We retrieved organismal data from the National Ecological Observatory Network (NEON, https://www.neonscience.org/) in November 2020 and we submit these “raw” data as .rds files denoted as mammal\_raw.rds (data for small mammals), beetle\_raw.rds (data for ground beetles), fish\_raw.rds (data for fish), macroinv\_raw.rds (data for freshwater macroinvertebrates). Protocols for data collection for each organismal group and detailed description of the data objects can be accessed online through NEON (https://www.neonscience.org/data-collection/terrestrial-organisms). We additionally submit R code used to process these “raw” data as 00\_data\_processing.R file.