**Supplementary Material**

Habitat selection of an endangered European farmland bird, the Ortolan Bunting *Emberiza hortulana*, in two contrasting landscapes: implications for management

MARTIN ŠÁLEK, VÍT ZEMAN and RADOVAN VÁCLAV

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Appendix S3. Typical habitat of Ortolan Bunting *Emberiza hortulana* in post-mining landscape.

Appendix S1.

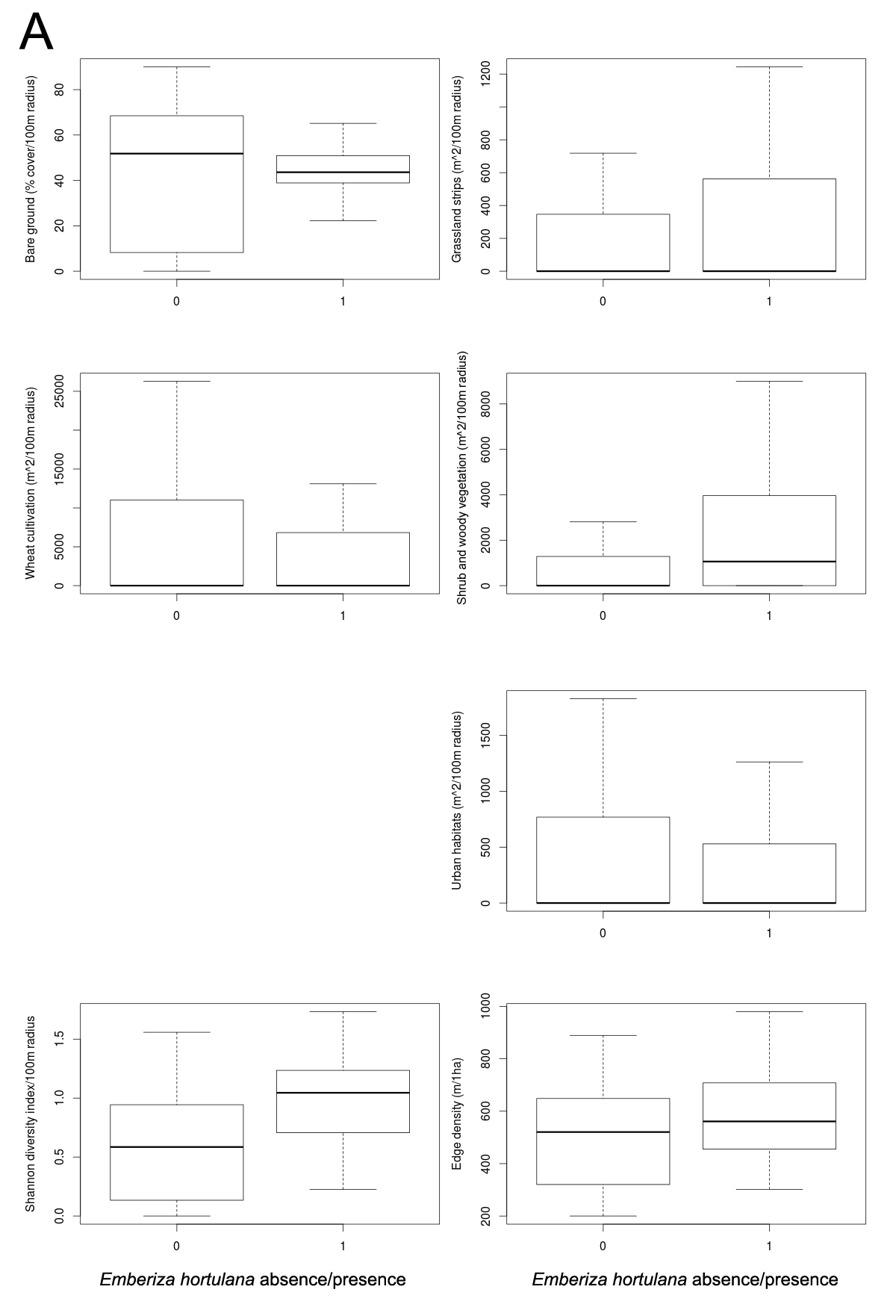
**Table S1.** Classification of terrain ruggedness at the territory scale (100m radius) based on mean slope and its variability.

