

1 Supplementary material

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3 **Table S1.** Summary data for study plots. See Material and methods for definitions.

Study site	BT	CF	GT	PF	TestDist	Latitude (°N)	Longitude (°E)	Altitude	Area	Urbanised.	Houses/km ²	Intensity of urbanisation	Exact location
Alviano	no	no	yes	no	no	42.622347	12.24265	90	Italy	no	0	0	yes
Arinelle	yes	no	yes	no	no	42.5920178	8.96317587	80	Corsica	no	15.9154943	1.22828469	yes
Aulnaie	yes	no	yes	no	yes	42.420917	8.665214	0	Corsica	no	0	0	yes
Avapessa	yes	no	yes	no	no	42.5552964	8.8970414	350	Corsica	no	0	0	yes
Barcelona	no	no	yes	no	no	41.46454414	2.143986	225	Spain	no	0	0	yes
Bern-Bremer	no	no	yes	no	no	46.961333	7.406778	558	Switzerland	no	0	0	yes
Bern-Forst	no	no	yes	no	no	46.918611	7.3105	650	Switzerland	no	55.7042301	1.75361546	yes
Bern-Köniz	no	no	yes	no	no	46.931972	7.401639	640	Switzerland	no	0	0	yes
Bern-Spielwald	no	no	yes	no	no	46.947778	7.315833	650	Switzerland	no	0	0	yes
Białowieża (primeval stands)	no	yes	no	no	no	52.718176	23.850308	160	Poland	no	0	0	yes
Białowieża CZ (managed stands)	no	no	no	yes	no	52.672407	23.724228	160	Poland	no	0	0	yes
BOSHOEK	yes	no	yes	no	yes	51.1331	4.519	10	Belgium	no	15.9154943	1.22828469	yes
Brabtia	yes	no	no	no	no	36.851797	8.331434	30	Algeria	no	55.7042301	1.75361546	yes
Brampton Wood	no	no	yes	no	no	52.313056	-0.266667	35	England	no	0	0	yes
Bussaco	yes	no	yes	no	no	40.371733	-8.366527	500	Portugal	no	0	0	yes
Bute Park. Cardiff	yes	no	yes	no	yes	51.486389	-3.183333	8	Wales	yes	183.028185	2.26488434	yes
Buunderkamp	no	no	no	yes	no	52	5	100	Netherlands	no	7.95774715	0.9521988	no
Caltavuturo	no	no	yes	no	no	37.79	13.9139	800	Sicily	no	55.7042301	1.75361546	yes
Cantabrian mountains	yes	no	yes	no	no	42.639967	-5.093158	995	Spain	no	0	0	yes
Cap Corse	yes	no	no	no	yes	42.357819	8.755428	900	Corsica	no	0	0	yes
Castelporziano	yes	no	yes	no	no	41.722199	12.408438	0	Italy	no	0	0	yes

