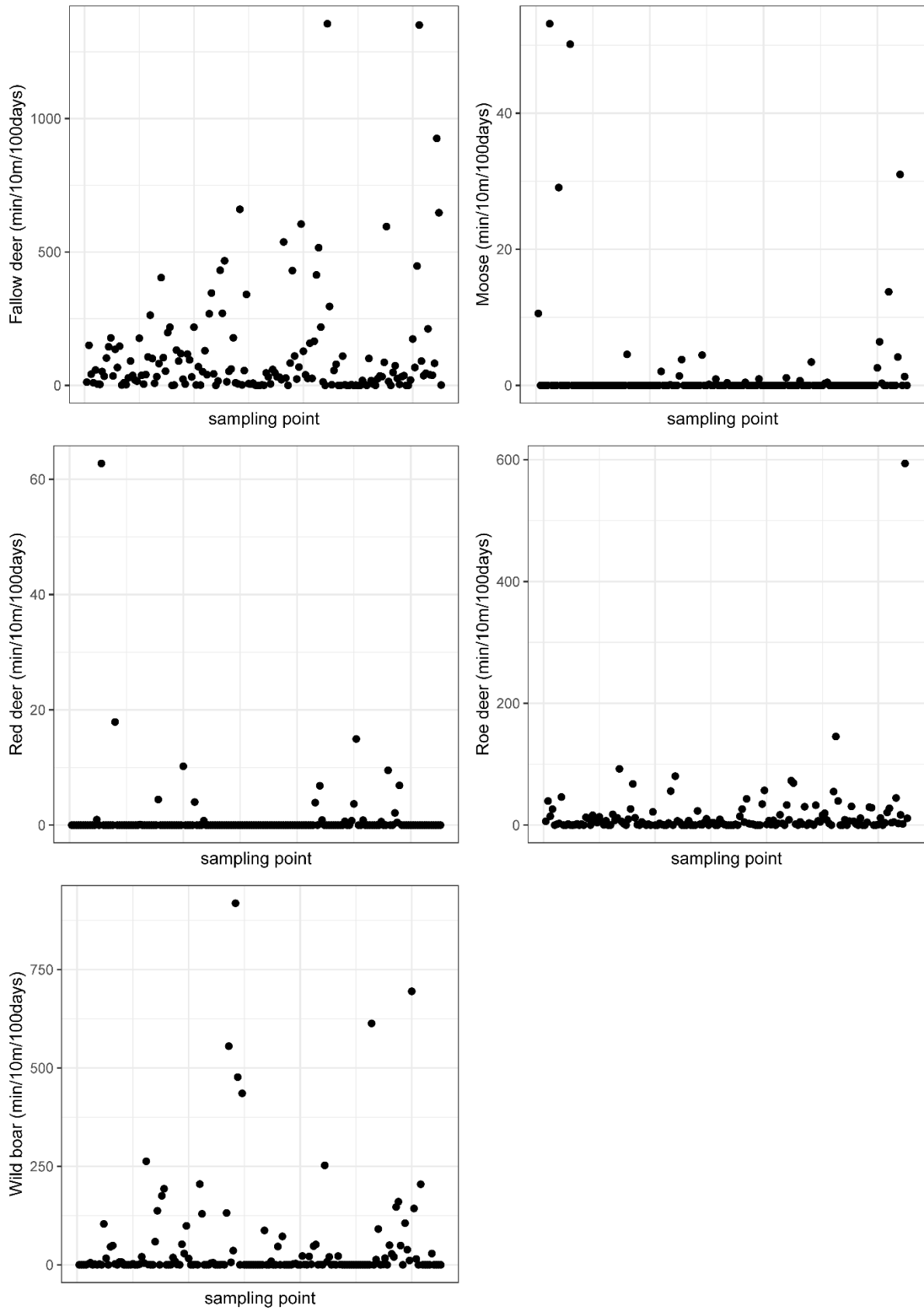


Figure B.2. Visitation frequencies of five ungulate species per sampling point. Note that the y-axes on the different panels differ.

Table B.1A. Standardized model estimates with 95% confidence intervals for the analysis of the association between the mean height of the field layer and ungulate visitation frequencies, for all species separate. Models presented are the best performing GLMMs with a gaussian distribution. The final model selected on which interpretations were based is highlighted in bold. M = model.

		<i>Intercept</i>	<i>Month (ref: May)</i>			<i>Fallow deer</i>	<i>Roe deer</i>	<i>Red deer</i>	<i>Moose</i>	<i>Wild boar</i>	ΔAIC
			<i>June</i>	<i>July</i>	<i>August</i>						
M1	Estimate	0.764	0.255	0.274	0.250	-0.040	0.023	-	-	-	0.00
	95% CI	Low.	0.696	0.165	0.142	0.161	-0.069	-0.006	-	-	
		Upp.	0.833	0.344	0.313	0.339	-0.011	0.053	-	-	
M2	Estimate	0.763	0.255	0.228	0.254	-0.040	-	-	-	-	0.14
	95% CI	Low.	0.694	0.165	0.141	0.164	-0.070	-	-	-	
		Upp.	0.832	0.346	0.314	0.343	-0.011	-	-	-	
M3	Estimate	0.763	0.258	0.233	0.246	-0.039	0.023	-	0.013	-	1.69
	95% CI	Low.	0.695	0.168	0.163	0.157	-0.068	-0.006	-0.018	-	
		Upp.	0.831	0.348	0.320	0.335	-0.010	0.052	-	0.043	
M4	Estimate	0.762	0.259	0.233	0.250	-0.039	-	-	0.013	-	1.75
	95% CI	Low.	0.693	0.168	0.146	0.160	-0.069	-	-0.018	-	
		Upp.	0.830	0.350	0.321	0.340	-0.010	-	-	0.044	
M5	Estimate	0.765	0.253	0.271	0.248	-0.042	0.024	-0.012	-	-	1.77
	95% CI	Low.	0.697	0.163	0.141	0.160	-0.072	-0.005	-0.041	-	
		Upp.	0.833	0.343	0.313	0.337	-0.013	0.053	0.018	-	
M6	Estimate	0.764	0.254	0.227	0.253	-0.043	-	-0.011	-	-	1.96
	95% CI	Low.	0.695	0.163	0.141	0.163	-0.073	-	-0.041	-	
		Upp.	0.833	0.345	0.314	0.342	-0.013	-	0.019	-	
M7	Estimate	0.764	0.255	0.279	0.250	-0.040	0.023	-	-	0.001	2.35
	95% CI	Low.	0.696	0.165	0.141	0.160	-0.069	-0.006	-	-0.028	
		Upp.	0.833	0.345	0.314	0.341	-0.011	0.053	-	0.031	
M8	Estimate	0.763	0.255	0.274	0.253	-0.040	-	-	-	-0.001	2.44
	95% CI	Low.	0.694	0.164	0.140	0.162	-0.070	-	-	-0.031	
		Upp.	0.833	0.346	0.315	0.345	-0.011	-	-	0.029	
M9	Estimate	0.753	0.272	0.245	0.250	-	-	-	-	-	3.33
	95% CI	Low.	0.678	0.180	0.153	0.156	-	-	-	-	
		Upp.	0.827	0.364	0.337	0.344	-	-	-	-	
M10	Estimate	0.754	0.271	0.244	0.247	-	0.023	-	-	-	3.40
	95% CI	Low.	0.681	0.180	0.153	0.154	-	-0.007	-	-	
		Upp.	0.828	0.362	0.335	0.341	-	0.052	-	-	
M11	Estimate	0.764	0.256	0.233	0.244	-0.041	0.024	-0.011	0.012	-	3.52
	95% CI	Low.	0.696	0.167	0.156	0.155	-0.071	-0.005	-0.041	-0.018	
		Upp.	0.832	0.346	0.319	0.333	-0.012	0.053	0.018	0.043	

Table B.1A. [Continued]

		Intercept	Month (ref: May)			Fallow deer	Roe deer	Red deer	Moose	Wild boar	ΔAIC	
			June	July	August							
M12	Estimate	0.762	0.257	0.233	0.248	-0.042	-	-0.011	0.013	-	3.63	
	95% CI	Low.	0.694	0.167	0.156	0.159	-0.072	-	-0.040	-0.018		-
		Upp.	0.831	0.348	0.320	0.338	-0.012	-	0.019	0.044		-

Table B.1B. Standardized model estimates with 95% confidence intervals for the analysis of the association between the mean height of the field layer and ungulate visitation frequencies, for the deer species summed. Models presented are the best performing GLMMs with a gaussian distribution. The final model selected on which interpretations were based is highlighted in bold. M = model.

		Intercept	Month (ref: May)			Deer	Wild boar	ΔAIC	
			June	July	August				
M1	Estimate	0.754	0.271	0.240	0.258	-0.032	-	0.00	
	95% CI	Low.	0.683	0.180	0.150	0.165	-0.064		-
		Upp.	0.825	0.362	0.329	0.351	0.001		-
M2	Estimate	0.753	0.272	0.245	0.250	-	-	1.32	
	95% CI	Low.	0.678	0.180	0.153	0.156	-		
		Upp.	0.827	0.364	0.337	0.345	-		
M3	Estimate	0.753	0.272	0.241	0.259	-0.032	0.003	2.29	
	95% CI	Low.	0.681	0.180	0.150	0.165	-0.064		-0.030
		Upp.	0.825	0.364	0.332	0.352	0.001		0.035
M4	Estimate	0.751	0.273	0.246	0.252	-	0.003	3.54	
	95% CI	Low.	0.676	0.180	0.153	0.157	-		-0.030
		Upp.	0.827	0.366	0.339	0.347	-		0.037

Table B.1C. Standardized model estimates with 95% confidence intervals for the analysis of the association between the mean height of the field layer and ungulate visitation frequencies, for all ungulate species summed. Models presented are the best performing GLMMs with a gaussian distribution. The final model selected on which interpretations were based is highlighted in bold. M = model.

		Intercept	Month (ref: May)			Ungulates	ΔAIC	
			June	July	August			
M1	Estimate	0.757	0.267	0.234	0.255	-0.035	0.00	
	95% CI	Low.	0.687	0.176	0.145	0.163		-0.068
		Upp.	0.828	0.358	0.324	0.347		-0.002
M2	Estimate	0.753	0.272	0.245	0.250	-	2.02	
	95% CI	Low.	0.678	0.180	0.153	0.156		-
		Upp.	0.827	0.364	0.337	0.345		-

Table B.2A. Standardized model estimates with 95% confidence intervals for the analysis of the association between the coefficient of variance of the mean height of the field layer and ungulate visitation frequencies, for all species separate. Models presented are the best performing GLMMs with a gaussian distribution. The final model selected on which interpretations were based is highlighted in bold. M = model.

		<i>Intercept</i>	<i>Month (ref: May)</i>			<i>Fallow deer</i>	<i>Roe deer</i>	<i>Red deer</i>	<i>Moose</i>	<i>Wild boar</i>	ΔAIC
			<i>June</i>	<i>July</i>	<i>August</i>						
M1	Estimate	1.802	-	-	-	0.022	-0.007	-0.017	-	-	0.00
	95% CI	Low. 1.777	-	-	-	-0.003	-0.028	-0.039	-	-	
	Upp. 1.828	-	-	-	0.046	0.015	0.005	-	-		
M2	Estimate	1.803	-	-	-	0.025	-0.007	-	-	-	0.01
	95% CI	Low. 1.776	-	-	-	0.001	-0.029	-	-	-	
	Upp. 1.829	-	-	-	0.049	0.014	-	-	-		
M3	Estimate	1.803	-	-	-	-	-0.006	-0.020	-	-	0.64
	95% CI	Low. 1.774	-	-	-	-	-0.027	-0.042	-	-	
	Upp. 1.832	-	-	-	-	0.016	0.002	-	-		
M4	Estimate	1.802	-	-	-	0.026	-0.008	-	-	-0.012	1.19
	95% CI	Low. 1.777	-	-	-	0.001	-0.029	-	-	-0.035	
	Upp. 1.828	-	-	-	0.050	0.014	-	-	0.010		
M5	Estimate	1.802	-	-	-	0.022	-0.007	-0.016	-	-0.011	1.45
	95% CI	Low. 1.777	-	-	-	-0.002	-0.029	-0.038	-	-0.033	
	Upp. 1.828	-	-	-	0.047	0.014	0.006	-	0.012		
M6	Estimate	1.803	-	-	-	-	-0.006	-	-	-	1.67
	95% CI	Low. 1.773	-	-	-	-	-0.028	-	-	-	
	Upp. 1.833	-	-	-	-	0.016	-	-	-		
M7	Estimate	1.803	-	-	-	-	-	-	-	-	1.78
	95% CI	Low. 1.773	-	-	-	-	-	-	-	-	
	Upp. 1.833	-	-	-	-	-	-	-	-		
M8	Estimate	1.803	-	-	-	0.021	-	-0.017	-	-	1.85
	95% CI	Low. 1.776	-	-	-	-0.003	-	-0.039	-	-	
	Upp. 1.829	-	-	-	0.046	-	0.005	-	-		
M9	Estimate	1.803	-	-	-	-	-0.006	-0.019	-	-0.010	2.14
	95% CI	Low. 1.774	-	-	-	-	-0.028	-0.041	-	-0.033	
	Upp. 1.832	-	-	-	-	0.015	0.003	-	0.013		
M10	Estimate	1.803	-	-	-	0.025	-0.007	-	-0.002	-	2.17
	95% CI	Low. 1.777	-	-	-	0.001	-0.029	-	-0.024	-	
	Upp. 1.829	-	-	-	0.049	0.014	-	0.020	-		
M11	Estimate	1.802	-	-	-	0.022	-0.007	-0.016	-0.002	-	2.20
	95% CI	Low. 1.777	-	-	-	-0.003	-0.028	-0.039	-0.024	-	
	Upp. 1.828	-	-	-	0.046	0.015	0.005	0.020	-		

Table B.2A. [Continued]

		<i>Intercept</i>	<i>Month (ref: May)</i>			<i>Fallow deer</i>	<i>Roe deer</i>	<i>Red deer</i>	<i>Moose</i>	<i>Wild boar</i>	Δ AIC
			<i>June</i>	<i>July</i>	<i>August</i>						
M12	Estimate	1.803	-	-	-	-	-0.006	-0.020	-	-	2.55
	95% CI Low.	1.774	-	-	-	-	-0.027	-0.042	-	-	
	Upp.	1.832	-	-	-	-	0.016	0.002	-	-	
M13	Estimate	1.768	0.018	0.060	0.044	0.022	-	-0.017	-	-	2.77
	95% CI Low.	1.715	-0.047	-0.005	-0.022	-0.002	-	-0.039	-	-	
	Upp.	1.821	0.083	0.124	0.111	0.047	-	0.004	-	-	
M14	Estimate	1.803	-	-	-	-	-	-0.020	-0.001	-	2.81
	95% CI Low.	1.774	-	-	-	-	-	-0.042	-0.023	-	
	Upp.	1.832	-	-	-	-	-	0.002	0.021	-	
M15	Estimate	1.767	0.021	0.059	0.046	0.026	-	-	-	-	2.86
	95% CI Low.	1.713	-0.045	-0.006	-0.021	0.001	-	-	-	-	
	Upp.	1.820	0.086	0.124	0.113	0.050	-	-	-	-	
M16	Estimate	1.803	-	-	-	-	-	-	-	-0.011	2.88
	95% CI Low.	1.772	-	-	-	-	-	-	-	-0.035	
	Upp.	1.833	-	-	-	-	-	-	-	0.012	
M17	Estimate	1.802	-	-	-	0.026	-0.008	-	-	-0.012	2.89
	95% CI Low.	1.777	-	-	-	0.001	-0.029	-	-	-0.035	
	Upp.	1.828	-	-	-	0.050	0.014	-	-	0.010	
M18	Estimate	1.802	-	-	-	0.022	-0.007	-0.016	-	-0.011	3.25
	95% CI Low.	1.777	-	-	-	-0.002	-0.029	-0.038	-	-0.033	
	Upp.	1.828	-	-	-	0.047	0.014	0.006	-	0.012	
M19	Estimate	1.802	-	-	-	0.025	-	-	-0.003	-0.012	3.37
	95% CI Low.	1.776	-	-	-	0.001	-	-	-0.025	-0.034	
	Upp.	1.829	-	-	-	0.050	-	-	0.020	0.011	
M20	Estimate	1.770	0.013	0.055	0.046	-	-	-0.021	-	-	3.49
	95% CI Low.	1.715	-0.052	-0.010	-0.021	-	-	-0.042	-	-	
	Upp.	1.825	0.078	0.121	0.113	-	-	0.001	-	-	
M21	Estimate	1.803	-	-	-	-	-0.006	-	-	-	3.51
	95% CI Low.	1.773	-	-	-	-	-0.028	-	-	-	
	Upp.	1.834	-	-	-	-	0.016	-	-	-	
M22	Estimate	1.802	-	-	-	0.022	-	-0.016	-0.003	-0.010	3.66
	95% CI Low.	1.777	-	-	-	-0.003	-	-0.038	-0.025	-0.033	
	Upp.	1.828	-	-	-	0.047	-	0.006	0.019	0.012	

Table B.2A. [Continued]

		Intercept	Month (ref: May)			Fallow deer	Roe deer	Red deer	Moose	Wild boar	ΔAIC
			June	July	August						
M23	Estimate	1.803	-	-	-	-	-	-	-0.001	-	3.81
	95% CI	Low.	1.773	-	-	-	-	-	-0.023	-	
		Upp.	1.833	-	-	-	-	-	0.021	-	
M24	Estimate	1.803	-	-	-	0.025	-0.007	-	-0.002	-	3.98
	95% CI	Low.	1.777	-	-	0.001	-0.029	-	-0.024	-	
		Upp.	1.829	-	-	-	0.049	0.014	-	0.020	

Table B.2B. Standardized model estimates with 95% confidence intervals for the analysis of the association between the coefficient of variance of the mean height of the field layer and ungulate visitation frequencies, for the deer species summed. Models presented are the best performing GLMMs with a gaussian distribution. The final model selected on which interpretations were based is highlighted in bold. M = model.

		Intercept	Month (ref: May)			Deer	Wild boar	ΔAIC
			June	July	August			
M1	Estimate	1.803	-	-	-	-	-	0.00
	95% CI	Low.	1.773	-	-	-	-	
		Upp.	1.833	-	-	-	-	
M2	Estimate	1.803	-	-	-	-	-0.011	1.21
	95% CI	Low.	1.772	-	-	-	-0.035	
		Upp.	1.833	-	-	-	0.012	
M3	Estimate	1.803	-	-	-	-0.005	-	2.00
	95% CI	Low.	1.772	-	-	-	-0.028	
		Upp.	1.833	-	-	-	0.018	
M4	Estimate	1.770	0.015	0.053	0.048	-	-	3.07
	95% CI	Low.	1.714	-0.051	-0.014	-0.020	-	
		Upp.	1.826	0.080	0.119	0.116	-	
M5	Estimate	1.803	-	-	-	-0.004	-0.011	3.28
	95% CI	Low.	1.772	-	-	-	-0.027	
		Upp.	1.834	-	-	-	0.019	

Table B.2C. Standardized model estimates with 95% confidence intervals for the analysis of the association between the coefficient of variance of the mean height of the field layer and ungulate visitation frequencies, for all ungulate species summed. Models presented are the best performing GLMMs with a gaussian distribution. The final model selected on which interpretations were based is highlighted in bold. M = model.

		<i>Intercept</i>	<i>Month (ref: May)</i>			<i>Ungulates</i>	<i>ΔAIC</i>
			<i>June</i>	<i>July</i>	<i>August</i>		
M1	Estimate	1.803	-	-	-	-	0.00
	95% CI	Low. 1.773	-	-	-	-	
	Upp. 1.833	-	-	-	-	-	
M2	Estimate	1.803	-	-	-	-0.005	1.97
	95% CI	Low. 1.772	-	-	-	-0.028	
	Upp. 1.833	-	-	-	-	0.018	
M3	Estimate	1.770	0.015	0.053	0.048	-	3.07
	95% CI	Low. 1.714	-0.051	-0.014	-0.020	-	
	Upp. 1.826	0.080	0.119	0.116	-		

Table B.3A. Standardized model estimates with 95% confidence intervals for the analysis of the association between the presence of questing *I. ricinus* larvae and ungulate visitation frequencies. Models presented are the best performing GLMMs with a binomial distribution. The final model selected on which interpretations were based is highlighted in bold. M = model.

		Intercept	Month (ref: May)			Fallow deer	Roe deer	Red deer	Moose	Wild boar	Mean height field layer	Coefficient of variance of height field layer	Temperature	ΔAIC
			June	July	August									
M1	Estimate	0.137	-	-	-	-	-	-	-	-	-	-	-	0.00
	95% CI	Low. -0.502	-	-	-	-	-	-	-	-	-	-	-	
		Upp. 0.776	-	-	-	-	-	-	-	-	-	-	-	
M2	Estimate	0.136	-	-	-	-	-	-	-	-	-	0.179	0.86	
	95% CI	Low. -0.511	-	-	-	-	-	-	-	-	-	-0.276		
		Upp. 0.784	-	-	-	-	-	-	-	-	-	0.634		
M3	Estimate	-0.895	1.492	1.307	0.888	-	-	-	-	-	-	-	1.23	
	95% CI	Low. -2.111	0.087	-0.113	-0.528	-	-	-	-	-	-	-		
		Upp. 0.321	2.896	2.727	2.305	-	-	-	-	-	-	-		
M4	Estimate	0.139	-	-	-	-	-0.181	-	-	-	-	-	1.44	
	95% CI	Low. -0.513	-	-	-	-	-0.618	-	-	-	-	-		
		Upp. 0.790	-	-	-	-	0.256	-	-	-	-	-		
M5	Estimate	0.141	-	-	-	-	-	0.149	-	-	-	-	1.66	
	95% CI	Low. -0.510	-	-	-	-	-	-0.290	-	-	-	-		
		Upp. 0.791	-	-	-	-	-	0.588	-	-	-	-		
M6	Estimate	0.142	-	-	-	-0.142	-	-	-	-	-	-	1.77	
	95% CI	Low. -0.502	-	-	-	-0.625	-	-	-	-	-	-		
		Upp. 0.785	-	-	-	0.341	-	-	-	-	-	-		
M7	Estimate	0.137	-	-	-	-	-	-	-	0.113	-	-	1.85	
	95% CI	Low. -0.501	-	-	-	-	-	-	-	-0.323	-	-		
		Upp. 0.776	-	-	-	-	-	-	-	0.549	-	-		
M8	Estimate	0.137	-	-	-	-	0.110	-	-	-	-	-	1.87	
	95% CI	Low. -0.496	-	-	-	-	-0.338	-	-	-	-	-		
		Upp. 0.770	-	-	-	-	0.558	-	-	-	-	-		
M9	Estimate	0.134	-	-	-	-	-	-	-	-	-0.079	-	2.00	
	95% CI	Low. -0.494	-	-	-	-	-	-	-	-	-0.544	-		
		Upp. 0.761	-	-	-	-	-	-	-	-	0.386	-		
M10	Estimate	0.137	-	-	-	-	-	-	0.018	-	-	-	2.10	
	95% CI	Low. -0.503	-	-	-	-	-	-	-0.446	-	-	-		
		Upp. 0.777	-	-	-	-	-	-	0.482	-	-	-		
M11	Estimate	0.138	-	-	-	-	-0.172	-	-	-	-	0.169	2.44	
	95% CI	Low. -0.522	-	-	-	-	-0.612	-	-	-	-	-0.291		
		Upp. 0.797	-	-	-	-	0.269	-	-	-	-	0.629		

Table B.3A. [Continued]

		<i>Intercept</i>	<i>Month (ref: May)</i>			<i>Fallow deer</i>	<i>Roe deer</i>	<i>Red deer</i>	<i>Moose</i>	<i>Wild boar</i>	<i>Mean height field layer</i>	<i>Coefficient of variance of height field layer</i>	<i>Temperature</i>	<i>ΔAIC</i>
			<i>June</i>	<i>July</i>	<i>August</i>									
M12	Estimate	0.139	-	-	-	-	-	0.162	-	-	-	0.191	2.48	
	95% CI Low.	-0.520	-	-	-	-	-	-0.280	-	-	-	-0.267		
	Upp.	0.798	-	-	-	-	-	0.603	-	-	-	0.649		
M13	Estimate	-0.901	1.539	1.381	0.786	-	-	0.226	-	-	-	-	2.54	
	95% CI Low.	-2.142	0.113	-0.068	-0.667	-	-	-0.242	-	-	-	-		
	Upp.	0.340	2.964	2.830	2.249	-	-	0.694	-	-	-	-		
M14	Estimate	1.131	-	-	-	-	-	-	-	-	-0.122	0.201	2.66	
	95% CI Low.	-0.499	-	-	-	-	-	-	-	-	-0.600	-0.259		
	Upp.	0.761	-	-	-	-	-	-	-	-	0.356	0.661		
M15	Estimate	-0.912	1.509	1.318	0.930	-	-0.186	-	-	-	-	-	2.78	
	95% CI Low.	-2.142	0.096	-0.112	-0.503	-	-0.634	-	-	-	-	-		
	Upp.	0.317	2.923	2.748	2.362	-	0.262	-	-	-	-	-		
M16	Estimate	0.141	-	-	-	-0.125	-	-	-	-	-	0.168	2.79	
	95% CI Low.	-0.510	-	-	-	-0.613	-	-	-	-	-	-0.289		
	Upp.	0.791	-	-	-	0.363	-	-	-	-	-	0.625		
M17	Estimate	0.138	-	-	-	-	-	0.099	-	-	-	0.171	2.85	
	95% CI Low.	-0.505	-	-	-	-	-	-0.359	-	-	-	-0.284		
	Upp.	0.780	-	-	-	-	-	0.556	-	-	-	0.627		
M18	Estimate	0.136	-	-	-	-	-	-	-	0.073	-	0.159	2.97	
	95% CI Low.	-0.510	-	-	-	-	-	-	-	-0.379	-	-0.311		
	Upp.	0.782	-	-	-	-	-	-	-	0.525	-	0.630		
M19	Estimate	0.136	-	-	-	-	-	-	0.033	-	-	0.182	2.98	
	95% CI Low.	-0.513	-	-	-	-	-	-	-0.437	-	-	-0.275		
	Upp.	0.786	-	-	-	-	-	-	0.502	-	-	0.639		
M20	Estimate	0.142	-	-	-	-	-0.185	0.154	-	-	-	-	3.11	
	95% CI Low.	-0.521	-	-	-	-	-0.624	-0.287	-	-	-	-		
	Upp.	0.805	-	-	-	-	0.253	0.596	-	-	-	-		
M21	Estimate	-0.936	1.504	1.371	0.941	-	-	-	-	-	-0.144	-	3.11	
	95% CI Low.	-2.135	0.110	-0.047	-0.468	-	-	-	-	-	-0.623	-		
	Upp.	0.263	2.899	2.789	2.349	-	-	-	-	-	0.335	-		
M22	Estimate	-0.890	1.495	1.293	0.896	-	-	0.121	-	-	-	-	3.20	
	95% CI Low.	-2.095	0.096	-0.119	-0.514	-	-	-0.352	-	-	-	-		
	Upp.	0.315	2.894	2.705	2.307	-	-	0.593	-	-	-	-		
M23	Estimate	0.142	-	-	-	-	-0.126	-	-	0.095	-	-	3.24	
	95% CI Low.	-0.501	-	-	-	-	-0.614	-	-	-0.347	-	-		
	Upp.	0.785	-	-	-	-	0.363	-	-	0.537	-	-		

