**Table S1.** Body length of the arthropod taxa captured in a 2012 survey at current study site. Between June and September of 2012, six pitfall traps were set up at the study site. The pitfall traps were buried at a depth such that the top of the cup was flush with the surface of the ground. The traps were made of plastic cups (diameter = 6.5 cm, height = 4.8 cm) and filled with ∼50 mL of water. In each of the four months (i.e. June, July, August, September), we opened the traps for three consecutive days. On each day, clean traps with water were set up in the evening and all captured arthropods were collected and brought back to the lab the next morning. The distance between any two pitfall traps was more than 20 m. Once brought back to the lab, we rinsed the specimen with water, identified them to order or family level based on their morphology under a microscope, and randomly selected 5-22 individuals for body length measurement

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| Taxa | Sample size | Min.-Max. body length (mm) |
| Collembola | 10 | 0.7-2.7 |
| Isopoda: Oniscidea | 10 | 2.1-7.7 |
| Araneae | 10 | 1.1-6.5 |
| Hymenoptera: Formicidae | 14 | 3.4-16.6 |
| Coleoptera: Carabidae | 10 | 10.9-19.9 |
| Coleoptera: Staphylinidae | 13 | 1.3-10.4 |
| Coleoptera (excluding Carabidae, Staphylinidae) | 10 | 1.1-23.9 |
| Arachnida: Acari | 10 | 0.7-1.4 |
| Diptera | 22 | 1.0-10.4 |
| Dilopoda | 5 | 16.0-19.0 |