#### **Table 5** Nest repeatability (R2) of bacterial diversity and composition of the nest and in the quantity of aromatic plant added by the parents along the breeding season accessed by different models in the experimental and observational studies.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Adjusted | | Unadjusted | | |  |
| **Model** | **R2** | **95% CI** | **R2** | **95% CI** | | **p-value** |
| **Experimental** |  |  |  | |  |  |
| Nest diversity (model 1, n=169, j=19) | 0.80 | [0.68, 0.89] | 0.52 | [0.25, 0.73] | | <0.001 |
| Nest composition (model 2, n=169, j=19) | - | - | 0.57 | - | | 0.001 |
| **Observational** |  |  |  |  | |  |
| Nest diversity (model 3, n=92, j=46) | 0.23 | [0.00, 0.50] | 0.17 | [0.00, 0.35] | | 0.051 |
| Nest composition (model 6, n=92, j=46) | - | - | 0.33 | - | | 0.001 |
| Quantity of aromatic plants (model 5, n=746, j=212) | 0.33 | [0.23, 0.40] | 0.30 | [0.22, 0.36] | | <0.001 |

Number of observations (n) and number of nests (j) are given for each model. The adjusted R2 represents the proportion of the residual variation explained by the nest identities after accounting for the fixed effects, while the unadjusted R2 represents the proportion of the total variation explained by nest identities.