Jusino & Banik et al. Supporting Information

Appendix S1 - DNA extraction details for the CLS extraction for arthropods

Place the insect or body part in 100uL of filtered cell lysis solution (CLS; Lindner & Banik 2009) and freezing at -80° C. Following freezing the samples were placed at 65 C for two hours and then centrifuged at 10000 rcf for 5 minutes. 100uL of supernatant was then removed to a 300 µL strip tube and 125uL of cold isopropanol was added and mix by inverting 5 times. The sample placed at -80° C for 10 minutes, centrifuged at 0° C for 20 minutes at 10000 rcf, and the supernatant removed and discarded. The pellet was washed with 150 µL of 70% Ethanol and centrifuged at room temperature. The supernatant was removed, air dried for five minutes, re-suspended in 45 µL water with the addition of 135 µL NaI and 2.5 uL of glass milk. After shaking for 5 minutes, the samples were centrifuged at 10000 rcf for 8 s and the supernatant removed and discarded. Samples were washed by adding 175 µL of New Wash (MPBio), tip mixing to resuspend the glass milk pellet, vortexing briefly, shaking for 5 minutes and centrifuging at 10000 rcf for 8 s. After removal of the supernatant the pellet is allowed to air dry for 15 min before being resuspended in 50 µL of water and stored at -20° C.