

Supplementary material

Appendix 1

Table A1. Initial and final models explaining telomere length (of hatchlings and fledglings), tarsus length, body mass and body condition of spotless starling nestlings. Brightness is used as eggshell colour variable. Numbers in bold indicate effects with associated p-values smaller than 0.1. Interactions between eggshell colouration (i.e. brightness) and location were estimated in separate models that also include main effects, while main effects were estimated in models that did not include interactions. Thus, degrees of freedom associated to F-values of the interactions between brightness and location explaining telomere length and body condition of fledglings are 1,46 and 1,47, respectively.

	Telomere length of hatchlings		Telomere length of fledglings		Tarsus length		Body mass		Body condition	
	F _{1,45}	P	F _{1,45}	P	F _{1,45}	P	F _{1,45}	P	F _{1,45}	P
Initial model										
Hatching date	0.67	0.418	5.13	0.028	0.10	0.759	1.28	0.264	1.54	0.221
(Hatching date) ²	0.53	0.470	4.24	0.045	0.21	0.652	1.88	0.177	2.05	0.159
Brightness	1.24	0.271	10.63	0.002	0.81	0.372	0.75	0.390	4.19	0.047
Location	0.17	0.678	14.56	<0.001	6.22	0.016	10.67	0.002	4.21	0.046
Feather treatment	1.59	0.213	0.17	0.684	0.04	0.849	0.57	0.452	1.48	0.231
Plant treatment	0.14	0.709	0.97	0.330	3.66	0.062	0.80	0.374	0.38	0.542
Final model			F _{1,47}	P	F _{1,48}	P	F _{1,49}	P	F _{1,48}	P
Hatching date	-	-	5.45	0.024	-	-	-	-	-	-
(Hatching date) ²	-	-	4.52	0.039	4.68	0.035	9.12	0.004	5.97	0.018
Brightness (1)	-	-	12.81	0.001	-	-	-	-	4.76	0.034
Location (2)	-	-	15.34	0.000	6.77	0.012	9.53	0.003	3.07	0.086
Feather treatment	-	-	-	-	-	-	-	-	-	-
Plant treatment	-	-	-	-	4.313	0.043	-	-	-	-
(1) x (2)			0.24	0.629					1.75	0.192