Cesarò	yes	no	yes	no	no	37.952075	14.693217	1500	Sicily	no	0	0	yes
Corte	yes	no	no	no	no	42.280308	9.203445	550	Corsica	no	39.7887358	1.61054024	yes
Cyncoed	yes	no	yes	no	yes	51.519722	-3.163056	65	Wales	yes	1066.33812	3.02830202	yes
Dæli. Bærum	no	no	no	yes	no	59.9321	10.5490	161	Norway	no	39.7887358	1.61054024	yes
Dunas São Jacinto	no	no	yes	no	no	40.680928	-8.729632	8	Portugal	no	0	0	yes
El Pedroso	yes	no	no	no	no	37.78	-5.08	500	Spain	no	23.8732415	1.39573239	no
El Titllar	no	no	yes	no	no	41.337968	1.015828	925	Spain	no	0	0	yes
Feliceto	yes	no	yes	no	no	42.5480642	8.93379121	280	Corsica	no	31.8309886	1.51628396	yes
Filagna	yes	no	yes	no	yes	42.5869699	8.96154104	100	Corsica	no	39.7887358	1.61054024	yes
Finestres	yes	no	yes	no	no	42.112864	2.599039	650	Spain	no	0	0	yes
Foljuif-Nemours	yes	no	yes	no	yes	48.288158	2.674152	96	France	no	31.8309886	1.51628396	yes
Fontainebleau	yes	no	yes	no	no	48.421965	2.678144	95	France	no	0	0	yes
Forêt d'Orient	yes	no	yes	no	no	48.284424	4.252841	150	France	no	0	0	yes
Genovesa	yes	no	yes	no	no	42.5250	8.858333	150	Corsica	no	0	0	yes
GENT	yes	no	yes	no	no	51.0051	3.7000	10	Belgium	no	23.8732415	1.39573239	yes
Golani	no	no	yes	no	no	32.781813	35.419008	213	Israel	no	15.9154943	1.22828469	yes
Gole del Sagittario	yes	no	yes	no	no	41.982026	13.801916	600	Italy	no	0	0	yes
Gotland-AL	no	yes	yes	no	no	57.098096	18.313756	6	Sweden	no	0	0	yes
Gotland-AN	yes	yes	yes	no	no	57.084266	18.314587	6	Sweden	no	0	0	yes
Gotland-BF	no	yes	no	no	no	57.210402	18.329574	6	Sweden	no	0	0	yes
Gotland-BH	no	yes	yes	no	no	57.111941	18.384268	6	Sweden	no	0	0	yes
Gotland-BI1	no	yes	no	no	no	57.191904	18.366889	6	Sweden	no	0	0	yes
Gotland-BI2	no	yes	no	no	no	57.197474	18.354555	6	Sweden	no	0	0	yes
Gotland-BJ	yes	yes	yes	no	no	57.056293	18.299668	6	Sweden	no	7.95774715	0.9521988	yes
Gotland-BK	no	yes	yes	no	no	57.037613	18.290222	6	Sweden	no	0	0	yes
Gotland-BO	yes	yes	yes	no	no	57.018669	18.280267	6	Sweden	no	7.95774715	0.9521988	yes
Gotland-BP	no	no	yes	no	no	57.5	18.5	6	Sweden	no	0	0	no
Gotland-BS	yes	yes	yes	no	no	57.052075	18.292604	6	Sweden	no	7.95774715	0.9521988	yes
Gotland-BU	no	yes	no	no	no	57.5	18.5	6	Sweden	no	0	0	no
Gotland-DO	no	yes	yes	no	no	57.109204	18.340844	6	Sweden	no	0	0	yes

Gotland-DT	no	yes	yes	no	no	57.128568	18.314912	6	Sweden	no	0	0	yes
Gotland-ET	no	yes	no	no	no	57.5	18.5	6	Sweden	no	0	0	no
Gotland-FA	yes	yes	yes	no	no	57.003535	18.326503	6	Sweden	no	39.7887358	1.61054024	yes
Gotland-FE	no	yes	no	no	no	57.5	18.5	6	Sweden	no	0	0	no
Gotland-FG	no	yes	no	no	no	57.5	18.5	6	Sweden	no	0	0	no
Gotland-FK	yes	yes	yes	no	no	57.070224	18.305909	6	Sweden	no	0	0	yes
Gotland-FL	no	yes	no	no	no	57.5	18.5	6	Sweden	no	0	0	no
Gotland-FO	yes	yes	yes	no	no	57.080036	18.303279	6	Sweden	no	0	0	yes
Gotland-FP	yes	yes	yes	no	no	57.084182	18.306161	6	Sweden	no	0	0	yes
Gotland-GA	no	yes	yes	no	no	57.14732	18.305243	6	Sweden	no	0	0	yes
Gotland-GB	no	yes	yes	no	no	57.135377	18.334435	6	Sweden	no	0	0	yes
Gotland-GE	no	yes	no	no	no	57.5	18.5	6	Sweden	no	0	0	no
Gotland-GO	no	yes	no	no	no	57.5	18.5	6	Sweden	no	0	0	no
Gotland-GR	yes	yes	yes	no	no	57.058096	18.322457	6	Sweden	no	0	0	yes
Gotland-GU	no	yes	no	no	no	57.172942	18.400334	6	Sweden	no	0	0	yes
Gotland-HA	no	yes	no	no	no	57.5	18.5	6	Sweden	no	0	0	no
Gotland-HG	no	yes	no	no	no	57.21328	18.250019	6	Sweden	no	0	0	yes
Gotland-HM	no	yes	no	no	no	57.5	18.5	6	Sweden	no	0	0	no
Gotland-JA	no	yes	no	no	no	57.209331	18.411273	6	Sweden	no	7.95774715	0.9521988	yes
Gotland-JB	no	yes	no	no	no	57.5	18.5	6	Sweden	no	0	0	no
Gotland-JD	no	yes	no	no	no	57.5	18.5	6	Sweden	no	0	0	no
Gotland-JE	no	yes	no	no	no	57.5	18.5	6	Sweden	no	0	0	no
Gotland-JF	no	yes	no	no	no	57.5	18.5	6	Sweden	no	0	0	no
Gotland-JZ	no	yes	no	no	no	57.5	18.5	6	Sweden	no	0	0	no
Gotland-KA	no	yes	yes	no	no	57.118656	18.344841	6	Sweden	no	0	0	yes
Gotland-KT	no	yes	yes	no	no	57.034967	18.30657	6	Sweden	no	0	0	yes
Gotland-LI	no	yes	yes	no	no	57.137126	18.314163	6	Sweden	no	0	0	yes
Gotland-LO	no	yes	no	no	no	57.5	18.5	6	Sweden	no	0	0	no
Gotland-OG	no	yes	no	no	no	57.5	18.5	6	Sweden	no	0	0	no
Gotland-OJ	yes	yes	yes	no	no	57.041057	18.298337	6	Sweden	no	0	0	yes

