

Immune function differs among tropical environments but is not downregulated during reproduction in three year-round breeding equatorial lark populations

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ESM Table 2. Sample sizes of non-breeding and chick-feeding females and males (sexes-combined dataset), and sample sizes of non-breeding, incubating and chick-feeding females (females-only dataset) of red-capped larks *Calandrella cinerea* during our study of the influence of reproduction and the environment on the variation in immune function in South Kinangop (cool and wet), North Kinangop (cool and dry) and Kedong (warm and dry) in equatorial Kenya from January 2011 to March 2014. While testing for effects of reproduction and the environment on immune function, we separately analysed using similar approaches, two data sets, sexes combined and females only, because only females in this species incubate eggs

Parameter	breeding status	sex	South	North	
			Kinangop (cool and wet)	Kinangop (cool and dry)	Kedong (Warm and dry)
Immune function of males and females	non-breeding	f	4	5	22
		m	5	9	21
	chick-feeding	f	12	13	21
		m	11	10	15
Environmental variables of males and females	non-breeding	f	4	5	24
		m	5	10	22
	chick-feeding	f	11	13	20
		m	12	9	16
Immune function	non-breeding	f	4	5	22

of female	incubating	f	10	10	19
	chick-feeding	f	12	13	21
Environmental	non-breeding	f	4	5	24
variables	incubating	f	12	13	21
of female	chick-feeding	f	12	14	20