**Supplementary Material**

Population productivity and late breeding habitat selection by the threatened Little Bustard: the importance of grassland management

NUNO FARIA, MANUEL B. MORALES

**Contents**

Table S1. Weather statistics for the 2012-2016 period in Évora region.

Table S2. Results of spatial autocorrelation Moran’I tests on the residuals of GLMMs on male, female and juvenile abundances (*PFI*).

Table S1. Weather statistics for the 2012-2016 period in Évora region. Weather statistics were computed using IPMA (2016) meteorological data. Seasons were defined as follows: Winter (December-February), Spring (March-June).

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Statistics** | **2012** | **2013** | **2014** | **2015** | **2016** |
| Winter average minimum temperature (ºC) | 2.5 | 4.7 | 5.2 | 3.6 | 6.4 |
| Spring average minimum temperature (ºC) | 9.7 | 9.2 | 9.9 | 10.4 | 9.3 |
| Winter average maximum temperature (ºC) | 14.9 | 14.1 | 14.5 | 14.2 | 15.7 |
| Spring average maximum temperature (ºC) | 23.5 | 22.1 | 23.2 | 25.7 | 22.2 |
| Winter rainfall (mm) | 25.3 | 168.3 | 291.8 | 89.2 | 175.3 |
| Spring rainfall (mm) | 80.8 | 250.2 | 193.1 | 80.3 | 183.8 |

Table S2. Results of spatial autocorrelation Moran’I tests on the residuals of GLMMs on male, female and juvenile abundances (*PFI*).

|  |  |  |  |
| --- | --- | --- | --- |
| **Model** | **Moran I statistic** | **Expectation** | **P-value** |
| Males |  |  |  |
| Full | -0.112 | -0.007 | 0.060 |
| Best | -0.108 | -0.007 | 0.091 |
| Females |  |  |  |
| Full | -0.002 | -0.007 | 0.929 |
| Best | -0.007 | -0.007 | 0.978 |
| Juveniles |  |  |  |
| Full | -0.038 | -0.007 | 0.456 |
| Best | -0.033 | -0.007 | 0.547 |