



Figure S2. Correlations between fungal pathogen diversity and socio-economic indicators. Spearman correlation coefficients (color scale) between fungal pathogen alpha diversity measured as Shannon index and observed species richness and six socio-economic variables across global soil samples ($n = 3,200$). Asterisks denote significance levels ($p < 0.05$, $p < 0.01$, $p < 0.001$). Pathogen diversity is positively associated with population size and density, and negatively correlated with GDP per capita and Human Development Index (HDI).