**DNAAF5 promotes hepatocellular carcinoma malignant progression by recruiting USP39 to improve PFKL protein stability**

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**Supplementary Figure 1**. DNAAF5 promotes hepatocellular carcinoma malignant progression by recruiting USP39 to improve PFKL protein stability.

1. Transcriptome sequencing results showing that DNAAF5 might exert multiple biological effects in HCC cell lines.
2. qPCR assays showed that DNAAF5 did not affect the mRNA content of PFKL in HCC cells.