Digital supplementary material to


**Fig. S1:** Temporal fidelity in *Myrmecia croslandi* ants. Nest departure times of individually marked ants relative to sunrise time is plotted against the days on which they were active. Based on activity times, (a) at Nest A three distinct groups were identified: ants observed to be active all day (N = 10), active only within eight hours after sunrise (N = 21), and active only after eight hours after sunrise (N = 7). (b) At Nest B two distinct groups were identified: ants active all day (N = 22) and active only eight hours after sunrise (N = 9). Grey shaded areas indicate the warmest period of the day (six to eight hours from sunrise) when most ants did not leave the nest.
Fig. S2: Foraging frequency of *Myrmecia croslandi* ants over seven-consecutive days. The number of trips individual ants carried out over a seven-day period at (a) Nest A and (b) Nest B. Size of the circles correspond to the number of trips performed by each ant on a single day. Different colours are used to represent different individuals.