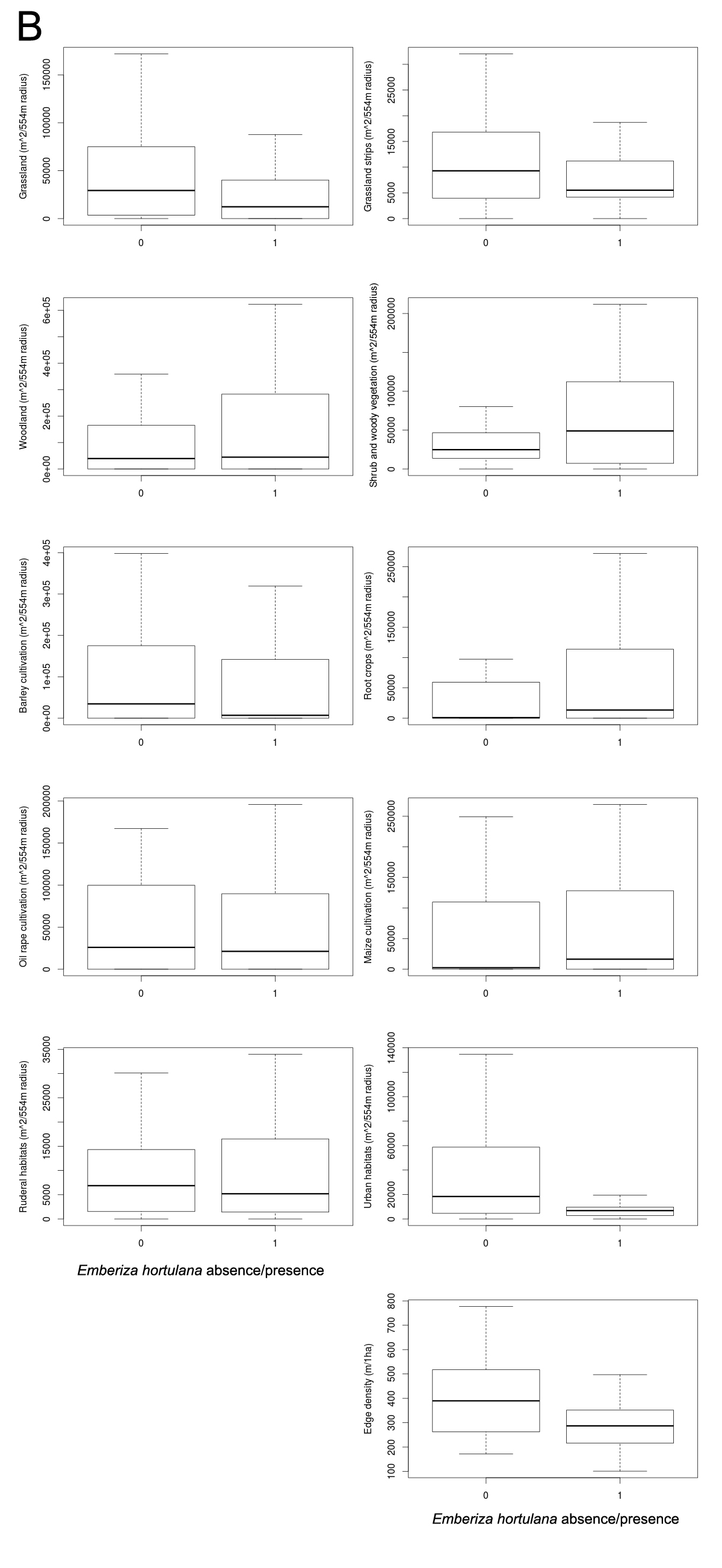
|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
|  | **Slope** |  |  |
| **Slope category** | Mean | Range | SD |
| **1** | 8.60 | 29.76 | 6.78 |
| **2** | 8.06 | 28.84 | 6.29 |
| **3** | 5.44 | 24.69 | 4.34 |
| **4** | 3.42 | 14.41 | 1.92 |
| **5** | 0.93 | 2.47 | 0.39 |
| **6** | 7.06 | 62.07 | 11.28 |

