Description of Additional Supplementary Files

File name: Supplementary Data 1 **Description:** Regulated genes in transcriptome from PI3Kδ overexpression in Huh7 cells versus control cells.

File name: Supplementary Data 2 **Description:** Regulated genes in transcriptome of mouse liver infected with AAV8-PIK3CD vector versus empty vector.

File name: Supplementary Data 3 Description: List of antibodies.

File name: Supplementary Data 4 **Description:** List of primers used for RT-qPCR

File name: Supplementary Data 5 **Description:** All source data for the graphs and charts presented in the main and supplementary figures.