Gotland-OL	no	yes	yes	no	no	57.003367	18.317148	6	Sweden	no	0	0	yes
Gotland-RM	no	yes	yes	no	no	57.080103	18.330074	6	Sweden	no	23.8732415	1.39573239	yes
Gotland-RN	no	yes	yes	no	no	57.010469	18.31792	6	Sweden	no	0	0	yes
Gotland-RO	yes	yes	yes	no	no	57.033973	18.294481	6	Sweden	no	31.8309886	1.51628396	yes
Gotland-RUE	yes	yes	yes	no	no	57.015129	18.308991	6	Sweden	no	7.95774715	0.9521988	yes
Gotland-RUW	yes	yes	yes	no	no	57.019404	18.296045	6	Sweden	no	0	0	yes
Gotland-SA	no	yes	no	no	no	57.5	18.5	6	Sweden	no	0	0	no
Gotland-SB	no	yes	yes	no	no	57.028548	18.286096	6	Sweden	no	71.6197244	1.8610546	yes
Gotland-SI	no	yes	no	no	no	57.1836	18.445354	6	Sweden	no	15.9154943	1.22828469	yes
Gotland-SJ	no	yes	no	no	no	57.5	18.5	6	Sweden	no	0	0	no
Gotland-SL	no	yes	yes	no	no	57.105283	18.372455	6	Sweden	no	0	0	yes
Gotland-SP	no	yes	no	no	no	57.5	18.5	6	Sweden	no	0	0	no
Gotland-ST	no	yes	no	no	no	57.5	18.5	6	Sweden	no	0	0	no
Gotland-SU	no	yes	yes	no	no	57.124186	18.324364	6	Sweden	no	0	0	yes
Gotland-SV	no	yes	no	no	no	57.169183	18.267104	6	Sweden	no	0	0	yes
Gotland-TB	no	yes	yes	no	no	57.075534	18.337081	6	Sweden	no	0	0	yes
Gotland-TU	yes	yes	yes	no	no	57.087361	18.336725	6	Sweden	no	0	0	yes
Gotland-UH	no	yes	no	no	no	57.5	18.5	6	Sweden	no	0	0	no
Gotland-VA	no	yes	no	no	no	57.5	18.5	6	Sweden	no	0	0	no
Gotland-VL	no	yes	yes	no	no	57.020245	18.220089	6	Sweden	no	0	0	yes
Grassa	yes	no	no	no	no	42.5879015	8.9726958	150	Corsica	no	0	0	yes
Grobla	yes	yes	yes	no	no	50.112507	20.420823	190	Poland	no	0	0	yes
Grygov-Olomouc	yes	yes	yes	no	no	49.51591667	17.3002778	215	Czech Republic	no	0	0	yes
Harjavalta Rural	yes	no	yes	yes	yes	61.250113	22.003074	55	Finland	no	47.7464829	1.68794329	yes
Harjavalta Urban	yes	no	yes	yes	yes	61.327301	22.111246	55	Finland	yes	230.774667	2.36506597	yes
Heath	yes	no	no	no	yes	51.513889	-3.188333	65	Wales	yes	254.647909	2.40764224	yes
Herdade da Apostiça	no	no	yes	no	no	38.5370	-9.0990	15	Portugal	no	0	0	yes
Herdade da Ribeira de Baixo	yes	no	yes	no	no	38.10991	-8.58863	210	Portugal	no	15.9154943	1.22828469	yes
Hoge VeluweA	no	no	yes	no	no	52.1	5.78	100	Netherlands	no	71.6197244	1.8610546	no