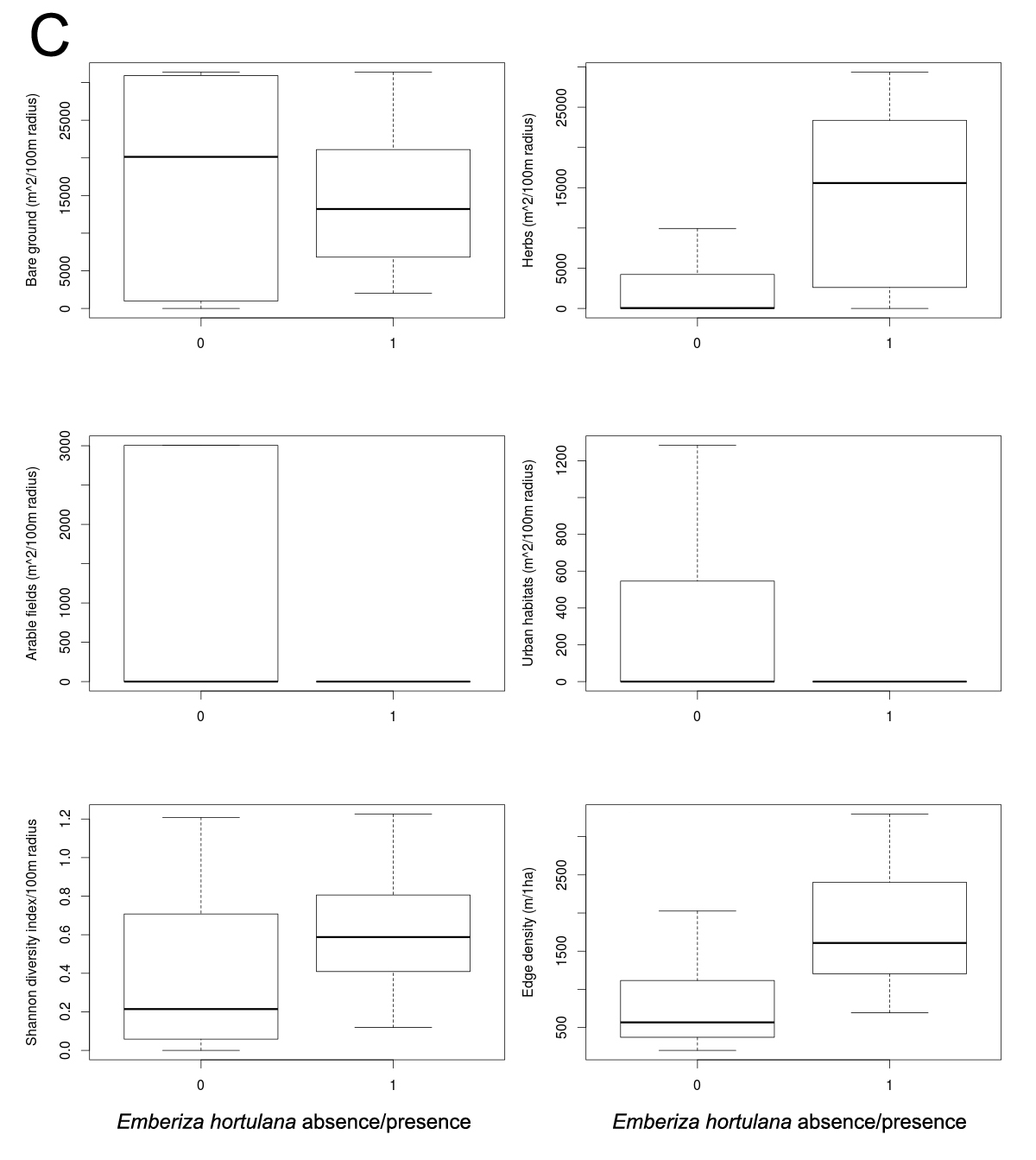
**Figure S1.** Frequency histogram of slope ranges (in degrees) within six slope categories describing the level of terrain ruggedness in terms of mean slope and its variability.

