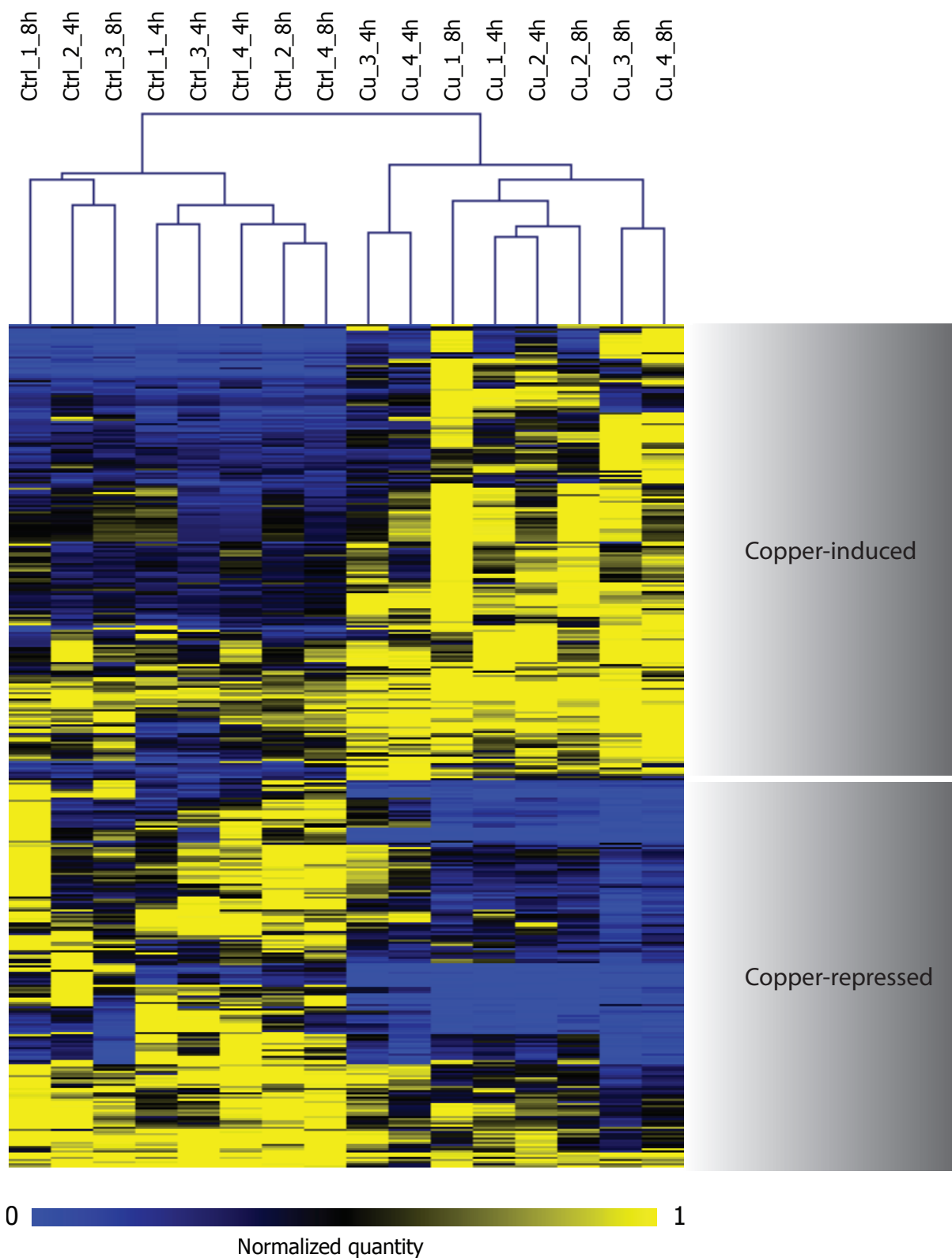


## Additional file 8



**Additional file 8.** Hierarchical clustering of 392 monoisotopic peaks quantified by UPLC-MS in positive and negative ion mode in algal samples under copper stress and control conditions. Concentrations of each metabolite were normalized to a maximum of 1 (see Materials and Methods) and clustering was carried out with the Euclidean distance matrix.