Jordà	yes	no	yes	no	no	42.149739	2.515906	560	Spain	no	0	0	yes
Kauhava	no	no	yes	no	no	63.083321	23.233339	75	Finland	no	0	0	yes
Kfar Hahoresht	no	no	yes	no	no	32.700556	35.265525	389	Israel	no	55.7042301	1.75361546	yes
Konnevesi	no	no	yes	yes	no	62.6055988	26.3446676	100	Finland	no	15.9154943	1.22828469	yes
Ladoga (Mayachino)	no	no	yes	yes	no	60.779404	32.823372	10	Russia	no	0	0	yes
Lake wood. Sussex	yes	no	no	no	no	50.976419	0.0822	120	England	no	23.8732415	1.39573239	yes
Lancaster	yes	no	no	no	yes	54.010635	-2.778307	50	England	no	71.6197244	1.8610546	yes
Lauwersmeer	no	no	yes	no	no	53.4	6.2	3	Netherlands	no	0	0	no
Le Bruguier	no	no	yes	no	no	44	3	250	France	no	0	0	no
Liesbos	yes	no	yes	no	no	54.58	4.67	5	Netherlands	no	183.028185	2.26488434	no
Lincoln	yes	no	yes	no	no	53.2	-0.59	30	England	no	429.718346	2.63419337	no
Liouc	yes	no	yes	no	no	43.890161	3.999778	100	France	no	15.9154943	1.22828469	yes
Lodz. Lagiewniki Forest	yes	no	yes	no	no	51.8406275	19.4896166	230	Poland	no	0	0	yes
MacchiaGrande- Orbetello-Burano	no	no	yes	no	no	41.829706	12.211638	0	Italy	no	0	0	yes
Mal	yes	no	no	no	no	42.5	8.9	500	Corsica	no	0	0	no
Mamora	yes	no	no	no	no	33.8	-6.1	50	Marocco	no	95.4929659	1.98449566	no
Manferrara	yes	no	yes	no	no	40.53755	16.506565	454	Italy	no	15.9154943	1.22828469	yes
Mata Nacional de Leiria	no	no	yes	no	no	39.8530	-8.9440	25	Portugal	no	0	0	yes
Megido	no	no	yes	no	yes	32.521311	35.33618	218	Israel	no	0	0	yes
Miraflores de la Sierra	yes	no	no	no	no	40.811359	-3.786641	1200	Spain	no	0	0	yes
Mistretta	yes	no	yes	no	no	37.953001	14.414274	1070	Sicily	no	0	0	yes
Mlociny	yes	no	yes	no	yes	52.315054	20.926634	80	Poland	yes	0	0	yes
Mollégès	no	no	yes	no	no	43.805833	4.949444	55	France	no	1838.23959	3.26463831	yes
Monks Wood. Cambridgeshire	yes	no	yes	no	no	52.409722	-0.236111	26	England	no	0	0	yes
Montpellier-CEFE	no	no	yes	no	yes	43.637983	3.862286	60	France	yes	501.338071	2.70099609	yes
Montpellier-city	yes	no	yes	no	yes	43.640564	3.876383	60	France	yes	151.197196	2.18240665	yes

