

**Figure S1:** Proportion of species within genera of Microgastrinae from five different study sites within the Nearctic: 1) Arkansas forests, 34° N and 65 species [18]; 2) Midwestern US tall grass prairies, 39° N and 55 species [17]; 3) Forests of Yellowstone National Park, 44° N and 35 species[19]; 4) Quebec apple orchards, 45° N and 36 species [16]; 5) Boreal forest/tundra in Churchill, 59° N and 79 species (present work).

