**Table S3.1** Effect of aromatic treatments for each phenological stage at nest collection on the bacterial Shannon diversity estimated from a linear mixed model (n=169).

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Effect** | **Estimate** | **SE** | **t-value** | **p-value** | **95% CI** |
| Fixed |  |  |  |  |  |
| Intercept (Ref. Post-hatching - Control) | 4.65 | 0.27 | 17.31 | <0.001 | [ 4.14, 5.15] |
| *Achillea* | -0.52 | 0.17 | -3.08 | 0.003 | [-0.83, -0.22] |
| *Pulicaria* | -0.84 | 0.17 | -4.95 | <0.001 | [-1.15, -0.53] |
| *Mentha* | -0.55 | 0.17 | -3.25 | 0.002 | [-0.86, -0.25] |
| *Lavandula* | -0.52 | 0.17 | -3.09 | 0.003 | [-0.83, -0.22] |
| *Helichrysum* | -0.51 | 0.17 | -3.02 | 0.003 | [-0.82, -0.21] |
| *Lavandula - Mentha* | -0.60 | 0.17 | -3.53 | <0.001 | [-0.91, -0.29] |
| *Lavandula - Helichrysum* | -0.65 | 0.17 | -3.84 | <0.001 | [-0.96, -0.34] |
| *Mentha - Helichrysum* | -0.40 | 0.18 | -2.21 | 0.029 | [-0.72, -0.07] |
|  |  |  |  |  |  |
| Incubation: |  |  |  |  |  |
| Control | 0.57 | 0.38 | 1.50 | 0.148 | [-0.14, 1.28] |
| *Achillea* | 0.36 | 0.24 | 1.51 | 0.133 | [-0.07, 0.80] |
| *Pulicaria* | 0.85 | 0.24 | 3.53 | <0.001 | [ 0.41, 1.28] |
| *Mentha* | 0.45 | 0.24 | 1.88 | 0.063 | [ 0.02, 0.88] |
| *Lavandula* | 0.53 | 0.24 | 2.22 | 0.028 | [ 0.10, 0.97] |
| *Helichrysum* | 0.42 | 0.24 | 1.74 | 0.083 | [-0.01, 0.85] |
| *Lavandula - Mentha* | 0.53 | 0.24 | 2.19 | 0.031 | [ 0.09, 0.96] |
| *Lavandula - Helichrysum* | 0.65 | 0.24 | 2.71 | 0.008 | [ 0.22, 1.08] |
| *Mentha - Helichrysum* | 0.20 | 0.25 | 0.82 | 0.415 | [-0.24, 0.65] |
|  |  |  |  |  |  |
| Pre-incubation: |  |  |  |  |  |
| Control | 0.51 | 0.37 | 1.41 | 0.173 | [-0.17, 1.20] |
| *Achillea* | 0.59 | 0.23 | 2.55 | 0.012 | [ 0.17, 1.01] |
| *Pulicaria* | 0.83 | 0.23 | 3.59 | <0.001 | [ 0.41, 1.25] |
| *Mentha* | 0.49 | 0.23 | 2.10 | 0.037 | [ 0.07, 0.90] |
| *Lavandula* | 0.53 | 0.24 | 2.19 | 0.031 | [ 0.09, 0.97] |
| *Helichrysum* | 0.52 | 0.23 | 2.25 | 0.026 | [ 0.10, 0.94] |
| *Lavandula - Mentha* | 0.50 | 0.23 | 2.18 | 0.031 | [ 0.09, 0.92] |
| *Lavandula - Helichrysum* | 0.58 | 0.23 | 2.52 | 0.013 | [ 0.17, 1.00] |
| *Mentha - Helichrysum* | 0.39 | 0.24 | 1.65 | 0.101 | [-0.04, 0.82] |
| **Effect** | **R2adjusted** | **SE** |  | **p-value** | **95% CI** |
| Random |  |  |  |  |  |
| Nest | 0.80 | 0.07 |  | <0.001 | [ 0.68, 0.89] |
| Residual | 0.20 |  |  |  |  |