

**Supplementary Information**

**Winners and losers in an urban bat community: a case study from southeastern Europe**

O. Tzortzakaki, E. Papadatou, V. Kati, S. Giokas

**Supplemental material S1: Meteorological conditions during the study period**

**Table S1:** Monthly mean temperature (T), relative humidity (RH) and total monthly rainfall recorded for each sampling year. Statistically significant differences from ANOVA pairwise comparisons between same month of different years are indicated with asterisks (\*\*\*:  $p < 0.001$ , \*\*:  $p < 0.01$ , \*:  $p < 0.05$ )

Month	2015			2016		
	T (°C)	RH (%)	Rain (mm)	T (°C)	RH (%)	Rain (mm)
Jan	9.47*	65.41	128.6	11.27*	70.85	127.4
Feb	8.77***	63.67*	123.4	13.96***	71.91*	72
Mar	11.32***	68.36	139	13.06***	71.22	133
Apr	16.71*	71.57*	17.4	17.94*	61.59*	19.6
May	20.25*	63.47	10.4	18.97*	66.19	38.4
Jun	23.1**	61.26	18	25.17**	59.14	4.2
Jul	27.96	53.49	24.6	27.53	54.65	0
Aug	27.83	53.55	4.6	27.55	51.08	0.2
Sep	24.85**	63.71	68.6	23.21**	62.78	41.2
Oct	19.9	66.72	155	18.89	67.79	106
Nov	16.21*	68.88	113.8	14.91*	73.28	204.2
Dec	11.81***	64.94	0.2	9.77***	59.28	26.2

**Supplemental material S2: Occurrence patterns of bat species in sites near water bodies**

**Table S2:** Total number of sampling sites with species occurrences, number of sites near water bodies (<100 m) with species records, and proportion of bat passes of each species recorded in sites near water bodies for each survey year. Six out of 45 sites were located <100 m from the nearest natural or artificial water body.

Species/Group	2015			2016		
	Sites with species occurrence	Sites near water with species occurrence	Bat passes (%) in sites near water	Sites with species occurrence	Sites near water with species occurrence	Bat passes (%) in sites near water
<i>Eptesicus serotinus</i> / <i>Nyctalus leisleri</i>	1	1	100	0	0	0
<i>Nyctalus noctula</i>	0	0	0	1	0	0
<i>Hypsugo savii</i>	1	0	0	2	1	60
<i>Pipistrellus kuhlii</i>	36	5	24.4	37	6	2.2
<i>P. kuhlii</i> / <i>H. savii</i>	14	3	15.8	17	2	17.2
<i>Pipistrellus pipistrellus</i>	4	1	20	2	1	93.8
<i>P. pipistrellus</i> / <i>P. kuhlii</i>	6	2	28.6	4	1	81
<i>P. pygmaeus</i>	6	3	60	6	3	87.1
<i>M. schreibersii</i>	0	0	0	1	1	100
<i>M. schreibersii</i> / <i>P. pygmaeus</i>	0	0	0	1	1	100
<i>Myotis</i> spp.	3	2	88.9	1	0	0
<i>Tadarida teniotis</i>	4	0	0	6	1	4.5