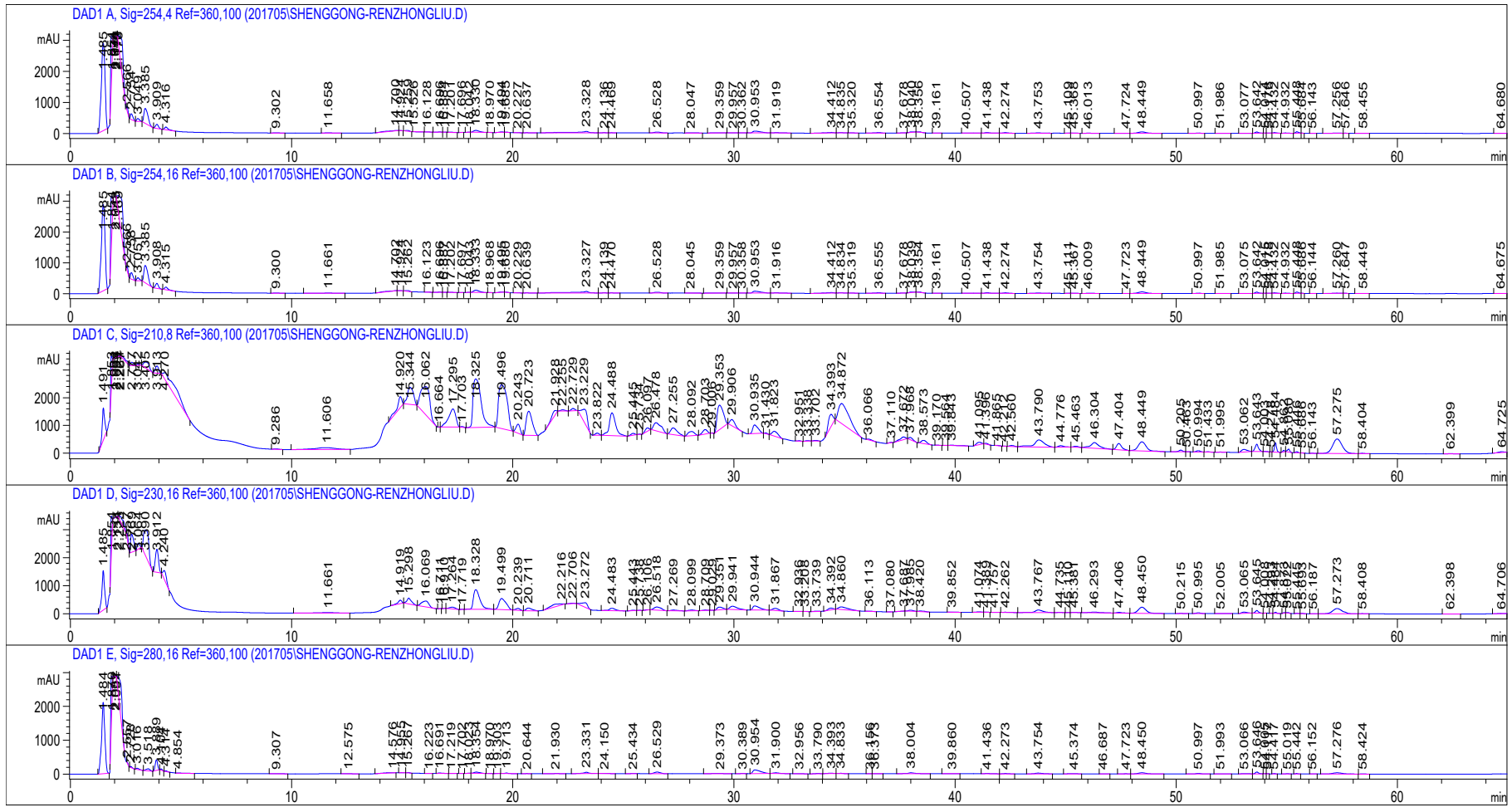


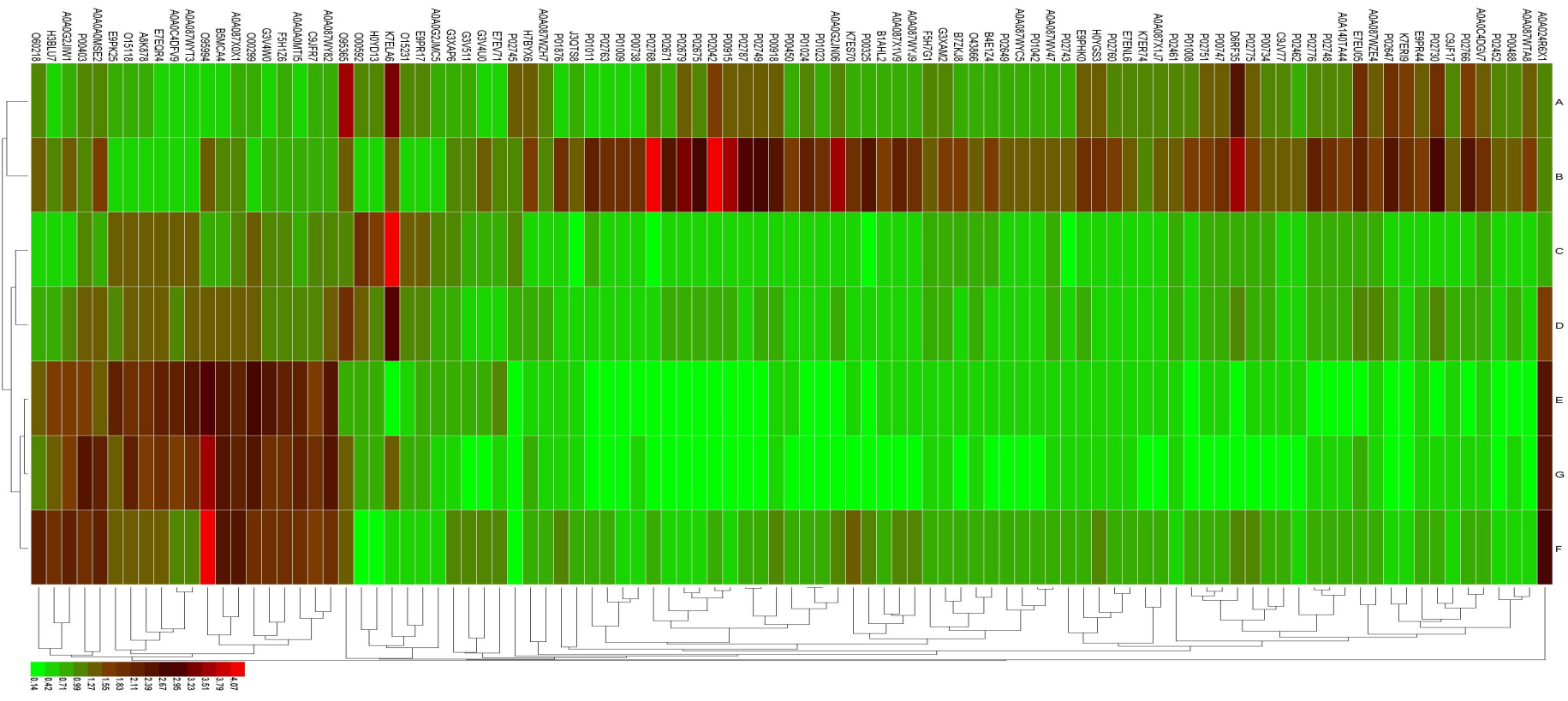
**Supplementary Figure legends:**

**Supplementary Figure 1.** A diagram of chromatographic separation