

## SUPPLEMENTARY MATERIAL

Cosarinsky, Römer and Roces. Nest turrets of *Acromyrmex* grass-cutting ants: micromorphology reveals building techniques and construction dynamics

**Figure S1**



Figure S1: Example of the building materials used for the construction of a single turret. One original turret was first dissolved in demineralized water, and thereafter its components separated into plant (mostly grass blades) and soil materials, and dried overnight at 50°C to quantify their mass.

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### Figure S2

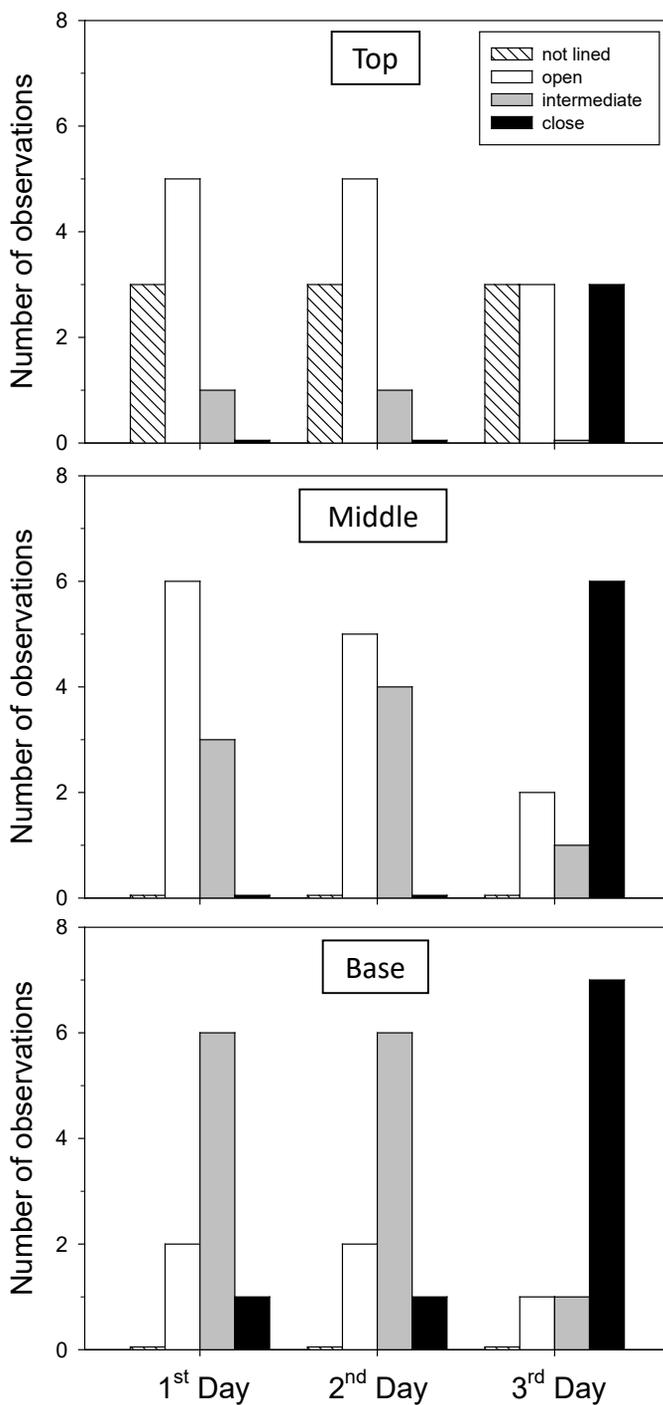


Figure S2: Lining fabrics: shown is the occurrence of the less common lining fabrics observed in the rebuilt turrets over three days, at the top, middle and base of the turret structure (n=9 turrets analyzed). The most common lining fabrics are presented in the main body of the article, in Figure 4.

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### Figure S3

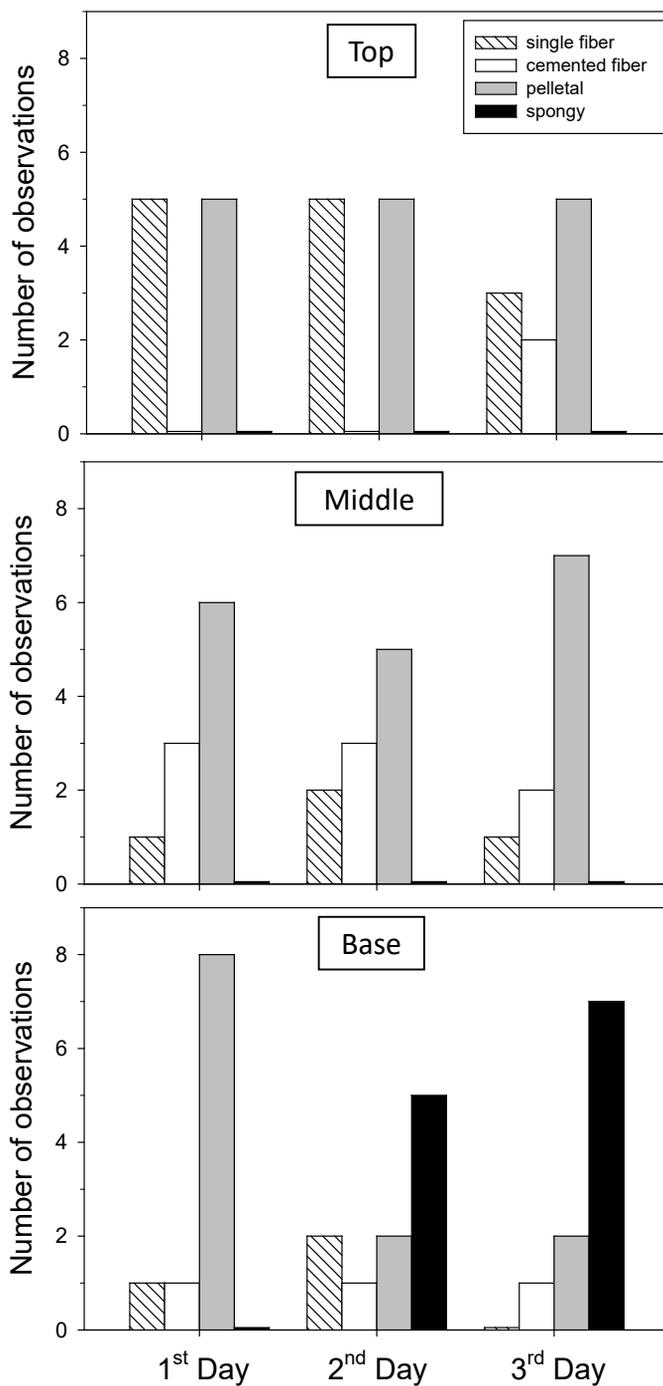


Figure S3: Inner wall microstructures: shown is the occurrence of the less common microstructures observed in the inner walls of the rebuilt turrets over three days, at the top, middle and base of the turret structure (n=10 turrets analyzed). The most common microstructures are presented in the main body of the article, in Figure 5.