Table B.3A. [Continued]

		<i>Intercept</i>	<i>Month (ref: May)</i>			<i>Fallow deer</i>	<i>Roe deer</i>	<i>Red deer</i>	<i>Moose</i>	<i>Wild boar</i>	<i>Mean height field layer</i>	<i>Coefficient of variance of height field layer</i>	<i>Temperature</i>	Δ AIC
			<i>June</i>	<i>July</i>	<i>August</i>									
M24	Estimate	-0.995	1.630	1.430	0.996	-	-	-	-	-	-0.114	-	-	3.24
	95% CI	Low.	-2.282	0.102	-0.084	-0.492	-	-	-	-	-0.601	-	-	
	Upp.	0.292	3.157	2.944	2.484	-	-	-	-	-	0.372	-	-	
M25	Estimate	0.144	-	-	-	-0.144	-0.183	-	-	-	-	-	-	3.24
	95% CI	Low.	-0.512	-	-	-	-0.631	-0.622	-	-	-	-	-	
	Upp.	0.800	-	-	-	0.342	0.256	-	-	-	-	-	-	
M26	Estimate	0.139	-	-	-	-	-0.184	0.116	-	-	-	-	-	3.33
	95% CI	Low.	-0.507	-	-	-	-0.621	-0.336	-	-	-	-	-	
	Upp.	0.785	-	-	-	-	0.253	0.568	-	-	-	-	-	
M27	Estimate	-0.881	1.471	1.289	0.885	-0.071	-	-	-	-	-	-	-	3.37
	95% CI	Low.	-2.102	0.058	-0.137	-0.533	-0.561	-	-	-	-	-	-	
	Upp.	0.340	2.883	2.715	2.303	0.419	-	-	-	-	-	-	-	
M28	Estimate	-0.909	1.514	1.314	0.917	-	-	-	-	0.063	-	-	-	3.39
	95% CI	Low.	-2.132	0.097	-0.108	-0.518	-	-	-	-0.418	-	-	-	
	Upp.	0.314	2.932	2.736	2.352	-	-	-	-	0.544	-	-	-	
M29	Estimate	-1.074	1.626	1.616	1.080	-	-	-	-	-	-	-0.150	-	3.43
	95% CI	Low.	-2.496	0.113	-0.320	-0.546	-	-	-	-	-	-0.791	-	
	Upp.	0.348	3.138	3.553	2.706	-	-	-	-	-	-	0.492	-	
M30	Estimate	0.135	-	-	-	-	-0.184	-	-	-	-	-0.088	-	3.45
	95% CI	Low.	-0.504	-	-	-	-0.621	-	-	-	-	-0.555	-	
	Upp.	0.774	-	-	-	-	0.252	-	-	-	-	0.379	-	
M31	Estimate	0.146	-	-	-	-0.138	-	-	0.146	-	-	-	-	3.49
	95% CI	Low.	-0.510	-	-	-0.627	-	-	-0.294	-	-	-	-	
	Upp.	0.801	-	-	-	0.350	-	-	0.587	-	-	-	-	
M32	Estimate	0.141	-	-	-	-	-	-	0.148	-	0.112	-	-	3.55
	95% CI	Low.	-0.509	-	-	-	-	-	-0.291	-	-0.327	-	-	
	Upp.	0.791	-	-	-	-	-	-	0.588	-	0.551	-	-	
M33	Estimate	0.139	-	-	-	-	-0.181	-	-	0.006	-	-	-	3.58
	95% CI	Low.	-0.513	-	-	-	-0.619	-	-	-0.463	-	-	-	
	Upp.	0.790	-	-	-	-	0.257	-	-	0.475	-	-	-	
M34	Estimate	0.141	-	-	-	-	-	0.106	0.146	-	-	-	-	3.59
	95% CI	Low.	-0.504	-	-	-	-	-0.344	-0.293	-	-	-	-	
	Upp.	0.785	-	-	-	-	-	0.556	0.584	-	-	-	-	
M35	Estimate	0.138	-	-	-	-	-	-	0.145	-	-	-0.070	-	3.72
	95% CI	Low.	-0.503	-	-	-	-	-	-0.293	-	-	-0.538	-	
	Upp.	0.779	-	-	-	-	-	-	0.584	-	-	0.398	-	

Table B.3A. [Continued]

		Intercept	Month (ref: May)			Fallow deer	Roe deer	Red deer	Moose	Wild boar	Mean height field layer	Coefficient of variance of height field layer	Temperature	Δ AIC
			June	July	August									
M36	Estimate	0.138	-	-	-	-	0.117	-	-	0.119	-	-	3.74	
	95% CI Low.	-0.494	-	-	-	-	-0.333	-	-	-0.318	-	-		
	Upp.	0.770	-	-	-	-	0.567	-	-	0.555	-	-		
M37	Estimate	0.142	-	-	-	-0.126	-	-	-	0.095	-	-	3.74	
	95% CI Low.	-0.501	-	-	-	-0.614	-	-	-	-0.347	-	-		
	Upp.	0.785	-	-	-	0.363	-	-	-	0.537	-	-		
M38	Estimate	0.142	-	-	-	-0.127	-	0.093	-	-	-	-	3.76	
	95% CI Low.	-0.497	-	-	-	-0.617	-	-0.362	-	-	-	-		
	Upp.	0.781	-	-	-	0.363	-	0.548	-	-	-	-		
M39	Estimate	0.141	-	-	-	-	-	0.152	0.030	-	-	-	3.79	
	95% CI Low.	-0.512	-	-	-	-	-	-0.289	-0.438	-	-	-		
	Upp.	0.793	-	-	-	-	-	0.592	0.498	-	-	-		
M40	Estimate	0.139	-	-	-	-0.133	-	-	-	-	-0.062	-	3.85	
	95% CI Low.	-0.496	-	-	-	-0.619	-	-	-	-	-0.531	-		
	Upp.	0.774	-	-	-	0.352	-	-	-	-	0.406	-		
M41	Estimate	0.134	-	-	-	-	-	-	-	0.118	-0.087	-	3.86	
	95% CI Low.	-0.492	-	-	-	-	-	-	-	-0.317	-0.553	-		
	Upp.	0.760	-	-	-	-	-	-	-	0.552	0.378	-		
M42	Estimate	0.142	-	-	-	-0.142	-	-	0.017	-	-	-	3.91	
	95% CI Low.	-0.502	-	-	-	-0.625	-	-	-0.447	-	-	-		
	Upp.	0.786	-	-	-	0.341	-	-	0.481	-	-	-		
M43	Estimate	0.138	-	-	-	-	0.117	-	-	-	0.119	-	3.95	
	95% CI Low.	-0.494	-	-	-	-	-0.333	-	-	-	-0.318	-		
	Upp.	0.770	-	-	-	-	0.567	-	-	-	0.555	-		
M44	Estimate	0.138	-	-	-	-	-	-	0.015	0.112	-	-	3.99	
	95% CI Low.	-0.501	-	-	-	-	-	-	-0.449	-0.324	-	-		
	Upp.	0.776	-	-	-	-	-	-	0.479	0.549	-	-		

Table B.3B. Standardized model estimates with 95% confidence intervals for the analysis of the association between the presence of questing *I. ricinus* larvae and ungulate visitation frequencies, for the deer species summed. Models presented are the best performing GLMMs with a binomial distribution. The final model selected on which interpretations were based is highlighted in bold. M = model.

		Intercept	Month (ref: May)			Deer	Wild boar	Mean height field layer	Coefficient of variance of height field layer	Temperature	ΔAIC
			June	July	August						
M1	Estimate	0.137	-	-	-	-	-	-	-	-	0.00
	95% CI	Low. -0.502	-	-	-	-	-	-	-	-	
		Upp. 0.776	-	-	-	-	-	-	-	-	
M2	Estimate	0.136	-	-	-	-	-	-	0.179	-	0.86
	95% CI	Low. -0.511	-	-	-	-	-	-	-0.276	-	
		Upp. 0.784	-	-	-	-	-	-	0.634	-	
M3	Estimate	-0.895	1.492	1.307	0.888	-	-	-	-	-	1.23
	95% CI	Low. -2.111	-0.087	-0.113	-0.528	-	-	-	-	-	
		Upp. 0.321	2.897	2.727	2.305	-	-	-	-	-	
M4	Estimate	0.137	-	-	-	-	-	0.113	-	-	1.85
	95% CI	Low. -0.501	-	-	-	-	-	-0.323	-	-	
		Upp. 0.776	-	-	-	-	-	0.549	-	-	
M5	Estimate	0.140	-	-	-	-0.087	-	-	-	-	1.96
	95% CI	Low. -0.503	-	-	-	-0.541	-	-	-	-	
		Upp. 0.784	-	-	-	0.366	-	-	-	-	
M6	Estimate	0.134	-	-	-	-	-	-	-0.079	-	2.00
	95% CI	Low. -0.494	-	-	-	-	-	-	-0.544	-	
		Upp. 0.761	-	-	-	-	-	-	0.386	-	
M7	Estimate	0.137	-	-	-	-	0.018	-	-	-	2.10
	95% CI	Low. -0.503	-	-	-	-	-0.446	-	-	-	
		Upp. 0.777	-	-	-	-	0.482	-	-	-	
M8	Estimate	0.131	-	-	-	-	-	-	-0.122	0.201	2.66
	95% CI	Low. -0.499	-	-	-	-	-	-	-0.600	-0.259	
		Upp. 0.761	-	-	-	-	-	-	0.356	0.661	
M9	Estimate	0.136	-	-	-	-	-	-	-	0.179	2.94
	95% CI	Low. -0.511	-	-	-	-	-	-	-	-0.276	
		Upp. 0.784	-	-	-	-	-	-	-	0.634	
M10	Estimate	0.138	-	-	-	-0.062	-	0.069	-	0.153	2.97
	95% CI	Low. -0.511	-	-	-	-0.522	-	-0.384	-	-0.321	
		Upp. 0.787	-	-	-	0.399	-	0.523	-	0.626	
M11	Estimate	0.136	-	-	-	-	0.033	-	-	0.182	2.98
	95% CI	Low. -0.513	-	-	-	-	-0.437	-	-	-0.275	
		Upp. 0.786	-	-	-	-	0.502	-	-	0.639	

Table B.3B. [Continued]

		<i>Intercept</i>	<i>Month (ref: May)</i>			<i>Deer</i>	<i>Wild boar</i>	<i>Mean height field layer</i>	<i>Coefficient of variance of height field layer</i>	<i>Temperature</i>	Δ AIC
			<i>June</i>	<i>July</i>	<i>August</i>						
M12	Estimate	-0.936	1.505	1.371	0.941	-	-	-	-0.144	-	3.11
	95% CI	Low.	-2.135	0.110	-0.047	-0.468	-	-	-0.623	-	
	Upp.	0.263	2.899	2.789	2.349	-	-	0.335	-		
M13	Estimate	-0.995	1.630	1.430	0.996	-	-	-0.114	-	-	3.23
	95% CI	Low.	-2.282	0.102	-0.084	0.492	-	0.601	-	-	
	Upp.	0.292	3.157	2.944	2.484	-	-	0.372	-	-	
M14	Estimate	-0.896	1.499	1.308	0.897	-0.088	-	-	-	-	3.31
	95% CI	Low.	-2.118	0.090	-0.116	-0.525	-0.545	-	-	-	
	Upp.	0.325	2.908	2.732	2.319	0.369	-	-	-	-	
M15	Estimate	-0.909	1.514	1.314	0.917	-	0.063	-	-	-	3.39
	95% CI	Low.	-2.132	0.097	-0.108	-0.518	-	-0.418	-	-	
	Upp.	0.314	2.932	2.736	2.352	-	0.544	-	-	-	
M16	Estimate	-1.074	1.626	1.616	1.080	-	-	-	-	-0.150	3.43
	95% CI	Low.	-2.496	0.113	-0.320	-0.546	-	-	-	-0.791	
	Upp.	0.348	3.138	3.553	2.706	-	-	-	-	0.492	
M17	Estimate	0.134	-	-	-	-	-	0.118	-0.087	-	3.86
	95% CI	Low.	-0.492	-	-	-	-	-0.317	-0.553	-	
	Upp.	0.760	-	-	-	-	-	0.552	0.378	-	
M18	Estimate	0.140	-	-	-	-0.078	-	0.106	-	-	3.88
	95% CI	Low.	-0.502	-	-	-0.533	-	-0.332	-	-	
	Upp.	0.783	-	-	-	0.378	-	0.544	-	-	
M19	Estimate	0.137	-	-	-	-0.093	-	-	-0.085	-	3.98
	95% CI	Low.	-0.495	-	-	-0.545	-	-	-0.551	-	
	Upp.	0.769	-	-	-	0.360	-	-	0.381	-	
M20	Estimate	0.138	-	-	-	-	0.015	0.112	-	-	3.99
	95% CI	Low.	-0.501	-	-	-	-0.449	-0.324	-	-	
	Upp.	0.776	-	-	-	-	0.479	0.549	-	-	

Table B.3C. Standardized model estimates with 95% confidence intervals for the analysis of the association between the presence of questing *I. ricinus* larvae and ungulate visitation frequencies, for the ungulate species summed. Models presented are the best performing GLMMs with a binomial distribution. The final model selected on which interpretations were based is highlighted in bold. M = model.

		Intercept	Month (ref: May)			Ungulates	Mean height field layer	Coefficient of variance of height field layer	Temperature	Δ AIC
			June	July	August					
M1	Estimate	0.137	-	-	-	-	-	-	-	0.00
	95% CI	Low. -0.502	-	-	-	-	-	-	-	
		Upp. 0.776	-	-	-	-	-	-	-	
M2	Estimate	0.136	-	-	-	-	-	0.179	-	0.86
	95% CI	Low. -0.511	-	-	-	-	-	-0.276	-	
		Upp. 0.784	-	-	-	-	-	0.634	-	
M3	Estimate	-0.895	1.492	1.301	0.888	-	-	-	-	1.23
	95% CI	Low. -2.111	0.087	-0.113	-0.528	-	-	-	-	
		Upp. 0.321	2.897	2.727	2.305	-	-	-	-	
M4	Estimate	0.143	-	-	-	-0.158	-	-	-	1.66
	95% CI	Low. -0.501	-	-	-	-0.626	-	-	-	
		Upp. 0.787	-	-	-	0.310	-	-	-	
M5	Estimate	0.137	-	-	-	-	0.113	-	-	1.85
	95% CI	Low. -0.501	-	-	-	-	-0.323	-	-	
		Upp. 0.776	-	-	-	-	0.549	-	-	
M6	Estimate	0.134	-	-	-	-	-	-0.079	-	2.00
	95% CI	Low. -0.494	-	-	-	-	-	-0.544	-	
		Upp. 0.761	-	-	-	-	-	0.386	-	
M7	Estimate	0.131	-	-	-	-	-	-0.122	0.201	2.66
	95% CI	Low. -0.499	-	-	-	-	-	-0.600	-0.259	
		Upp. 0.761	-	-	-	-	-	0.356	0.661	
M8	Estimate	0.141	-	-	-	-0.132	-	-	0.158	2.76
	95% CI	Low. -0.510	-	-	-	-0.609	-	-	-0.304	
		Upp. 0.791	-	-	-	0.345	-	-	0.619	
M9	Estimate	0.136	-	-	-	-	0.072	-	0.159	2.97
	95% CI	Low. -0.510	-	-	-	-	-0.379	-	-0.311	
		Upp. 0.782	-	-	-	-	0.525	-	0.630	
M10	Estimate	-0.888	1.488	1.301	0.891	-0.142	-	-	-	3.09
	95% CI	Low. -2.112	0.078	-0.125	-0.533	-0.608	-	-	-	
		Upp. 0.335	2.897	2.726	2.314	0.325	-	-	-	
M11	Estimate	-0.936	1.505	1.371	0.941	-	-	-0.144	-	3.11
	95% CI	Low. -2.135	0.110	-0.047	-0.468	-	-	-0.623	-	
		Upp. 0.263	2.899	2.789	2.349	-	-	0.335	-	

Table B.3C. [Continued]

		<i>Intercept</i>	<i>Month (ref: May)</i>			<i>Ungulates</i>	<i>Mean height field layer</i>	<i>Coefficient of variance of height field layer</i>	<i>Temperature</i>	<i>ΔAIC</i>
			<i>June</i>	<i>July</i>	<i>August</i>					
M12	Estimate	-0.995	1.630	1.430	0.996	-	-0.114	-	-	3.24
	95% CI	Low.	-2.282	0.102	-0.084	-0.492	-	-0.601	-	
		Upp.	0.292	3.157	2.944	2.484	-	0.372	-	
M13	Estimate	-1.074	1.626	1.616	1.080	-	-	-	-0.150	3.43
	95% CI	Low.	-2.496	0.113	-0.320	-0.546	-	-	-0.791	
		Upp.	0.348	3.138	3.553	2.706	-	-	0.492	
M14	Estimate	0.143	-	-	-	-0.147	0.098	-	-	3.62
	95% CI	Low.	-0.501	-	-	-	-0.617	-0.342	-	
		Upp.	0.787	-	-	-	0.323	0.537	-	
M15	Estimate	0.140	-	-	-	-0.165	-	-0.093	-	3.65
	95% CI	Low.	-0.492	-	-	-	-0.631	-	-0.560	
		Upp.	0.772	-	-	-	0.301	-	0.374	
M16	Estimate	0.134	-	-	-	-	0.118	-0.087	-	3.86
	95% CI	Low.	-0.492	-	-	-	-0.317	-0.553	-	
		Upp.	0.760	-	-	-	-	0.552	0.378	

Table B.4A. Standardized model estimates with 95% confidence intervals for the analysis of the association between the presence of questing *I. ricinus* nymphs and ungulate visitation frequencies. Models presented are the best performing GLMMs with a binomial distribution. The final model selected on which interpretations were based is highlighted in bold. M = model.

		Intercept	Month (ref: May)			Fallow deer	Roe deer	Red deer	Moose	Wild boar	Mean height field layer	Coefficient of variance of height field layer	Temperature	Δ AIC
			June	July	August									
M1	Estimate	0.812	-	-	-	-	-	0.453	-	-	-0.430	-	0.00	
	95% CI Low.	0.263	-	-	-	-	-	-0.093	-	-	-0.876	-		
	Upp.	1.361	-	-	-	-	-	1.000	-	-	0.017	-		
M2	Estimate	0.836	-	-	-	-	0.353	0.449	-	-	-0.400	-	0.50	
	95% CI Low.	0.291	-	-	-	-	-0.229	-0.095	-	-	-0.841	-		
	Upp.	1.381	-	-	-	-	0.934	0.993	-	-	0.043	-		
M3	Estimate	0.828	-	-	-	-0.316	-	0.449	-	-	-0.420	-	0.75	
	95% CI Low.	0.298	-	-	-	-0.844	-	-0.106	-	-	-0.862	-		
	Upp.	1.358	-	-	-	0.212	-	1.003	-	-	0.023	-		
M4	Estimate	0.767	-	-	-	-	-	-	-	-	-0.444	-	1.16	
	95% CI Low.	0.257	-	-	-	-	-	-	-	-	-0.885	-		
	Upp.	1.278	-	-	-	-	-	-	-	-	-0.003	-		
M5	Estimate	0.817	-	-	-	-	-	0.472	-	-	-	-	1.38	
	95% CI Low.	0.222	-	-	-	-	-	-0.073	-	-	-	-		
	Upp.	1.412	-	-	-	-	-	1.017	-	-	-	-		
M6	Estimate	0.838	-	-	-	-	0.388	0.471	-	-	-	-	1.43	
	95% CI Low.	0.259	-	-	-	-	-0.184	-0.072	-	-	-	-		
	Upp.	1.418	-	-	-	-	0.960	1.013	-	-	-	-		
M7	Estimate	0.812	-	-	-	-	-	0.448	-	-	-0.400	-0.166	1.43	
	95% CI Low.	0.273	-	-	-	-	-	-0.099	-	-	-0.851	-0.608		
	Upp.	1.350	-	-	-	-	-	0.995	-	-	0.051	0.276		
M8	Estimate	0.856	-	-	-	-0.301	0.335	0.452	-	-	-0.388	-	1.47	
	95% CI Low.	0.320	-	-	-	-0.839	-0.246	-0.099	-	-	-0.829	-		
	Upp.	1.393	-	-	-	0.236	0.915	1.004	-	-	0.053	-		
M9	Estimate	0.791	-	-	-	-	0.345	-	-	-	-0.415	-	1.57	
	95% CI Low.	0.286	-	-	-	-	-0.226	-	-	-	-0.850	-		
	Upp.	1.296	-	-	-	-	0.935	-	-	-	0.020	-		
M10	Estimate	0.810	-	-	-	-	-	0.453	-	-0.154	-0.425	-	1.70	
	95% CI Low.	0.265	-	-	-	-	-	-0.091	-	-0.588	-0.871	-		
	Upp.	1.354	-	-	-	-	-	0.998	-	0.281	0.022	-		
M11	Estimate	0.777	-	-	-	-0.322	-	-	-	-	-0.434	-	1.72	
	95% CI Low.	0.292	-	-	-	-0.834	-	-	-	-	-0.868	-		
	Upp.	1.262	-	-	-	0.189	-	-	-	-	0.001	-		

Table B.4A. [Continued]

		<i>Intercept</i>	<i>Month (ref: May)</i>			<i>Fallow deer</i>	<i>Roe deer</i>	<i>Red deer</i>	<i>Moose</i>	<i>Wild boar</i>	<i>Mean height field layer</i>	<i>Coefficient of variance of height field layer</i>	<i>Temperature</i>	Δ AIC
			<i>June</i>	<i>July</i>	<i>August</i>									
M12	Estimate	0.820	-	-	-	-	-0.148	-	0.466	-	-	-0.431	-	1.76
	95% CI Low.	0.257	-	-	-	-	-0.597	-	-0.086	-	-	-0.880	-	
	Upp.	1.384	-	-	-	-	0.301	-	1.018	-	-	0.018	-	
M13	Estimate	0.835	-	-	-	-	-	0.361	0.444	-	-	-0.365	-0.186	1.83
	95% CI Low.	0.301	-	-	-	-	-	-0.211	-0.010	-	-	-0.813	-0.627	
	Upp.	1.368	-	-	-	-	-	0.934	0.988	-	-	0.082	0.256	
M14	Estimate	0.833	-	-	-	-0.352	-	-	0.443	-	-	-0.380	-0.210	1.86
	95% CI Low.	0.312	-	-	-	-0.884	-	-	-0.113	-	-	-0.828	-0.648	
	Upp.	1.353	-	-	-	0.179	-	-	0.998	-	-	0.067	0.227	
M15	Estimate	0.826	-	-	-	-0.329	-	-	0.469	-	-	-	-	2.02
	95% CI Low.	0.263	-	-	-	-0.860	-	-	-0.082	-	-	-	-	
	Upp.	1.390	-	-	-	0.202	-	-	1.020	-	-	-	-	
M16	Estimate	0.839	-	-	-	-	-	0.398	0.464	-	-	-	-0.250	2.05
	95% CI Low.	0.278	-	-	-	-	-	-0.166	-0.078	-	-	-	-0.687	
	Upp.	1.399	-	-	-	-	-	0.962	1.006	-	-	-	0.188	
M17	Estimate	0.824	-	-	-	-0.362	-	-	0.449	-	-0.210	-0.410	-	2.09
	95% CI Low.	0.305	-	-	-	-0.895	-	-	-0.103	-	-0.646	-0.852	-	
	Upp.	1.344	-	-	-	0.171	-	-	1.001	-	0.226	0.031	-	
M18	Estimate	0.819	-	-	-	-	-	-	0.466	-	-	-	-0.234	2.11
	95% CI Low.	0.241	-	-	-	-	-	-	-0.080	-	-	-	-0.674	
	Upp.	1.396	-	-	-	-	-	-	1.012	-	-	-	0.206	
M19	Estimate	0.814	-	-	-	-	-	-	0.457	0.051	-	-0.422	-	2.14
	95% CI Low.	0.261	-	-	-	-	-	-	-0.091	-0.417	-	-0.875	-	
	Upp.	1.367	-	-	-	-	-	-	1.004	0.518	-	0.030	-	
M20	Estimate	0.850	-	-	-	-	-0.164	0.367	0.465	-	-	-0.400	-	2.21
	95% CI Low.	0.285	-	-	-	-	-0.616	-0.224	-0.085	-	-	-0.846	-	
	Upp.	1.415	-	-	-	-	0.288	0.958	1.015	-	-	0.046	-	
M21	Estimate	0.845	-	-	-	-0.319	-	0.375	0.474	-	-	-	-	2.23
	95% CI Low.	0.295	-	-	-	-0.857	-	-0.195	-0.075	-	-	-	-	
	Upp.	1.414	-	-	-	0.219	-	0.945	1.023	-	-	-	-	
M22	Estimate	0.834	-	-	-	-0.375	-	-	0.462	-	-	-	-0.278	2.28
	95% CI Low.	0.286	-	-	-	-0.907	-	-	-0.092	-	-	-	-0.713	
	Upp.	1.382	-	-	-	0.155	-	-	1.015	-	-	-	0.156	
M23	Estimate	0.817	-	-	-	-	-	-0.132	0.464	-	-0.140	-0.426	-	2.33
	95% CI Low.	0.259	-	-	-	-	-	-0.584	-0.086	-	-0.582	-0.875	-	
	Upp.	1.375	-	-	-	-	-	0.319	1.013	-	0.301	0.024	-	

Table B.4A. [Continued]

