**Figure S1.** Box and whisker plots of thefour diversity metrics [richness (A), evenness (E), Shannon’s diversity (C), and Simpson’s Dominance (D)] for fungi with homes categorized above and below the median age of 53 years.

**Figure S2.** Box and whisker plot of fungal richness with homes categorized above and below the median ERMI value of 2.0.

**Figure S3.** Box and whisker plot of fungal richness with homes categorized above and below the median relative humidity value of 36.0%.

**Figure S4.** Box and whisker plots of thefour diversity metrics [richness (A), evenness (E), Shannon’s diversity (C), and Simpson’s Dominance (D)] for fungi with homes categorized according to dog ownership. Whiskers on box plots are maximum and minimum values.

**Figure S5.** Linear discriminant analysis showing bacteria associated with high (≥2.0) or low (<2) ERMI homes (A), high (≥36.0%) or low (<36%) relative humidity (B), and older (≥53 years) or younger (<53 years) homes. For the sake of clarity, only bacteria with LDA scores above 2.5 are shown in panels (A) and (B) and above 3.0 in panel (C).

**Figure S6.** Linear discriminant analysis showing fungi associated with and without dog ownership. For the sake of clarity, only fungi with LDA scores above 2.6 are shown.