Montpellier-Jardin des Plantes	no	no	yes	no	yes	43.614436	3.871694	60	France	yes	851.478946	2.93068366	yes
Montpellier-University	no	no	yes	no	yes	43.632356	3.866394	60	France	yes	230.774667	2.36506597	yes
Montseny	yes	no	yes	no	no	42.304111	2.432228	1150	Spain	no	0	0	yes
Moshav Ram-On-Garden	no	no	yes	no	yes	32.526764	35.2599	85	Israel	yes	501.338071	2.70099609	yes
Moulis	yes	no	yes	no	no	42.96742	1.092041	500	France	no	0	0	yes
Murato	yes	no	yes	no	no	42.551883	8.91815	280	Corsica	no	151.197196	2.18240665	yes
Muro	yes	no	yes	no	yes	42.5510816	8.92442026	280	Corsica	no	55.7042301	1.75361546	yes
Near Uppsala	no	no	no	yes	no	59.78	17.59	20	Sweden	no	0	0	no
Nagshead Plantation	yes	no	yes	yes	no	51.777752	-2.573603	150	England	no	0	0	yes
Oosterhout	no	no	no	yes	no	51.92	5.83	10	Netherlands	no	875.352187	2.94267867	no
Nagshead. Gloucestershire	no	no	no	yes	yes	51.777752	-2.573603	150	England	no	0	0	yes
Near Kilingi-NõmmeConiferous	no	no	yes	yes	no	58.139042	24.922201	70	Estonia	no	15.9154943	1.22828469	yes
Near Kilingi-NõmmeDeciduous	no	no	yes	yes	no	58.159413	25.00586	70	Estonia	no	0	0	yes
Olmi	yes	no	no	no	yes	42.533364	9.030659	1000	Corsica	no	0	0	yes
Oulu	yes	no	yes	no	no	65.108889	25.542787	50	Finland	no	0	0	yes
Pacciani	yes	no	no	no	no	42.516667	8.861111	180	Corsica	no	23.8732415	1.39573239	yes
PEERDSBOS	yes	no	yes	no	no	51.2725	4.4884	10	Belgium	no	0	0	yes
Pietra	yes	no	yes	no	no	42.522222	8.883333	180	Corsica	no	31.8309886	1.51628396	yes
Pioggiola	yes	no	no	no	yes	42.542086	8.99308	500	Corsica	no	0	0	yes
Pirio	yes	no	yes	no	yes	42.3764627	8.7492539	200	Corsica	no	55.7042301	1.75361546	yes
Pitarque	no	no	yes	no	no	40.653067	-0.618194	1000	Spain	no	7.95774715	0.9521988	yes
Ponte	yes	no	yes	no	no	42.523611	8.873611	180	Corsica	no	7.95774715	0.9521988	yes
Ras El Ma. Ifrane	yes	no	no	no	no	33.5	-5.1	1650	Middle Atlas	no	0	0	no
Prepirineu	yes	no	yes	no	no	42.116767	2.339545	1120	Spain	no	0	0	yes
Prezunna	yes	no	no	no	no	42.431955	8.757384	300	Corsica	no	23.8732415	1.39573239	yes
Puéchabon	yes	no	yes	no	no	43.740756	3.597133	160	France	no	0	0	yes

Rowardennan	yes	no	yes	yes	no	56.13	-4.61	8	Scotland	no	7.95774715	0.9521988	no
Quissac	yes	no	yes	no	no	43.926933	3.986767	100	France	no	119.366207	2.08050458	yes
Riudabella	no	no	yes	no	no	41.376366	1.059687	500	Spain	no	0	0	yes
Rome	yes	no	no	no	yes	41.913759	12.486238	50	Italy	yes	63.6619772	1.81064898	yes
Rouvière	yes	no	yes	no	no	43.665528	3.669706	260	France	no	0	0	yes
Ruissalo	yes	no	yes	yes	no	60.434707	22.178758	10	Finland	no	0	0	yes
Ruskeasuo. Helsinki	yes	no	yes	no	yes	60.210267	24.912396	50	Finland	yes	0	0	yes
Siuntio. Plot A	no	no	no	yes	no	60.25	24.3	75	Finland	no	0	0	no
Siuntio. Plot B	no	no	no	yes	no	60.25	24.3	75	Finland	no	0	0	no
Sagunto	no	no	yes	no	no	39.704315	-0.232665	30	Spain	no	23.8732415	1.39573239	yes
Sakiai	yes	no	yes	yes	yes	55.053387	23.070427	55	Lituania	no	0	0	yes
Santo Stefano di Quisquina	yes	no	yes	no	no	37.6111	13.5387	960	Sicily	no	0	0	yes
Sekocin	no	no	yes	yes	no	52.097189	20.877627	120	Poland	no	0	0	yes
Sobieszewo Island	no	no	yes	no	no	54.348289	18.845543	13	Poland	no	0	0	yes
South Skåne. Hagestad	yes	no	yes	no	no	55.385312	14.151648	10	Sweden	no	0	0	yes
South Skåne. Kungsmarken	no	no	yes	no	no	55.724291	13.27748	10	Sweden	no	0	0	yes
South Skåne. Revinge	yes	no	no	no	no	55.692315	13.465092	10	Sweden	no	7.95774715	0.9521988	yes
Stenbrohult	yes	no	yes	yes	no	56.612798	14.190506	140	Sweden	no	7.95774715	0.9521988	yes
Sud Toulouse	yes	no	yes	no	no	43.370418	1.559872	220	France	no	7.95774715	0.9521988	yes
Szwalewo Forest	no	no	no	yes	no	53.7190	19.5200	120	Poland	no	0	0	yes
TaveraCB	yes	no	yes	no	yes	42.069925	8.989228	465	Corsica	no	23.8732415	1.39573239	yes
TaveraCV	yes	no	yes	no	yes	42.0728	9.008436	465	Corsica	no	15.9154943	1.22828469	yes
Trondheim. four study plots	yes	no	no	no	no	63.346842	10.231611	60	Norway	no	0	0	yes
Velky Kosir Hill	no	yes	yes	no	no	49.54293333	17.0558194	350	Czech Republic	no	0	0	yes
Ventoux	yes	no	yes	no	yes	44.133333	5.183333	925	France	no	0	0	yes
Vic	yes	no	yes	no	no	43.866667	4.233333	100	France	no	0	0	yes

