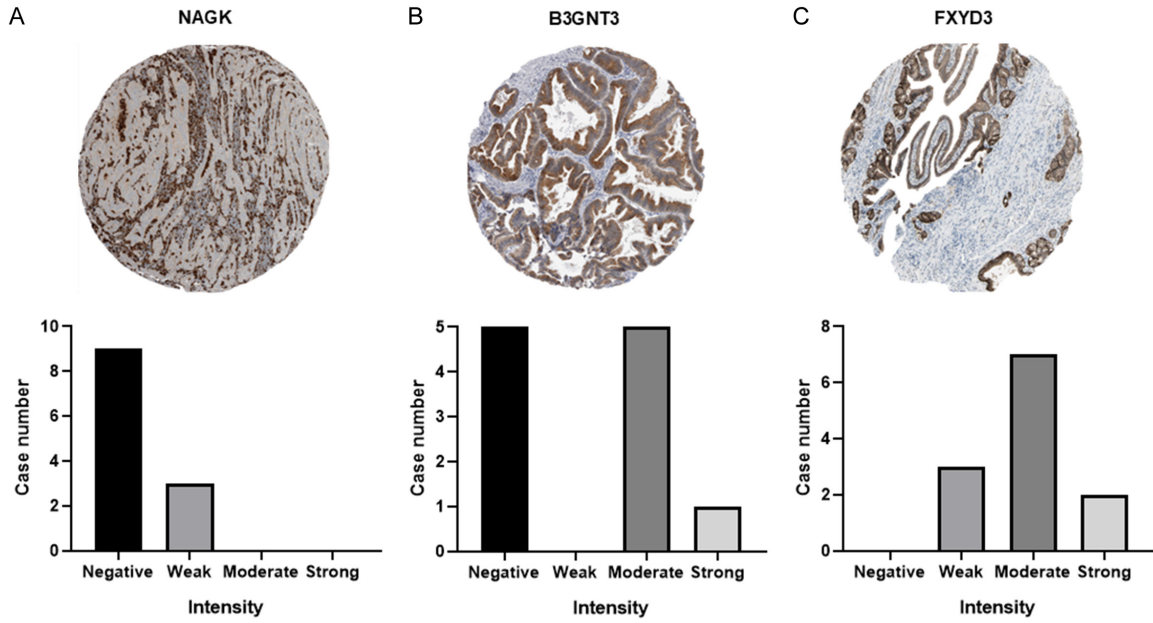**Figure S1**. The protein expression of pancreatic cancer patients (n=12) by HPA database. The intensity of antibody of (A) NAGK, (B) B3GNT3, (C) FXYD3. X axis represents the intensity of the antibody and Y axis represents the case number.
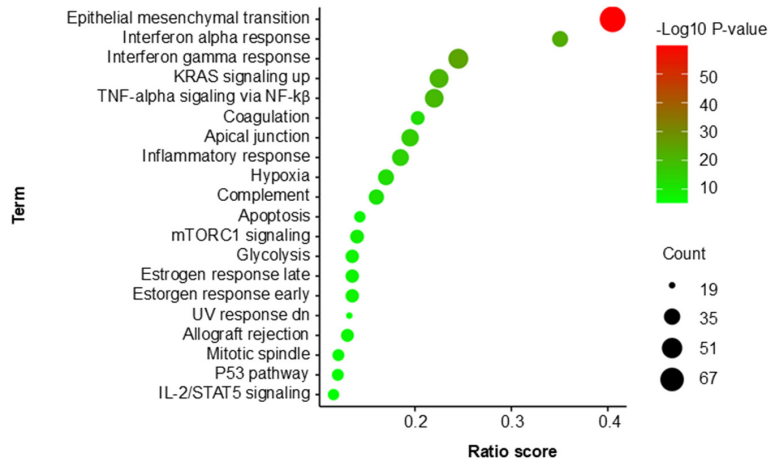

Figure S2. Pathway enrichment analysis of GEO datasets. The dot plot shows the top 20 pathways from the MSigDb.

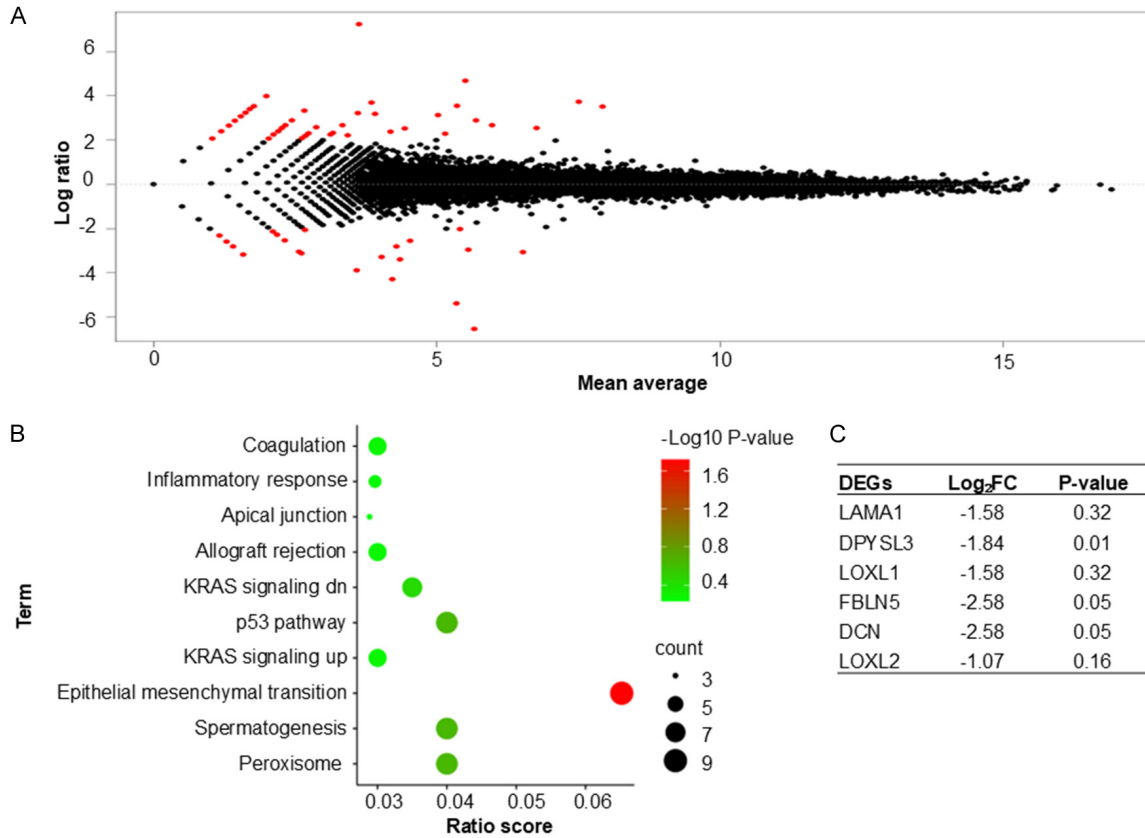**Figure S3.** The identification of FXYD3-related DEGs in pancreatic cancer. A. The MA plot of DEGs ($Log_2FC<0.05$). B. The top 10 molecular pathways related to FXYD3. C. The EMT-related genes.