		Intercept	Month (ref: May)			Fallow deer	Roe deer	Red deer	Moose	Wild boar	Mean height field layer	Coefficient of variance of height field layer	Temperature	AAIC
			June	July	August									
M24	Estimate	0.864	-	-	-	-0.371	-	0.390	0.468	-	-	-0.295	2.36	
	95% CI	Low.	0.321	-	-	-	-0.910	-	-0.174	-0.082	-	-	-0.729	
		Upp.	1.407	-	-	-	0.168	-	0.953	1.018	-	-	0.139	
M25	Estimate	0.863	-	-	-	-0.345	-	0.348	0.448	-	-	-0.344	2.45	
	95% CI	Low.	0.336	-	-	-	-0.888	-	-0.223	-0.104	-	-0.791	-0.670	
		Upp.	1.389	-	-	-	0.199	-	0.919	1.001	-	0.103	0.209	
M26	Estimate	0.803	-	-	-	-0.295	-	0.323	-	-	-	-0.404	2.48	
	95% CI	Low.	0.312	-	-	-	-0.817	-	-0.255	-	-	-0.836	-	
		Upp.	1.293	-	-	-	0.226	-	0.900	-	-	0.028	-	
M27	Estimate	0.766	-	-	-	-	-	-	-	-	-	-0.414	2.48	
	95% CI	Low.	0.267	-	-	-	-	-	-	-	-	-0.860	-0.606	
		Upp.	1.266	-	-	-	-	-	-	-	-	0.031	0.258	
M28	Estimate	0.834	-	-	-	-0.308	-0.130	-	0.462	-	-	-0.419	2.64	
	95% CI	Low.	0.292	-	-	-	-0.840	-0.572	-	-0.080	-	-	-0.865	-
		Upp.	1.377	-	-	-	0.223	0.313	-	1.021	-	-	0.026	-
M29	Estimate	0.780	-	-	-	-0.356	-	-	-	-	-	-0.394	2.70	
	95% CI	Low.	0.306	-	-	-	-0.868	-	-	-	-	-0.834	-0.641	
		Upp.	1.254	-	-	-	0.156	-	-	-	-	0.044	0.210	
M30	Estimate	0.837	-	-	-	-	-	0.351	0.450	0.023	-	-0.396	2.72	
	95% CI	Low.	0.290	-	-	-	-	-	-0.232	-0.094	-0.441	-	-0.843	-
		Upp.	1.384	-	-	-	-	-	0.933	0.995	0.487	-	0.051	-
M31	Estimate	0.788	-	-	-	-	-	0.360	-	-	-	-0.382	2.81	
	95% CI	Low.	0.295	-	-	-	-	-	-0.209	-	-	-	-0.821	-0.620
		Upp.	1.282	-	-	-	-	-	0.929	-	-	-	0.058	0.241
M32	Estimate	0.769	-	-	-	-	-	-	-	-	-0.147	-	2.84	
	95% CI	Low.	0.257	-	-	-	-	-	-	-	-	-0.574	-	
		Upp.	1.280	-	-	-	-	-	-	-	-	0.279	0.004	-
M33	Estimate	0.774	-	-	-	-	-	-	-	-	-	-	2.86	
	95% CI	Low.	0.209	-	-	-	-	-	-	-	-	-	-	
		Upp.	1.339	-	-	-	-	-	-	-	-	-	-	
M34	Estimate	0.793	-	-	-	-	-	0.384	-	-	-	-	2.87	
	95% CI	Low.	0.246	-	-	-	-	-	-0.185	-	-	-	-	
		Upp.	1.340	-	-	-	-	-	0.953	-	-	-	-	
M35	Estimate	0.829	-	-	-	-0.317	-	-	0.452	0.051	-	-0.412	2.93	
	95% CI	Low.	0.296	-	-	-	-0.847	-	-	-0.103	-0.406	-	-0.860	-
		Upp.	1.362	-	-	-	0.212	-	-	1.007	0.507	-	0.035	-

Table B.4A. [Continued]

		Intercept	Month (ref: May)			Fallow deer	Roe deer	Red deer	Moose	Wild boar	Mean height field layer	Coefficient of variance of height field layer	Temperature	Δ AIC
			June	July	August									
M36	Estimate	0.816	-	-	-	-	-	0.471	-	-0.171	-	-	2.95	
	95% CI Low.	0.225	-	-	-	-	-	-0.073	-	-0.613	-	-		
	Upp.	1.408	-	-	-	-	-	1.015	-	0.270	-	-		
M37	Estimate	0.853	-	-	-	-0.347	-	0.321	0.455	-0.194	-0.380	-	2.96	
	95% CI Low.	0.325	-	-	-	-0.891	-	-0.258	-0.095	-0.629	-0.821	-		
	Upp.	1.381	-	-	-	0.196	-	0.900	1.005	0.240	0.061	-		
M38	Estimate	0.773	-	-	-	-	-0.120	-	-	-	-0.444	-	3.01	
	95% CI Low.	0.252	-	-	-	-	-0.556	-	-	-	-0.887	-		
	Upp.	1.295	-	-	-	-	0.317	-	-	-	-0.001	-		
M39	Estimate	0.853	-	-	-	-	-0.172	0.401	0.484	-	-	-	3.05	
	95% CI Low.	0.251	-	-	-	-	-0.628	-0.178	-0.063	-	-	-		
	Upp.	1.453	-	-	-	-	0.283	0.981	1.031	-	-	-		
M40	Estimate	0.778	-	-	-	-0.364	-	-	-	-0.198	-0.425	-	3.06	
	95% CI Low.	0.297	-	-	-	-0.882	-	-	-	-0.621	-0.860	-		
	Upp.	1.258	-	-	-	0.154	-	-	-	0.225	0.011	-		
M41	Estimate	0.825	-	-	-	-	-0.154	-	0.483	-	-	-	3.07	
	95% CI Low.	0.215	-	-	-	-	-0.605	-	-0.066	-	-	-		
	Upp.	1.435	-	-	-	-	0.296	-	1.032	-	-	-		
M42	Estimate	0.837	-	-	-	-	-	0.379	0.471	-0.153	-	-	3.14	
	95% CI Low.	0.260	-	-	-	-	-	-0.193	-0.071	-0.589	-	-		
	Upp.	1.415	-	-	-	-	-	0.951	1.013	0.283	-	-		
M43	Estimate	0.824	-	-	-	-0.381	-	-	0.468	-0.228	-	-	3.17	
	95% CI Low.	0.271	-	-	-	-0.919	-	-	-0.082	-0.668	-	-		
	Upp.	1.377	-	-	-	0.157	-	-	1.018	0.212	-	-		
M44	Estimate	0.821	-	-	-	-	-0.156	-	0.461	-	-0.399	-0.176	3.18	
	95% CI Low.	0.269	-	-	-	-	-0.604	-	-0.091	-	-0.853	-0.624		
	Upp.	1.373	-	-	-	-	0.291	-	1.014	-	0.055	0.272		
M45	Estimate	0.821	-	-	-	-	-	0.480	0.126	-	-	-	3.25	
	95% CI Low.	0.220	-	-	-	-	-	-0.066	-0.346	-	-	-		
	Upp.	1.422	-	-	-	-	-	1.026	0.598	-	-	-		
M46	Estimate	0.768	-	-	-	-	-	-	0.020	-	-0.441	-	3.30	
	95% CI Low.	0.255	-	-	-	-	-	-	-0.433	-	-0.887	-		
	Upp.	1.282	-	-	-	-	-	-	0.474	-	0.005	-		
M47	Estimate	0.868	-	-	-	-0.294	-0.149	0.351	0.469	-	-0.388	-	3.30	
	95% CI Low.	0.315	-	-	-	-0.836	-0.596	-0.241	-0.089	-	-0.832	-		
	Upp.	1.422	-	-	-	0.247	0.298	0.942	1.026	-	0.056	-		

Table B.4A. [Continued]

		Intercept	Month (ref: May)			Fallow deer	Roe deer	Red deer	Moose	Wild boar	Mean height field layer	Coefficient of variance of height field layer	Temperature	ΔAIC
			June	July	August									
M48	Estimate	0.776	-	-	-	-0.333	-	-	-	-	-	-	3.35	
	95% CI Low.	0.252	-	-	-	-0.852	-	-	-	-	-	-		
	Upp.	1.301	-	-	-	0.185	-	-	-	-	-	-		
M49	Estimate	0.806	-	-	-	-0.336	-	0.331	-	-	-0.360	-0.231	3.36	
	95% CI Low.	0.326	-	-	-	-0.859	-	-0.234	-	-	-0.798	-0.658		
	Upp.	1.285	-	-	-	0.188	-	0.894	-	-	0.077	0.197		
M50	Estimate	0.810	-	-	-	-	-	0.450	-	-0.129	-0.400	-0.144	3.37	
	95% CI Low.	0.275	-	-	-	-	-	-0.096	-	-0.567	-0.851	-0.594		
	Upp.	1.345	-	-	-	-	-	0.995	-	0.309	0.051	0.306		
M51	Estimate	0.792	-	-	-	-	-	0.392	-	-	-	-0.254	3.38	
	95% CI Low.	0.265	-	-	-	-	-	-0.168	-	-	-	-0.683		
	Upp.	1.319	-	-	-	-	-	0.952	-	-	-	0.176		
M52	Estimate	0.792	-	-	-	-	-	0.345	-	-	-0.411	-	3.40	
	95% CI Low.	0.285	-	-	-	-	-	-0.235	-	-	-0.848	-		
	Upp.	1.299	-	-	-	-	-	0.926	-	-	0.025	-		
M53	Estimate	0.801	-	-	-	-	-0.131	0.364	-	-	-0.414	-	3.41	
	95% CI Low.	0.281	-	-	-	-	-0.569	-0.224	-	-	-0.852	-		
	Upp.	1.321	-	-	-	-	0.307	0.951	-	-	0.023	-		
M54	Estimate	0.781	-	-	-	-0.378	-	-	-	-	-	-0.283	3.46	
	95% CI Low.	0.274	-	-	-	-0.892	-	-	-	-	-	-0.708		
	Upp.	1.288	-	-	-	0.137	-	-	-	-	-	0.142		
M55	Estimate	0.774	-	-	-	-	-	-	-	-	-	-0.240	3.47	
	95% CI Low.	0.228	-	-	-	-	-	-	-	-	-	-0.672		
	Upp.	1.321	-	-	-	-	-	-	-	-	-	0.192		
M56	Estimate	0.841	-	-	-	-	-	0.378	0.476	0.088	-	-	3.48	
	95% CI Low.	0.256	-	-	-	-	-	-0.196	-0.068	-0.380	-	-		
	Upp.	1.426	-	-	-	-	-	0.952	1.019	0.557	-	-		
M57	Estimate	0.849	-	-	-	-	-0.174	0.377	0.461	-	-0.364	-0.198	3.51	
	95% CI Low.	0.297	-	-	-	-	-0.624	-0.205	-0.090	-	-0.815	-0.646		
	Upp.	1.401	-	-	-	-	0.276	0.959	1.011	-	0.086	0.251		
M58	Estimate	0.829	-	-	-	-0.388	-	0.445	-	-0.183	-0.378	-0.184	3.52	
	95% CI Low.	0.317	-	-	-	-0.922	-	-0.108	-	0.619	-0.824	-0.627		
	Upp.	1.340	-	-	-	0.147	-	0.998	-	0.254	0.069	0.258		
M59	Estimate	0.853	-	-	-	-0.369	-	0.362	0.476	-	-0.210	-	3.56	
	95% CI Low.	0.302	-	-	-	-0.915	-	-0.208	-0.072	-	-0.648	-		
	Upp.	1.404	-	-	-	0.176	-	0.932	1.023	-	0.227	-		

Table B.4A. [Continued]

		Intercept	Month (ref: May)			Fallow deer	Roe deer	Red deer	Moose	Wild boar	Mean height field layer	Coefficient of variance of height field layer	Temperature	ΔAIC
			June	July	August									
M60	Estimate	0.817	-	-	-	-0.132	-	0.464	-	-0.140	-0.426	-	3.59	
	95% CI Low.	0.259	-	-	-	-0.584	-	-0.086	-	-0.582	-0.875	-		
	95% CI Upp.	1.375	-	-	-	0.319	-	1.013	-	0.301	0.024	-		
M61	Estimate	0.814	-	-	-	-	-	0.451	0.061	-	-0.391	-0.170	3.59	
	95% CI Low.	0.271	-	-	-	-	-	-0.095	-0.404	-	-0.849	-0.615		
	95% CI Upp.	1.357	-	-	-	-	-	0.998	0.526	-	0.068	0.274		
M62	Estimate	0.806	-	-	-	-0.361	-	0.371	-	-	-	-0.296	3.63	
	95% CI Low.	0.304	-	-	-	-0.883	-	-0.185	-	-	-	-0.720		
	95% CI Upp.	1.308	-	-	-	0.160	-	0.927	-	-	-	0.128		
M63	Estimate	0.853	-	-	-	-	-0.183	0.412	0.478	-	-	-0.261	3.63	
	95% CI Low.	0.272	-	-	-	-	-0.636	-0.160	-0.070	-	-	-0.075		
	95% CI Upp.	1.434	-	-	-	-	0.270	0.984	1.027	-	-	0.183		
M64	Estimate	0.800	-	-	-	-0.311	-	0.360	-	-	-	-	3.64	
	95% CI Low.	0.280	-	-	-	-0.836	-	-0.205	-	-	-	-		
	95% CI Upp.	1.320	-	-	-	0.214	-	0.926	-	-	-	-		
M65	Estimate	0.781	-	-	-	-0.315	-0.096	-	-	-	-0.432	-	3.71	
	95% CI Low.	0.288	-	-	-	-0.831	-0.526	-	-	-	-0.869	-		
	95% CI Upp.	1.274	-	-	-	0.200	0.333	-	-	-	0.004	-		
M66	Estimate	0.857	-	-	-	-0.302	-	0.332	0.454	0.024	-	-0.385	3.72	
	95% CI Low.	0.319	-	-	-	-0.840	-	-0.250	-0.099	-0.432	-	-0.830		
	95% CI Upp.	1.394	-	-	-	0.236	-	0.914	1.007	0.479	-	0.060		
M67	Estimate	0.839	-	-	-	-0.347	-0.140	-	0.457	-	-	-0.378	-0.221	3.73
	95% CI Low.	0.308	-	-	-	-0.881	-0.580	-	-0.105	-	-	-0.828	-0.664	
	95% CI Upp.	1.371	-	-	-	0.188	0.300	-	1.019	-	-	0.072	0.223	
M68	Estimate	0.791	-	-	-	-	-	0.355	-	-0.006	-	-0.416	-	3.76
	95% CI Low.	0.286	-	-	-	-	-	-0.227	-	-0.455	-	-0.854	-	
	95% CI Upp.	1.296	-	-	-	-	-	0.937	-	0.443	-	0.022	-	
M69	Estimate	0.827	-	-	-	-	-0.165	-	0.477	-	-	-0.244	3.77	
	95% CI Low.	0.235	-	-	-	-	-0.614	-	-0.074	-	-	-0.688		
	95% CI Upp.	1.419	-	-	-	-	0.284	-	1.028	-	-	0.200		
M70	Estimate	0.834	-	-	-	-0.325	-0.139	-	0.480	-	-	-	3.82	
	95% CI Low.	0.257	-	-	-	-0.861	-0.583	-	-0.075	-	-	-		
	95% CI Upp.	1.410	-	-	-	0.212	0.304	-	1.035	-	-	-		
M71	Estimate	0.812	-	-	-	-	-	-	0.456	0.052	-0.155	-0.417	3.88	
	95% CI Low.	0.263	-	-	-	-	-	-	-0.089	-0.416	-0.591	-0.870		
	95% CI Upp.	1.361	-	-	-	-	-	-	1.002	0.521	0.281	0.036		

Table B.4A. [Continued]

		Intercept	Month (ref: May)			Fallow deer	Roe deer	Red deer	Moose	Wild boar	Mean height field layer	Coefficient of variance of height field layer	Temperature	Δ AIC
			June	July	August									
M72	Estimate	0.831	-	-	-	-0.413	-	-	0.463	-	-0.189	-	-0.250	3.89
	95% CI	Low.	0.292	-	-	-	-0.949	-	-0.089	-	-0.630	-	-0.689	
	Upp.	1.370	-	-	-	0.122	-	-	1.015	-	0.251	-	0.189	
M73	Estimate	0.833	-	-	-	-	-	0.354	0.446	-	-0.110	-0.366	-0.167	3.89
	95% CI	Low.	0.302	-	-	-	-	-0.219	-0.096	-	-0.542	-0.813	-0.616	
	Upp.	1.364	-	-	-	-	-	0.927	0.989	-	0.322	0.082	0.283	
M74	Estimate	0.778	-	-	-	-0.324	-	-	-	0.023	-	-0.430	-	3.90
	95% CI	Low.	0.292	-	-	-0.837	-	-	-	-0.416	-	-0.869	-	
	Upp.	1.264	-	-	-	0.190	-	-	-	0.463	-	0.009	-	
M75	Estimate	0.822	-	-	-	-	-0.146	-	0.469	0.042	-	-0.425	-	3.95
	95% CI	Low.	0.256	-	-	-	-0.596	-	-0.084	-0.431	-	-0.880	-	
	Upp.	1.388	-	-	-	-	0.304	-	1.021	0.515	-	0.031	-	
M76	Estimate	0.829	-	-	-	-0.329	-	-	0.476	0.117	-	-	-	3.95
	95% CI	Low.	0.262	-	-	-0.863	-	-	-0.076	-0.343	-	-	-	
	Upp.	1.396	-	-	-	0.206	-	-	1.029	0.577	-	-	-	
M77	Estimate	0.868	-	-	-	-0.312	-0.159	0.389	0.488	-	-	-	-	3.96
	95% CI	Low.	0.289	-	-	-0.861	-0.189	-0.189	-0.065	-	-	-	-	
	Upp.	1.446	-	-	-	0.230	0.968	0.968	1.042	-	-	-	-	
M78	Estimate	0.822	-	-	-	-	-	-	0.471	0.133	-	-	-0.239	3.99
	95% CI	Low.	0.237	-	-	-	-	-	-0.074	-0.335	-	-	-0.682	
	Upp.	1.407	-	-	-	-	-	-	1.016	0.601	-	-	0.203	

Table B.4B. Standardized model estimates with 95% confidence intervals for the analysis of the association between the presence of questing *I. ricinus* nymphs and ungulate visitation frequencies, for the deer species summed. Models presented are the best performing GLMMs with a binomial distribution. The final model selected on which interpretations were based is highlighted in bold. M = model.

		Intercept	Month (ref: May)			Deer	Wild boar	Mean height field layer	Coefficient of variance of height field layer	Temperature	Δ AIC
			June	July	August						
M1	Estimate	0.767	-	-	-	-	-	-	-0.444	-	0.00
	95% CI	Low.	0.257	-	-	-	-	-	-0.885	-	
		Upp.	1.278	-	-	-	-	-	-0.003	-	
M2	Estimate	0.766	-	-	-	-	-	-	-0.414	-0.174	1.33
	95% CI	Low.	0.267	-	-	-	-	-	-0.860	-0.606	
		Upp.	1.266	-	-	-	-	-	0.031	0.258	
M3	Estimate	0.769	-	-	-	-0.175	-	-	-0.460	-	1.50
	95% CI	Low.	0.267	-	-	-	-0.606	-	-0.902	-	
		Upp.	1.272	-	-	-	0.255	-	-0.018	-	
M4	Estimate	0.769	-	-	-	-	-	-0.147	-0.439	-	1.69
	95% CI	Low.	0.257	-	-	-	-	-0.574	-0.881	-	
		Upp.	1.280	-	-	-	-	0.279	0.004	-	
M5	Estimate	0.774	-	-	-	-	-	-	-	-	1.70
	95% CI	Low.	0.209	-	-	-	-	-	-	-	
		Upp.	1.339	-	-	-	-	-	-	-	
M6	Estimate	0.768	-	-	-	-	0.020	-	-0.441	-	2.14
	95% CI	Low.	0.255	-	-	-	-	-0.433	-0.887	-	
		Upp.	1.282	-	-	-	-	0.474	0.005	-	
M7	Estimate	0.774	-	-	-	-	-	-	-	-0.240	2.31
	95% CI	Low.	0.228	-	-	-	-	-	-	-0.672	
		Upp.	1.321	-	-	-	-	-	-	0.192	
M8	Estimate	0.770	-	-	-	-0.214	-	-	-0.426	-0.216	2.56
	95% CI	Low.	0.281	-	-	-	-0.645	-	-0.872	-0.654	
		Upp.	1.260	-	-	-	0.218	-	0.019	0.223	
M9	Estimate	0.771	-	-	-	-0.200	-	-0.175	-0.457	-	3.05
	95% CI	Low.	0.269	-	-	-	-0.634	-	-0.604	-0.900	
		Upp.	1.272	-	-	-	0.235	-	0.255	-0.013	
M10	Estimate	0.777	-	-	-	-	-	-0.171	-	-	3.22
	95% CI	Low.	0.209	-	-	-	-	-	-0.606	-	
		Upp.	1.344	-	-	-	-	-	0.265	-	
M11	Estimate	0.768	-	-	-	-	-	-0.119	-0.414	-0.152	3.26
	95% CI	Low.	0.267	-	-	-	-	-	-0.549	-0.860	-0.594
		Upp.	1.269	-	-	-	-	-	0.311	0.033	0.289

Table B.4B. [Continued]

		Intercept	Month (ref: May)			Deer	Wild boar	Mean height field layer	Coefficient of variance of height field layer	Temperature	Δ AIC
			June	July	August						
M12	Estimate	0.774	-	-	-	-0.137	-	-	-	-	3.45
	95% CI	Low.	0.218	-	-	-	-0.587	-	-	-	
		Upp.	1.330	-	-	-	0.312	-	-	-	
M13	Estimate	0.768	-	-	-	-	0.035	-	-0.409	-0.177	3.49
	95% CI	Low.	0.265	-	-	-	-0.418	-	-0.861	-0.611	
		Upp.	1.272	-	-	-	0.487	-	0.044	0.258	
M14	Estimate	0.778	-	-	-	-	0.097	-	-	-	3.64
	95% CI	Low.	0.207	-	-	-	-0.362	-	-	-	
		Upp.	1.350	-	-	-	0.557	-	-	-	
M15	Estimate	0.770	-	-	-	-0.176	0.025	-	-0.457	-	3.68
	95% CI	Low.	0.265	-	-	-0.607	-0.424	-	-0.904	-	
		Upp.	1.276	-	-	-	0.255	0.475	-	-0.010	
M16	Estimate	0.777	-	-	-	-0.196	-	-	-	-0.281	3.72
	95% CI	Low.	0.242	-	-	-0.644	-	-	-	-0.722	
		Upp.	1.311	-	-	-	0.253	-	-	0.159	
M17	Estimate	0.770	-	-	-	-	0.024	-0.148	-0.435	-	3.86
	95% CI	Low.	0.256	-	-	-	-0.433	-0.576	-0.884	-	
		Upp.	1.285	-	-	-	0.481	0.280	0.014	-	

Table B.4C. Standardized model estimates with 95% confidence intervals for the analysis of the association between the presence of questing *I. ricinus* nymphs and ungulate visitation frequencies, for the ungulate species summed. Models presented are the best performing GLMMs with a binomial distribution. The final model selected on which interpretations were based is highlighted in bold. M = model.

		Intercept	Month (ref: May)			Ungulates	Mean height field layer	Coefficient of variance of height field layer	Temperature	Δ AIC
			June	July	August					
M1	Estimate	0.767	-	-	-	-	-	-0.444	-	0.00
	95% CI	Low.	0.257	-	-	-	-	-0.885	-	
		Upp.	1.278	-	-	-	-	-0.003	-	
M2	Estimate	0.770	-	-	-	-0.214	-	-0.466	-	1.23
	95% CI	Low.	0.269	-	-	-0.655	-	-0.908	-	
		Upp.	1.271	-	-	-	0.227	-	-0.023	

Table B.4C. [Continued]

		Intercept	Month (ref: May)			Ungulates	Mean height field layer	Coefficient of variance of height field layer	Temperature	Δ AIC
			June	July	August					
M3	Estimate	0.766	-	-	-	-	-	-0.414	-0.174	1.33
	95% CI Low.	0.267	-	-	-	-	-	-0.860	-0.606	
	Upp.	1.266	-	-	-	-	-	0.031	0.258	
M4	Estimate	0.769	-	-	-	-	-0.147	-0.439	-	1.69
	95% CI Low.	0.257	-	-	-	-	-0.574	-0.881	-	
	Upp.	1.280	-	-	-	-	0.279	0.004	-	
M5	Estimate	0.774	-	-	-	-	-	-	-	1.70
	95% CI Low.	0.209	-	-	-	-	-	-	-	
	Upp.	1.339	-	-	-	-	-	-	-	
M6	Estimate	0.774	-	-	-	-	-	-	-0.240	2.31
	95% CI Low.	0.228	-	-	-	-	-	-	-0.672	
	Upp.	1.321	-	-	-	-	-	-	0.192	
M7	Estimate	0.771	-	-	-	-0.239	-	-0.433	-0.206	2.34
	95% CI Low.	0.283	-	-	-	-0.678	-	-0.879	-0.640	
	Upp.	1.260	-	-	-	0.199	-	0.013	0.228	
M8	Estimate	0.771	-	-	-	-0.232	-0.169	-0.462	-	2.81
	95% CI Low.	0.272	-	-	-	-0.675	-0.596	-0.906	-	
	Upp.	1.271	-	-	-	0.212	0.257	-0.018	-	
M9	Estimate	0.777	-	-	-	-	-0.171	-	-	3.22
	95% CI Low.	0.209	-	-	-	-	-0.606	-	-	
	Upp.	1.344	-	-	-	-	0.265	-	-	
M10	Estimate	0.776	-	-	-	-0.175	-	-	-	3.26
	95% CI Low.	0.221	-	-	-	-0.640	-	-	-	
	Upp.	1.330	-	-	-	0.290	-	-	-	
M11	Estimate	0.768	-	-	-	-	-0.119	-0.414	-0.152	3.26
	95% CI Low.	0.267	-	-	-	-	-0.549	-0.860	-0.594	
	Upp.	1.269	-	-	-	-	0.311	0.033	0.289	
M12	Estimate	0.778	-	-	-	-0.215	-	-	-0.272	3.58
	95% CI Low.	0.243	-	-	-	-0.673	-	-	-0.707	
	Upp.	1.313	-	-	-	0.243	-	-	0.164	

Table B.5A. Standardized model estimates with 95% confidence intervals for the analysis of the association between the presence of questing *I. ricinus* adults and ungulate visitation frequencies. Models presented are the best performing GLMMs with a binomial distribution. The final model selected on which interpretations were based is highlighted in bold. M = model.

