**Supplementary files for the manuscript: Early amphibian colonizers of artificial mini-ponds: first results of a citizen science experiment (Siebert et al. 2025)**

**Table S1:** Pairwise comparison of posterior per-interval detection probabilities between taxa. Taxon pairs are ranked in decreasing order of $P(\Delta > 0)$. To avoid duplicate pairs only comparisons with positive mean differences are shown. Mean Diff = posterior mean difference; 95% CI = Bayesian credible interval; $P(\Delta > 0)$ = posterior probability that difference > 0.

| Species 1 | Species 2 | Mean Diff | Lower 95% CI | Upper 95% CI | $P(\Delta > 0)$ |
|---|---|---|---|---|---|
| *Bombina variegata* | *Bufotes viridis* | 0.0473 | -0.0693 | 0.1800 | 0.762 |
| *Bombina variegata* | *Pelophylax* spp. | 0.0331 | -0.0668 | 0.1581 | 0.692 |
| *Lissotriton vulgaris* | *Bufotes viridis* | 0.0205 | -0.0660 | 0.1049 | 0.685 |
| *Pelophylax* spp. | *Bufotes viridis* | 0.0141 | -0.0628 | 0.0819 | 0.662 |
| *Bombina variegata* | *Lissotriton vulgaris* | 0.0268 | -0.0856 | 0.1574 | 0.647 |
| *Lissotriton vulgaris* | *Pelophylax* spp. | 0.0063 | -0.0589 | 0.0770 | 0.564 |

**Table S2:** Pairwise comparison of posterior cumulative detection probabilities between species. Taxon pairs are ranked in decreasing order of $P(\Delta > 0)$. To avoid duplicate pairs only comparisons with positive mean differences are shown. Mean Diff = posterior mean difference; 95% CI = Bayesian credible interval; $P(\Delta > 0)$ = posterior probability that difference > 0.

| Species 1 | Species 2 | Mean Diff | Lower 95% CI | Upper 95% CI | $P(\Delta > 0)$ |
|---|---|---|---|---|---|
| *Lissotriton vulgaris* | *Bufotes viridis* | 0.1779 | -0.0830 | 0.4605 | 0.907 |
| *Lissotriton vulgaris* | *Pelophylax* spp. | 0.0845 | -0.1149 | 0.2558 | 0.826 |
| *Bombina variegata* | *Bufotes viridis* | 0.1468 | -0.2148 | 0.4652 | 0.813 |
| *Pelophylax* spp. | *Bufotes viridis*. | 0.0933 | -0.1392 | 0.3580 | 0.757 |
| *Bombina variegata* | *Pelophylax* spp. | 0.0535 | -0.2624 | 0.2697 | 0.692 |
| *Lissotriton vulgaris* | *Bombina variegata* | 0.0311 | -0.2231 | 0.3549 | 0.549 |

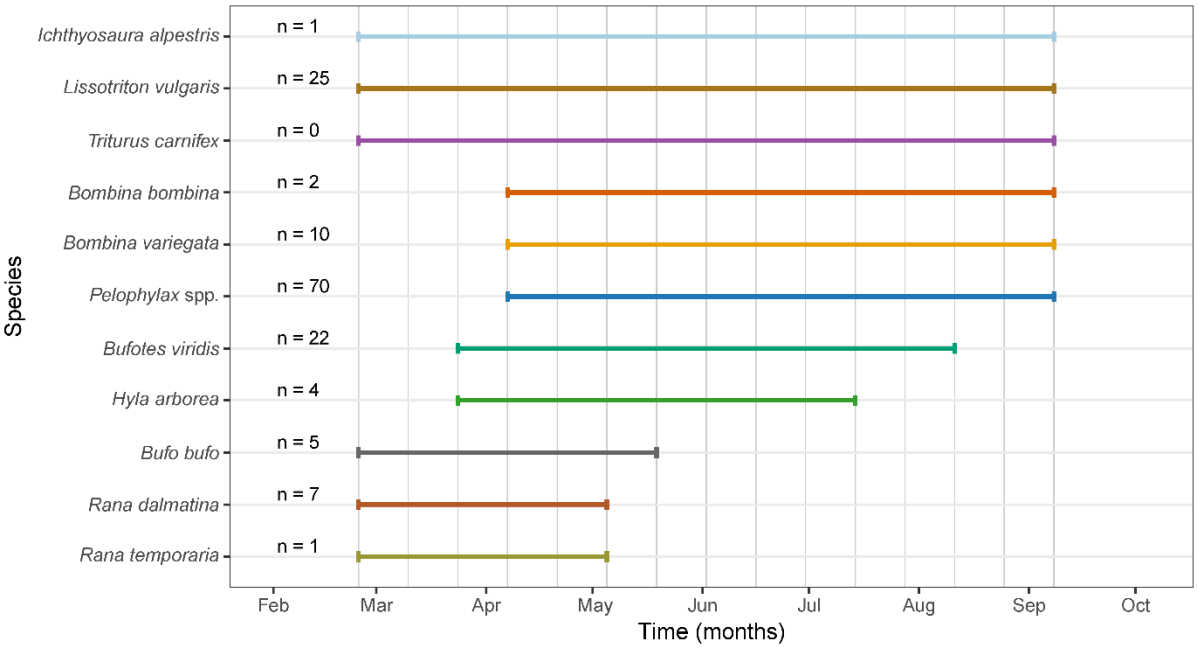


**Figure S1:** Core activity periods for each taxon detected in the mini-ponds. The total sampling period is divided in 14 two-week sampling intervals. Gray vertical lines mark sampling interval boundaries. The first interval starts on 26$^{th}$ of February while the last ends on 9$^{th}$ of September. The number of detections during the respective core activity intervals across all sites (n) are written next to the taxa' name.