

Species composition, diversity, and the abundance of arthropods inhabiting burrows of the common hamster (*Cricetus cricetus* L.)

Paulina Celebias¹, Andrzej Melke⁵, Dariusz J. Gwiazdowicz³, Marek Przewoźny¹, Karol Komosiński⁴, Edward Baraniak¹, Katarzyna Winnicka², Iwona Melosik², Joanna Ziomek¹

¹*Department of Systematic Zoology, ²Department of Genetics, Faculty of Biology, Adam Mickiewicz University in Poznań, Umultowska Str. 89, 61-614 Poznań, Poland; ³Department of Forest Pathology of Poznań University of Life Sciences, Wojska Polskiego 71 C, 60-625 Poznań; ⁴Department of Zoology, Faculty of Biology and Biotechnology, University of Warmia and Mazury in Olsztyn, Michała Oczapowskiego Str. 1A, 10-719 Olsztyn; ⁵Independent researcher, Św. Stanisława Str. 11, 5, 62-800 Kalisz*

Corresponding author: Iwona Melosik, melosik1@amu.edu.pl, phone (+048) 61 829 58 60

Fig. S1. Trap designated for research on arthropod communities inhabiting common hamster burrows.

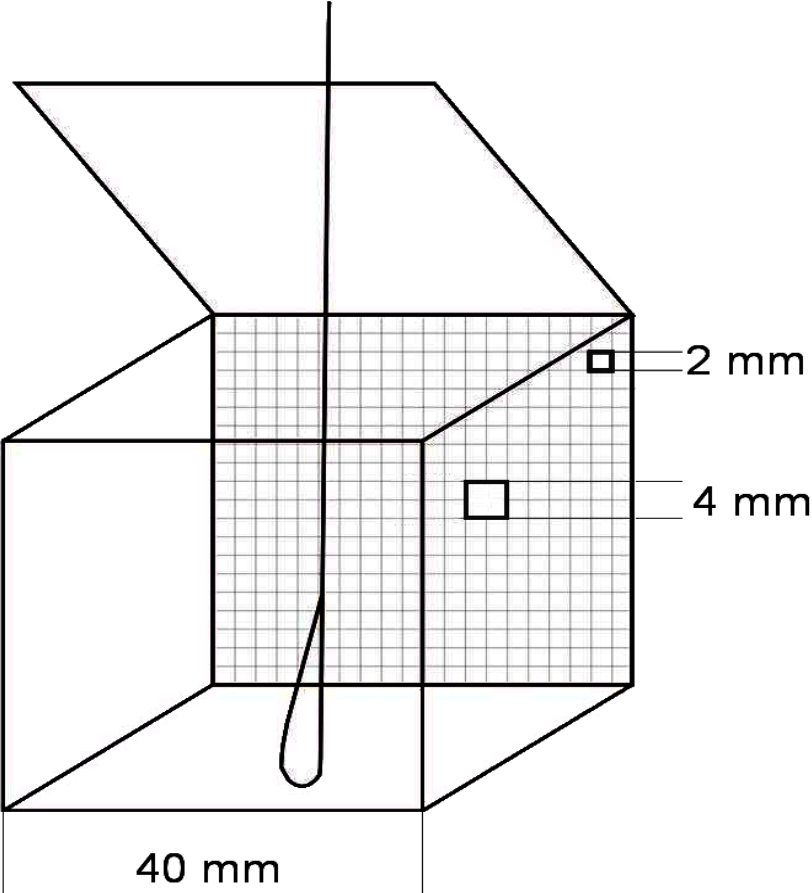
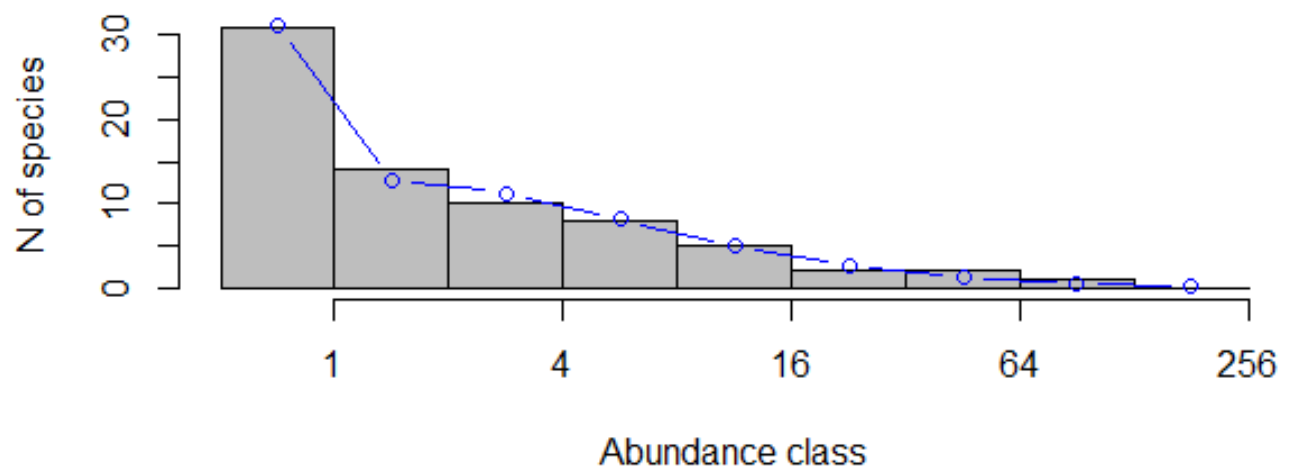


Fig. S2. Arthropod species abundance distribution across all sites (grey bars) and associated Poisson-lognormal distribution model (McGill, 2003) that fits the data, log-likelihood = -162.65, AIC = 329.295. The abundance classes were presented as the number of arthropod species in classes of the logarithm of abundances at base 2 (Preston's octaves).



Reference

McGill, B.J. (2003). A test of the unified neutral theory of biodiversity. *Nature* **422**, 881–885.