		Intercept	Month (ref: May)			Fallow deer	Roe deer	Red deer	Moose	Wild boar	Mean height field layer	Coefficient of variance of height field layer	Temperature	Δ AIC
			June	July	August									
M1	Estimate	-2.352	-	-	-	-	-	-	-	-	-0.714	-0.989	0.00	
	95% CI Low.	-3.130	-	-	-	-	-	-	-	-	-1.480	-1.710		
	95% CI Upp.	-1.573	-	-	-	-	-	-	-	-	0.051	-0.269		
M2	Estimate	-2.440	-	-	-	-	0.373	-	-	-	-0.758	-1.025	0.57	
	95% CI Low.	-3.269	-	-	-	-	-0.247	-	-	-	-1.540	-1.776		
	95% CI Upp.	-1.611	-	-	-	-	0.993	-	-	-	0.024	-0.274		
M3	Estimate	-2.437	-	-	-	-	-	-	-0.389	-	-0.808	-1.008	0.63	
	95% CI Low.	-3.267	-	-	-	-	-	-	-1.031	-	-1.636	-1.750		
	95% CI Upp.	-1.607	-	-	-	-	-	-	0.253	-	0.020	-0.266		
M4	Estimate	-2.362	-	-	-	-	-	-	-	-	-	-1.129	1.36	
	95% CI Low.	-3.358	-	-	-	-	-	-	-	-	-	-1.912		
	95% CI Upp.	-1.367	-	-	-	-	-	-	-	-	-	-0.345		
M5	Estimate	-2.379	-	-	-	-	-	0.185	-	-	-0.729	-0.999	1.67	
	95% CI Low.	-3.175	-	-	-	-	-	-0.332	-	-	-1.509	-1.728		
	95% CI Upp.	-1.583	-	-	-	-	-	0.702	-	-	0.051	-0.270		
M6	Estimate	-2.491	-	-	-	-	0.318	-	-0.331	-	-0.835	-1.028	1.69	
	95% CI Low.	-3.174	-	-	-	-	-0.308	-	-0.975	-	-1.671	-1.795		
	95% CI Upp.	-1.583	-	-	-	-	0.944	-	0.313	-	0.001	-0.261		
M7	Estimate	-2.366	-	-	-	-	-	-	-	0.136	-0.704	-1.038	1.92	
	95% CI Low.	-3.153	-	-	-	-	-	-	-	-0.460	-1.470	-1.804		
	95% CI Upp.	-1.578	-	-	-	-	-	-	-	0.732	0.063	-0.272		
M8	Estimate	-2.354	-	-	-	-0.090	-	-	-	-	-0.679	-1.003	2.05	
	95% CI Low.	-3.134	-	-	-	-0.621	-	-	-	-	-1.467	-1.732		
	95% CI Upp.	-1.573	-	-	-	0.442	-	-	-	-	0.109	-0.274		
M9	Estimate	-2.353	-	-	-	-	-0.096	-	-	-	-0.730	-0.986	2.09	
	95% CI Low.	-3.132	-	-	-	-	-0.675	-	-	-	-1.501	-1.708		
	95% CI Upp.	-1.574	-	-	-	-	0.483	-	-	-	0.042	-0.264		
M10	Estimate	-2.460	-	-	-	-	0.365	-	0.178	-	-0.774	-1.029	2.35	
	95% CI Low.	-3.300	-	-	-	-	-0.254	-	-0.358	-	-1.570	-1.786		
	95% CI Upp.	-1.621	-	-	-	-	0.984	-	0.714	-	0.023	-0.272		
M11	Estimate	-2.374	-	-	-	-	0.303	-	-	-	-	-1.129	2.40	
	95% CI Low.	-3.361	-	-	-	-	-0.312	-	-	-	-	-1.915		
	95% CI Upp.	-1.387	-	-	-	-	0.918	-	-	-	-	-0.343		

Table B.5A. [Continued]

		Intercept	Month (ref: May)			Fallow deer	Roe deer	Red deer	Moose	Wild boar	Mean height field layer	Coefficient of variance of height field layer	Temperature	ΔAIC
			June	July	August									
M12	Estimate	-2.420	-	-	-	-	-	-	-0.321	-	-	-1.173	2.53	
	95% CI Low.	-3.469	-	-	-	-	-	-	-0.991	-	-	-1.996		
	95% CI Upp.	-1.372	-	-	-	-	-	-	0.350	-	-	-0.351		
M13	Estimate	-2.451	-	-	-	0.365	-	-	-	0.111	-0.749	-1.064	2.62	
	95% CI Low.	-3.286	-	-	-	-0.257	-	-	-	-0.513	-1.532	-1.859		
	95% CI Upp.	-1.615	-	-	-	0.988	-	-	-	0.735	0.034	-0.270		
M14	Estimate	-2.443	-	-	-	-	-	0.113	-0.359	-	-0.810	-1.007	2.66	
	95% CI Low.	-3.278	-	-	-	-	-	-0.432	-1.017	-	-1.643	-1.752		
	95% CI Upp.	-1.609	-	-	-	-	-	0.659	0.299	-	0.023	-0.262		
M15	Estimate	-2.440	-	-	-	0.373	-0.095	-	-	-	-0.771	-1.021	2.70	
	95% CI Low.	-3.268	-	-	-	-0.246	-0.671	-	-	-	-1.558	-1.774		
	95% CI Upp.	-1.612	-	-	-	0.992	0.480	-	-	-	0.016	-0.269		
M16	Estimate	-2.442	-	-	-	-	-	-	-0.378	0.092	-0.797	-1.037	2.71	
	95% CI Low.	-3.274	-	-	-	-	-	-	-1.024	-0.524	-1.624	-1.814		
	95% CI Upp.	-1.610	-	-	-	-	-	-	0.268	0.709	0.031	-0.261		
M17	Estimate	-2.440	-	-	-	-0.059	0.368	-	-	-	-0.732	-1.034	2.73	
	95% CI Low.	-3.270	-	-	-	-0.599	-0.255	-	-	-	-1.545	-1.792		
	95% CI Upp.	-1.610	-	-	-	0.482	0.991	-	-	-	0.081	-0.276		
M18	Estimate	-2.437	-	-	-	-0.059	-	-	-0.382	-	-0.780	-1.018	2.79	
	95% CI Low.	-3.267	-	-	-	-0.598	-	-	-1.026	-	-1.640	-1.770		
	95% CI Upp.	-1.607	-	-	-	0.480	-	-	0.261	-	0.080	-0.267		
M19	Estimate	-2.451	-	-	-	-	-0.061	-	-0.387	-	-0.815	-1.009	2.82	
	95% CI Low.	-3.518	-	-	-	-	-0.714	-	-0.108	-	-0.165	-1.782		
	95% CI Upp.	-1.383	-	-	-	-	0.593	-	0.303	-	0.020	-0.236		
M20	Estimate	-2.298	-	-	-	-0.205	-	-	-	-	-	-1.120	3.00	
	95% CI Low.	-3.253	-	-	-	-0.787	-	-	-	-	-	-1.880		
	95% CI Upp.	-1.342	-	-	-	0.376	-	-	-	-	-	-0.360		
M21	Estimate	-2.363	-	-	-	-	-	0.165	-	-	-	-1.134	3.08	
	95% CI Low.	-3.356	-	-	-	-	-	-0.360	-	-	-	-1.922		
	95% CI Upp.	-1.370	-	-	-	-	-	0.690	-	-	-	-0.347		
M22	Estimate	-2.342	-	-	-	-	-	-	-	0.130	-	-1.165	3.25	
	95% CI Low.	-3.316	-	-	-	-	-	-	-	-0.484	-	-1.969		
	95% CI Upp.	-1.368	-	-	-	-	-	-	-	0.743	-	-0.362		
M23	Estimate	-2.396	-	-	-	-	-0.099	-	-	-	-	-1.142	3.43	
	95% CI Low.	-3.440	-	-	-	-	-0.748	-	-	-	-	-1.944		
	95% CI Upp.	-1.352	-	-	-	-	0.550	-	-	-	-	-0.341		

Table B.5A. [Continued]

		Intercept	Month (ref: May)			Fallow deer	Roe deer	Red deer	Moose	Wild boar	Mean height field layer	Coefficient of variance of height field layer	Temperature	ΔAIC
			June	July	August									
M24	Estimate	-2.391	-	-	-	-	-	0.179	-	0.128	-0.717	-1.044	3.67	
	95% CI	Low. -3.194	-	-	-	-	-	-0.339	-	-0.482	-1.498	-1.819		
	Upp. -1.588	-	-	-	-	-	-	0.697	-	0.737	0.064	-0.270		
M25	Estimate	-2.496	-	-	-	-	0.316	0.113	-0.300	-	-0.837	-1.026	3.78	
	95% CI	Low. -3.355	-	-	-	-	-0.310	-0.451	-0.963	-	-1.677	-1.795		
	Upp. -1.637	-	-	-	-	0.942	-	0.676	0.363	-	0.003	-0.257		
M26	Estimate	-2.380	-	-	-	-	-0.096	0.185	-	-	-0.744	-0.995	3.80	
	95% CI	Low. -3.175	-	-	-	-	-0.675	-0.332	-	-	-1.529	-1.726		
	Upp. -1.584	-	-	-	-	-	0.483	0.702	-	-	0.042	-0.265		
M27	Estimate	-2.379	-	-	-	-0.071	-	0.178	-	-	-0.699	-1.009	3.81	
	95% CI	Low. -3.176	-	-	-	-0.604	-	-0.342	-	-	-1.506	-1.745		
	Upp. -1.583	-	-	-	-	0.462	-	0.698	-	-	0.107	-0.273		
M28	Estimate	-2.495	-	-	-	-	0.313	-	-0.323	0.067	-0.826	-1.049	3.88	
	95% CI	Low. -3.353	-	-	-	-	-0.316	-	-0.972	-0.574	-1.663	-1.849		
	Upp. -1.636	-	-	-	-	-	0.943	-	0.327	0.708	0.011	-0.249		
M29	Estimate	-2.419	-	-	-	-	0.258	-	-0.268	-	-	-1.163	3.92	
	95% CI	Low. -3.456	-	-	-	-	-0.365	-	-0.937	-	-	-1.984		
	Upp. -1.383	-	-	-	-	-	0.881	-	0.401	-	-	-0.342		
M30	Estimate	-2.489	-	-	-	-	0.318	-0.058	-	-0.323	-	-0.841	3.92	
	95% CI	Low. -3.346	-	-	-	-	-0.307	-0.641	-	-0.972	-	-1.678		
	Upp. -1.633	-	-	-	-	-	0.944	0.526	-	0.326	-	-0.004		
M31	Estimate	-2.491	-	-	-	-0.041	0.316	-	-0.328	-	-0.814	-1.035	3.92	
	95% CI	Low. -3.349	-	-	-	-0.583	-0.313	-	-0.973	-	-1.688	-1.810		
	Upp. -1.633	-	-	-	-	0.500	0.944	-	0.317	-	0.060	-0.260		

Table B.5B. Standardized model estimates with 95% confidence intervals for the analysis of the association between the presence of questing *I. ricinus* adults and ungulate visitation frequencies, for the deer species summed. Models presented are the best performing GLMMs with a binomial distribution. The final model selected on which interpretations were based is highlighted in bold. M = model.

		Intercept	Month (ref: May)			Deer	Wild boar	Mean height field layer	Coefficient of variance of height field layer	Temperature	Δ AIC
			June	July	August						
M1	Estimate	-2.352	-	-	-	-	-	-	-0.714	-0.989	0.00
	95% CI	Low.	-3.130	-	-	-	-	-	-1.480	-1.710	
		Upp.	-1.573	-	-	-	-	-	0.051	-0.269	
M2	Estimate	-2.437	-	-	-	-	-0.389	-	-0.808	-1.008	0.63
	95% CI	Low.	-3.267	-	-	-	-1.031	-	-1.636	-1.750	
		Upp.	-1.607	-	-	-	0.253	-	0.020	-0.266	
M3	Estimate	-2.362	-	-	-	-	-	-	-	-1.129	1.36
	95% CI	Low.	-3.358	-	-	-	-	-	-	-1.912	
		Upp.	-1.367	-	-	-	-	-	-	-0.345	
M4	Estimate	-2.367	-	-	-	-0.306	-	-	-0.679	-1.021	1.40
	95% CI	Low.	-3.152	-	-	-0.959	-	-	-1.437	-1.747	
		Upp.	-1.582	-	-	0.347	-	-	0.079	-0.295	
M5	Estimate	-2.366	-	-	-	-	-	0.136	-0.704	-1.038	1.92
	95% CI	Low.	-3.153	-	-	-	-	-0.460	-1.470	-1.804	
		Upp.	-1.578	-	-	-	-	0.732	0.063	-0.272	
M6	Estimate	-2.435	-	-	-	-0.241	-0.349	-	-0.755	-1.036	2.39
	95% CI	Low.	-3.261	-	-	-0.905	-0.995	-	-1.574	-1.785	
		Upp.	-1.608	-	-	0.422	0.298	-	0.065	-0.287	
M7	Estimate	-2.420	-	-	-	-	-0.321	-	-	-1.173	2.53
	95% CI	Low.	-3.469	-	-	-	-0.991	-	-	-1.996	
		Upp.	-1.372	-	-	-	0.350	-	-	-0.351	
M8	Estimate	-2.327	-	-	-	-0.332	-	-	-	-1.147	2.66
	95% CI	Low.	-3.283	-	-	-0.980	-	-	-	-1.912	
		Upp.	-1.370	-	-	0.315	-	-	-	-0.381	
M9	Estimate	-2.442	-	-	-	-	-0.378	0.092	-0.797	-1.037	2.71
	95% CI	Low.	-3.274	-	-	-	-1.024	-0.524	-1.624	-1.814	
		Upp.	-1.610	-	-	-	0.268	0.709	0.031	-0.261	
M10	Estimate	-2.342	-	-	-	-	-	0.130	-	-1.165	3.25
	95% CI	Low.	-3.316	-	-	-	-	-0.484	-	-1.969	
		Upp.	-1.368	-	-	-	-	0.743	-	-0.362	
M11	Estimate	-2.373	-	-	-	-0.287	-	0.080	-0.673	-1.046	3.52
	95% CI	Low.	-3.161	-	-	-0.957	-	-0.549	-1.434	-1.807	
		Upp.	-1.584	-	-	0.383	-	0.708	0.087	-0.285	

Table B.5C. Standardized model estimates with 95% confidence intervals for the analysis of the association between the presence of questing *I. ricinus* adults and ungulate visitation frequencies, for the ungulate species summed. Models presented are the best performing GLMMs with a binomial distribution. The final model selected on which interpretations were based is highlighted in bold. M = model.

		Intercept	Month (ref: May)			Ungulates	Mean height field layer	Coefficient of variance of height field layer	Temperature	Δ AIC
			June	July	August					
M1	Estimate	-2.352	-	-	-	-	-	-0.714	-0.989	0.00
	95% CI Low.	-3.130	-	-	-	-	-	-1.479	-1.710	
	95% CI Upp.	-1.573	-	-	-	-	-	0.051	-0.269	
M2	Estimate	-2.386	-	-	-	-0.384	-	-0.677	-1.024	0.81
	95% CI Low.	-3.178	-	-	-	-1.006	-	-1.441	-1.755	
	95% CI Upp.	-1.594	-	-	-	0.238	-	0.088	-0.293	
M3	Estimate	-2.362	-	-	-	-	-	-	-1.129	1.36
	95% CI Low.	-3.358	-	-	-	-	-	-	-1.912	
	95% CI Upp.	-1.367	-	-	-	-	-	-	-0.345	
M4	Estimate	-2.366	-	-	-	-	0.136	-0.704	-1.038	1.92
	95% CI Low.	-3.153	-	-	-	-	-0.460	-1.470	-1.804	
	95% CI Upp.	-1.578	-	-	-	-	0.732	0.063	-0.272	
M5	Estimate	-2.341	-	-	-	-0.411	-	-	-1.162	2.05
	95% CI Low.	-3.299	-	-	-	-1.021	-	-	-1.937	
	95% CI Upp.	-1.383	-	-	-	0.199	-	-	-0.386	
M6	Estimate	-2.389	-	-	-	-0.370	0.061	-0.672	-1.044	2.96
	95% CI Low.	-3.183	-	-	-	-1.008	-0.567	-1.438	-1.807	
	95% CI Upp.	-1.595	-	-	-	0.267	0.689	0.095	-0.280	
M7	Estimate	-2.342	-	-	-	-	0.130	-	-1.165	3.25
	95% CI Low.	-3.316	-	-	-	-	-0.484	-	-1.969	
	95% CI Upp.	-1.368	-	-	-	-	0.743	-	-0.362	

Table B.6A. Standardized model estimates with 95% confidence intervals for the analysis of the association between the presence of questing *I. ricinus* ticks (larvae, nymphs and adults combined) and ungulate visitation frequencies. Models presented are the best performing GLMMs with a binomial distribution. The final model selected on which interpretations were based is highlighted in bold. M = model.

		Intercept	Month (ref: May)			Fallow deer	Roe deer	Red deer	Moose	Wild boar	Mean height field layer	Coefficient of variance of height field layer	Temperature	ΔAIC
			June	July	August									
M1	Estimate	1.441	-	-	-	-	-	-	-	-	-0.405	-	0.00	
	95% CI Low.	0.702	-	-	-	-	-	-	-	-	-0.902	-		
	Upp.	2.179	-	-	-	-	-	-	-	-	0.091	-		
M2	Estimate	1.451	-	-	-	-	-	-	-	-	-	-	0.43	
	95% CI Low.	0.669	-	-	-	-	-	-	-	-	-	-		
	Upp.	2.232	-	-	-	-	-	-	-	-	-	-		
M3	Estimate	1.454	-	-	-	-	-	-	-	-	-0.384	-0.233	1.23	
	95% CI Low.	0.713	-	-	-	-	-	-	-	-	-0.883	-0.731		
	Upp.	2.195	-	-	-	-	-	-	-	-	0.115	0.266		
M4	Estimate	1.463	-	-	-	-	-	-	-	-	-	-0.269	1.32	
	95% CI Low.	0.686	-	-	-	-	-	-	-	-	-	-0.770		
	Upp.	2.239	-	-	-	-	-	-	-	-	-	0.231		
M5	Estimate	1.474	-	-	-	-	-	0.230	-	-	-0.399	-	1.43	
	95% CI Low.	0.700	-	-	-	-	-	-0.326	-	-	-0.901	-		
	Upp.	2.249	-	-	-	-	-	0.785	-	-	0.103	-		
M6	Estimate	1.481	-	-	-	-	-	0.245	-	-	-	-	1.70	
	95% CI Low.	0.670	-	-	-	-	-	-0.304	-	-	-	-		
	Upp.	2.292	-	-	-	-	-	0.795	-	-	-	-		
M7	Estimate	1.442	-	-	-	-	-	0.138	-	-	-0.397	-	1.94	
	95% CI Low.	0.710	-	-	-	-	-	-0.473	-	-	-0.891	-		
	Upp.	2.174	-	-	-	-	-	0.748	-	-	0.098	-		
M8	Estimate	1.449	-	-	-	-	-	-	-	-0.109	-0.408	-	1.97	
	95% CI Low.	0.701	-	-	-	-	-	-	-	-0.620	-0.907	-		
	Upp.	2.197	-	-	-	-	-	-	-	0.401	0.090	-		
M9	Estimate	1.444	-	-	-	-	-0.052	-	-	-	-0.402	-	2.10	
	95% CI Low.	0.700	-	-	-	-	-0.547	-	-	-	-0.899	-		
	Upp.	2.188	-	-	-	-	0.443	-	-	-	0.096	-		
M10	Estimate	1.440	-	-	-	-0.055	-	-	-	-	-0.398	-	2.11	
	95% CI Low.	0.705	-	-	-	-0.641	-	-	-	-	-0.899	-		
	Upp.	2.175	-	-	-	0.530	-	-	-	-	0.103	-		
M11	Estimate	1.440	-	-	-	-	-	-	-0.013	-	-0.406	-	2.14	
	95% CI Low.	0.701	-	-	-	-	-	-	-0.541	-	-0.904	-		
	Upp.	2.178	-	-	-	-	-	-	0.515	-	0.092	-		

Table B.6A. [Continued]

		Intercept	Month (ref: May)			Fallow deer	Roe deer	Red deer	Moose	Wild boar	Mean height field layer	Coefficient of variance of height field layer	Temperature	Δ AIC
			June	July	August									
M12	Estimate	1.447	-	-	-	-	0.157	-	-	-	-	-	2.25	
	95% CI Low.	0.678	-	-	-	-	-0.438	-	-	-	-	-		
	Upp.	2.216	-	-	-	-	0.752	-	-	-	-	-		
M13	Estimate	1.459	-	-	-	-	-	-	-	-0.103	-	-	2.38	
	95% CI Low.	0.668	-	-	-	-	-	-	-	-0.615	-	-		
	Upp.	2.250	-	-	-	-	-	-	-	0.409	-	-		
M14	Estimate	1.445	-	-	-	-0.115	-	-	-	-	-	-	2.39	
	95% CI Low.	0.676	-	-	-	-0.696	-	-	-	-	-	-		
	Upp.	2.215	-	-	-	0.466	-	-	-	-	-	-		
M15	Estimate	1.458	-	-	-	-	-0.083	-	-	-	-	-	2.43	
	95% CI Low.	0.667	-	-	-	-	-0.582	-	-	-	-	-		
	Upp.	2.248	-	-	-	-	0.415	-	-	-	-	-		
M16	Estimate	1.452	-	-	-	-	-	-	0.028	-	-	-	2.53	
	95% CI Low.	0.669	-	-	-	-	-	-	-0.501	-	-	-		
	Upp.	2.236	-	-	-	-	-	-	0.556	-	-	-		
M17	Estimate	1.496	-	-	-	-	-	0.241	-	-	-	-0.266	2.66	
	95% CI Low.	0.686	-	-	-	-	-	-0.312	-	-	-	-0.771		
	Upp.	2.305	-	-	-	-	-	0.793	-	-	-	0.238		
M18	Estimate	1.490	-	-	-	-	-	0.227	-	-	-0.379	-0.231	2.71	
	95% CI Low.	0.711	-	-	-	-	-	-0.331	-	-	-0.884	-0.735		
	Upp.	2.269	-	-	-	-	-	0.785	-	-	0.126	0.272		
M19	Estimate	1.459	-	-	-	-	0.173	-	-	-	-	-0.275	3.12	
	95% CI Low.	0.695	-	-	-	-	-0.419	-	-	-	-	-0.774		
	Upp.	2.223	-	-	-	-	0.765	-	-	-	-	0.223		
M20	Estimate	1.456	-	-	-	-	0.151	-	-	-	-0.374	-0.238	3.16	
	95% CI Low.	0.722	-	-	-	-	-0.454	-	-	-	-0.872	-0.736		
	Upp.	2.191	-	-	-	-	0.756	-	-	-	0.123	0.259		
M21	Estimate	1.456	-	-	-	-0.124	-	-	-	-	-	-0.271	3.29	
	95% CI Low.	0.692	-	-	-	-0.710	-	-	-	-	-	-0.769		
	Upp.	2.219	-	-	-	0.461	-	-	-	-	-	0.227		
M22	Estimate	1.453	-	-	-	-0.063	-	-	-	-	-0.376	-0.233	3.37	
	95% CI Low.	0.716	-	-	-	-0.652	-	-	-	-	-0.880	-0.731		
	Upp.	2.190	-	-	-	0.527	-	-	-	-	0.129	0.264		
M23	Estimate	1.451	-	-	-	-	-	-	-0.043	-	-0.387	-0.237	3.38	
	95% CI Low.	0.713	-	-	-	-	-	-	-0.571	-	-0.887	-0.739		
	Upp.	2.190	-	-	-	-	-	-	0.485	-	0.113	0.264		

Table B.6A. [Continued]

		Intercept	Month (ref: May)			Fallow deer	Roe deer	Red deer	Moose	Wild boar	Mean height field layer	Coefficient of variance of height field layer	Temperature	Δ AIC
			June	July	August									
M24	Estimate	1.485	-	-	-	-	-	0.238	-	-0.125	-0.402	-	3.38	
	95% CI Low.	0.700	-	-	-	-	-	-0.320	-	-0.638	-0.907	-		
	Upp.	2.271	-	-	-	-	-	0.796	-	0.388	0.102	-		
M25	Estimate	1.456	-	-	-	-	-0.036	-	-	-	-0.382	-0.231	3.39	
	95% CI Low.	0.712	-	-	-	-	-0.531	-	-	-	-0.882	-0.731		
	Upp.	2.200	-	-	-	-	0.459	-	-	-	0.119	0.270		
M26	Estimate	1.467	-	-	-	-	-0.064	-	-	-	-	-0.265	3.40	
	95% CI Low.	0.684	-	-	-	-	-0.562	-	-	-	-	-0.768		
	Upp.	2.250	-	-	-	-	0.434	-	-	-	-	0.238		
M27	Estimate	1.456	-	-	-	-	-	-	-	-0.043	-0.387	-0.221	3.40	
	95% CI Low.	0.712	-	-	-	-	-	-	-	-0.581	-0.888	-0.742		
	Upp.	2.200	-	-	-	-	-	-	-	0.496	0.114	0.300		
M28	Estimate	1.476	-	-	-	-	-	0.136	0.228	-	-0.391	-	3.41	
	95% CI Low.	0.708	-	-	-	-	-	-0.477	-0.327	-	-0.891	-		
	Upp.	2.244	-	-	-	-	-	0.749	0.782	-	0.110	-		
M29	Estimate	1.462	-	-	-	-	-	-	-	-0.010	-	-0.271	3.46	
	95% CI Low.	0.686	-	-	-	-	-	-	-	-0.539	-	-0.775		
	Upp.	2.238	-	-	-	-	-	-	-	0.520	-	0.234		
M30	Estimate	1.464	-	-	-	-	-	-	-	-0.020	-	-0.264	3.46	
	95% CI Low.	0.685	-	-	-	-	-	-	-	-0.563	-	-0.788		
	Upp.	2.242	-	-	-	-	-	-	-	0.523	-	0.260		
M31	Estimate	1.480	-	-	-	-	-0.068	-	0.236	-	-0.394	-	3.54	
	95% CI Low.	0.698	-	-	-	-	-0.571	-	-0.324	-	-0.898	-		
	Upp.	2.263	-	-	-	-	0.434	-	0.796	-	0.110	-		
M32	Estimate	1.479	-	-	-	-	-	0.156	0.244	-	-	-	3.57	
	95% CI Low.	0.679	-	-	-	-	-	-0.442	-0.305	-	-	-		
	Upp.	2.278	-	-	-	-	-	0.754	0.792	-	-	-		
M33	Estimate	1.476	-	-	-	-0.063	-	-	0.232	-	-0.391	-	3.57	
	95% CI Low.	0.704	-	-	-	-0.660	-	-	-0.326	-	-0.898	-		
	Upp.	2.247	-	-	-	0.533	-	-	0.790	-	0.115	-		
M34	Estimate	1.475	-	-	-	-	-	0.230	0.001	-	-0.399	-	3.61	
	95% CI Low.	0.699	-	-	-	-	-	-0.327	-0.539	-	-0.903	-		
	Upp.	2.250	-	-	-	-	-	0.786	0.540	-	0.105	-		
M35	Estimate	1.492	-	-	-	-	-	0.253	-	-0.118	-	-	3.64	
	95% CI Low.	0.670	-	-	-	-	-	-0.299	-	-0.631	-	-		
	Upp.	2.314	-	-	-	-	-	0.806	-	0.395	-	-		

Table B.6A. [Continued]

		Intercept	Month (ref: May)			Fallow deer	Roe deer	Red deer	Moose	Wild boar	Mean height field layer	Coefficient of variance of height field layer	Temperature	Δ AIC
			June	July	August									
M36	Estimate	1.479	-	-	-	-0.122	-	-	0.249	-	-	-	-	3.68
	95% CI	Low.	0.678	-	-	-	-0.713	-	-0.305	-	-	-	-	
		Upp.	2.281	-	-	-	0.469	-	0.802	-	-	-	-	
M37	Estimate	1.491	-	-	-	-	-0.101	-	0.254	-	-	-	-	3.69
	95% CI	Low.	0.668	-	-	-	-0.606	-	-0.302	-	-	-	-	
		Upp.	2.315	-	-	-	0.405	-	0.810	-	-	-	-	
M38	Estimate	0.647	0.215	1.776	1.022	-	-	-	-	-	-0.429	-0.713	3.79	
	95% CI	Low.	-0.997	-1.636	-0.682	-0.934	-	-	-	-	-	-0.943		-1.521
		Upp.	2.291	2.065	4.235	2.978	-	-	-	-	-	0.085		0.096
M39	Estimate	1.484	-	-	-	-	-	-	0.248	0.045	-	-	3.82	
	95% CI	Low.	0.670	-	-	-	-	-	-0.303	-0.493	-	-		
		Upp.	2.298	-	-	-	-	-	0.800	0.583	-	-		
M40	Estimate	1.450	-	-	-	-	-	0.129	-	-	-0.100	-0.400	3.98	
	95% CI	Low.	0.709	-	-	-	-	-	-0.484	-	-	-0.609		
		Upp.	2.191	-	-	-	-	-	0.742	-	-	0.410		0.096

Table B.6B. Standardized model estimates with 95% confidence intervals for the analysis of the association between the presence of questing *I. ricinus* ticks (larvae, nymphs and adults combined) and ungulate visitation frequencies, for the deer species summed. Models presented are the best performing GLMMs with a binomial distribution. The final model selected on which interpretations were based is highlighted in bold. M = model.