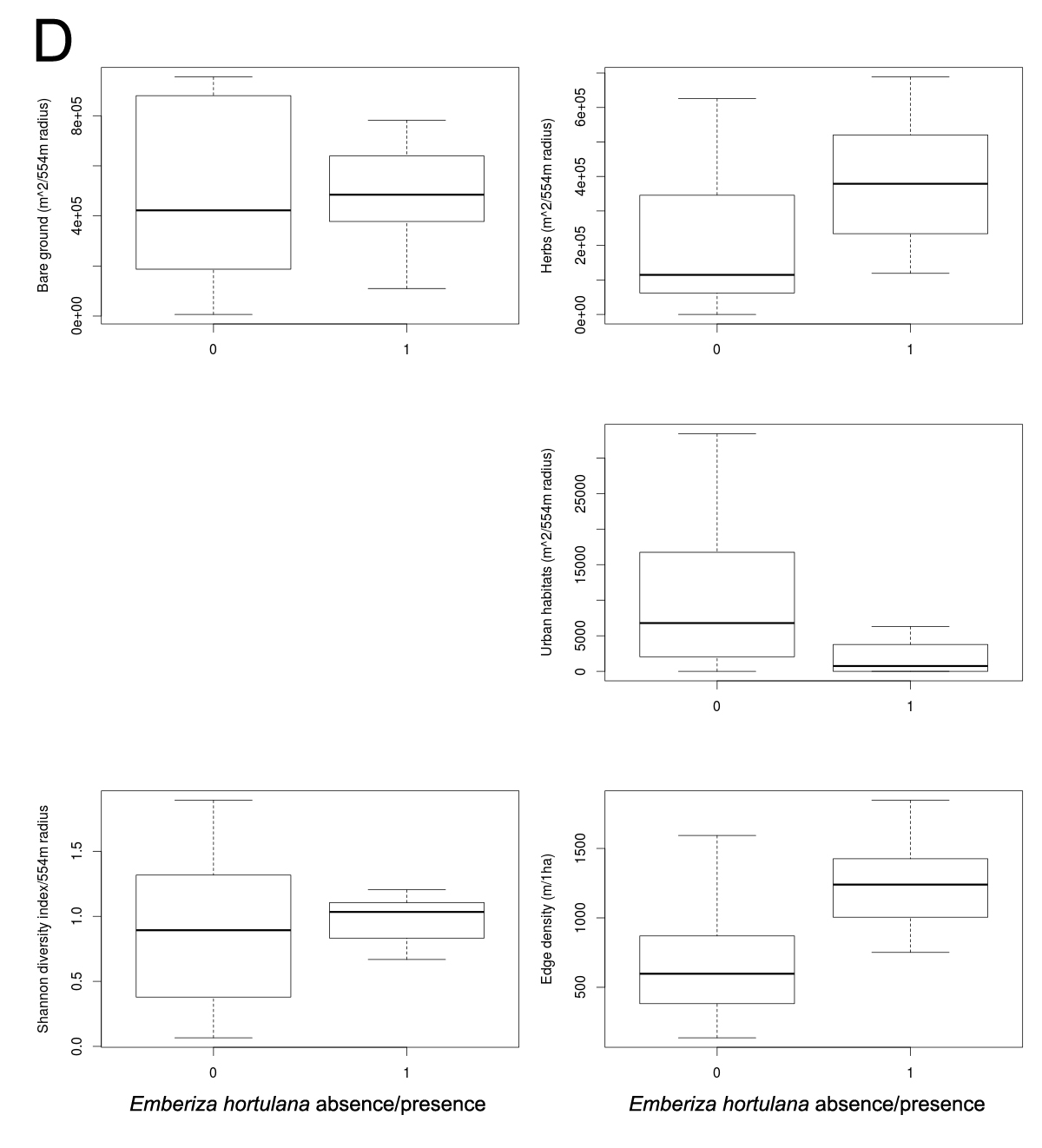
Appendix S2**.**

Figure S2.Median habitat attributes of occupied and unoccupied habitat patches by Ortolan Bunting *Emberiza hortulana* in (A, B) the farmland and (C, D) the post-mining landscapes at the (A, C) territory and the (B, D) foraging spatial scales. The value *0* and *1* on X-axis mean unoccupied and occupied habitat patches, respectively. The horizontal thick line is the median, the box shows the 25–75% quartile range, and the error bars are 1.5 times the inter-quartile range. Only graphs for habitat attributes with sufficient variability, i.e. for those enabling calculations of the quartile boxes, are shown.









Appendix S3.

Typical habitat of Ortolan Bunting *Emberiza hortulana* in post-mining landscape created by the deposition of upper layers during surface mining. The characteristic feature of occupied habitat patches is a higher cover of herbs, greater terrain ruggedness, and a larger proportion of bare ground (Photo: Václav Beran).