of small molecules in cholangiocarcinoma.

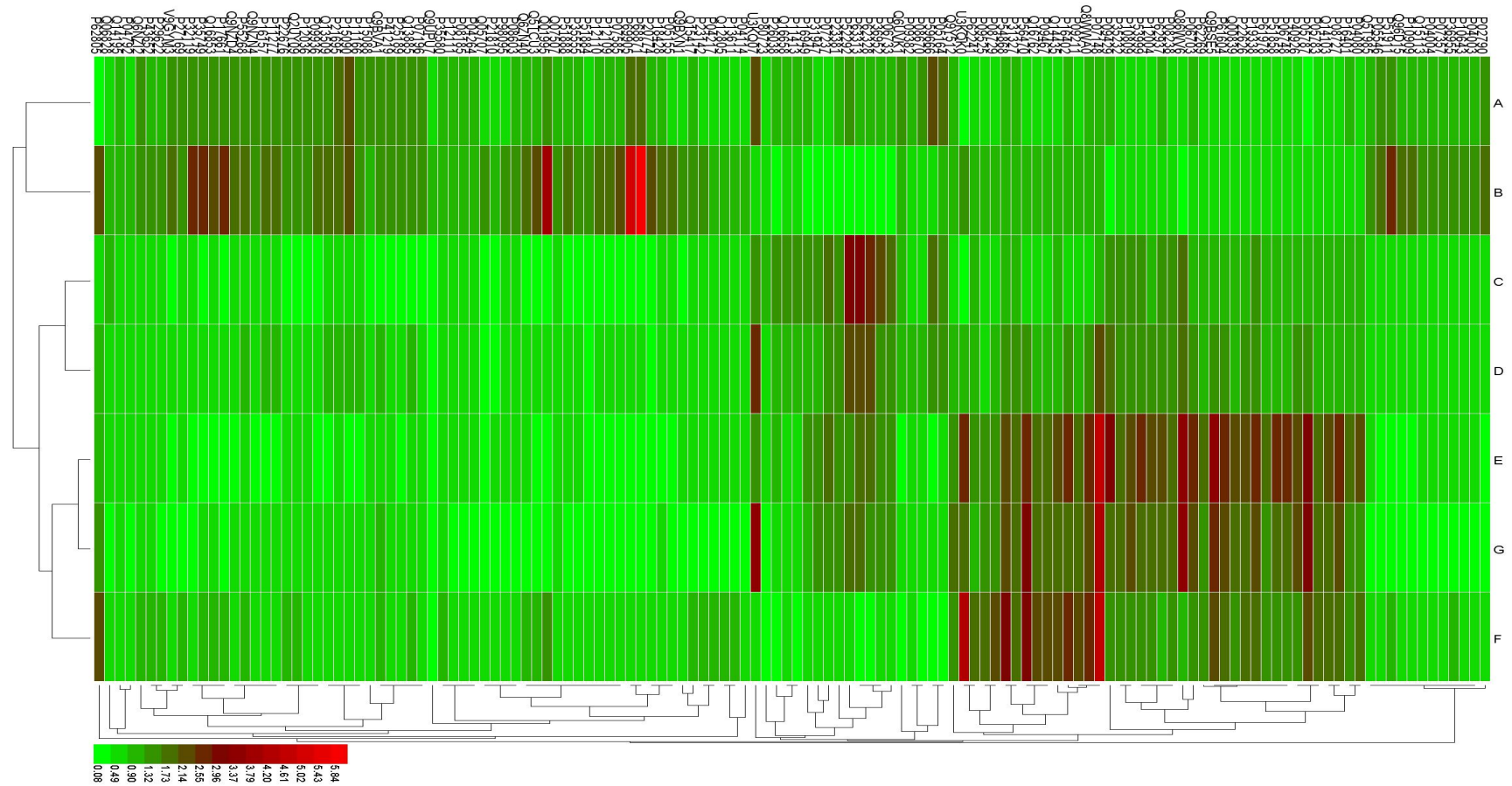
**Supplementary Figure 2a, 2b.** Cluster heatmaps visualizing the gene expression data in cholangiocarcinoma. (Rows represent the the expression level of proteins in each group, columns represent individual protein



Supplementary Figure 1



Supplementary Figure 2a



Supplementary Figure 2b