



Figure S1. (a) *Anthophila* genera accumulation curve and its associated standard deviation from $n = 999$ random permutations of the data for the whole gradient. (b) *Anthophila* genera accumulation curves (thin solid line) and their associated standard deviation (SD) for the three studied areas along the climatic gradient. (c) Bumble bee species accumulation curve and its associated standard deviation from $n = 999$ random permutations of the data for the whole gradient. (d) Bumble bee species accumulation curves (thin solid line) and their associated standard deviation (SD) for the three studied areas along the climatic gradient.