

Supplementary Information.

Spatial complexity of carcass location influences vertebrate scavenger efficiency and species composition

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Supplementary Table S1. Linear mixed effects models (LME) constructed to determine differences in length of time until carcass removal for nestling chicken and quail carcasses as a function of habitat and carcass type based on scavenging trials conducted 29 May to 29 July 2015 and 30 June to 27 July 2016 in forested plots at the Savannah River Site, Aiken, SC, USA.

Model ^a	K^b	AIC _c	Δ AIC _c ^c	w^d	Cum.Wt	LL ^e
species	5	94.18	0	0.63	0.63	-41.05
habitat+species	6	96.71	2.53	0.18	0.81	-40.85
null	4	97.73	3.55	0.11	0.92	-44.2
habitat*species	7	99.21	5.03	0.05	0.97	-40.53
habitat	5	100.33	6.16	0.03	1	-44.13

^aHabitat = carcass placed in a tree or on the ground, species = chicken or quail chicks. All models included site and year as random effects.

^bNumber of parameters.

^cDifference in AIC_c relative to min. AIC_c.

^dAkaike wt.

^eLog likelihood.

Supplementary Table S2. Linear mixed effects models (LME) constructed to determine differences in fate (scavenged vs not scavenged) of nestling chicken and quail carcasses as a function of habitat and carcass type based on scavenging trials conducted 29 May to 29 July 2015 and 30 June to 27 July 2016 in forested plots at the Savannah River Site, Aiken, SC, USA.

Model ^a	K^b	AIC _c	Δ AIC _c ^c	w^d	Cum.Wt	LL ^e
habitat	4	186.8	0	0.59	0.59	-89.30
habitat+species	5	188.59	1.79	0.24	0.83	-89.14
habitat*species	6	189.98	3.17	0.12	0.95	-88.77
null	3	192.38	5.58	0.04	0.99	-93.13
species	4	194.21	7.41	0.01	1	-93.00

^aHabitat = carcass placed in a tree or on the ground, species = chicken or quail chicks. All models included site and year as random effects.

^bNumber of parameters.

^cDifference in AIC_c relative to min. AIC_c.

^dAkaike wt.

^eLog likelihood.