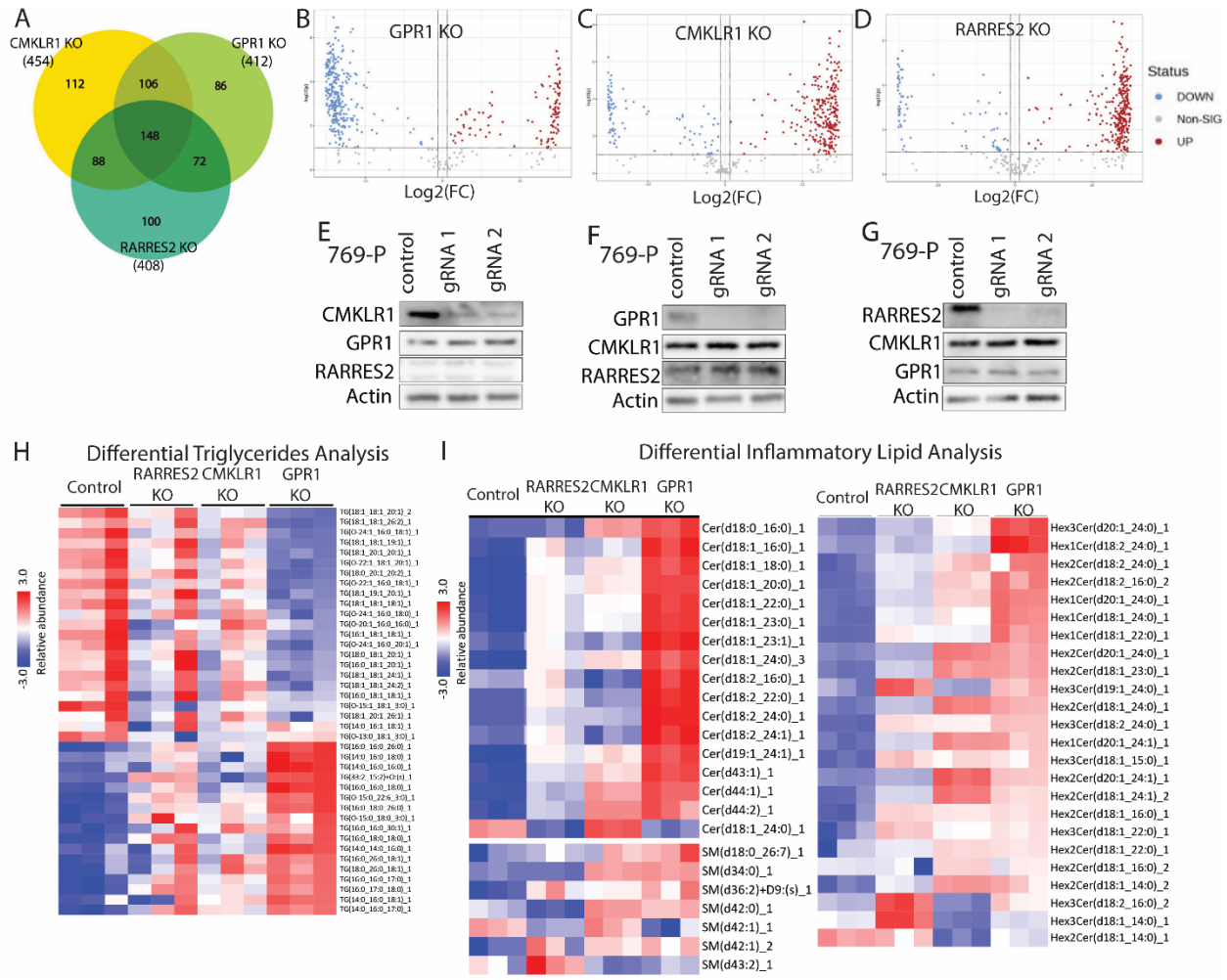

Supplementary Figure 3. Untargeted lipidomic analysis reveal differentially regulated lipid classes by GPR1, CMKRL1 or RARRES2.

A: Venn diagram of differentially regulated lipid species due to *GPR1/CMKLR1/RARRES2* knockout.

B/C/D: Volcano plot showing the differentially regulated lipid species after *GPR1/CMKLR1/RARRES2* knockout.

E: Western blot probing of GPR1 and RARRES2 when *CMKLR1* is knocked out

F: Western blot probing of CMKLR1 and RARRES2 when *GPR1* is knocked out

G: Western blot probing of GPR1 and CMKLR1 when *RARRES2* is knocked out

H: Heatmap showing the differential TG lipid analysis.

I: Heatmap showing the differentially regulated inflammatory lipids consisting of ceramides, hexosylceramides and sphingolipids.