#### **Table S3.4** Relation between the quantity of aromatic plants in the nests (log-transformed) and the first two axis of the PCoA calculated on the nestling traits (body mass, tarsus length, developmental index, handling aggression) and accounting for the clutch identity as accessed by a linear mixed model for the PCoA 1 (model 8, n=1149) and a second one for the PCoA 2 (model 9, n=1149).

| **PCOA 1** (model 8) |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Effect** | **Estimate** | **SE** | **t** | **p-value** | **95% CI** |
| Fixed |  |  |  |  |  |
| Intercept (Ref. DMuro) | 0.04 | 0.01 | 3.65 | <0.001 | [ 0.02, 0.06] |
| Aromatic plant | 0.02 | 0.01 | 2.03 | 0.04 | [ 0.00, 0.04] |
| EMuro | -0.04 | 0.02 | -2.26 | 0.03 | [-0.08,-0.01] |
| Emuro:Aromatic plant | 0.01 | 0.02 | 0.64 | 0.52 | [-0.02, 0.05] |
| EPirio | -0.12 | 0.02 | -6.76 | <0.001 | [-0.16,-0.09] |
| Epirio:Aromatic plant | 0.00 | 0.02 | -0.19 | 0.85 | [-0.04, 0.03] |
| **Effect** | **R2adjusted** | **SE** |  | **p-value** | **95% CI** |
| Random |  |  |  |  |  |
| Nest | 0.39 | 0.04 |  | <0.001 | [ 0.31, 0.46] |
| Residual | 0.61 |  |  |  |  |
| **PCOA 2** (model 9) |  |  |  |  |  |
| **Effect** | **Estimate** | **SE** | **t** | **p-value** | **95% CI** |
| Fixed |  |  |  |  |  |
| Intercept (Ref. DMuro) | 0.02 | 0.01 | 1.57 | 0.118 | [ 0.00, 0.04] |
| Aromatic plant | 0.00 | 0.01 | 0.50 | 0.615 | [-0.01, 0.02] |
| EMuro | -0.01 | 0.02 | -0.38 | 0.701 | [-0.04, 0.03] |
| Emuro:Aromatic plant | -0.01 | 0.02 | -0.33 | 0.738 | [-0.04, 0.03] |
| EPirio | -0.06 | 0.02 | -3.18 | 0.002 | [-0.09,-0.02] |
| Epirio:Aromatic plant | 0.02 | 0.02 | 1.15 | 0.253 | [-0.01, 0.06] |
| **Effect** | **R2adjusted** | **SE** |  | **p-value** | **95% CI** |
| Random |  |  |  |  |  |
| Nest | 0.45 | 0.04 |  | <0.001 | [ 0.37, 0.50] |
| Residual | 0.55 |  |  |  |  |