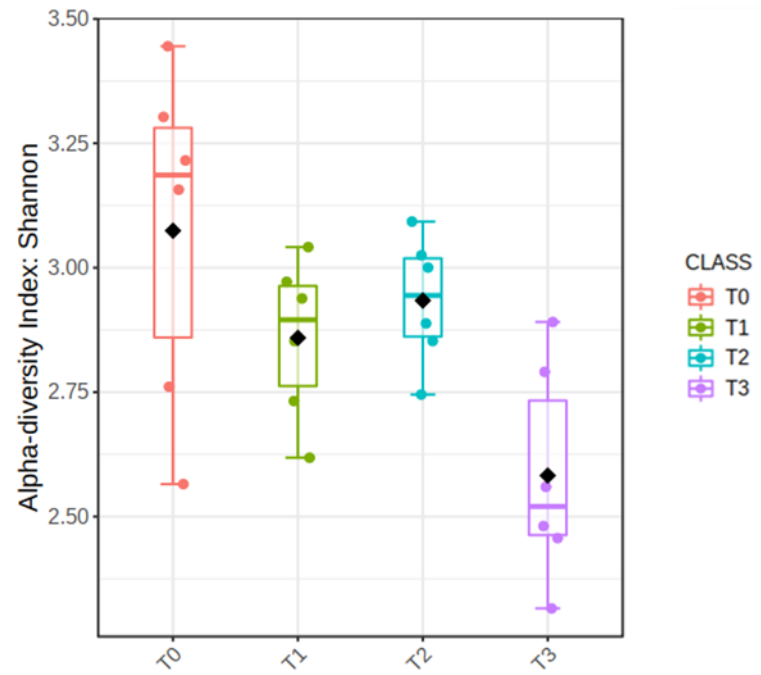


(a)



(b)

Fig. S3

**Fig. S3** Box plots show Chao1 richness (a) and Shannon (b) diversity profiles considering the sampling time during 163 days of probiotic administration. The line inside the box represents the median, while the whiskers represent the lowest and highest values within the 1.5 interquartile range (IQR). Outliers and individual sample values are shown as dots. Statistical testing  $p$  value = 0.024944; [Kruskal–Wallis] statistic: 9.3533 for Chao1 and  $p$  value = 0.030836; [Kruskal–Wallis] statistic: 8.8867 for Shannon.