**Table S6.** Model averaging results for the abundance of *Sorex minutus* (best-approximating model in bold). Averages are over 10 selected models. Columns show the term in the model, the average coefficient for that term, the averaged standard error (s.e.), the importance of each term over all selected models (i.e. the sum of Akaike weights Σ*ωi*) and the p-value of terms in the best-fit model. All variables are scaled to have a mean of zero and unit variance. The R2 values of observed versus fitted values for the best approximating model and a null model with only control variables (NumTraps, Rain and Lunar) are 0.22 and 0.14 respectively.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Model Term | Coefficient | s.e. | Σ*ωi* | p |
| **NumTraps** | **-0.031** | **0.013** | **1.00** | **0.020** |
| **Rain(Wet)** | **-0.059** | **0.026** | **1.00** | **0.027** |
| **Lunar** | **-0.001** | **0.013** | **1.00** | **0.945** |
| **As** | **0.034** | **0.013** | **1.00** | **0.010** |
| **Cr** | **-0.026** | **0.010** | **0.72** | **0.055** |
| As\*Mg | 0.020 | 0.005 | 0.40 |  |
| Cr\*Mg | -0.016 | 0.004 | 0.35 |  |
| grass.500 | -0.011 | 0.001 | 0.08 |  |
| grass.2000 | -0.011 | 0.001 | 0.08 |  |
| arable.500 | 0.013 | 0.001 | 0.07 |  |