Vistula Spit	no	no	no	yes	no	54.3600	19.3470	10	Poland	no	0	0	yes
Vlieland	no	no	yes	no	no	53.25	4.95	5	Vlieland	no	0	0	no
Vlieland-51	yes	no	yes	no	yes	53.270975	4.978762	5	Vlieland	no	0	0	yes
Vlieland-52	yes	no	yes	no	no	53.274957	4.997294	5	Vlieland	no	47.7464829	1.68794329	yes
Vlieland-53	yes	no	yes	no	yes	53.279315	5.012188	5	Vlieland	no	0	0	yes
Vlieland-54	yes	no	yes	no	yes	53.284576	5.026605	5	Vlieland	no	23.8732415	1.39573239	yes
Vlieland-55	yes	no	yes	no	no	53.296788	5.05092	15	Vlieland	no	0	0	yes
Vlieland-56	yes	no	yes	no	no	53.301916	5.07235	5	Vlieland	no	55.7042301	1.75361546	yes
Vlieland-57	yes	no	yes	no	yes	53.296176	5.071437	5	Vlieland	yes	1305.07053	3.11596663	yes
Vomb	no	no	no	yes	no	55.651516	13.562402	10	Sweden	no	0	0	yes
Wilrijk	yes	no	yes	no	yes	51.15896	4.408329	10	Belgium	yes	159.154943	2.20454035	yes

4

5

6 **Table S2.** Correlation matrix of explanatory variables. A) Pearson test was used for numerical variables (intensity of urbanisation, years, nest
7 floor area, altitude log transformed, latitude and longitude). B) A linear mixed model (function lme, package nlme & function Anova, package
8 car, type III) with study plot as a random effect was used to test the relationship between dominant habitat (C = Coniferous, D = Deciduous, E =
9 Evergreen and M = Mixed), nest box material (C = Concrete and W = Wood) or species (BT = blue tit, GT = great tit, CF = collared flycatcher
10 and PF = pied flycatcher) and numerical variables (intensity of urbanisation, years, nest floor area, altitude log transformed, latitude and
11 longitude). Significant *P*-values are shown in bold.

12

A	Intensity of urbanisation			Years			Nest floor area			Altitude (log)		
	r_{Pearson}	t_{df}	<i>P</i>	r_{Pearson}	t_{df}	<i>P</i>	r_{Pearson}	t_{df}	<i>p</i>	r_{Pearson}	t_{df}	<i>P</i>
Years	-0.08	-4.90 ₃₄₁₅	<0.01									
Nest floor area	-0.02	-0.89 ₃₄₁₅	0.37	0.23	13.88 ₃₄₁₅	<0.01						
Altitude (log)	-0.08	-4.94 ₃₄₁₅	<0.01	0.18	10.75 ₃₄₁₅	<0.01	0.44	28.78 ₃₄₁₅	< 0.01			
Latitude	0.04	2.43 ₃₃₁₅	0.02	-0.08	-4.86 ₃₄₁₅	<0.01	-0.19	-11.45 ₃₄₁₅	<0.01	-0.66	-51.73 ₃₄₁₅	<0.01
Longitude	-0.14	-8.29 ₃₄₁₅	<0.01	0.24	14.45 ₃₄₁₅	<0.01	-0.05	-2.66 ₃₄₁₅	0.01	-0.13	-7.87 ₃₄₁₅	<0.01