		Intercept	Month (ref: May)			Deer	Wild boar	Mean height field layer	Coefficient of variance of height field layer	Temperature	Δ AIC
			June	July	August						
M1	Estimate	1.441	-	-	-	-	-	-	-0.405	-	0.00
	95% CI Low.	0.702	-	-	-	-	-	-	-0.902	-	
	Upp.	2.179	-	-	-	-	-	-	0.091	-	
M2	Estimate	1.451	-	-	-	-	-	-	-	-	0.43
	95% CI Low.	0.669	-	-	-	-	-	-	-	-	
	Upp.	2.232	-	-	-	-	-	-	-	-	
M3	Estimate	1.454	-	-	-	-	-	-	-0.384	-0.233	1.23
	95% CI Low.	0.713	-	-	-	-	-	-	-0.883	-0.731	
	Upp.	2.195	-	-	-	-	-	-	0.115	0.266	
M4	Estimate	1.463	-	-	-	-	-	-	-	-0.269	1.32
	95% CI Low.	0.686	-	-	-	-	-	-	-	-0.770	
	Upp.	2.239	-	-	-	-	-	-	-	0.231	
M5	Estimate	1.449	-	-	-	-	-	-0.109	-0.408	-	1.97
	95% CI Low.	0.701	-	-	-	-	-	-0.620	-0.907	-	
	Upp.	2.197	-	-	-	-	-	0.401	0.090	-	
M6	Estimate	1.441	-	-	-	0.050	-	-	-0.407	-	2.10
	95% CI Low.	0.701	-	-	-	-0.430	-	-	-0.904	-	
	Upp.	2.180	-	-	-	0.530	-	-	0.090	-	
M7	Estimate	1.440	-	-	-	-	-	-0.013	-0.406	-	2.14
	95% CI Low.	0.701	-	-	-	-	-	-0.541	-0.904	-	
	Upp.	2.178	-	-	-	-	-	0.515	0.092	-	
M8	Estimate	1.459	-	-	-	-	-	-0.103	-	-	2.38
	95% CI Low.	0.668	-	-	-	-	-	-0.615	-	-	
	Upp.	2.250	-	-	-	-	-	0.409	-	-	
M9	Estimate	1.452	-	-	-	0.045	-	-	-	-	2.50
	95% CI Low.	0.668	-	-	-	-0.447	-	-	-	-	
	Upp.	2.236	-	-	-	0.537	-	-	-	-	
M10	Estimate	1.452	-	-	-	-	0.028	-	-	-	2.53
	95% CI Low.	0.669	-	-	-	-	-0.501	-	-	-	
	Upp.	2.236	-	-	-	-	0.556	-	-	-	
M11	Estimate	1.455	-	-	-	0.058	-	-	-0.386	-0.235	3.35
	95% CI Low.	0.713	-	-	-	-0.427	-	-	-0.886	-0.734	
	Upp.	2.198	-	-	-	0.543	-	-	0.114	0.264	

Table B.6B. [Continued]

		<i>Intercept</i>	<i>Month (ref: May)</i>			<i>Deer</i>	<i>Wild boar</i>	<i>Mean height field layer</i>	<i>Coefficient of variance of height field layer</i>	<i>Temperature</i>	Δ AIC
			<i>June</i>	<i>July</i>	<i>August</i>						
M12	Estimate	1.451	-	-	-	-	-0.043	-	-0.387	-0.237	3.38
	95% CI Low.	0.713	-	-	-	-	-0.571	-	-0.887	-0.739	
	Upp.	2.190	-	-	-	-	0.485	-	0.113	0.264	
M13	Estimate	1.456	-	-	-	-	-	-0.043	-0.387	-0.221	3.40
	95% CI Low.	0.712	-	-	-	-	-	-0.581	-0.888	-0.742	
	Upp.	2.200	-	-	-	-	-	0.496	0.114	0.300	
M14	Estimate	1.465	-	-	-	0.052	-	-	-	-0.271	3.41
	95% CI Low.	0.685	-	-	-	-0.446	-	-	-	-0.772	
	Upp.	2.245	-	-	-	0.549	-	-	-	0.231	
M15	Estimate	1.462	-	-	-	-	-0.010	-	-	-0.271	3.46
	95% CI Low.	0.686	-	-	-	-	-0.539	-	-	-0.775	
	Upp.	2.238	-	-	-	-	0.520	-	-	0.234	
M16	Estimate	1.464	-	-	-	-	-	-0.020	-	-0.264	3.46
	95% CI Low.	0.685	-	-	-	-	-	-0.563	-	-0.788	
	Upp.	2.242	-	-	-	-	-	0.523	-	0.260	
M17	Estimate	0.647	0.215	1.776	1.022	-	-	-	-0.429	-0.713	3.79
	95% CI Low.	-0.997	-1.636	-0.682	-0.934	-	-	-	-0.943	-1.521	
	Upp.	2.291	2.065	4.235	2.978	-	-	-	0.085	0.096	

Table B.6C. Standardized model estimates with 95% confidence intervals for the analysis of the association between the presence of questing *I. ricinus* ticks (larvae, nymphs and adults combined) and ungulate visitation frequencies, for the ungulate species summed. Models presented are the best performing GLMMs with a binomial distribution. The final model selected on which interpretations were based is highlighted in bold. M = model.

			<i>Intercept</i>	<i>Month (ref: May)</i>			<i>Ungulates</i>	<i>Mean height field layer</i>	<i>Coefficient of variance of height field layer</i>	<i>Temperature</i>	Δ AIC
				<i>June</i>	<i>July</i>	<i>August</i>					
M1	Estimate		1.441	-	-	-	-	-	-0.405	-	0.00
	95% CI	Low.	0.702	-	-	-	-	-	-0.902	-	
		Upp.	2.179	-	-	-	-	-	0.091	-	
M2	Estimate		1.451	-	-	-	-	-	-	-	0.43
	95% CI	Low.	0.669	-	-	-	-	-	-	-	
		Upp.	2.232	-	-	-	-	-	-	-	
M3	Estimate		1.454	-	-	-	-	-	-0.384	-0.233	1.23
	95% CI	Low.	0.713	-	-	-	-	-	-0.883	-0.731	
		Upp.	2.195	-	-	-	-	-	0.115	0.266	
M4	Estimate		1.463	-	-	-	-	-	-	-0.269	1.32
	95% CI	Low.	0.686	-	-	-	-	-	-	-0.770	
		Upp.	2.239	-	-	-	-	-	-	0.231	
M5	Estimate		1.449	-	-	-	-	-0.109	-0.408	-	1.97
	95% CI	Low.	0.701	-	-	-	-	-0.620	-0.907	-	
		Upp.	2.197	-	-	-	-	0.401	0.090	-	
M6	Estimate		1.441	-	-	-	-0.110	-	-0.400	-	1.97
	95% CI	Low.	0.706	-	-	-	-0.635	-	-0.896	-	
		Upp.	2.175	-	-	-	0.414	-	0.096	-	
M7	Estimate		1.449	-	-	-	-0.129	-	-	-	2.31
	95% CI	Low.	0.675	-	-	-	-0.669	-	-	-	
		Upp.	2.224	-	-	-	0.410	-	-	-	
M8	Estimate		1.459	-	-	-	-	-0.103	-	-	2.38
	95% CI	Low.	0.668	-	-	-	-	-0.615	-	-	
		Upp.	2.250	-	-	-	-	0.409	-	-	
M9	Estimate		1.461	-	-	-	-0.151	-	-	-0.278	3.17
	95% CI	Low.	0.694	-	-	-	-0.703	-	-	-0.780	
		Upp.	2.229	-	-	-	0.400	-	-	0.223	
M10	Estimate		1.454	-	-	-	-0.125	-	-0.377	-0.239	3.21
	95% CI	Low.	0.718	-	-	-	-0.660	-	-0.876	-0.739	
		Upp.	2.190	-	-	-	0.410	-	0.122	0.261	
M11	Estimate		1.456	-	-	-	-	-0.043	-0.387	-0.221	3.40
	95% CI	Low.	0.712	-	-	-	-	-0.581	-0.888	-0.742	
		Upp.	2.200	-	-	-	-	0.496	0.114	0.300	

Table B.6C. [Continued]

		<i>Intercept</i>	<i>Month (ref: May)</i>			<i>Ungulates</i>	<i>Mean height field layer</i>	<i>Coefficient of variance of height field layer</i>	<i>Temperature</i>	Δ AIC
			<i>June</i>	<i>July</i>	<i>August</i>					
M12	Estimate	1.464	-	-	-	-	-0.020	-	-0.264	3.46
	95% CI	Low.	0.685	-	-	-	-0.563	-	-0.788	
		Upp.	2.242	-	-	-	0.523	-	0.260	
M13	Estimate	0.647	0.215	1.776	1.022	-	-	-0.429	-0.713	3.79
	95% CI	Low.	-0.997	-1.636	-0.682	-0.934	-	-	-0.943	
		Upp.	2.291	2.065	4.235	2.978	-	-	0.085	
M14	Estimate	1.449	-	-	-	-0.111	-0.109	-0.403	-	3.98
	95% CI	Low.	0.705	-	-	-0.640	-0.618	-0.900	-	
		Upp.	2.192	-	-	-	0.418	0.400	0.095	

Table B.7A. Standardized model estimates with 95% confidence intervals for the analysis of the association between the presence of questing *I. ricinus* nymphs and adults, and ungulate visitation frequencies. Models presented are the best performing GLMMs with a binomial distribution. The final model selected on which interpretations were based is highlighted in bold. M = model.

		Intercept	Month (ref: May)			Fallow deer	Roe deer	Red deer	Moose	Wild boar	Mean height field layer	Coefficient of variance of height field layer	Temperature	Δ AIC
			June	July	August									
M1	Estimate	0.949	-	-	-	-	-	0.417	-	-	-0.388	-	0.00	
	95% CI	Low. 0.233	-	-	-	-	-	-0.130	-	-	-0.874	-		
	Upp. 1.665	-	-	-	-	-	-	0.965	-	-	0.098	-		
M2	Estimate	0.945	-	-	-	-	-	0.425	-	-	-	-	0.33	
	95% CI	Low. 0.206	-	-	-	-	-	-0.116	-	-	-	-		
	Upp. 1.684	-	-	-	-	-	-	0.967	-	-	-	-		
M3	Estimate	0.905	-	-	-	-	-	-	-	-	-0.392	-	0.48	
	95% CI	Low. 0.235	-	-	-	-	-	-	-	-	-0.867	-		
	Upp. 1.575	-	-	-	-	-	-	-	-	-	0.083	-		
M4	Estimate	0.974	-	-	-	-	0.331	0.419	-	-	-0.367	-	0.91	
	95% CI	Low. 0.263	-	-	-	-	-0.283	-0.127	-	-	-0.850	-		
	Upp. 1.685	-	-	-	-	-	0.945	0.966	-	-	0.116	-		
M5	Estimate	0.964	-	-	-	-	0.352	0.428	-	-	-	-	0.97	
	95% CI	Low. 0.238	-	-	-	-	-0.247	-0.113	-	-	-	-		
	Upp. 1.691	-	-	-	-	-	0.950	0.969	-	-	-	-		
M6	Estimate	0.904	-	-	-	-	-	-	-	-	-	-	1.00	
	95% CI	Low. 0.204	-	-	-	-	-	-	-	-	-	-		
	Upp. 1.603	-	-	-	-	-	-	-	-	-	-	-		
M7	Estimate	0.926	-	-	-	-	0.323	-	-	-	-0.371	-	1.38	
	95% CI	Low. 0.265	-	-	-	-	-0.285	-	-	-	-0.842	-		
	Upp. 1.587	-	-	-	-	-	0.931	-	-	-	0.100	-		
M8	Estimate	0.919	-	-	-	-	0.343	-	-	-	-	-	1.63	
	95% CI	Low. 0.236	-	-	-	-	-0.248	-	-	-	-	-		
	Upp. 1.602	-	-	-	-	-	0.934	-	-	-	-	-		
M9	Estimate	0.959	-	-	-	-	-0.163	0.431	-	-	-0.379	-	1.73	
	95% CI	Low. 0.226	-	-	-	-	-0.641	-0.123	-	-	-0.867	-		
	Upp. 1.692	-	-	-	-	-	0.315	0.986	-	-	0.109	-		
M10	Estimate	0.958	-	-	-	-	-0.187	0.441	-	-	-	-	1.88	
	95% CI	Low. 0.198	-	-	-	-	-0.667	-0.108	-	-	-	-		
	Upp. 1.718	-	-	-	-	-	0.292	0.990	-	-	-	-		
M11	Estimate	0.943	-	-	-	-	-	0.410	-0.135	-	-0.403	-	1.92	
	95% CI	Low. 0.240	-	-	-	-	-	-0.138	-0.642	-	-0.890	-		
	Upp. 1.645	-	-	-	-	-	-	0.959	0.373	-	0.084	-		

Table B.7A. [Continued]

		Intercept	Month (ref: May)			Fallow deer	Roe deer	Red deer	Moose	Wild boar	Mean height field layer	Coefficient of variance of height field layer	Temperature	Δ AIC
			June	July	August									
M12	Estimate	0.951	-	-	-	-	-	0.415	-	-	-0.378	-0.098	1.95	
	95% CI	Low. 0.238	-	-	-	-	-	-0.132	-	-	-0.866	-0.574		
	Upp. 1.663	-	-	-	-	-	-	0.962	-	-	0.109	0.378		
M13	Estimate	0.951	-	-	-	-0.111	-	0.418	-	-	-0.375	-	2.05	
	95% CI	Low. 0.247	-	-	-	-0.695	-	-0.131	-	-	-0.863	-		
	Upp. 1.654	-	-	-	0.473	-	-	0.968	-	-	0.112	-		
M14	Estimate	0.946	-	-	-	-	-	0.422	-	-	-	-0.133	2.07	
	95% CI	Low. 0.213	-	-	-	-	-	-0.120	-	-	-	-0.609		
	Upp. 1.679	-	-	-	-	-	-	0.964	-	-	-	0.341		
M15	Estimate	0.950	-	-	-	-	-	0.415	-	0.057	-0.388	-	2.13	
	95% CI	Low. 0.233	-	-	-	-	-	-0.132	-	-0.415	-0.875	-		
	Upp. 1.667	-	-	-	-	-	-	0.963	-	0.529	0.098	-		
M16	Estimate	0.943	-	-	-	-0.162	-	0.426	-	-	-	-	2.18	
	95% CI	Low. 0.228	-	-	-	-0.741	-	-0.118	-	-	-	-		
	Upp. 1.658	-	-	-	0.417	-	-	0.970	-	-	-	-		
M17	Estimate	0.896	-	-	-	-	-	-	-0.154	-	-0.408	-	2.26	
	95% CI	Low. 0.243	-	-	-	-	-	-	-0.644	-	-0.882	-		
	Upp. 1.549	-	-	-	-	-	-	-	0.337	-	0.067	-		
M18	Estimate	0.911	-	-	-	-	-0.135	-	-	-	-0.385	-	2.30	
	95% CI	Low. 0.228	-	-	-	-	-0.602	-	-	-	-0.862	-		
	Upp. 1.593	-	-	-	-	0.331	-	-	-	-	0.092	-		
M19	Estimate	0.905	-	-	-	-	-	-	-	-	-0.381	-0.105	2.36	
	95% CI	Low. 0.240	-	-	-	-	-	-	-	-	-0.858	-0.572		
	Upp. 1.570	-	-	-	-	-	-	-	-	-	0.095	0.363		
M20	Estimate	0.945	-	-	-	-	-	0.425	-	-	-	-	2.39	
	95% CI	Low. 0.206	-	-	-	-	-	-0.116	-	-	-	-		
	Upp. 1.684	-	-	-	-	-	-	0.967	-	-	-	-		
M21	Estimate	0.987	-	-	-	-	-0.212	0.376	0.448	-	-	-	2.40	
	95% CI	Low. 0.232	-	-	-	-	-0.698	-0.236	-0.102	-	-	-		
	Upp. 1.743	-	-	-	-	0.273	0.987	0.998	-	-	-	-		
M22	Estimate	0.944	-	-	-	-	-	0.423	-	0.057	-	-	2.42	
	95% CI	Low. 0.206	-	-	-	-	-	-0.119	-	-0.412	-	-		
	Upp. 1.683	-	-	-	-	-	-	0.965	-	0.526	-	-		
M23	Estimate	0.903	-	-	-	-0.110	-	-	-	-	-0.379	-	2.49	
	95% CI	Low. 0.248	-	-	-	-0.679	-	-	-	-	-0.856	-		
	Upp. 1.558	-	-	-	0.460	-	-	-	-	-	0.098	-		

Table B.7A. [Continued]

		Intercept	Month (ref: May)			Fallow deer	Roe deer	Red deer	Moose	Wild boar	Mean height field layer	Coefficient of variance of height field layer	Temperature	Δ AIC
			June	July	August									
M24	Estimate	0.906	-	-	-	-	-	-	-	-	0.073	-0.392	-	2.53
	95% CI	Low. 0.235	-	-	-	-	-	-	-	-	-0.396	-0.868	-	
	Upp. 1.576	-	-	-	-	-	-	-	-	-	0.542	0.083	-	
M25	Estimate	0.992	-	-	-	-	-0.186	0.352	0.437	-	-	-0.355	-	2.55
	95% CI	Low. 0.256	-	-	-	-	-0.669	-0.274	-0.117	-	-	-0.841	-	
	Upp. 1.727	-	-	-	-	-	0.298	0.979	0.992	-	-	0.131	-	
M26	Estimate	0.969	-	-	-	-	-	0.366	0.424	-	-	-	-0.156	2.62
	95% CI	Low. 0.248	-	-	-	-	-	-0.234	-0.118	-	-	-	-0.628	
	Upp. 1.690	-	-	-	-	-	-	0.966	0.965	-	-	-	0.317	
M27	Estimate	0.904	-	-	-	-	-	-	-	-	-	-	-0.142	2.65
	95% CI	Low. 0.212	-	-	-	-	-	-	-	-	-	-	-0.609	
	Upp. 1.595	-	-	-	-	-	-	-	-	-	-	-	0.326	
M28	Estimate	0.913	-	-	-	-	-0.160	-	-	-	-	-	-	2.66
	95% CI	Low. 0.197	-	-	-	-	-0.628	-	-	-	-	-	-	
	Upp. 1.628	-	-	-	-	-	0.309	-	-	-	-	-	-	
M29	Estimate	0.966	-	-	-	-	-	0.345	0.411	-0.161	-	-0.382	-	2.75
	95% CI	Low. 0.273	-	-	-	-	-	-0.270	-0.137	-0.667	-	-0.865	-	
	Upp. 1.660	-	-	-	-	-	-	0.960	0.959	0.344	-	0.100	-	
M30	Estimate	0.897	-	-	-	-0.162	-	-	-	-	-	-	-	2.80
	95% CI	Low. 0.226	-	-	-	0.727	-	-	-	-	-	-	-	
	Upp. 1.569	-	-	-	-	0.404	-	-	-	-	-	-	-	
M31	Estimate	0.977	-	-	-	-	-	0.343	0.416	-	-	-0.354	-0.121	2.80
	95% CI	Low. 0.269	-	-	-	-	-	-0.271	-0.130	-	-	-0.839	-0.597	
	Upp. 1.686	-	-	-	-	-	-	0.958	0.963	-	-	0.131	0.354	
M32	Estimate	0.967	-	-	-	-0.155	-	0.348	0.431	-	-	-	-	2.88
	95% CI	Low. 0.259	-	-	-	-0.743	-	-0.250	-0.113	-	-	-	-	
	Upp. 1.674	-	-	-	-	0.432	-	0.946	0.975	-	-	-	-	
M33	Estimate	0.899	-	-	-	-	-	-	-	-0.102	-	-	-	2.94
	95% CI	Low. 0.208	-	-	-	-	-	-	-	-0.590	-	-	-	
	Upp. 1.589	-	-	-	-	-	-	-	-	0.385	-	-	-	
M34	Estimate	0.960	-	-	-	-	-	0.364	0.421	-0.113	-	-	-	2.96
	95% CI	Low. 0.244	-	-	-	-	-	-0.236	-0.120	-0.613	-	-	-	
	Upp. 1.675	-	-	-	-	-	-	0.964	0.963	0.387	-	-	-	
M35	Estimate	0.903	-	-	-	-	-	-	-	-	0.073	-	-	3.02
	95% CI	Low. 0.205	-	-	-	-	-	-	-	-	-0.394	-	-	
	Upp. 1.602	-	-	-	-	-	-	-	-	-	0.540	-	-	

Table B.7A. [Continued]

		Intercept	Month (ref: May)			Fallow deer	Roe deer	Red deer	Moose	Wild boar	Mean height field layer	Coefficient of variance of height field layer	Temperature	Δ AIC
			June	July	August									
M36	Estimate	0.977	-	-	-	-0.104	-	0.328	0.422	-	-	-0.355	-	3.02
	95% CI	Low.	0.276	-	-	-	-0.697	-	-0.285	-0.127	-	-0.840	-	
	Upp.	1.679	-	-	-	0.489	-	0.941	0.970	-	-	0.131	-	
M37	Estimate	0.916	-	-	-	-	-	0.340	-	-0.179	-	-0.386	-	3.05
	95% CI	Low.	0.275	-	-	-	-	-0.271	-	-0.667	-	-0.855	-	
	Upp.	1.557	-	-	-	-	-	0.951	-	0.309	-	0.082	-	
M38	Estimate	0.974	-	-	-	-	-	0.333	0.417	-	0.065	-0.367	-	3.06
	95% CI	Low.	0.264	-	-	-	-	-0.281	-0.130	-	-0.404	-0.850	-	
	Upp.	1.685	-	-	-	-	-	0.948	0.964	-	0.533	0.117	-	
M39	Estimate	0.964	-	-	-	-	-	0.354	0.425	-	0.066	-	-	3.08
	95% CI	Low.	0.239	-	-	-	-	-0.244	-0.117	-	-0.400	-	-	
	Upp.	1.688	-	-	-	-	-	0.952	0.966	-	0.531	-	-	
M40	Estimate	0.937	-	-	-	-	-0.153	0.337	-	-	-	-0.361	-	3.15
	95% CI	Low.	0.258	-	-	-	-0.622	-0.280	-	-	-	-0.835	-	
	Upp.	1.617	-	-	-	-	0.317	0.954	-	-	-	0.112	-	
M41	Estimate	0.921	-	-	-	-	-	0.357	-	-	-	-	-0.164	3.18
	95% CI	Low.	0.246	-	-	-	-	-0.233	-	-	-	-	-0.628	
	Upp.	1.596	-	-	-	-	-	0.947	-	-	-	-	0.300	
M42	Estimate	0.928	-	-	-	-	-	0.335	-	-	-	-0.357	-0.128	3.19
	95% CI	Low.	0.271	-	-	-	-	-0.271	-	-	-	-0.830	-0.593	
	Upp.	1.585	-	-	-	-	-	0.941	-	-	-	0.116	0.338	
M43	Estimate	0.935	-	-	-	-	-0.180	0.360	-	-	-	-	-	3.20
	95% CI	Low.	0.230	-	-	-	-0.653	-0.240	-	-	-	-	-	
	Upp.	1.639	-	-	-	-	0.292	0.960	-	-	-	-	-	
M44	Estimate	1.191	-0.892	0.271	-0.380	-	-	-	0.476	-	-	-0.447	-	3.32
	95% CI	Low.	-0.149	-2.460	-1.237	-1.914	-	-	-	-0.081	-	-0.942	-	
	Upp.	2.530	0.676	1.779	1.513	-	-	-	1.033	-	-	0.048	-	
M45	Estimate	0.927	-	-	-	-	-	0.327	-	-	0.082	-0.370	-	3.44
	95% CI	Low.	0.266	-	-	-	-	-0.282	-	-	-0.383	-0.842	-	
	Upp.	1.587	-	-	-	-	-	0.935	-	-	0.546	0.101	-	
M46	Estimate	0.926	-	-	-	-0.094	-	0.318	-	-	-	-0.360	-	3.46
	95% CI	Low.	0.275	-	-	-0.672	-	-0.290	-	-	-	-0.833	-	
	Upp.	1.577	-	-	-	0.484	-	0.925	-	-	-	0.114	-	
M47	Estimate	0.913	-	-	-	-	-	0.357	-	-0.135	-	-	-	3.48
	95% CI	Low.	0.243	-	-	-	-	-0.237	-	-0.620	-	-	-	
	Upp.	1.582	-	-	-	-	-	0.952	-	0.350	-	-	-	

Table B.7A. [Continued]

