

Supplementary material

Henning Heldbjerg*, Anthony D. Fox, Thorsten J.S. Balsby & Peder V. Thellesen 2022: Night-brooding behaviour in provisioning cavity-nesting birds is a trade-off between adult predation risk and nestling thermoregulation needs. — *Ornis Fennica* 99: 26–36.

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Table S1. The number of nights with Starlings scored as roosting in the nest box (score 0) or away from the nest box (score 1) during evening, morning and for the combination of those two. B indicate the number of scores, which disagreed between the evening observation and the subsequent morning and V the number of lost data events caused by technical problems with the videos. The observed period of change from roosting in the nest box to roosting away is shown for each bird.

ID	Evening 0:1	Morning 0:1	Complete 0:1	Complete B	Complete V	Hatching date	Roost change day
2015-1	9:4	7:5	7:3	2	2	03-05-2015	8-10
2015-1b	6:8	6:8	4:6	4	0	15-06-2015	8-9
2015-3	5:7	6:5	4:4	3	3	07-05-2015	8-9
2015-4	6:8	8:6	4:4	6	0	20-06-2015	7-9
2016-2	5:9	4:10	4:9	1	0	03-05-2016	4-5
2016-3	6:7	7:7	6:6	1	1	02-05-2016	7-8
2016-4	10:3	7:7	7:3	3	1	20-05-2016	8-11
2017-4	8:3	7:4	6:2	2	4	06-05-2017	8-13
SUM	55:49	52:52	42:37	22	11		
SUM 2	104	104	79				

Table S2. The number of tracked Starlings of each sex included in this study which provided data on their roost sites, showing the number of days with data from consecutive nights and sample sizes for timing of arrival to and departure from the roost.

Starlings	Number of birds	Roosts (total)	Roosts (two nights)	Arrival to roost	Departure from roost birds (nights)
Females	10	15	5	5	5 (8)
Males	8	11	3	5	3 (5)
Both sexes	18	26	8	10	8 (13)

Table S3. Roosting site information for 18 breeding Starlings derived from a total of 26 nights. Nestling age is defined by counting from the date of hatching as day one.

Logger	Ring	Sex	Year	Nestling age	Brood size	Roosting habitat	Distance (km)	Dusk	Night	Dawn
S7	8E03443	F	2015	10	6	Willow	0.5	1	1	
S8	8E03444	F	2015	11	6	Nest box	0		1	
S10	8E03446	F	2015	9	5	Willow	3	1	1	
S3	8A42334	M	2015	3	6	Deciduous trees	1	1	1	
S2	8E03440	M	2015	5	6	Coniferous trees in urban area	8	1	1	
S5	8E03442	M	2015	7	5	Willow	3	1	1	
S9	8E03447	M	2015	9	5	Willow	3	1	1	
9	8E03621	F	2016	11-12	6	Willow	1	1	2	
9	8E03622	F	2016	5-6	5	Nest box	0		2	2
4	8E03626	F	2016	4-5	7	Nest box	0	1	2	2
1	8E03627	F	2016	4-5	6	Nest box	0		2	2
12	8E03632	F	2016	5	6	Deciduous trees	0.75		1	1
15	8E03633	F	2016	5	3	Willow	1		1	
4	8E03634	F	2016	10-11	7	Willow	1	1	2	1
11	8E03618	M	2016	6-7	5	Willow	1		2	2
13	8E03628	M	2016	5	7	Willow	1		1	1
14	8E03629	M	2016	5-6	6	Willow	1	1	2	2
17	8E03630	M	2016	5-6	6	Willow	1		2	
								= 10	= 26	= 13



Fig. S1. Starling nestlings at c. day eight (close to the inflection point).