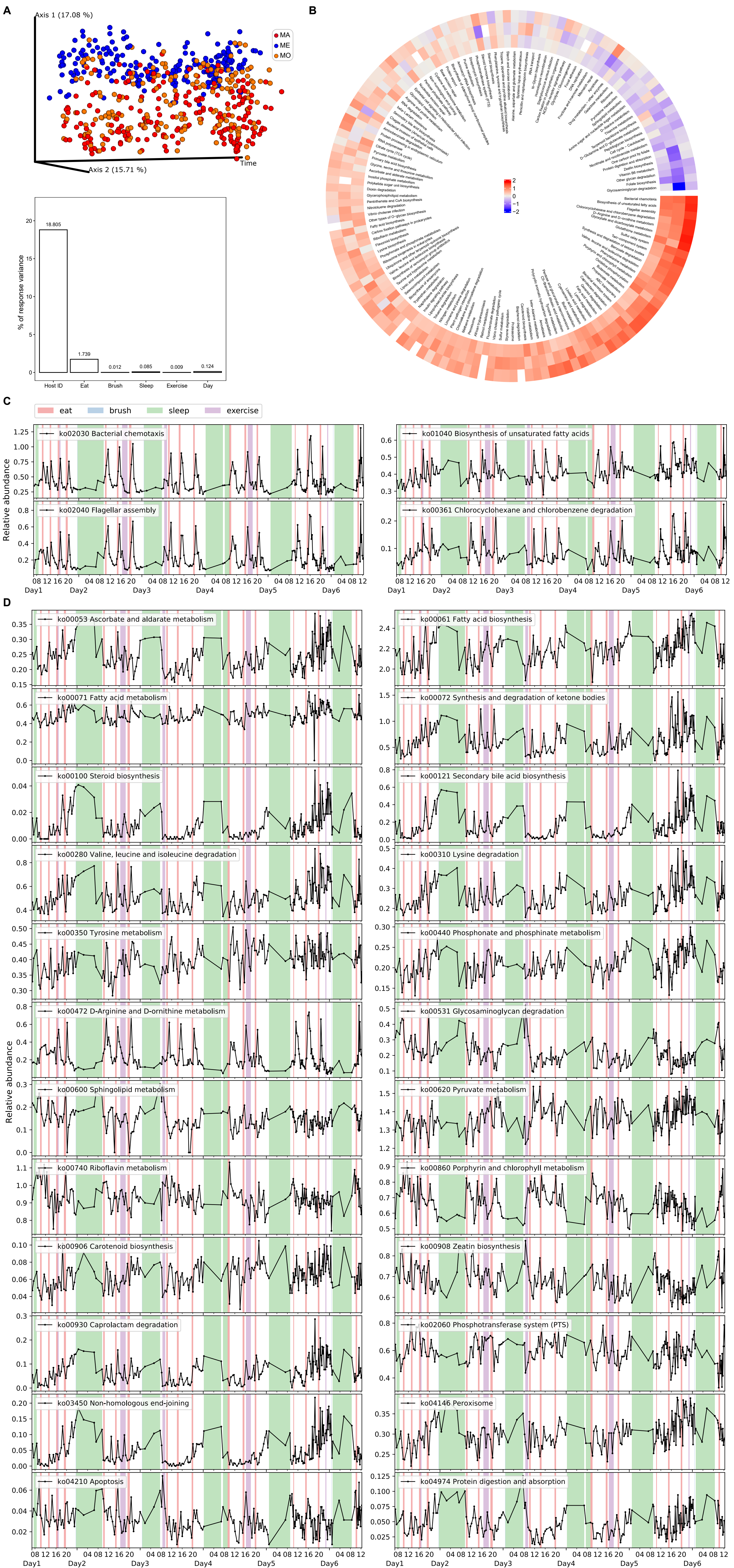




Supplemental Figure S8. Temporal changes of microbiome functional capacity. (A) (top) The PCoA plot (Canberra distance) of KEGG pathways along the sampling time of over 6 days. Samples were clustered by individuals. (bottom) Functional composition variation explained by host ID, events activities and sampling days. (B) Heatmap displaying z-scores of KEGG pathways for eating activity. White colors indicate the ASVs that do not exist or with prevalence lower than 10% in the corresponding subject. (C) KEGG pathways with the highest average z-scores were plotted in subject MA. (D) KEGG pathways that showed statistically significant diurnal pattern in two or more individuals were plotted in subject MA.