		Intercept	Month (ref: May)			Fallow deer	Roe deer	Red deer	Moose	Wild boar	Mean height field layer	Coefficient of variance of height field layer	Temperature	Δ AIC
			June	July	August									
M48	Estimate	0.917	-	-	-	-0.146	-	0.335	-	-	-	-	3.53	
	95% CI	Low.	0.255	-	-	-	-0.720	-	-0.255	-	-	-		
	Upp.	1.578	-	-	-	0.428	-	0.925	-	-	-	-		
M49	Estimate	0.953	-	-	-	-	-0.171	-	0.424	-0.147	-	-0.396	3.64	
	95% CI	Low.	0.233	-	-	-	-0.650	-	-0.132	-0.660	-	-0.885		
	Upp.	1.673	-	-	-	0.308	-	0.979	0.366	-	0.0938	-		
M50	Estimate	0.918	-	-	-	-	-	0.346	-	-	0.083	-	3.65	
	95% CI	Low.	0.238	-	-	-	-	-0.245	-	-	-0.380	-		
	Upp.	1.599	-	-	-	-	-	0.937	-	-	0.546	-		
M51	Estimate	0.532	-0.313	1.415	0.319	-	-	-	0.485	-	-	-0.438	-0.504	3.68
	95% CI	Low.	-1.097	-2.093	-0.894	-1.544	-	-	-0.079	-	-	-0.938	-1.250	
	Upp.	2.161	1.467	3.723	2.182	-	-	-	1.048	-	-	0.062	0.241	
M52	Estimate	0.959	-	-	-	-	-0.179	-	0.438	-	-	-	-0.123	3.71
	95% CI	Low.	0.206	-	-	-	-0.658	-	-0.112	-	-	-	-0.601	
	Upp.	1.711	-	-	-	-	0.301	-	0.987	-	-	-	0.355	
M53	Estimate	0.959	-	-	-	-	-0.157	-	0.429	-	-	-0.370	-0.088	3.76
	95% CI	Low.	0.230	-	-	-	-0.635	-	-0.125	-	-	-0.860	-0.567	
	Upp.	1.689	-	-	-	-	0.321	-	0.984	-	-	0.119	0.391	
M54	Estimate	0.956	-	-	-	-0.154	-0.180	-	0.442	-	-	-	-	3.80
	95% CI	Low.	0.220	-	-	-0.740	-0.647	-	-0.110	-	-	-	-	
	Upp.	1.693	-	-	-	0.432	0.297	-	0.994	-	-	-	-	
M55	Estimate	0.960	-	-	-	-0.102	-0.158	-	0.433	-	-	-0.367	-	3.84
	95% CI	Low.	0.239	-	-	-0.691	-0.635	-	-0.124	-	-	-0.857	-	
	Upp.	1.681	-	-	-	0.487	0.318	-	0.989	-	-	0.123	-	
M56	Estimate	0.960	-	-	-	-	-0.174	-	0.429	-	0.081	-0.380	-	3.85
	95% CI	Low.	0.226	-	-	-	-0.657	-	-0.126	-	-0.403	-0.868	-	
	Upp.	1.695	-	-	-	-	0.310	-	0.984	-	0.566	0.109	-	
M57	Estimate	0.943	-	-	-	-	-	-	0.406	-0.156	-	-0.393	-0.111	3.85
	95% CI	Low.	0.246	-	-	-	-	-	-0.142	-0.654	-	-0.881	-0.588	
	Upp.	1.641	-	-	-	-	-	-	0.955	0.362	-	0.095	0.366	
M58	Estimate	0.944	-	-	-	-0.170	-	-	0.422	-	-	-	-0.139	3.92
	95% CI	Low.	0.237	-	-	-0.751	-	-	-0.122	-	-	-	-0.609	
	Upp.	1.652	-	-	-	0.410	-	-	0.966	-	-	-	0.331	
M60	Estimate	0.955	-	-	-	-	-0.193	-	0.435	-0.094	-	-	-	3.94
	95% CI	Low.	0.202	-	-	-	-0.674	-	-0.114	-0.601	-	-	-	
	Upp.	1.708	-	-	-	-	0.288	-	0.984	0.414	-	-	-	

Table B.7B. [Continued]

			<i>Intercept</i>	<i>Month (ref: May)</i>			<i>Deer</i>	<i>Wild boar</i>	<i>Mean height field layer</i>	<i>Coefficient of variance of height field layer</i>	<i>Temperature</i>	Δ AIC
				<i>June</i>	<i>July</i>	<i>August</i>						
M8	Estimate		0.899	-	-	-	-	-0.102	-	-	-	2.46
	95% CI	Low.	0.208	-	-	-	-	-0.590	-	-	-	
		Upp.	1.589	-	-	-	-	0.385	-	-	-	
M9	Estimate		0.903	-	-	-	-	-	0.073	-	-	2.54
	95% CI	Low.	0.205	-	-	-	-	-	-0.394	-	-	
		Upp.	1.602	-	-	-	-	-	0.540	-	-	
M10	Estimate		0.904	-	-	-	0.010	-	-	-	-	2.63
	95% CI	Low.	0.203	-	-	-	-0.467	-	-	-	-	
		Upp.	1.605	-	-	-	0.489	-	-	-	-	
M11	Estimate		0.896	-	-	-	-	-0.167	-	-0.396	-0.121	3.61
	95% CI	Low.	0.250	-	-	-	-	-0.658	-	-0.871	-0.589	
		Upp.	1.541	-	-	-	-	0.324	-	0.079	0.347	
M12	Estimate		0.907	-	-	-	-	-	0.113	-0.378	-0.137	3.82
	95% CI	Low.	0.242	-	-	-	-	-	-0.380	-0.855	-0.623	
		Upp.	1.572	-	-	-	-	-	0.605	0.100	0.350	
M13	Estimate		0.897	-	-	-	-	-0.154	0.073	-0.408	-	3.86
	95% CI	Low.	0.243	-	-	-	-	-0.645	-0.393	-0.883	-	
		Upp.	1.550	-	-	-	-	0.337	0.539	0.067	-	
M14	Estimate		1.096	-0.761	0.243	-0.299	-	-	-	-0.445	-	3.92
	95% CI	Low.	-0.163	-2.261	-1.211	-1.775	-	-	-	-0.927	-	
		Upp.	2.356	0.738	1.697	1.177	-	-	-	0.037	-	
M15	Estimate		0.896	-	-	-	0.006	-0.154	-	-0.408	-	3.96
	95% CI	Low.	0.242	-	-	-	-0.462	-0.644	-	-0.883	-	
		Upp.	1.549	-	-	-	0.473	0.337	-	0.067	-	

Table B.7C. Standardized model estimates with 95% confidence intervals for the analysis of the association between the presence of questing *I. ricinus* nymphs and adults, and ungulate visitation frequencies, for the ungulate species summed. Models presented are the best performing GLMMs with a binomial distribution. The final model selected on which interpretations were based is highlighted in bold. M = model.

			Intercept	Month (ref: May)			Ungulates	Mean height field layer	Coefficient of variance of height field layer	Temperature	Δ AIC
				June	July	August					
M1	Estimate		0.905	-	-	-	-	-0.392	-	0.00	
	95% CI	Low.	0.235	-	-	-	-	-0.867	-		
		Upp.	1.575	-	-	-	-	0.083	-		
M2	Estimate		0.904	-	-	-	-	-	-	0.52	
	95% CI	Low.	0.204	-	-	-	-	-	-		
		Upp.	1.603	-	-	-	-	-	-		
M3	Estimate		0.904	-	-	-	-0.232	-0.384	-	1.34	
	95% CI	Low.	0.257	-	-	-	-0.747	-0.855	-		
		Upp.	1.552	-	-	-	0.282	0.087	-		
M4	Estimate		0.902	-	-	-	-0.247	-	-	1.76	
	95% CI	Low.	0.229	-	-	-	-0.774	-	-		
		Upp.	1.575	-	-	-	0.280	-	-		
M5	Estimate		0.905	-	-	-	-	-0.381	-0.105	1.88	
	95% CI	Low.	0.240	-	-	-	-	-0.858	-0.572		
		Upp.	1.570	-	-	-	-	0.095	0.363		
M6	Estimate		0.906	-	-	-	0.073	-0.392	-	2.05	
	95% CI	Low.	0.235	-	-	-	-0.396	-0.868	-		
		Upp.	1.576	-	-	-	0.542	0.083	-		
M7	Estimate		0.904	-	-	-	-	-	-0.142	2.17	
	95% CI	Low.	0.212	-	-	-	-	-	-0.609		
		Upp.	1.595	-	-	-	-	-	0.326		
M8	Estimate		0.903	-	-	-	0.073	-	-	2.54	
	95% CI	Low.	0.205	-	-	-	-0.394	-	-		
		Upp.	1.602	-	-	-	0.540	-	-		
M9	Estimate		0.904	-	-	-	-0.243	-0.370	-0.120	3.20	
	95% CI	Low.	0.263	-	-	-	-0.762	-0.843	-0.587		
		Upp.	1.545	-	-	-	0.276	0.103	0.347		
M10	Estimate		0.902	-	-	-	-0.263	-	-0.160	3.36	
	95% CI	Low.	0.241	-	-	-	-0.796	-	-0.626		
		Upp.	1.563	-	-	-	0.270	-	0.307		
M11	Estimate		0.906	-	-	-	-0.231	-0.384	-	3.44	
	95% CI	Low.	0.257	-	-	-	-0.744	-0.856	-		
		Upp.	1.554	-	-	-	0.282	0.087	-		

Table B.7C. [Continued]

		<i>Intercept</i>	<i>Month (ref: May)</i>			<i>Ungulates</i>	<i>Mean height field layer</i>	<i>Coefficient of variance of height field layer</i>	<i>Temperature</i>	Δ AIC
			<i>June</i>	<i>July</i>	<i>August</i>					
M12	Estimate	0.907	-	-	-	-	0.113	-0.378	-0.137	3.82
	95% CI	Low.	0.242	-	-	-	-0.380	-0.855	-0.623	
		Upp.	1.572	-	-	-	0.605	0.100	0.350	
M13	Estimate	0.903	-	-	-	-0.244	0.069	-	-	3.82
	95% CI	Low.	0.230	-	-	-	-0.769	-	-	
		Upp.	1.575	-	-	-	0.281	-	-	
M14	Estimate	1.096	-0.761	0.243	-0.299	-	-	-0.445	-	3.92
	95% CI	Low.	-0.163	-2.261	-1.211	-1.775	-	-	-0.927	
		Upp.	2.356	0.738	1.697	1.177	-	-	0.037	

Table B.8A. Standardized model estimates with 95% confidence intervals for the analysis of the association between the abundance of questing *I. ricinus* ticks (larvae, nymphs and adults combined) and ungulate visitation frequencies. Models presented are the best performing GLMMs with a negative binomial distribution. The final model selected on which interpretations were based is highlighted in bold. M = model.

		Intercept	Month (ref: May)			Fallow deer	Roe deer	Red deer	Moose	Wild boar	Mean height field layer	Coefficient of variance of height field layer	Temperature	Δ AIC
			June	July	August									
M1	Estimate	2.204	-	-	-	-	-	-	-	-	-	-	-	0.00
	95% CI	Low. 1.861	-	-	-	-	-	-	-	-	-	-	-	
		Upp. 2.547	-	-	-	-	-	-	-	-	-	-	-	
M2	Estimate	2.198	-	-	-	-	0.131	-	-	-	-	-	-	0.59
	95% CI	Low. 1.859	-	-	-	-	-0.076	-	-	-	-	-	-	
		Upp. 2.537	-	-	-	-	0.337	-	-	-	-	-	-	
M3	Estimate	2.210	-	-	-	-	-	-	-	-	-0.131	-	-	0.82
	95% CI	Low. 1.876	-	-	-	-	-	-	-	-	-0.357	-	-	
		Upp. 2.544	-	-	-	-	-	-	-	-	0.094	-	-	
M4	Estimate	2.200	-	-	-	-	-	-	-	-	-	-0.106	-	1.25
	95% CI	Low. 1.857	-	-	-	-	-	-	-	-	-	-0.310	-	
		Upp. 2.541	-	-	-	-	-	-	-	-	-	0.097	-	
M5	Estimate	2.204	-	-	-	-	0.133	-	-	-	-0.134	-	-	1.40
	95% CI	Low. 1.874	-	-	-	-	-0.073	-	-	-	-0.358	-	-	
		Upp. 2.535	-	-	-	-	0.339	-	-	-	0.091	-	-	
M6	Estimate	2.196	-	-	-	-	-	-	-	-0.085	-	-	-	1.52
	95% CI	Low. 1.849	-	-	-	-	-	-	-	-0.299	-	-	-	
		Upp. 2.542	-	-	-	-	-	-	-	0.129	-	-	-	
M7	Estimate	2.190	-	-	-	-	0.145	-	-	-	-	-0.122	-	1.60
	95% CI	Low. 1.851	-	-	-	-	-0.063	-	-	-	-	-0.325	-	
		Upp. 2.528	-	-	-	-	0.352	-	-	-	-	0.081	-	
M8	Estimate	2.186	-	-	-	-	0.154	-	-	-	-0.119	-	-	1.62
	95% CI	Low. 1.844	-	-	-	-	-0.057	-	-	-	-0.342	-	-	
		Upp. 2.528	-	-	-	-	0.366	-	-	-	0.104	-	-	
M9	Estimate	2.202	-	-	-	-	-	-	0.049	-	-	-	-	1.91
	95% CI	Low. 1.859	-	-	-	-	-	-	-0.146	-	-	-	-	
		Upp. 2.546	-	-	-	-	-	-	0.245	-	-	-	-	
M10	Estimate	2.120	-	-	-	0.043	-	-	-	-	-	-	-	2.01
	95% CI	Low. 1.847	-	-	-	-0.189	-	-	-	-	-	-	-	
		Upp. 2.546	-	-	-	0.275	-	-	-	-	-	-	-	
M11	Estimate	2.207	-	-	-	-	-	0.032	-	-	-	-	-	2.05
	95% CI	Low. 1.865	-	-	-	-	-	-0.168	-	-	-	-	-	
		Upp. 2.548	-	-	-	-	-	0.231	-	-	-	-	-	

Table B.8A. [Continued]

		Intercept	Month (ref: May)			Fallow deer	Roe deer	Red deer	Moose	Wild boar	Mean height field layer	Coefficient of variance of height field layer	Temperature	Δ AIC
			June	July	August									
M12	Estimate	2.205	-	-	-	-	-	-	-	-0.033	-	-	2.06	
	95% CI Low.	1.863	-	-	-	-	-	-	-	-0.246	-	-		
	Upp.	2.547	-	-	-	-	-	-	-	0.181	-	-		
M13	Estimate	2.205	-	-	-	-	-	-	-	-	-0.118	-0.092	2.36	
	95% CI Low.	1.870	-	-	-	-	-	-	-	-	-0.344	-0.296		
	Upp.	2.539	-	-	-	-	-	-	-	-	0.108	0.111		
M14	Estimate	2.202	-	-	-	-	-	-	-	-0.083	-0.132	-	2.39	
	95% CI Low.	1.865	-	-	-	-	-	-	-	-0.294	-0.359	-		
	Upp.	2.539	-	-	-	-	-	-	-	0.127	0.094	-		
M15	Estimate	2.192	-	-	-	-	0.157	-	-	-	-0.118	-0.135	-	2.46
	95% CI Low.	1.860	-	-	-	-	-0.054	-	-	-	-0.338	-0.364	-	
	Upp.	2.525	-	-	-	-	0.368	-	-	-	0.103	0.091	-	
M16	Estimate	2.191	-	-	-	0.044	0.131	-	-	-	-	-	-	2.63
	95% CI Low.	1.845	-	-	-	-0.186	-0.075	-	-	-	-	-	-	
	Upp.	2.536	-	-	-	0.723	0.337	-	-	-	-	-	-	
M17	Estimate	2.197	-	-	-	-	0.126	-	0.035	-	-	-	-	2.65
	95% CI Low.	1.858	-	-	-	-	-0.081	-	-0.163	-	-	-	-	
	Upp.	2.537	-	-	-	-	0.334	-	0.233	-	-	-	-	
M18	Estimate	2.201	-	-	-	-	0.131	0.033	-	-	-	-	-	2.66
	95% CI Low.	1.863	-	-	-	-	-0.075	-0.162	-	-	-	-	-	
	Upp.	2.538	-	-	-	-	0.337	0.228	-	-	-	-	-	
M19	Estimate	2.208	-	-	-	-	-	-	-	-0.069	-	-0.134	-0.095	2.67
	95% CI Low.	1.877	-	-	-	-	-	-	-	-0.286	-	-0.363	-0.298	
	Upp.	2.538	-	-	-	-	-	-	-	0.147	-	0.095	0.108	
M20	Estimate	2.191	-	-	-	-	0.144	-	-	-0.036	-	-	-0.124	2.70
	95% CI Low.	1.854	-	-	-	-	-0.063	-	-	-0.248	-	-	-0.327	
	Upp.	2.528	-	-	-	-	0.351	-	-	0.176	-	-	0.080	
M21	Estimate	2.199	-	-	-	0.064	-	-	-	-	-	-0.142	-	2.70
	95% CI Low.	1.858	-	-	-	-0.167	-	-	-	-	-	-0.372	-	
	Upp.	2.541	-	-	-	0.296	-	-	-	-	-	0.088	-	
M22	Estimate	2.204	-	-	-	-	0.133	-	-	-	-	-0.134	-	2.74
	95% CI Low.	1.874	-	-	-	-	-0.073	-	-	-	-	-0.358	-	
	Upp.	2.535	-	-	-	-	0.339	-	-	-	-	0.091	-	
M23	Estimate	2.208	-	-	-	-	-	-	0.045	-	-	-0.130	-	2.81
	95% CI Low.	1.873	-	-	-	-	-	-	-0.149	-	-	-0.355	-	
	Upp.	2.543	-	-	-	-	-	-	0.239	-	-	0.095	-	

Table B.8A. [Continued]

		Intercept	Month (ref: May)			Fallow deer	Roe deer	Red deer	Moose	Wild boar	Mean height field layer	Coefficient of variance of height field layer	Temperature	Δ AIC
			June	July	August									
M24	Estimate	2.212	-	-	-	-	0.018	-	-	-	-0.129	-	2.98	
	95% CI	Low. 1.878	-	-	-	-	-0.183	-	-	-	-0.356	-		
	Upp. 2.545	-	-	-	-	-	0.218	-	-	-	0.098	-		
M25	Estimate	2.194	-	-	-	-	-	-	-	-0.060	-	-0.091	3.15	
	95% CI	Low. 1.850	-	-	-	-	-	-	-	-0.278	-	-0.300		
	Upp. 2.538	-	-	-	-	-	-	-	-	0.157	-	0.118		
M26	Estimate	2.181	-	-	-	-	0.161	-	-	-0.092	-	-0.100	3.19	
	95% CI	Low. 1.840	-	-	-	-	-0.051	-	-	-0.317	-	-0.308		
	Upp. 2.522	-	-	-	-	-	0.272	-	-	0.134	-	0.107		
M27	Estimate	2.198	-	-	-	-	-	0.045	-	-	-	-0.105	3.23	
	95% CI	Low. 1.855	-	-	-	-	-	-0.151	-	-	-	-0.309		
	Upp. 2.540	-	-	-	-	-	-	0.241	-	-	-	0.099		
M28	Estimate	2.192	-	-	-	0.071	0.136	-	-	-	-0.149	-	3.24	
	95% CI	Low. 1.854	-	-	-	-0.160	-0.071	-	-	-	-0.380	-		
	Upp. 2.530	-	-	-	-	0.302	0.342	-	-	-	0.083	-		
M29	Estimate	2.190	-	-	-	0.050	-	-	-	-	-	-0.110	3.26	
	95% CI	Low. 1.841	-	-	-	-0.180	-	-	-	-	-	-0.314		
	Upp. 2.539	-	-	-	-	0.280	-	-	-	-	-	0.095		
M30	Estimate	2.201	-	-	-	-	-	-	-0.040	-	-	-0.109	3.31	
	95% CI	Low. 1.861	-	-	-	-	-	-	-0.255	-	-	-0.312		
	Upp. 2.541	-	-	-	-	-	-	-	0.175	-	-	0.095		
M31	Estimate	2.206	-	-	-	-	0.131	-	-0.060	-	-0.147	-	3.32	
	95% CI	Low. 1.879	-	-	-	-	-0.075	-	-0.272	-	-0.376	-		
	Upp. 2.533	-	-	-	-	-	0.337	-	0.152	-	0.081	-		
M32	Estimate	2.202	-	-	-	-	-	0.034	-	-	-	-0.107	3.33	
	95% CI	Low. 1.862	-	-	-	-	-	-0.167	-	-	-	-0.310		
	Upp. 2.542	-	-	-	-	-	-	0.235	-	-	-	0.096		
M33	Estimate	2.195	-	-	-	-	-	0.050	-	-0.085	-	-	3.47	
	95% CI	Low. 1.848	-	-	-	-	-	-0.147	-	-0.300	-	-		
	Upp. 2.541	-	-	-	-	-	-	0.246	-	0.130	-	-		
M34	Estimate	2.204	-	-	-	-	0.129	0.031	-	-	-0.133	-	3.53	
	95% CI	Low. 1.873	-	-	-	-	-0.078	-0.165	-	-	-0.357	-		
	Upp. 2.534	-	-	-	-	-	0.337	0.227	-	-	0.092	-		
M35	Estimate	2.189	-	-	-	0.040	-	-	-	-0.084	-	-	3.59	
	95% CI	Low. 1.836	-	-	-	-0.193	-	-	-	-0.297	-	-		
	Upp. 2.542	-	-	-	-	0.273	-	-	-	0.130	-	-		

Table B.8A. [Continued]

		Intercept	Month (ref: May)			Fallow deer	Roe deer	Red deer	Moose	Wild boar	Mean height field layer	Coefficient of variance of height field layer	Temperature	Δ AIC
			June	July	August									
M36	Estimate	2.206	-	-	-	-	0.133	0.018	-	-	-	-0.131	-	3.59
	95% CI	Low. 1.876	-	-	-	-	-0.073	-0.179	-	-	-	-0.358	-	
	Upp. 2.535	-	-	-	-	0.339	0.214	-	-	-	0.095	-		
M37	Estimate	2.197	-	-	-	-	-	-	-0.034	-0.085	-	-	-	3.61
	95% CI	Low. 1.852	-	-	-	-	-	-	-0.249	-0.299	-	-	-	
	Upp. 2.542	-	-	-	-	-	-	-	0.182	0.129	-	-		
M38	Estimate	2.180	-	-	-	0.052	-0.146	-	-	-	-	-	-0.125	3.63
	95% CI	Low. 1.834	-	-	-	-0.175	-0.062	-	-	-	-	-	-0.330	
	Upp. 2.526	-	-	-	-	0.279	0.353	-	-	-	-	-	0.079	
M39	Estimate	2.198	-	-	-	-	-	0.023	-	-	-0.082	-	-	3.65
	95% CI	Low. 1.853	-	-	-	-	-	-0.176	-	-	-0.297	-	-	
	Upp. 2.543	-	-	-	-	-	-	0.223	-	-	0.133	-	-	
M40	Estimate	2.192	-	-	-	-	0.145	0.036	-	-	-	-	-0.123	3.70
	95% CI	Low. 1.856	-	-	-	-	-0.062	-0.160	-	-	-	-	-0.326	
	Upp. 2.529	-	-	-	-	-	0.353	0.232	-	-	-	-	0.081	
M41	Estimate	2.191	-	-	-	-	0.144	-	-	-0.036	-	-	-0.134	3.72
	95% CI	Low. 1.854	-	-	-	-	-0.063	-	-	-0.248	-	-	-0.327	
	Upp. 2.528	-	-	-	-	-	0.351	-	-	0.176	-	-	0.080	
M42	Estimate	2.189	-	-	-	-	0.141	-	0.028	-	-	-	-0.121	3.74
	95% CI	Low. 1.850	-	-	-	-	-0.068	-	-0.171	-	-	-	-0.325	
	Upp. 2.528	-	-	-	-	-	0.350	-	0.227	-	-	-	0.084	
M43	Estimate	2.188	-	-	-	-	0.150	-	0.033	-	-0.118	-	-	3.75
	95% CI	Low. 1.843	-	-	-	-	-0.062	-	-0.167	-	-0.342	-	-	
	Upp. 2.528	-	-	-	-	-	0.363	-	0.232	-	0.105	-	-	
M44	Estimate	2.180	-	-	-	0.036	0.154	-	-	-	-0.116	-	-	3.75
	95% CI	Low. 1.832	-	-	-	-0.194	-0.058	-	-	-	-0.340	-	-	
	Upp. 2.527	-	-	-	-	0.266	0.365	-	-	-	0.107	-	-	
M45	Estimate	2.187	-	-	-	-	0.154	-	-	-0.033	-0.120	-	-	3.76
	95% CI	Low. 1.846	-	-	-	-	-0.057	-	-	-0.246	-0.344	-	-	
	Upp. 2.527	-	-	-	-	-	0.365	-	-	0.180	0.103	-	-	
M46	Estimate	2.187	-	-	-	-	0.154	0.023	-	-	-0.117	-	-	3.80
	95% CI	Low. 1.846	-	-	-	-	-0.057	-0.171	-	-	-0.341	-	-	
	Upp. 2.529	-	-	-	-	-	0.366	0.217	-	-	0.108	-	-	

Table B.8A. [Continued]

		Intercept	Month (ref: May)			Fallow deer	Roe deer	Red deer	Moose	Wild boar	Mean height field layer	Coefficient of variance of height field layer	Temperature	Δ AIC
			June	July	August									
M47	Estimate	2.195	-	-	-	0.042	-	-	0.049	-	-	-	-	3.96
	95% CI	Low.	1.845	-	-	-	-0.190	-	-0.147	-	-	-	-	
		Upp.	2.545	-	-	-	0.275	-	0.246	-	-	-	-	
M48	Estimate	2.205	-	-	-	-	-	0.034	0.051	-	-	-	-	3.99
	95% CI	Low.	1.864	-	-	-	-	-0.166	-0.144	-	-	-	-	
		Upp.	2.547	-	-	-	-	0.233	0.246	-	-	-	-	

Table B.8B. Standardized model estimates with 95% confidence intervals for the analysis of the association between the abundance of questing *I. ricinus* ticks (larvae, nymphs and adults combined) and ungulate visitation frequencies, for the deer species summed. Models presented are the best performing GLMMs with a negative binomial distribution. The final model selected on which interpretations were based is highlighted in bold. M = model.

