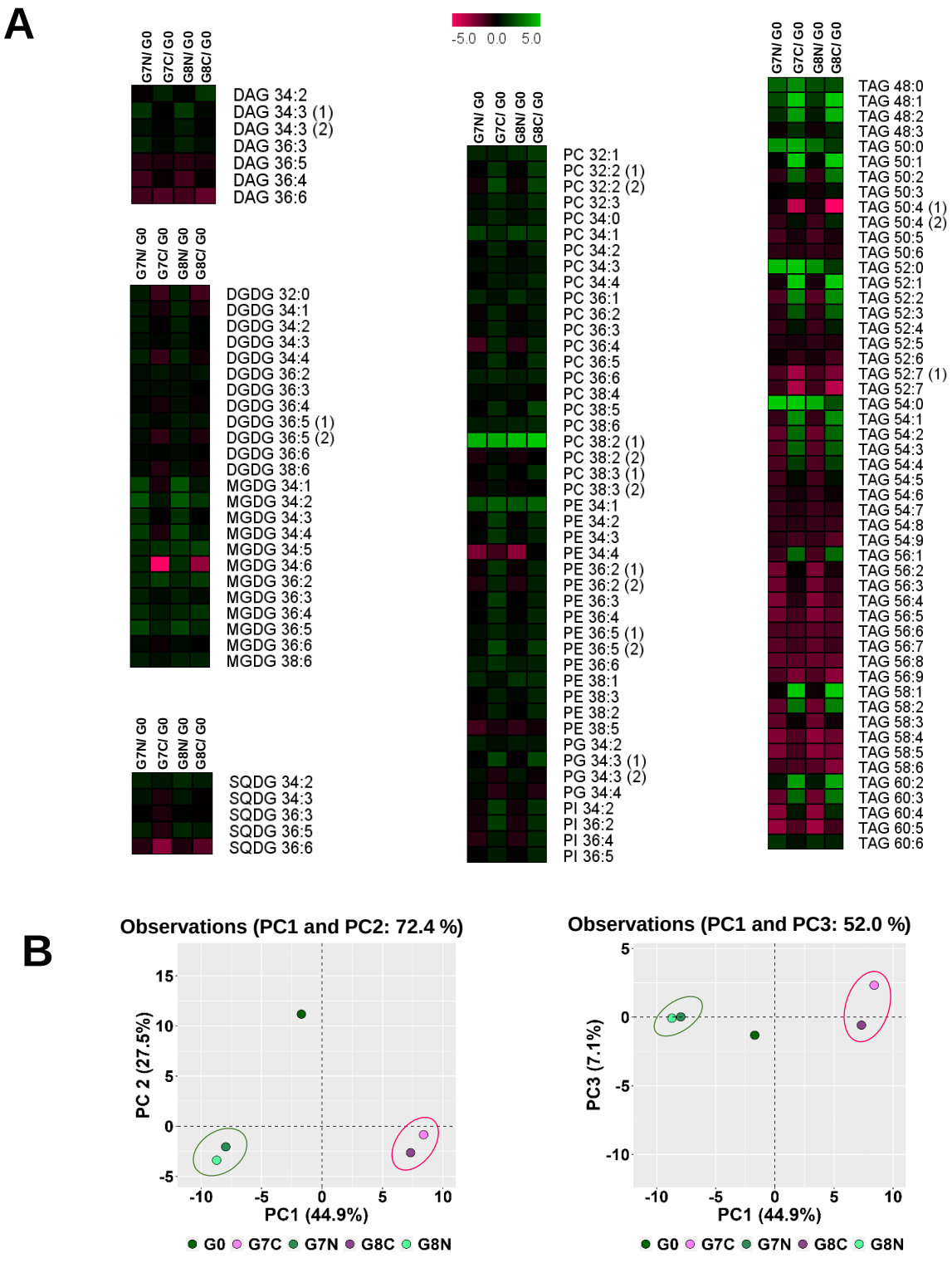

Figure 4. Lipid profiling performed by UPLC-MS. A. Heat map. The heat map displays the relative level of each normalized lipid to its amount found in G0 leaves (no visible symptoms of disease) and expressed as log2. The color scale is shown at the top of the figure and it is proportional to the content of each metabolite. At least five biological independent determinations were analyzed for each sample. Relative values for each metabolite peak area ± SD are displayed in Table S4 and plotted with their corresponding statistical analysis in Figure S3. Lipid species are annotated based on a C *x:y* nomenclature where *x* represents the total carbon number and *y* is the total number of bound. The numbers between parentheses indicate the presence of different isomers of the same lipid which differ in position of the double bond. For example DGDG36:5 (1) and DGDG36:5 (2). **B.** Principal component analysis (PCA) of lipid profiling. Between parentheses, the variance explained by each component (%) is shown.