Supporting Information

Melanin deposition in two Cryptococcus species depends on cell-wall composition and flexibility

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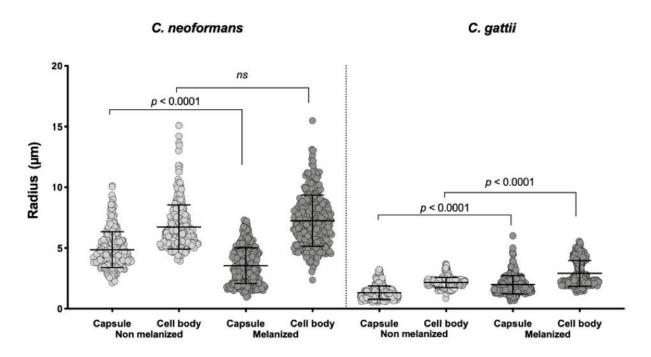


Figure S1. *C. neoformans* **H99** and *C. gattii* **R265** show marked differences in capsule and cell body dimensions under non-melanizing and melanizing conditions. Capsule and cell-body dimensions for non-melanized and melanized yeast cells of *C. neoformans* H99 and *C. gattii* R265 measured from representative light micrographs visualized with India ink counterstaining. Morphological measurements were analyzed using one-way ANOVA and Tukey's multiple comparison test. Error bars represent standard deviations.

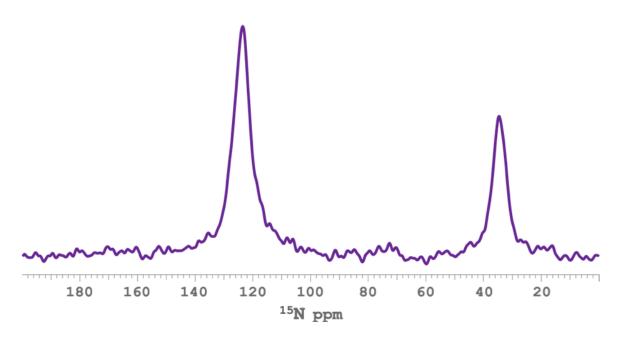


Figure S2. *C. neoformans* **H99 melanin ghosts display nitrogen signals characteristic of chitin and chitosan.** 1D 15N CPMAS spectrum of *C. neoformans* H99 melanin ghosts generated from cell cultures containing [U-13C6]-D-glucose and 15N-glycine as the sole carbon and nitrogen sources, respectively. The peaks at 123 ppm and 35 ppm are characteristic of the chitin amido and chitosan amino nitrogens, respectively.