

Female song in the Cyprus Wheatear *Oenanthe cypriaca*

Robert Patchett^{1*}, Alexander N. G. Kirschel², Joanna Robins King¹, Patrick Styles¹ and Will Cresswell¹

¹Centre for Biological Diversity, University of St Andrews, St Andrews, Fife KY16 9TH, UK.

²Department of Biological Sciences, University of Cyprus, PO Box 20537, Nicosia 1678, Cyprus.

*robertbpatchett@gmail.com

Table S1 Occurrences of singing female Cyprus Wheatears at Troodos, Cyprus during 2019 and 2020. Note that blanks in the context column are where the context was unknown.

Year	ring	Age	n	Partner returned	Previous territory	Month	Context
2019	164211	4	2	no	yes	April	Solo
	164203	5+	1	yes	yes	April	
	A8177	1	1			April	
	42035	4+	1	yes	yes	April	
	42095	2	1		no	April	Solo; Prospecting
	A8246	1	1			April	
	A8128	2+	2	yes	yes	April	
	A8176	2+	1	no	yes	April	female-female conflict
	50102	2	1	no	yes	April	female-female conflict
	42042	3	1	no	yes	May	
	A8192	1	1			May	Singing back to male
	A8151	2+	1	yes	yes	June	
	A8141	1	1			June	
2020	A8236	1	1			April	One male nearby
	A9848	1	1			April	
	A8292	3+	1		yes	April	
	A9915	1	1			April	Two males nearby
	A8125	2	1	yes	no	April	
	A8192	2	3	yes	yes	April	Two males nearby (for 1 of the 3 observations)
	50102	3	1		yes	April	
	A9807	2	2	no	yes	April	Solo
	A8294	1	1			April	
	A8115	3	1	no	yes	May	

Table SII Summary of Cyprus Wheatear song types observed at Troodos from n = 2 females and n = 4 males, showing the median, minimum and maximum peak frequency of song bouts, song rate and bout duration

Song type	Sex	n bouts	Peak frequency (Hz)		Rate (notes/s)		Duration (s)	
			Median	Min-max	Median	Min-max	Median	Min-max
1	F	27	6190	4970-6750	3	2.1-4.8	1.9	0.6-5.2
1	M	26	5720	4780-6090	3.7	2.7-9.1	3.5	1.3-36.5
2	F	4	4920	4130-5900	3.1	2.82-3.31	1.5	1.2-1.7
2	M	6	5670	5630-5720	3.5	3.1-3.7	3.5	1.5-4.8
3	F	2	6140	6000-6280	5.4	5.2-5.6	1.3	1.3-1.3
3	M	0						
4	F	0						
4	M	12	5390	4970-6190	4.5	2.6-6.5	1.8	0.5-24.6
5	F	0						
5	M	1	4970		3.4		3	

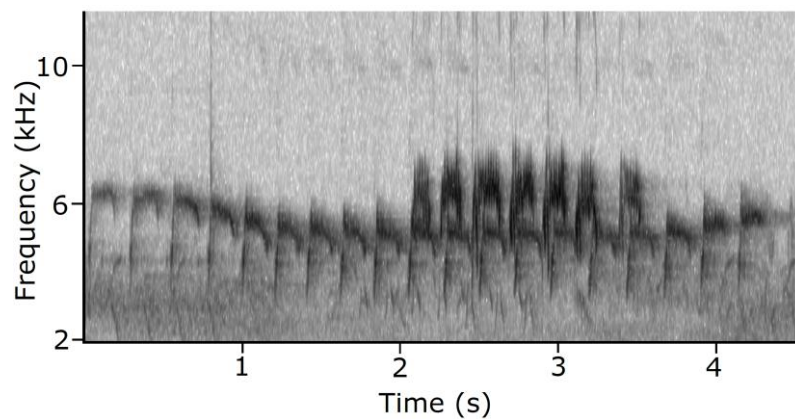


Figure S1 Female and male Cyprus Wheatears were occasionally observed singing at the same time. Here the male song bout begins at time = 0 s, whilst the female song bout begins at ~ 2 s. Both song bouts are type 1 song