Chart, scatter chart

Description automatically generatedChart, scatter chart

Description automatically generated

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

Chart, box and whisker chart

Description automatically generated

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

Graphical user interface, application

Description automatically generatedGraphical user interface, application

Description automatically generated

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