Supplementary material

Table S5: Generalized linear models (GLMM) also including depth of the sector as a further independent variable. Models were built by adding sector depth to the best AICc models in Table 2. We only show the model including depth having AICc values lower than the model not including depth (Table 2)..

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Factor | *B* | χ21 | *P* | Factor | *B* | | χ21 | | *P* | |
| a) *D. laetitiae* |  |  |  | e) *C. planospira* |  | |  | |  | |
|  |  |  |  |  |  | |  | |  | |
| Depth | -0.1 | 41.12 |  | Depth | -0.12 | | 25.22 | | **< 0.001** | |
| Month |  | 102.27 | **< 0.001** | Month |  | | 64.26 | | **< 0.001** | |
| Heterogeneity | 0.33 | 9.80 | **0.002** | Height | 0.14 | | 7.30 | | **0.006** | |
| Height | -0.37 | 12.33 | **< 0.001** | Width | -0.17 | | 9.66 | | **0.002** | |
| Humidity | 10.65 | 1.09 | 0.296 | Lux | -0.38 | | 13.21 | | **< 0.001** | |
| Lux | -25.73 | 38.02 | **< 0.001** |  |  | |  | |  | |
| Temperature | 0.57 | 38.09 | **< 0.001** | f) *Limax sp.* |  | |  | |  | |
| Hum × Month |  | 40.5 | **< 0.001** |  |  | |  | |  | |
| Lux × Month |  | 45.97 | **< 0.001** | Depth | -0.03 | | 2.89 | | 0.089 | |
|  |  |  |  | Month |  | | 91.59 | | **< 0.001** | |
| b) *M. menardi* |  |  |  | Heterogeneity | 0.15 | | 2.68 | | 0.102 | |
|  |  |  |  | Width | -0.12 | | 2.16 | | 0.141 | |
| Depth | -0.05 | 22.63 | **< 0.001** |  |  | |  | |  | |
| Month |  | 66.27 | **< 0.001** | g) *R. italica* |  | |  | |  | |
| Width | 0.12 | 3.93 | **0.047** |  |  | |  | |  | |
| Height | -0.18 | 6.08 | **0.014** | Depth |  | | 41.41 | | **< 0.001** | |
| Humidity | 4.64 | 8.63 | **0.003** | Month |  | | 38.82 | | **< 0.001** | |
| Lux | -2.44 | 36.06 | **< 0.001** | Heterogeneity | -3.77 | | 21.39 | | **< 0.001** | |
| Temperature | -0.07 | 1.04 | 0.307 | Width | 0.3 | | 6.71 | | **0.01** | |
| Tem × Month |  | 34.41 | **< 0.001** | Height | 0.32 | | 15.04 | | **< 0.001** | |
| Lux × Month |  | 34.74 | **< 0.001** | Lux | -26.7 | | 25.47 | | **< 0.001** | |
|  |  |  |  | Lux × Month |  | | 25.08 | | **0.009** | |
| c) *M. merianae* |  |  |  |  |  | |  | |  | |
|  |  |  |  |  |  | |  | |  | |
| Depth | -0.08 | 37.03 | **< 0.001** |  |  | |  | |  | |
| Month |  | 18.16 | 0.078 |  |  | |  | |  | |
| Height | -0.04 | 16.75 | **<0.001** |  |  | |  | |  | |
| Lux | -3.36 | 226.73 | **< 0.001** |  |  | |  | |  | |
| Temperature | 0.14 | 14.97 | **< 0.001** |  |  | |  | |  | |
| Lux × Month |  | 35.23 | **< 0.001** |  |  | |  | |  | |
|  |  |  |  |
| d) *Tegenaria sp.* |  |  |  |
|  |  |  |  |
| Depth | -0.13 | 45.39 | **< 0.001** |
| Month |  | 15.61 | 0.156 |
| Width | -0.11 | 22.32 | **< 0.001** |
| Lux | -1.27 | 41.91 | **< 0.001** |
| Temperature | 0.12 | 8.70 | **0.003** |
| Lux × Month |  | 31.31 | **<0.001** |  |  |  | |  | |