		Intercept	Month (ref: May)			Deer	Wild boar	Mean height field layer	Coefficient of variance of height field layer	Temperature	Δ AIC
			June	July	August						
M1	Estimate	2.204	-	-	-	-	-	-	-	-	-
	95% CI	Low.	1.861	-	-	-	-	-	-	-	0.00
		Upp.	2.547	-	-	-	-	-	-	-	-
M2	Estimate	2.210	-	-	-	-	-	-0.131	-	-	-
	95% CI	Low.	1.876	-	-	-	-	-0.357	-	-	0.83
		Upp.	2.544	-	-	-	-	0.094	-	-	-
M3	Estimate	2.200	-	-	-	-	-	-	-0.106	-	-
	95% CI	Low.	1.857	-	-	-	-	-	-0.310	-	1.25
		Upp.	2.541	-	-	-	-	-	0.097	-	-
M4	Estimate	2.193	-	-	-	0.094	-	-	-	-	-
	95% CI	Low.	1.845	-	-	-	-0.118	-	-	-	1.36
		Upp.	2.541	-	-	-	0.307	-	-	-	-
M5	Estimate	2.196	-	-	-	-	-	-0.085	-	-	-
	95% CI	Low.	1.849	-	-	-	-	-0.299	-	-	1.52
		Upp.	2.542	-	-	-	-	0.129	-	-	-
M6	Estimate	2.205	-	-	-	-	-0.033	-	-	-	-
	95% CI	Low.	1.863	-	-	-	-	-0.246	-	-	2.06
		Upp.	2.547	-	-	-	-	0.181	-	-	-
M7	Estimate	2.198	-	-	-	0.102	-	-	-0.136	-	-
	95% CI	Low.	1.859	-	-	-	-0.115	-	-0.361	-	2.11
		Upp.	2.537	-	-	-	0.320	-	0.089	-	-

Table B.8B. [Continued]

			Intercept	Month (ref: May)			Deer	Wild boar	Mean height field layer	Coefficient of variance of height field layer	Temperature	Δ AIC
				June	July	August						
M8	Estimate		2.205	-	-	-	-	-	-0.118	-0.092	2.36	
	95% CI	Low.	1.870	-	-	-	-	-	-0.344	-0.296		
		Upp.	2.539	-	-	-	-	-	0.108	0.111		
M9	Estimate		2.202	-	-	-	-	-0.083	-0.132	-	2.39	
	95% CI	Low.	1.865	-	-	-	-	-0.294	-0.359	-		
		Upp.	2.539	-	-	-	-	0.127	0.094	-		
M10	Estimate		2.187	-	-	-	0.102	-	-	-0.115	2.50	
	95% CI	Low.	1.840	-	-	-	-0.109	-	-	-0.321		
		Upp.	2.533	-	-	-	0.313	-	-	0.091		
M11	Estimate		2.208	-	-	-	-	-0.069	-0.134	-0.095	2.67	
	95% CI	Low.	1.877	-	-	-	-	-0.286	-0.363	-0.297		
		Upp.	2.538	-	-	-	-	0.147	0.095	0.108		
M12	Estimate		2.185	-	-	-	0.096	-	-0.088	-	2.87	
	95% CI	Low.	1.833	-	-	-	-0.116	-	-0.302	-		
		Upp.	2.536	-	-	-	0.308	-	0.127	-		
M13	Estimate		2.194	-	-	-	-	-	-0.60	-	3.15	
	95% CI	Low.	1.850	-	-	-	-	-	-0.278	-0.300		
		Upp.	2.538	-	-	-	-	-	0.157	0.118		
M14	Estimate		2.201	-	-	-	-	-0.010	-	-0.109	3.31	
	95% CI	Low.	1.861	-	-	-	-	-0.255	-	-0.312		
		Upp.	2.541	-	-	-	-	0.175	-	0.095		
M15	Estimate		2.194	-	-	-	0.095	-0.036	-	-	3.43	
	95% CI	Low.	1.848	-	-	-	-0.116	-0.250	-	-		
		Upp.	2.540	-	-	-	0.307	0.177	-	-		
M16	Estimate		2.191	-	-	-	0.107	-	-0.122	-0.100	3.58	
	95% CI	Low.	1.852	-	-	-	-0.108	-	-0.347	-0.306		
		Upp.	2.531	-	-	-	0.322	-	0.104	0.106		
M17	Estimate		2.197	-	-	-	-	-0.034	-0.085	-	3.61	
	95% CI	Low.	1.852	-	-	-	-	-0.249	-0.299	-		
		Upp.	2.542	-	-	-	-	0.182	0.129	-		
M18	Estimate		2.190	-	-	-	0.104	-	-0.086	-0.137	3.68	
	95% CI	Low.	1.847	-	-	-	-0.113	-	-0.297	-0.363		
		Upp.	2.532	-	-	-	0.320	-	0.136	0.089		
M19	Estimate		2.200	-	-	-	0.105	-0.071	-	-0.153	3.92	
	95% CI	Low.	1.864	-	-	-	-0.110	-0.286	-	-0.383		
		Upp.	2.535	-	-	-	0.320	0.145	-	0.076		

Table B.8C. Standardized model estimates with 95% confidence intervals for the analysis of the association between the abundance of questing *I. ricinus* ticks (larvae, nymphs and adults combined) and ungulate visitation frequencies, for the ungulate species summed. Models presented are the best performing GLMMs with a negative binomial distribution. The final model selected on which interpretations were based is highlighted in bold. M = model.

		Intercept	Month (ref: May)			Ungulates	Mean height field layer	Coefficient of variance of height field layer	Temperature	ΔAIC
			June	July	August					
M1	Estimate	2.204	-	-	-	-	-	-	-	0.00
	95% CI	Low. 1.861	-	-	-	-	-	-	-	
		Upp. 2.547	-	-	-	-	-	-	-	
M2	Estimate	2.210	-	-	-	-	-	-0.131	-	0.82
	95% CI	Low. 1.876	-	-	-	-	-	-0.357	-	
		Upp. 2.544	-	-	-	-	-	0.094	-	
M3	Estimate	2.200	-	-	-	-	-	-	-0.106	1.25
	95% CI	Low. 1.857	-	-	-	-	-	-	-0.310	
		Upp. 2.541	-	-	-	-	-	-	0.097	
M4	Estimate	2.196	-	-	-	-	-0.085	-	-	1.52
	95% CI	Low. 1.849	-	-	-	-	-0.299	-	-	
		Upp. 2.542	-	-	-	-	0.129	-	-	
M5	Estimate	2.201	-	-	-	0.027	-	-	-	2.08
	95% CI	Low. 1.856	-	-	-	-0.177	-	-	-	
		Upp. 2.546	-	-	-	0.231	-	-	-	
M6	Estimate	2.205	-	-	-	-	-	-0.118	-0.092	2.36
	95% CI	Low. 1.870	-	-	-	-	-	-0.344	0.296	
		Upp. 2.539	-	-	-	-	-	0.108	0.111	
M7	Estimate	2.202	-	-	-	-	-0.083	-0.132	-	2.39
	95% CI	Low. 1.865	-	-	-	-	-0.294	-0.359	-	
		Upp. 2.539	-	-	-	-	0.127	0.094	-	
M8	Estimate	2.207	-	-	-	0.028	-	-0.131	-	2.94
	95% CI	Low. 1.871	-	-	-	-0.179	-	-0.356	-	
		Upp. 2.543	-	-	-	0.234	-	0.094	-	
M9	Estimate	2.194	-	-	-	-	-0.060	-	-0.091	3.15
	95% CI	Low. 1.850	-	-	-	-	-0.278	-	-0.300	
		Upp. 2.538	-	-	-	-	0.157	-	0.118	
M10	Estimate	2.196	-	-	-	0.031	-	-	-0.108	3.34
	95% CI	Low. 1.851	-	-	-	-0.172	-	-	-0.312	
		Upp. 2.540	-	-	-	0.234	-	-	0.096	
M11	Estimate	2.193	-	-	-	0.028	-0.085	-	-	3.63
	95% CI	Low. 1.844	-	-	-	-0.175	-0.299	-	-	
		Upp. 2.542	-	-	-	0.231	0.129	-	-	

Table B.9A. Standardized model estimates with 95% confidence intervals for the analysis of the association between the abundance of questing *I. ricinus* nymphs and adults, and ungulate visitation frequencies. Models presented are the best performing GLMMs with a negative binomial distribution. The final model selected on which interpretations were based is highlighted in bold. M = model.s

		Intercept	Month (ref: May)			Fallow deer	Roe deer	Red deer	Moose	Wild boar	Mean height field layer	Coefficient of variance of height field layer	Temperature	ΔAIC
			June	July	August									
M1	Estimate	1.125	-0.879	-0.381	-0.456	-	-	-	-	-	-	-0.195	-0.237	0.00
	95% CI Low.	0.577	-1.521	-1.053	-1.038	-	-	-	-	-	-	-0.410	-0.493	
	Upp.	1.673	-0.237	0.291	0.126	-	-	-	-	-	-	0.019	0.018	
M2	Estimate	0.731	-	-	-	-	-	-	-	-	-	-0.196	-0.282	0.14
	95% CI Low.	0.435	-	-	-	-	-	-	-	-	-	-0.414	-0.492	
	Upp.	1.028	-	-	-	-	-	-	-	-	-	0.022	-0.071	
M3	Estimate	1.406	-1.055	-0.793	-0.732	-	-	-	-	-	-	-0.228	-	0.45
	95% CI Low.	0.945	-1.665	-1.317	-1.243	-	-	-	-	-	-	-0.442	-	
	Upp.	1.868	-0.445	-0.269	-0.222	-	-	-	-	-	-	-0.014	-	
M4	Estimate	1.119	-0.931	-0.339	-0.498	-	-	-	0.131	-	-	-0.185	-0.238	0.47
	95% CI Low.	0.569	-1.567	-1.005	-1.074	-	-	-	-0.052	-	-	-0.401	-0.494	
	Upp.	1.668	-0.294	0.327	0.079	-	-	-	0.314	-	-	0.032	0.018	
M5	Estimate	1.224	-1.026	-0.461	-0.553	-	-	-	-	-	0.143	-0.215	-0.241	0.59
	95% CI Low.	0.674	-1.697	-1.137	-1.145	-	-	-	-	-	-0.061	-0.434	-0.493	
	Upp.	1.774	-0.355	0.216	0.039	-	-	-	-	-	0.346	0.003	0.012	
M6	Estimate	1.136	-0.879	-0.393	-0.478	-	-	-	-	-	-	-	-0.275	0.77
	95% CI Low.	0.577	-1.523	-1.059	-1.054	-	-	-	-	-	-	-	-0.527	
	Upp.	1.696	-0.236	0.273	0.099	-	-	-	-	-	-	-	-0.022	
M7	Estimate	1.124	-0.937	-0.338	-0.522	-	-	-	0.146	-	-	-	-0.277	0.80
	95% CI Low.	0.563	-1.572	-0.997	-1.091	-	-	-	-0.037	-	-	-	-0.529	
	Upp.	1.685	-0.302	0.321	0.047	-	-	-	0.329	-	-	-	-0.026	
M8	Estimate	0.729	-	-	-	-	-	-	-	-	-	-	-0.324	0.82
	95% CI Low.	0.411	-	-	-	-	-	-	-	-	-	-	-0.534	
	Upp.	1.046	-	-	-	-	-	-	-	-	-	-	-0.113	
M9	Estimate	1.398	-1.110	-0.746	-0.769	-	-	-	0.130	-	-	-0.221	-	0.93
	95% CI Low.	0.933	-1.715	-1.268	-1.277	-	-	-	-0.052	-	-	-0.436	-	
	Upp.	1.862	-0.506	-0.223	-0.261	-	-	-	0.311	-	-	-0.007	-	
M10	Estimate	1.212	-1.068	-0.412	-0.588	-	-	-	0.132	-	0.143	-0.203	-0.242	1.27
	95% CI Low.	0.661	-1.729	-1.085	-1.173	-	-	-	-0.052	-	-0.062	-0.423	-0.495	
	Upp.	1.763	-0.406	0.260	-0.002	-	-	-	0.315	-	0.348	0.018	0.011	
M11	Estimate	1.505	-1.198	-0.881	-0.831	-	-	-	-	-	0.134	-0.246	-	1.14
	95% CI Low.	1.038	-1.840	-1.414	-1.354	-	-	-	-	-	-0.068	-0.465	-	
	Upp.	1.973	-0.556	-0.348	-0.308	-	-	-	-	-	0.337	-0.028	-	

Table B.9A. [Continued]

		<i>Intercept</i>	<i>Month (ref: May)</i>			<i>Fallow deer</i>	<i>Roe deer</i>	<i>Red deer</i>	<i>Moose</i>	<i>Wild boar</i>	<i>Mean height field layer</i>	<i>Coefficient of variance of height field layer</i>	<i>Temperature</i>	<i>ΔAIC</i>
			<i>June</i>	<i>July</i>	<i>August</i>									
M12	Estimate	0.762	-	-	-	-	-0.055	-	-	-	-	-0.256	-	
	95% CI	Low. 0.458	-	-	-	-	-0.244	-	-	-	-	-0.477	-	
	Upp.	1.066	-	-	-	-	0.134	-	-	-	-	-0.036	-	
M13	Estimate	1.393	-1.042	-0.784	-0.725	-	-0.057	-	-	-	-	-0.228	-	
	95% CI	Low. 0.929	-1.646	-1.305	-1.233	-	-0.234	-	-	-	-	-0.441	-	
	Upp.	1.857	-0.438	-0.263	-0.216	-	0.120	-	-	-	-	-0.015	-	
M14	Estimate	0.763	-	-	-	-	-	0.087	-	-	-	-0.252	-	
	95% CI	Low. 0.462	-	-	-	-	-	-0.087	-	-	-	-0.475	-	
	Upp.	1.063	-	-	-	-	-	0.260	-	-	-	-0.030	-	
M15	Estimate	0.768	-	-	-	-	-0.053	-	-	-	-	-	-	
	95% CI	Low. 0.434	-	-	-	-	-0.241	-	-	-	-	-	-	
	Upp.	1.102	-	-	-	-	0.134	-	-	-	-	-	-	
M16	Estimate	1.149	-1.244	-0.830	-0.861	-	-	0.129	-	0.134	-	-0.237	-	
	95% CI	Low. 1.022	-1.877	-1.363	-1.380	-	-	-0.053	-	-0.070	-	-0.456	-	
	Upp.	1.963	-0.611	-0.296	-0.341	-	-	0.311	-	0.338	-	-0.018	-	
M17	Estimate	0.772	-	-	-	-	-	0.042	-	-	-	-0.253	-	
	95% CI	Low. 0.476	-	-	-	-	-	-0.135	-	-	-	-0.475	-	
	Upp.	1.068	-	-	-	-	-	0.218	-	-	-	-0.030	-	
M18	Estimate	1.554	-1.220	-0.951	-0.887	-	-	-	-	0.108	-	-	-	
	95% CI	Low. 1.057	-1.880	-1.491	-1.419	-	-	-	-	-0.094	-	-	-	
	Upp.	2.051	-0.560	-0.411	-0.355	-	-	-	-	0.311	-	-	-	
M19	Estimate	1.542	-1.281	-0.893	-0.925	-	-	0.143	-	0.113	-	-	-	
	95% CI	Low. 1.046	-1.929	-1.432	-1.450	-	-	-0.039	-	-0.091	-	-	-	
	Upp.	2.039	-0.632	-0.355	-0.399	-	-	0.324	-	0.316	-	-	-	
M20	Estimate	1.426	-1.077	-0.811	-0.753	-0.043	-	-	-	-	-	-0.224	-	
	95% CI	Low. 0.960	-1.695	-1.341	-1.274	-0.238	-	-	-	-	-	-0.438	-	
	Upp.	1.892	-0.459	-0.281	-0.232	0.153	-	-	-	-	-	-0.010	-	
M21	Estimate	1.382	-1.094	-0.733	-0.762	-	-0.067	-	0.133	-	-	-0.222	-	
	95% CI	Low. 0.915	-1.691	-1.253	-1.267	-	-0.243	-	-0.046	-	-	-0.436	-	
	Upp.	1.849	-0.498	-0.212	-0.257	-	0.109	-	0.312	-	-	-0.009	-	
M22	Estimate	1.443	-1.322	-0.806	-0.836	-	-0.063	-	0.141	-	-	-	-	
	95% CI	Low. 0.956	-1.734	-1.329	-1.344	-	-0.238	-	-0.038	-	-	-	-	
	Upp.	1.929	-0.530	-0.284	-0.327	-	0.112	-	0.320	-	-	-	-	
M23	Estimate	1.495	-1.191	-0.875	-0.824	-	-0.066	-	-	0.138	-	-0.245	-	
	95% CI	Low. 1.025	-1.827	-1.405	-1.345	-	-0.244	-	-	-0.062	-	-0.463	-	
	Upp.	1.964	-0.555	-0.344	-0.304	-	0.112	-	-	0.339	-	-0.027	-	

Table B.9A. [Continued]

		Intercept	Month (ref: May)			Fallow deer	Roe deer	Red deer	Moose	Wild boar	Mean height field layer	Coefficient of variance of height field layer	Temperature	Δ AIC
			June	July	August									
M24	Estimate	1.136	-0.879	-0.393	-0.478	-	-	-	-	-	-	-0.275	2.10	
	95% CI Low.	0.577	-1.523	-1.059	-1.054	-	-	-	-	-	-	-0.527		
	Upp.	1.696	-0.236	0.273	0.099	-	-	-	-	-	-	-0.022		
M25	Estimate	0.722	-	-	-	-	-	0.079	-	-	-	-0.320	2.13	
	95% CI Low.	0.403	-	-	-	-	-	-0.093	-	-	-	-0.532		
	Upp.	1.042	-	-	-	-	-	0.252	-	-	-	-0.108		
M26	Estimate	0.737	-	-	-	-0.041	-	-	-	-	-0.190	-0.288	2.18	
	95% CI Low.	0.446	-	-	-	-0.242	-	-	-	-	-0.410	-0.501		
	Upp.	1.029	-	-	-	0.160	-	-	-	-	0.029	-0.076		
M27	Estimate	0.736	-	-	-	-	-	-	-	0.032	-0.202	-0.285	2.21	
	95% CI Low.	0.443	-	-	-	-	-	-	-	-0.168	-0.424	-0.496		
	Upp.	1.029	-	-	-	-	-	-	-	0.232	0.019	-0.074		
M28	Estimate	1.152	-0.912	-0.389	-0.499	-0.096	-	-	-	-	-	-0.293	2.24	
	95% CI Low.	0.601	-1.560	-1.057	-1.082	-0.291	-	-	-	-	-	-0.546		
	Upp.	1.704	-0.264	0.278	0.084	0.099	-	-	-	-	-	-0.039		
M29	Estimate	0.731	-	-	-	-	-	0.076	-	-	-	-0.329	2.26	
	95% CI Low.	0.420	-	-	-	-	-	-0.095	-	-	-	-0.541		
	Upp.	1.043	-	-	-	-	-	0.248	-	-	-	-0.118		
M30	Estimate	0.730	-	-	-	-	-	-	0.021	-	-0.193	-0.280	2.32	
	95% CI Low.	0.432	-	-	-	-	-	-	-0.180	-	-0.413	-0.491		
	Upp.	1.028	-	-	-	-	-	-	0.222	-	0.028	-0.070		
M31	Estimate	1.124	-0.878	-0.382	-0.454	-	-	-	0.006	-	-0.194	-0.237	2.34	
	95% CI Low.	0.575	-1.520	-1.053	-1.040	-	-	-	-0.203	-	-0.411	-0.493		
	Upp.	1.673	-0.235	0.290	0.132	-	-	-	0.215	-	0.022	0.020		
M32	Estimate	1.406	-1.055	-0.793	-0.732	-	-	-	-	-	-0.228	-	2.36	
	95% CI Low.	0.945	-1.665	-1.317	-1.243	-	-	-	-	-	-0.442	-		
	Upp.	1.868	-0.445	-0.269	-0.222	-	-	-	-	-	-0.014	-		
M33	Estimate	1.212	-1.068	-0.412	-0.588	-	-	0.132	-	0.143	-0.203	-0.242	2.38	
	95% CI Low.	0.661	-1.729	-1.085	-1.173	-	-	-0.052	-	-0.062	-0.423	-0.495		
	Upp.	1.763	-0.406	0.260	-0.002	-	-	0.315	-	0.348	0.018	0.011		
M34	Estimate	1.144	-0.970	-0.342	-0.546	-0.092	-	0.142	-	-	-	-0.293	2.41	
	95% CI Low.	0.589	-1.611	-1.002	-1.123	-0.288	-	-0.040	-	-	-	-0.546		
	Upp.	1.698	-0.330	0.319	0.031	0.104	-	0.324	-	-	-	-0.040		
M35	Estimate	1.134	-0.956	-0.344	-0.515	0.066	-	0.128	-	-	-0.174	-0.251	4.48	
	95% CI Low.	0.588	-1.599	-1.012	-1.098	-0.263	-	-0.055	-	-	-0.392	-0.509		
	Upp.	1.681	-0.313	0.324	0.068	0.130	-	0.310	-	-	0.045	0.008		

Table B.9A. [Continued]

		Intercept	Month (ref: May)			Fallow deer	Roe deer	Red deer	Moose	Wild boar	Mean height field layer	Coefficient of variance of height field layer	Temperature	Δ AIC
			June	July	August									
M48	Estimate	0.725	-	-	-	-	-	-	0.048	-	-	-0.318	2.79	
	95% CI	Low. 0.404	-	-	-	-	-	-	-0.154	-	-	-0.529		
	Upp. 1.047	-	-	-	-	-	-	-	0.250	-	-	-0.107		
M49	Estimate	1.115	-0.931	-0.342	-0.508	-	-	0.153	0.059	-	-	-0.270	2.81	
	95% CI	Low. 0.552	-1.560	-0.999	-0.074	-	-	-0.030	-0.151	-	-	-0.521		
	Upp. 1.678	-0.301	0.315	0.059	-	-	-	0.335	0.270	-	-	-0.018		
M50	Estimate	0.705	-	-	-	-	-0.111	-	0.085	-	-	-0.341	2.87	
	95% CI	Low. 0.377	-	-	-	-	-0.291	-	-0.084	-	-	-0.554		
	Upp. 1.032	-	-	-	-	0.069	-	0.254	-	-	-	-0.128		
M51	Estimate	1.123	-0.928	-0.343	-0.512	-	-	0.041	0.142	-	-	-0.280	2.88	
	95% CI	Low. 0.562	-1.567	-1.006	-1.088	-	-	-0.122	-0.041	-	-	-0.533		
	Upp. 1.683	-0.288	0.320	0.065	-	-	0.203	0.325	-	-	-	-0.028		
M52	Estimate	1.456	-1.150	-0.817	-0.839	-	-	-	0.140	-	-	-	2.90	
	95% CI	Low. 0.971	-1.759	-1.341	-1.350	-	-	-	-0.041	-	-	-		
	Upp. 1.941	-0.542	-0.293	-0.328	-	-	-	0.321	-	-	-	-		
M53	Estimate	1.164	-1.028	-0.350	-0.573	-	-0.105	-	0.153	-	0.130	-0.302	2.92	
	95% CI	Low. 0.588	-1.694	-1.026	-1.157	-	-0.281	-	-0.026	-	-0.072	-0.554		
	Upp. 1.740	-0.362	0.325	0.011	-	0.071	-	0.332	-	0.332	-	-0.050		
M54	Estimate	1.131	-0.873	-0.396	-0.468	-	-	-	0.034	-	-	-0.269	2.95	
	95% CI	Low. 0.570	-1.515	-1.062	-1.045	-	-	-	-	-0.176	-	-0.523		
	Upp. 1.692	-0.231	0.269	0.110	-	-	-	-	0.244	-	-	-0.015		
M55	Estimate	1.495	-1.191	-0.875	-0.824	-	-0.066	-	-	-	0.138	-0.245	2.97	
	95% CI	Low. 1.025	-1.827	-1.405	-1.345	-	-0.244	-	-	-	-0.062	-0.463		
	Upp. 1.964	-0.555	-0.344	-0.304	-	0.112	-	-	-	0.339	-0.027	-		
M56	Estimate	1.228	-1.031	-0.461	-0.560	-	-	-	-0.014	0.144	-0.218	-0.242	2.98	
	95% CI	Low. 0.676	-1.706	-1.137	-1.162	-	-	-	-	-0.061	-0.439	-0.495		
	Upp. 1.780	-0.356	0.215	0.042	-	-	-	-	0.193	0.350	0.003	0.011		
M57	Estimate	0.729	-	-	-	-	-	-	-	0.001	-	-0.324	2.99	
	95% CI	Low. 0.410	-	-	-	-	-	-	-	-0.196	-	-0.536		
	Upp. 1.048	-	-	-	-	-	-	-	-	0.199	-	0.112		
M58	Estimate	1.180	-0.980	-0.415	-0.530	-	-0.097	-	-	0.122	-	-0.297	3.08	
	95% CI	Low. 0.602	-1.660	-1.097	-1.124	-	-0.274	-	-	-0.079	-	-0.551		
	Upp. 1.759	-0.300	0.267	0.065	-	0.080	-	-	-	0.323	-	-0.044		
M59	Estimate	1.387	-1.104	-0.743	-0.752	-	-	-	0.135	0.045	-0.214	-	3.12	
	95% CI	Low. 0.918	-1.706	-1.264	-1.264	-	-	-	-0.047	-0.171	-0.431	-		
	Upp. 1.856	-0.502	-0.222	-0.239	-	-	-	0.317	0.260	-	0.004	-		

Table B.9A. [Continued]

		Intercept	Month (ref: May)			Fallow deer	Roe deer	Red deer	Moose	Wild boar	Mean height field layer	Coefficient of variance of height field layer	Temperature	Δ AIC
			June	July	August									
M60	Estimate	0.722	-	-	-	-	-0.090	0.060	-	-	-	-0.186	-0.304	3.13
	95% CI	Low.	0.425	-	-	-	-	-0.273	-0.117	-	-	-0.404	-0.517	
	Upp.	1.021	-	-	-	-	0.092	0.237	-	-	-	0.033	-0.092	
M61	Estimate	1.416	-1.130	-0.764	-0.788	-0.038	-	-	0.128	-	-	-0.217	-	3.15
	95% CI	Low.	0.946	-1.744	-1.295	-1.308	-0.235	-	-0.054	-	-	-0.432	-	
	Upp.	1.887	-0.516	-0.233	-0.269	0.160	-	-	0.309	-	-	-0.002	-	
M62	Estimate	1.212	-1.063	-0.416	-0.577	-	-	0.051	0.129	-	0.151	-0.203	-0.250	3.18
	95% CI	Low.	0.759	-1.727	-1.091	-1.168	-	-	-0.115	-0.055	-	-0.424	-0.504	
	Upp.	0.663	-0.399	0.259	0.014	-	-	0.217	0.312	-	0.358	0.018	0.005	
M63	Estimate	1.401	-1.109	-0.754	-0.768	-	-	0.026	0.129	-	-	-0.220	-	3.19
	95% CI	Low.	0.937	-1.715	-1.281	-1.279	-	-	-0.137	-0.052	-	-0.435	-	
	Upp.	1.865	-0.503	-0.227	-0.257	-	-	0.190	0.310	-	-	-0.005	-	
M64	Estimate	0.122	-1.081	-0.413	-0.599	-0.059	-	-	0.128	-	0.139	-0.191	-0.254	3.25
	95% CI	Low.	0.673	-1.744	-1.086	-1.189	-0.255	-	-	-0.055	-	-0.413	-0.509	
	Upp.	1.769	-0.418	0.260	-0.010	0.137	-	-	0.312	-	0.344	0.032	0.002	
M65	Estimate	1.511	-1.198	-0.892	-0.829	-	-	0.037	-	-	0.138	-0.245	-	3.30
	95% CI	Low.	1.044	-1.841	-1.430	-1.355	-	-	-0.129	-	-	-0.464	-	
	Upp.	1.977	-0.555	0.354	-0.303	-	-	0.203	-	-	0.341	-0.025	-	
M66	Estimate	0.717	-	-	-	-	-0.098	0.068	-	-	-	-	-0.347	3.33
	95% CI	Low.	0.398	-	-	-	-	-0.279	-0.106	-	-	-	-0.559	
	Upp.	1.036	-	-	-	-	0.082	0.242	-	-	-	-	-0.135	
M67	Estimate	1.480	-1.237	-0.820	-0.857	-	-0.078	-	0.135	-	0.141	-0.237	-	3.35
	95% CI	Low.	1.009	-1.862	-1.351	-1.374	-	-0.256	-	-0.044	-	-0.455	-	
	Upp.	1.952	-0.612	-0.289	-0.341	-	0.099	-	0.314	-	0.342	-0.020	-	
M68	Estimate	1.519	-1.210	-0.894	-0.846	-0.035	-	-	-	-	0.132	-0.241	-	3.37
	95% CI	Low.	1.049	-1.855	-1.431	-1.376	-0.230	-	-	-	-0.071	-0.460	-	
	Upp.	1.989	-0.566	-0.356	-0.315	0.161	-	-	-	-	0.334	-0.022	-	
M69	Estimate	0.723	-	-	-	-	-0.098	-	-	-	0.036	-0.196	-0.302	3.39
	95% CI	Low.	0.423	-	-	-	-	-0.280	-	-	-0.162	-0.417	-0.514	
	Upp.	1.023	-	-	-	-	0.085	-	-	-	0.234	0.026	-0.090	
M70	Estimate	1.238	-1.039	-0.459	-0.585	-0.095	-	-	-	-	0.116	-	-0.295	3.39
	95% CI	Low.	0.679	-1.720	-1.134	-1.181	-0.290	-	-	-	-0.088	-	-0.548	
	Upp.	1.797	-0.358	0.216	0.011	0.100	-	-	-	-	0.319	-	-0.043	
M71	Estimate	0.730	-	-	-	-	-	0.065	0.067	-	-	-0.188	-0.286	3.41
	95% CI	Low.	0.437	-	-	-	-	-	-0.106	-	-	-0.409	-0.499	
	Upp.	1.023	-	-	-	-	-	0.239	0.240	-	-	0.032	-0.073	

