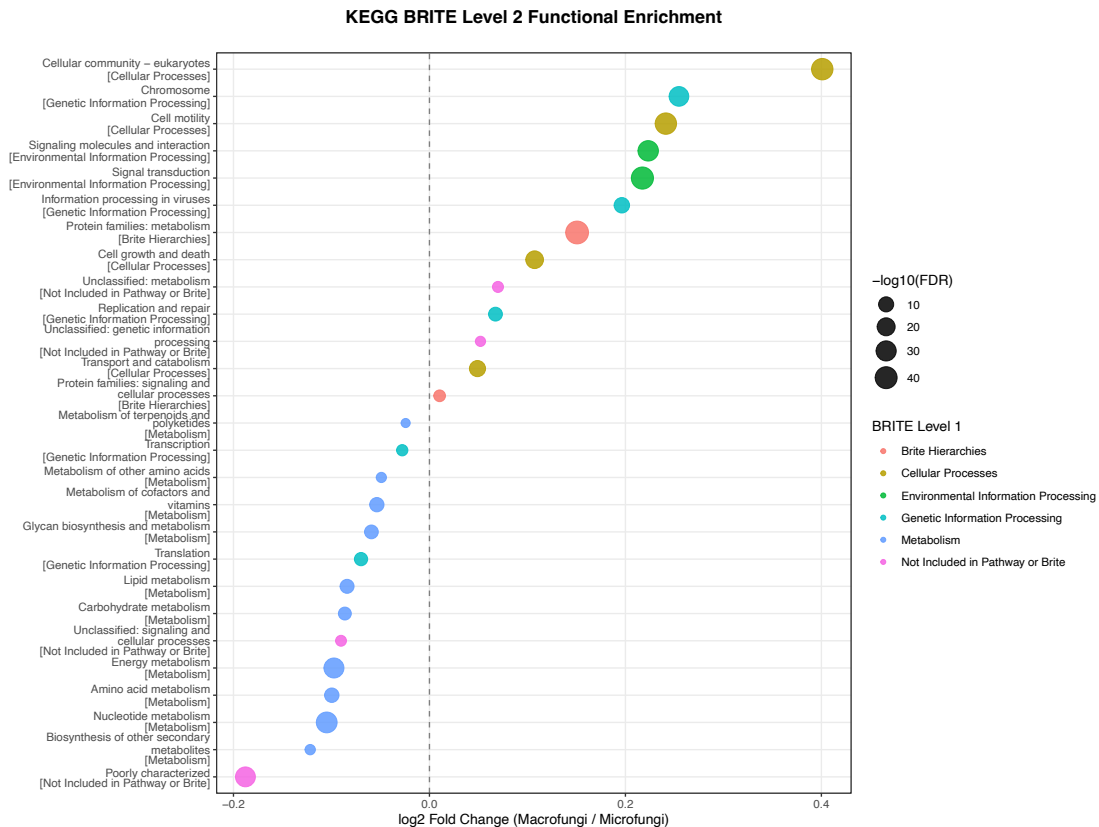




Supplementary Figure S4 KEGG BRITE level 2 functional differentiation between macrofungi and microfungi. KEGG Orthology (KO) annotations generated by eggNOG-mapper were classified according to the KEGG BRITE hierarchy and summarized at BRITE level 2. The x-axis represents the log2 fold change in normalized KO abundance between macrofungi and microfungi, with positive values indicating enrichment in macrofungi and negative values indicating enrichment in microfungi. Bubble size corresponds to statistical significance ($-\log_{10}$ FDR-adjusted P value), and colors denote BRITE level 1 functional categories. Categories associated with Human Diseases and Organismal Systems were excluded from the analysis. Statistical significance was assessed using two-sided Wilcoxon rank-sum tests, and P values were corrected using the Benjamini–Hochberg procedure.