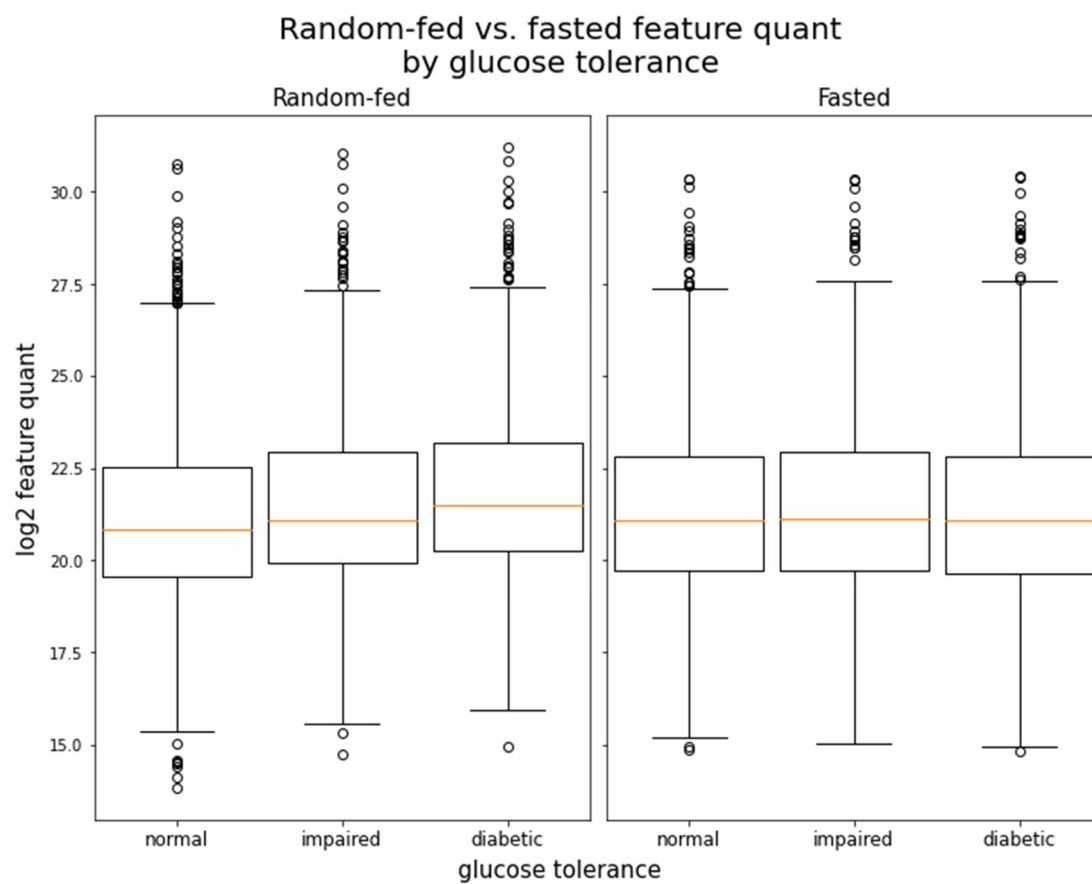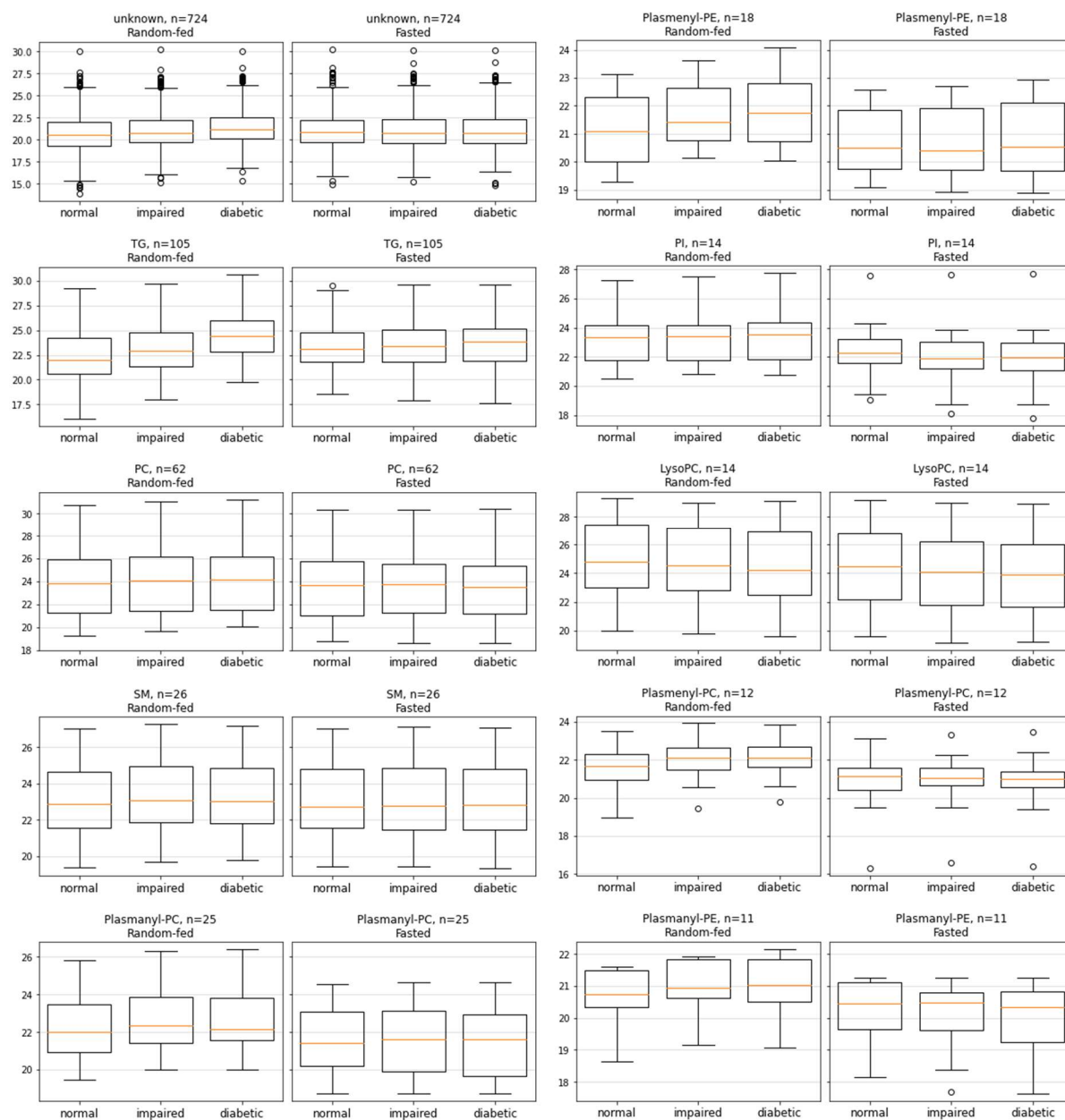**Figure 1:** PCA plots with average feature quant per animal, per feeding type. **(D)** Colored by animal. **(E)** Colored by glucose tolerance.

Figure 2: Comparing average log2 feature quant of all lipid features within each animal's glucose tolerance, separated by feeding type.

Figure 3: Boxplots separated by lipid class (rows) and on feeding type, comparing glucose tolerance.