Table B.9A. [Continued]

		<i>Intercept</i>	<i>Month (ref: May)</i>			<i>Fallow deer</i>	<i>Roe deer</i>	<i>Red deer</i>	<i>Moose</i>	<i>Wild boar</i>	<i>Mean height field layer</i>	<i>Coefficient of variance of height field layer</i>	<i>Temperature</i>	<i>ΔAIC</i>
			<i>June</i>	<i>July</i>	<i>August</i>									
M72	Estimate	0.723	-	-	-	-0.036	-0.094	-	-	-	-0.185	-0.304	3.43	
	95% CI Low.	0.424	-	-	-	-0.239	-0.277	-	-	-	-0.403	-0.518		
	95% CI Upp.	1.023	-	-	-	0.166	0.088	-	-	-	0.034	-0.090		
M73	Estimate	1.505	-1.198	-0.881	-0.831	-	-	-	-	-0.001	0.134	-0.246	3.49	
	95% CI Low.	1.031	-1.845	-1.415	-1.371	-	-	-	-	-0.213	-0.070	-0.469		
	95% CI Upp.	1.980	-0.551	-0.347	-0.291	-	-	-	-	0.213	0.339	-0.024		
M74	Estimate	0.716	-	-	-	-	-0.096	-	-	0.022	-	-0.185	3.52	
	95% CI Low.	0.410	-	-	-	-	-0.278	-	-	-0.181	-	-0.406		
	95% CI Upp.	1.022	-	-	-	-	0.086	-	-	0.225	-	0.035		
M75	Estimate	1.225	-1.093	-0.406	-0.628	-0.091	-	-	0.146	-	0.120	-	-0.296	3.53
	95% CI Low.	0.665	-1.763	-1.075	-1.215	-0.286	-	-	-0.037	-	-0.084	-	-0.547	
	95% CI Upp.	1.785	-0.424	0.262	-0.041	0.105	-	-	0.328	-	0.325	-	-0.045	
M76	Estimate	1.208	-1.065	-0.412	-0.592	-	-	-	0.134	0.014	0.141	-0.200	-0.241	3.54
	95% CI Low.	0.654	-1.727	-1.084	-1.173	-	-	-	-0.053	-0.197	-0.066	-0.423	-0.494	
	95% CI Upp.	1.762	-0.403	0.260	0.009	-	-	-	0.320	0.224	0.348	0.023	0.012	
M77	Estimate	1.099	-0.866	-0.337	-0.438	-0.065	-0.077	-	-	-	-	-0.182	-0.267	3.59
	95% CI Low.	0.544	-1.512	-1.016	-1.029	-0.261	-0.255	-	-	-	-	-0.397	-0.527	
	95% CI Upp.	1.654	-0.221	0.342	0.152	0.131	0.100	-	-	-	-	0.033	-0.006	
M78	Estimate	0.721	-	-	-	-0.056	-0.101	-	-	-	-	-	-0.350	3.62
	95% CI Low.	0.404	-	-	-	-0.261	-0.282	-	-	-	-	-	-0.562	
	95% CI Upp.	1.038	-	-	-	0.149	0.081	-	-	-	-	-	-0.138	
M79	Estimate	0.725	-	-	-	-	-	0.074	0.077	-	-	-	-0.325	3.66
	95% CI Low.	0.412	-	-	-	-	-	-0.096	-0.096	-	-	-	-0.538	
	95% CI Upp.	1.039	-	-	-	-	-	0.245	0.249	-	-	-	-0.112	
M80	Estimate	1.222	-1.007	-0.468	-0.551	-	-	0.059	-	-	0.123	-	-0.284	3.68
	95% CI Low.	0.655	-1.693	-1.147	-1.148	-	-	-0.106	-	-	-0.081	-	-0.537	
	95% CI Upp.	1.789	-0.321	0.212	0.047	-	-	0.224	-	-	0.328	-	-0.032	
M81	Estimate	0.708	-	-	-	-	-0.105	-	-	0.048	-	-	-0.336	3.70
	95% CI Low.	0.378	-	-	-	-	-0.284	-	-	-0.156	-	-	-0.548	
	95% CI Upp.	1.038	-	-	-	-	0.075	-	-	0.252	-	-	-0.124	
M82	Estimate	1.081	-0.084	-0.333	-0.410	-	-0.079	0.038	-	-	-	-0.189	-0.260	3.75
	95% CI Low.	0.523	-1.477	-1.014	-1.001	-	-0.257	-0.128	-	-	-	-0.404	-0.521	
	95% CI Upp.	1.638	-0.193	0.349	0.180	-	0.098	0.205	-	-	-	0.026	0.001	
M83	Estimate	0.732	-	-	-	-0.036	-	-	0.067	-	-	-0.187	-0.284	3.80
	95% CI Low.	0.437	-	-	-	-0.239	-	-	-0.106	-	-	-0.408	-0.498	
	95% CI Upp.	1.026	-	-	-	0.167	-	-	0.240	-	-	0.034	-0.070	

Table B.9A. [Continued]

			Intercept	Month (ref: May)			Fallow deer	Roe deer	Red deer	Moose	Wild boar	Mean height field layer	Coefficient of variance of height field layer	Temperature	Δ AIC
			June	July	August										
M84	Estimate		0.731	-	-	-	-	-	0.069	-	0.031	-0.198	-0.281	3.80	
	95% CI	Low.	0.436	-	-	-	-	-	-0.104	-	-0.171	-0.421	-0.494		
		Upp.	1.026	-	-	-	-	-	0.242	-	0.233	0.025	-0.068		
M85	Estimate		1.107	-0.866	-0.338	-0.464	-0.086	-0.081	-	-	-	-	-0.310	3.81	
	95% CI	Low.	0.542	-1.513	-1.013	-1.051	-0.284	-0.259	-	-	-	-	-0.566		
		Upp.	1.671	-0.220	0.337	0.123	0.112	0.096	-	-	-	-	-0.053		
M86	Estimate		0.724	-	-	-	-	-	0.074	0.035	-	-0.186	-0.276	3.81	
	95% CI	Low.	0.422	-	-	-	-	-	-0.100	-0.168	-	-0.408	-0.488		
		Upp.	1.025	-	-	-	-	-	0.249	0.238	-	0.036	-0.064		
M87	Estimate		0.741	-	-	-	-	0.072	-	-	0.043	-0.200	-0.295	3.82	
	95% CI	Low.	0.456	-	-	-	-	-	-0.104	-	-0.159	-0.422	-0.507		
		Upp.	1.027	-	-	-	-	-	0.249	-	0.245	0.022	-0.082		
M88	Estimate		1.212	-1.064	-0.415	-0.598	-	-	0.052	0.146	-	0.128	-	-0.285	3.84
	95% CI	Low.	0.647	-1.737	-1.088	-1.185	-	-	-0.112	-0.038	-	-0.078	-	-0.536	
		Upp.	1.778	-0.391	0.257	-0.011	-	-	0.216	0.329	-	0.335	-	-0.034	
M89	Estimate		1.094	-0.916	-0.284	-0.510	-0.083	-0.089	-	0.144	-	-	-	-0.312	3.86
	95% CI	Low.	0.529	-1.555	-0.954	-1.091	-0.281	-0.265	-	-0.033	-	-	-	-0.567	
		Upp.	1.660	-0.277	0.386	0.071	0.116	0.088	-	0.322	-	-	-	-0.056	
M90	Estimate		0.713	-	-	-	-	-0.106	-	-	0.008	-	-0.344	3.87	
	95% CI	Low.	0.387	-	-	-	-	-0.287	-	-	-0.187	-	-0.557		
		Upp.	1.039	-	-	-	-	0.075	-	-	0.202	-	-0.131		
M91	Estimate		1.499	-1.246	-0.843	-0.861	-	-	0.036	0.128	-	0.138	-0.236	-	3.91
	95% CI	Low.	1.030	-1.881	-1.382	-1.383	-	-	-0.129	-0.053	-	-0.067	-0.455	-	
		Upp.	1.968	-0.612	-0.305	-0.339	-	-	0.201	0.310	-	0.343	-0.016	-	
M92	Estimate		1.554	-1.220	-0.951	-0.887	-	-	-	-	0.108	-	-	-	3.95
	95% CI	Low.	1.057	-1.880	-1.491	-1.419	-	-	-	-	-0.094	-	-	-	
		Upp.	2.051	-0.560	-0.411	-0.355	-	-	-	-	0.311	-	-	-	
M93	Estimate		1.082	-0.841	-0.334	-0.417	-	-0.082	-	-	0.007	-	-0.189	-0.255	3.96
	95% CI	Low.	0.522	-1.481	-1.012	-1.007	-	-	-0.260	-	-0.205	-	-0.406	-0.515	
		Upp.	1.641	-0.201	0.344	0.173	-	-	0.095	-	0.218	-	0.027	0.006	
M94	Estimate		0.717	-	-	-	-	-	0.087	0.063	-	-	-0.313	3.98	
	95% CI	Low.	0.392	-	-	-	-	-	-0.086	-0.140	-	-	-0.525		
		Upp.	1.042	-	-	-	-	-	0.260	0.266	-	-	-0.101		
M95	Estimate		0.739	-	-	-	-0.027	-	0.062	-	-	-0.189	-0.293	3.99	
	95% CI	Low.	0.451	-	-	-	-0.232	-	-0.116	-	-	-0.409	-0.506		
		Upp.	1.027	-	-	-	0.178	-	0.240	-	-	0.032	-0.080		

Table B.9B. Standardized model estimates with 95% confidence intervals for the analysis of the association between the abundance of questing *I. ricinus* nymphs and adults, and ungulate visitation frequencies, for the deer species summed. Models presented are the best performing GLMMs with a negative binomial distribution. The final model selected on which interpretations were based is highlighted in bold. M = model.

			Intercept	Month (ref: May)			Deer	Wild boar	Mean height field layer	Coefficient of variance of height field layer	Temperature	Δ AIC
				June	July	August						
M1	Estimate		1.125	-0.879	-0.381	-0.456	-	-	-	-0.195	-0.237	0.00
	95% CI	Low.	0.577	-1.521	-1.053	-1.038	-	-	-	-0.410	-0.496	
		Upp.	1.673	-0.237	0.291	0.126	-	-	-	0.019	0.018	
M2	Estimate		0.731	-	-	-	-	-	-	-0.196	-0.282	0.14
	95% CI	Low.	0.435	-	-	-	-	-	-	-0.414	-0.492	
		Upp.	1.028	-	-	-	-	-	-	0.022	-0.071	
M3	Estimate		1.406	-1.055	-0.793	-0.732	-	-	-	-0.228	-	0.45
	95% CI	Low.	0.945	-1.665	-1.317	-1.243	-	-	-	-0.442	-	
		Upp.	1.868	-0.445	-0.269	-0.222	-	-	-	-0.014	-	
M4	Estimate		1.224	-1.026	-0.461	-0.553	-	-	0.143	-0.215	-0.241	0.59
	95% CI	Low.	0.674	-1.697	-1.137	-1.145	-	-	-0.061	-0.434	-0.493	
		Upp.	1.774	-0.355	0.216	0.039	-	-	0.346	0.003	0.012	
M5	Estimate		1.136	-0.879	-0.393	-0.478	-	-	-	-	-0.275	0.77
	95% CI	Low.	0.577	-1.523	-1.059	-1.054	-	-	-	-	-0.527	
		Upp.	1.696	-0.236	0.273	0.099	-	-	-	-	-0.022	
M6	Estimate		0.729	-	-	-	-	-	-	-	-0.324	0.82
	95% CI	Low.	0.411	-	-	-	-	-	-	-	-0.534	
		Upp.	1.046	-	-	-	-	-	-	-	-0.113	
M7	Estimate		1.505	-1.198	-0.881	-0.831	-	-	0.134	-0.246	-	1.14
	95% CI	Low.	1.038	-1.840	-1.414	-1.354	-	-	-0.068	-0.465	-	
		Upp.	1.973	-0.556	-0.348	-0.308	-	-	0.337	-0.028	-	
M8	Estimate		0.733	-	-	-	-0.084	-	-	-0.198	-0.300	1.71
	95% CI	Low.	0.443	-	-	-	-0.285	-	-	-0.416	-0.514	
		Upp.	1.023	-	-	-	0.117	-	-	0.020	-0.086	
M9	Estimate		1.554	-1.220	-0.951	-0.887	-	-	0.108	-	-	1.86
	95% CI	Low.	1.057	-1.880	-1.491	-1.419	-	-	-0.094	-	-	
		Upp.	2.051	-0.560	-0.411	-0.355	-	-	0.311	-	-	
M10	Estimate		1.106	-0.854	-0.344	-0.451	-0.066	-	-	-0.195	-0.258	2.02
	95% CI	Low.	0.559	-1.499	-1.023	-1.033	-0.269	-	-	-0.409	-0.521	
		Upp.	1.654	-0.210	0.334	0.132	0.137	-	-	0.019	0.004	
M11	Estimate		0.736	-	-	-	-	-	0.032	-0.202	-0.285	2.21
	95% CI	Low.	0.443	-	-	-	-	-	-0.168	-0.424	-0.496	
		Upp.	1.029	-	-	-	-	-	0.232	0.019	-0.074	

Table B.9B. [Continued]

		<i>Intercept</i>	<i>Month (ref: May)</i>			<i>Deer</i>	<i>Wild boar</i>	<i>Mean height field layer</i>	<i>Coefficient of variance of height field layer</i>	<i>Temperature</i>	Δ AIC
			<i>June</i>	<i>July</i>	<i>August</i>						
M12	Estimate	0.730	-	-	-	-	0.021	-	-0.193	-0.280	2.32
	95% CI Low.	0.432	-	-	-	-	-0.180	-	-0.413	-0.491	
	Upp.	1.028	-	-	-	-	0.222	-	0.028	-0.070	
M13	Estimate	1.124	-0.787	-0.382	-0.454	-	0.006	-	-0.194	-0.237	2.34
	95% CI Low.	0.575	-1.520	-1.053	-1.040	-	-0.203	-	-0.411	-0.493	
	Upp.	1.673	-0.235	0.290	0.132	-	0.215	-	0.022	0.020	
M14	Estimate	0.729	-	-	-	-0.078	-	-	-	-0.343	2.40
	95% CI Low.	0.416	-	-	-	-0.275	-	-	-	-0.558	
	Upp.	1.041	-	-	-	0.118	-	-	-	-0.128	
M15	Estimate	1.406	-1.055	-0.793	-0.732	-	0.021	-	-0.228	-	2.72
	95% CI Low.	0.945	-1.665	-1.317	-1.243	-	-0.193	-	-0.442	-	
	Upp.	1.868	-0.445	-0.269	-0.222	-	0.235	-	-0.007	-	
M16	Estimate	1.114	-0.854	-0.351	-0.474	-0.066	-	-	-	-0.298	2.72
	95% CI Low.	0.555	-1.499	-1.026	-1.050	-0.265	-	-	-	-0.559	
	Upp.	1.674	-0.209	0.324	0.103	0.133	-	-	-	-0.037	
M17	Estimate	1.408	-1.053	-0.794	-0.737	-0.014	-	-	-0.229	-	2.74
	95% CI Low.	0.947	-1.663	-1.317	-1.251	-0.213	-	-	-0.443	-	
	Upp.	1.869	-0.442	-0.270	-0.222	0.185	-	-	-0.015	-	
M18	Estimate	1.401	-1.050	-0.792	-0.733	-	-	-	-	-	2.76
	95% CI Low.	0.935	-1.661	-1.315	-1.242	-	-	-	-	-	
	Upp.	1.866	-0.439	-0.268	-0.203	-	-	-	-	-	
M19	Estimate	1.205	-0.998	-0.428	-0.545	-0.054	-	0.137	-0.214	-0.257	2.77
	95% CI Low.	0.653	-1.675	-1.113	-1.138	-0.259	-	-0.066	-0.432	-0.516	
	Upp.	1.757	-0.321	0.258	0.048	0.151	-	0.341	0.004	0.002	
M20	Estimate	0.725	-	-	-	-	0.049	-	-	-0.318	2.79
	95% CI Low.	0.404	-	-	-	-	-0.154	-	-	-0.529	
	Upp.	1.047	-	-	-	-	0.250	-	-	-0.107	
M21	Estimate	1.131	-0.873	-0.396	-0.468	-	0.034	-	-	-0.269	2.95
	95% CI Low.	0.570	-1.515	-1.062	-1.045	-	-0.176	-	-	-0.523	
	Upp.	1.692	-0.231	0.269	0.110	-	0.244	-	-	-0.015	
M22	Estimate	1.228	-1.031	-0.461	-0.560	-	-0.014	0.144	-0.218	-0.242	2.98
	95% CI Low.	0.676	-1.706	-1.137	-1.162	-	-0.220	-0.061	-0.439	-0.495	
	Upp.	1.780	-0.356	0.215	0.042	-	0.193	0.350	0.003	0.011	
M23	Estimate	0.729	-	-	-	-	-	0.001	-	-0.324	2.99
	95% CI Low.	0.410	-	-	-	-	-	-0.196	-	-0.536	
	Upp.	1.048	-	-	-	-	-	0.199	-	0.112	

Table B.9B. [Continued]

			<i>Intercept</i>	<i>Month (ref: May)</i>			<i>Deer</i>	<i>Wild boar</i>	<i>Mean height field layer</i>	<i>Coefficient of variance of height field layer</i>	<i>Temperature</i>	Δ AIC
				<i>June</i>	<i>July</i>	<i>August</i>						
M24	Estimate		1.506	-1.197	-0.881	-0.832	-0.003	-	0.134	-0.246	-	3.49
	95% CI	Low.	1.038	-1.842	-1.414	-1.357	-0.205	-	-0.069	-0.465	-	
		Upp.	1.973	-0.552	-0.348	-0.306	0.198	-	0.337	-0.028	-	
M25	Estimate		1.505	-1.198	-0.881	-0.831	-	-0.001	0.134	-0.246	-	3.49
	95% CI	Low.	1.031	-1.845	-1.415	-1.371	-	-0.213	-0.070	-0.469	-	
		Upp.	1.980	-0.551	-0.347	-0.291	-	0.213	0.339	-0.024	-	
M26	Estimate		0.737	-	-	-	-0.083	-	0.031	-0.203	-0.303	3.83
	95% CI	Low.	0.450	-	-	-	-0.285	-	-0.168	-0.424	-0.517	
		Upp.	1.024	-	-	-	0.118	-	0.230	0.018	-0.089	
M27	Estimate		0.731	-	-	-	-0.083	0.019	-	-0.195	-0.298	3.94
	95% CI	Low.	0.440	-	-	-	-0.285	-0.182	-	-0.415	-0.512	
		Upp.	1.023	-	-	-	0.118	0.220	-	0.026	-0.084	
M28	Estimate		1.203	-0.986	-0.427	-0.559	-0.058	-	0.112	-	-0.297	3.95
	95% CI	Low.	0.632	-1.674	-1.113	-1.151	-0.259	-	-0.092	-	-0.556	
		Upp.	1.774	-0.298	0.260	0.033	0.143	-	0.315	-	-0.038	
M29	Estimate		1.554	-1.220	-0.951	-0.887	-	-	0.108	-	-	3.95
	95% CI	Low.	1.057	-1.880	-1.491	-1.419	-	-	-0.094	-	-	
		Upp.	2.051	-0.560	-0.411	-0.355	-	-	0.311	-	-	

Table B.9C. Standardized model estimates with 95% confidence intervals for the analysis of the association between the abundance of questing *I. ricinus* nymphs and adults, and ungulate visitation frequencies, for the ungulate species summed. Models presented are the best performing GLMMs with a negative binomial distribution. The final model selected on which interpretations were based is highlighted in bold. M = model.

			Intercept	Month (ref: May)			Ungulates	Mean height field layer	Coefficient of variance of height field layer	Temperature	ΔAIC
				June	July	August					
M1	95% CI	Estimate	0.727	-	-	-	-0.208	-	-0.209	-0.344	0.00
		Low.	0.452	-	-	-	-0.405	-	-0.423	-0.560	
		Upp.	1.002	-	-	-	-0.011	-	0.006	-0.128	
M2	95% CI	Estimate	1.062	-0.803	-0.269	-0.434	-0.196	-	-0.201	-0.313	0.73
		Low.	0.528	-1.439	-0.931	-1.012	-0.395	-	-0.413	-0.577	
		Upp.	1.596	-0.168	0.394	0.143	0.004	-	0.011	-0.049	
M3	95% CI	Estimate	0.724	-	-	-	-0.190	-	-	-0.389	1.11
		Low.	0.426	-	-	-	-0.384	-	-	-0.608	
		Upp.	1.022	-	-	-	0.003	-	-	-0.170	
M4	95% CI	Estimate	1.125	-0.879	-0.381	-0.456	-	-	-0.195	-0.237	1.45
		Low.	0.577	-1.521	-1.053	-1.038	-	-	-0.410	-0.493	
		Upp.	1.673	-0.237	0.291	0.126	-	-	0.019	0.018	
M5	95% CI	Estimate	0.731	-	-	-	-	-	-0.196	-0.282	1.59
		Low.	0.435	-	-	-	-	-	-0.414	-0.492	
		Upp.	1.028	-	-	-	-	-	0.022	-0.071	
M6	95% CI	Estimate	1.155	-0.933	-0.350	-0.524	-0.187	0.126	-0.216	-0.309	1.66
		Low.	0.613	-1.598	-1.020	-1.115	-0.388	-0.074	-0.430	-0.569	
		Upp.	1.697	-0.268	0.321	0.066	0.014	0.326	-0.002	-0.048	
M7	95% CI	Estimate	1.069	-0.808	-0.270	-0.460	-0.185	-	-	-0.357	1.68
		Low.	0.523	-1.444	-0.931	-1.032	-0.382	-	-	-0.620	
		Upp.	1.616	-0.172	0.392	0.111	0.013	-	-	-0.093	
M8	95% CI	Estimate	1.406	-1.055	-0.793	-0.732	-	-	-0.228	-	1.90
		Low.	0.945	-1.665	-1.317	-1.243	-	-	-0.442	-	
		Upp.	1.868	-0.445	-0.269	-0.222	-	-	-0.014	-	
M9	95% CI	Estimate	1.224	-1.026	-0.461	-0.553	-	0.143	-0.215	-0.241	2.05
		Low.	0.674	-1.697	-1.137	-1.145	-	-0.061	-0.434	-0.493	
		Upp.	1.774	-0.355	0.216	0.039	-	0.346	0.003	0.012	
M10	95% CI	Estimate	0.731	-	-	-	-0.208	0.028	-0.213	-0.346	2.12
		Low.	0.458	-	-	-	-0.405	-0.167	-0.430	-0.563	
		Upp.	1.004	-	-	-	-0.011	0.222	0.003	-0.130	
M11	95% CI	Estimate	1.136	-0.879	-0.393	-0.478	-	-	-	-0.275	2.22
		Low.	0.577	-1.523	-1.059	-1.054	-	-	-	-0.527	
		Upp.	1.696	-0.236	0.273	0.099	-	-	-	-0.022	

Table B.9C. [Continued]

			<i>Intercept</i>	<i>Month (ref: May)</i>			<i>Ungulates</i>	<i>Mean height field layer</i>	<i>Coefficient of variance of height field layer</i>	<i>Temperature</i>	Δ AIC
				<i>June</i>	<i>July</i>	<i>August</i>					
M12	Estimate	0.729	-	-	-	-	-	-	-0.324	2.28	
	95% CI	Low. 0.411	-	-	-	-	-	-	-0.534		
	Upp. 1.046	-	-	-	-	-	-	-	-0.113		
M13	Estimate	1.505	-1.198	-0.881	-0.831	-	0.134	-0.246	-	2.59	
	95% CI	Low. 1.038	-1.840	-1.414	-1.354	-	-0.068	-0.465	-		
	Upp. 1.973	-0.556	-0.343	-0.308	-	0.337	-0.028	-			
M14	Estimate	1.424	-1.038	-0.805	-0.775	-0.118	-	-0.244	-	2.81	
	95% CI	Low. 0.977	-1.642	-1.322	-1.289	-0.309	-	-0.457	-		
	Upp. 1.872	-0.435	-0.289	-0.261	0.073	-	-0.030	-			
M15	Estimate	1.153	-0.930	-0.342	-0.542	-0.179	0.104	-	-0.354	3.01	
	95% CI	Low. 0.593	-1.607	-1.015	-1.131	-0.378	-0.097	-	-0.616		
	Upp. 1.713	-0.253	0.332	0.047	0.019	0.306	-	-0.093			
M16	Estimate	1.226	-1.015	-0.467	-0.567	-	0.116	-	-0.277	3.32	
	95% CI	Low. 0.658	-1.699	-1.142	-1.158	-	-0.087	-	-0.528		
	Upp. 1.794	-0.332	0.208	0.025	-	0.320	-	-0.026			
M17	Estimate	0.724	-	-	-	-0.190	-0.002	-	-0.389	3.32	
	95% CI	Low. 0.423	-	-	-	-0.384	-0.197	-	-0.608		
	Upp. 1.024	-	-	-	0.003	0.193	-	-0.169			
M18	Estimate	0.736	-	-	-	-	0.032	-0.202	-0.285	3.67	
	95% CI	Low. 0.443	-	-	-	-	-0.168	-0.424	-0.496		
	Upp. 1.029	-	-	-	-	0.232	0.019	-0.074			
M19	Estimate	1.515	-1.168	-0.887	-0.864	-0.112	0.126	-0.278	-	3.71	
	95% CI	Low. 1.059	-1.803	-1.413	-1.390	-0.305	-0.075	-0.474	-		
	Upp. 1.971	-0.534	-0.360	-0.338	0.081	0.326	-0.041	-			