**Supplementary Table S1:**

**Characteristics and key behaviors of female A. femoralis in natural populations.**

The following characteristics and behaviors were described for wild A. femoralis females and serve as qualitative reference for tagged females.

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| --- | --- | --- | --- |
| **Category** | **Characteristics & behaviors** | **Reference literature** | **Description** |
| *General* | Feeding | (Parmelee, 1999) | Food quality: orthopterans, coleopterans, adult arthropods, ants /mites, larvae |
|  | Site fidelity | (Ringler et al., 2009) | Intra-annual female site fidelity |
| *Reproduction* | Temporal patterns of courtship  | (Stückler et al., 2019) | Courtship starts in the afternoon ~17h and continues on the next morning, ending in mating  |
|  | Amplexus | (Stückler et al., 2019) | Cephalic amplexus |
|  | Oviposition | (Stückler et al., 2019) | Oviposition in the morning, ~8h |
|  | Discontinued courtship | (Stückler et al., 2019) | 2 out of 29 females discontinued the courtship |
| *Social* | Agonistic interactions with females or males | (Ringler et al., 2009; Roithmair, 1992, 1994) | No agonistic interactions observed |
| *Parental care* | Tadpole transport | (Ringler, et al., 2015; Silverstone, 1976) | Female compensate for absent male and shuttle tadpoles (7.8 % in the field)  |
| *Mortality* | Predation | (Beck et al., 2017; Pašukonis et al., 2014; Ringler, Ursprung, & Hödl, 2010) | Snakes and spiders described as predators  |
|  | Survival rate | (Ringler et al., 2009) | Inter-annual survival < 20 % |

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