13

B	Dominant habitat			Material			Species		
	Difference	F_{df}	P	Difference	F_{df}	p	Difference	F_{df}	P
Intensity of urbanisation	C=D=E=M	3.05 _{3,3215}	0.38	C=W	0.05 _{1,3217}	0.83	CF< PF≤BT=GT	51.41 _{3,3415}	<0.01
Years	M≤C=E≤D	9.55 _{3,3215}	0.03	C=W	0.27 _{1,3217}	0.60	PF<GT<BT<CF	49.65 _{3,3215}	<0.01
Nest floor area	C=D=E=M	1.48 _{3,3215}	0.69	C<W	20.92 _{1,3217}	<0.01	BT=GT=CF=PF	3.50 _{3,3215}	0.32
Altitude (log)	M=D≤C≤E	11.63 _{3,3215}	<0.01	C=W	0.60 _{1,3217}	0.44	CF<GT<BT=PF	138.56 _{3,3215}	<0.01
Latitude	C≤D=M≤E	234.91 _{3,3215}	<0.01	C=W	0.01 _{1,3217}	0.99	BT≤GT≤CF≤PF	55.08 _{3,3214}	<0.01
Longitude	C=D=E=M	1.63 _{3,3215}	0.65	C=W	0.01 _{1,3217}	0.99	BT≤GT≤CF≤PF	55.10 _{3,3215}	<0.01

14

15

16 **Table S3.** Mixed linear model investigating laying date in four passerines species (CF:
 17 Collared Flycatcher, GT: Great tit and PF: Pied Flycatcher) as a function of habitat
 18 characteristics (intensity of urbanisation, latitude, latitude squared, longitude, longitude
 19 squared, altitude (log-transformed), and dominant habitat), nest box characteristics (nest floor
 20 surface and nest box material) and year as fixed effects, with study plot as a random factor.
 21 Significant *P*-values in the final models are shown in bold. Likelihood Ratio Tests (LRT)
 22 were calculated for the random effect of study plot.

23

	F_{df}	<i>P</i>	Estimate ± SE
Intensity of urbanisation	1.96 _{1,197}	0.17	-8.99 ± 6.42
Species	13.29 _{3, 3191}	<0.01	-8.53 ± 16.69 (CF) -9.65 ± 2.70 (GT) 9.75 ± 26.60 (PF)
Latitude	5.11 _{1,3191}	0.02	-4.65 ± 2.06
Latitude ^ 2	5.84 _{1, 3191}	0.02	0.05 ± 0.02
Longitude	2.29 _{1,3191}	0.13	-0.81 ± 0.54
Longitude^2	28.50 _{1, 3191}	<0.01	-0.05 ± 0.01
Year	170.19 _{1, 3191}	< 0.01	-0.12 ± 0.01
Altitude (log)	1.84 _{1, 3191}	0.17	1.73 ± 1.27
Nest floor area	0.02 _{1, 3191}	0.89	-0.01 ± 0.01
Nest box material	0.10 _{1,33191}	0.76	-0.67 ± 2.19 (Wood)
Dominant habitat	50.91 _{3, 3191}	< 0.01	-8.57 ± 1.50 (Deciduous) -5.34 ± 1.74 (Evergreen) -3.98 ± 0.73 (Mixed)
Intensity of urbanisation × Latitude	1.44 _{1, 3191}	0.23	0.15 ± 0.13

Intensity of urbanisation × Species	34.26 _{3, 3191}	<0.01	-76.01 ± 1470.27(CF) 14.83 ± 2.59 (GT) 32.81 ± 24.23 (PF)
Latitude × Species	16.81 _{3, 3191}	<0.01	0.54 ± 0.30 (CF) 0.20 ± 0.05 (GT) 0.15 ± 0.47 (PF)
Latitude × Longitude	12.67 _{1, 3191}	< 0.01	0.04 ± 0.01
Intensity of urbanisation × Latitude × Species	35.83 _{3, 3191}	<0.01	1.32 ± 25.78 (CF) -0.29 ± 0.05 (GT) -0.54 ± 0.40 (PF)
Study spot	LRT: 1001.43	< 0.01	