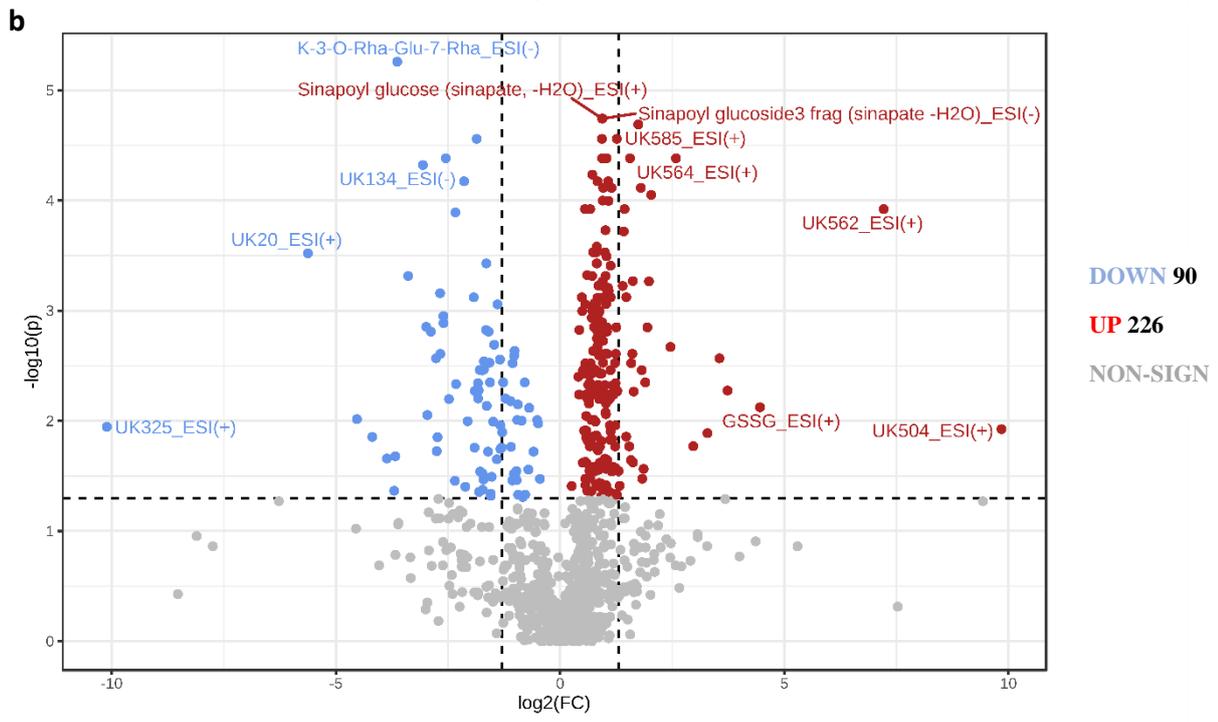
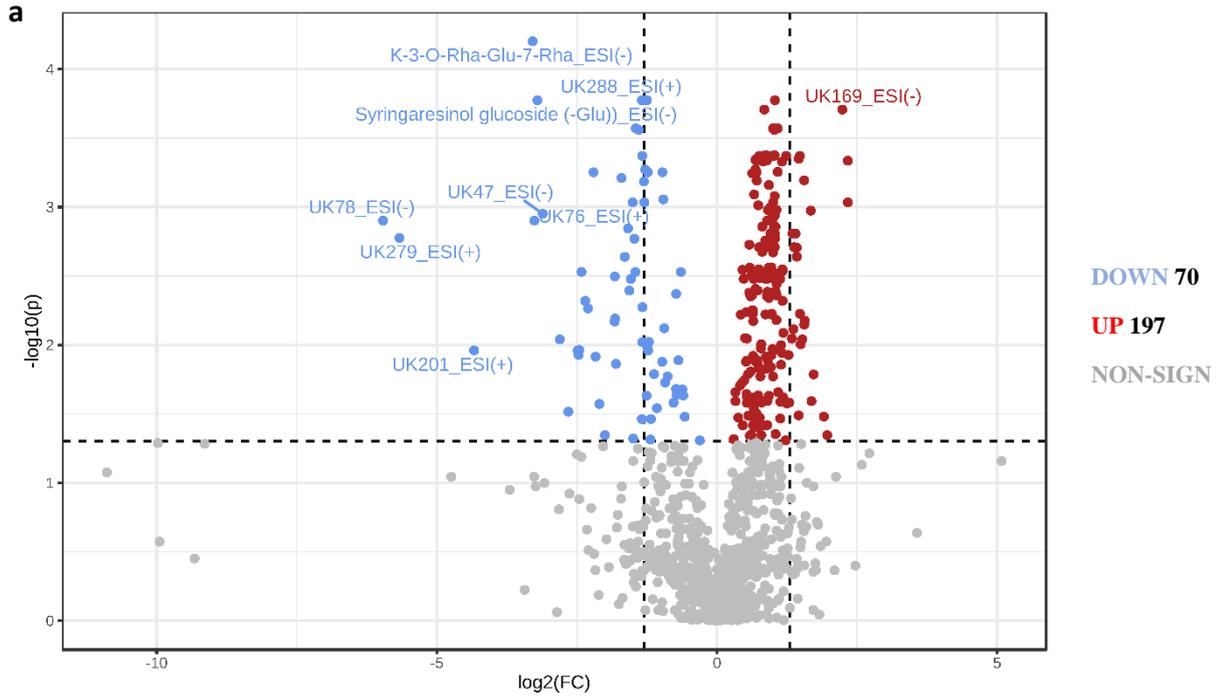
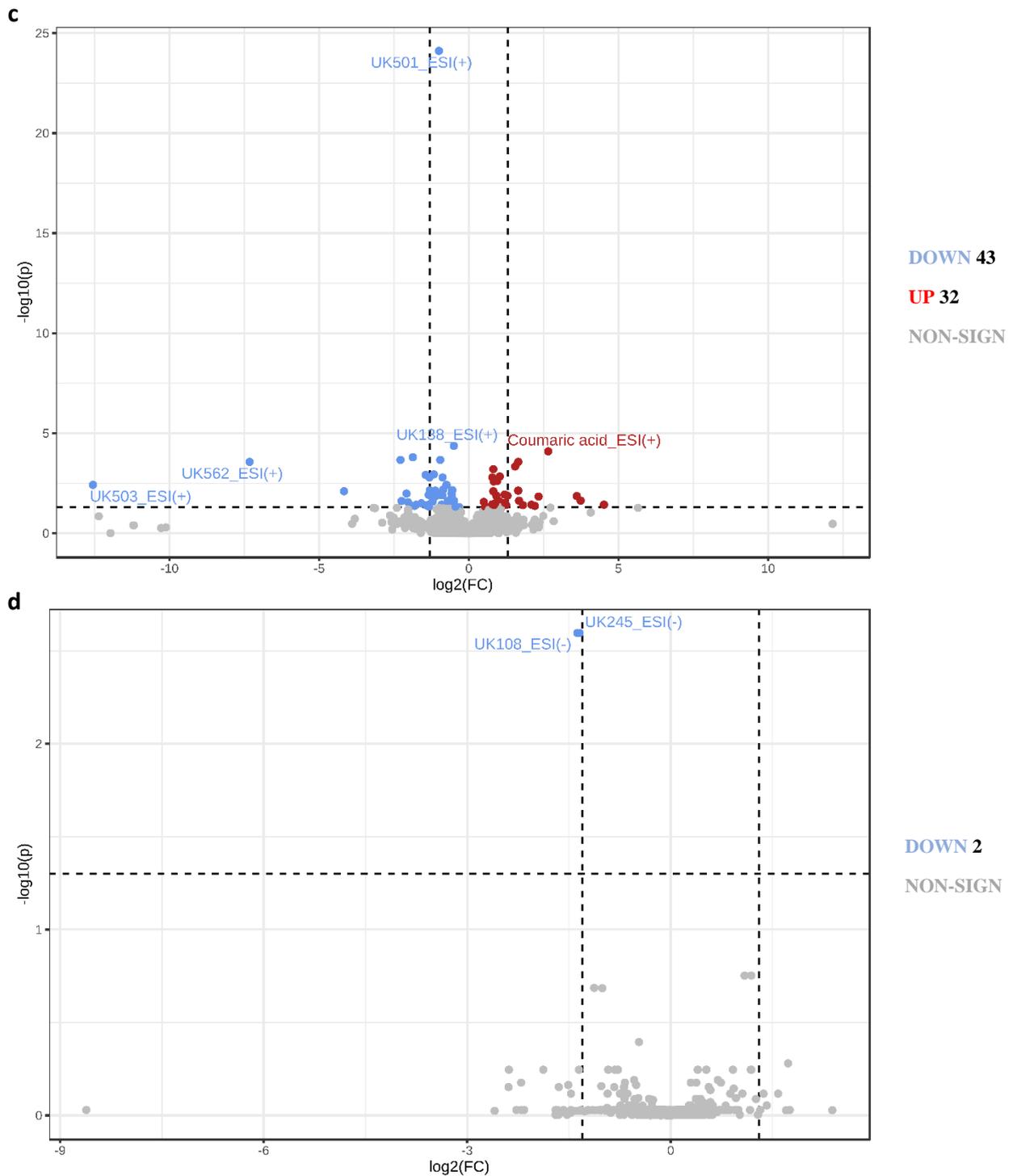


Supplementary Figure S1. Metabolite profiles in Arabidopsis as affected by line and light and methyl viologen treatments. Metabolites were analysed by LC-MS with positive and negative ESI and the variation in metabolite profiles (1146 features) were studied with principal component analysis (PCA, **a-c**). In addition, the variation in lipophilic metabolite profile (16 metabolites analysed with LC-MS using positive ESI and PDA) was studied (**d**). L=Light, MV=methyl viologen/paraquat.





Supplementary Figure S2. Comparison of LC-MS metabolite levels between lines (a-b) and between treatments within each line (c-d). **a)** *rcd1*/Col-0 in light, **b)** *rcd1*/Col-0 in MV, **c)** MV/L in Col-0, and **d)** MV/L in *rcd1*.