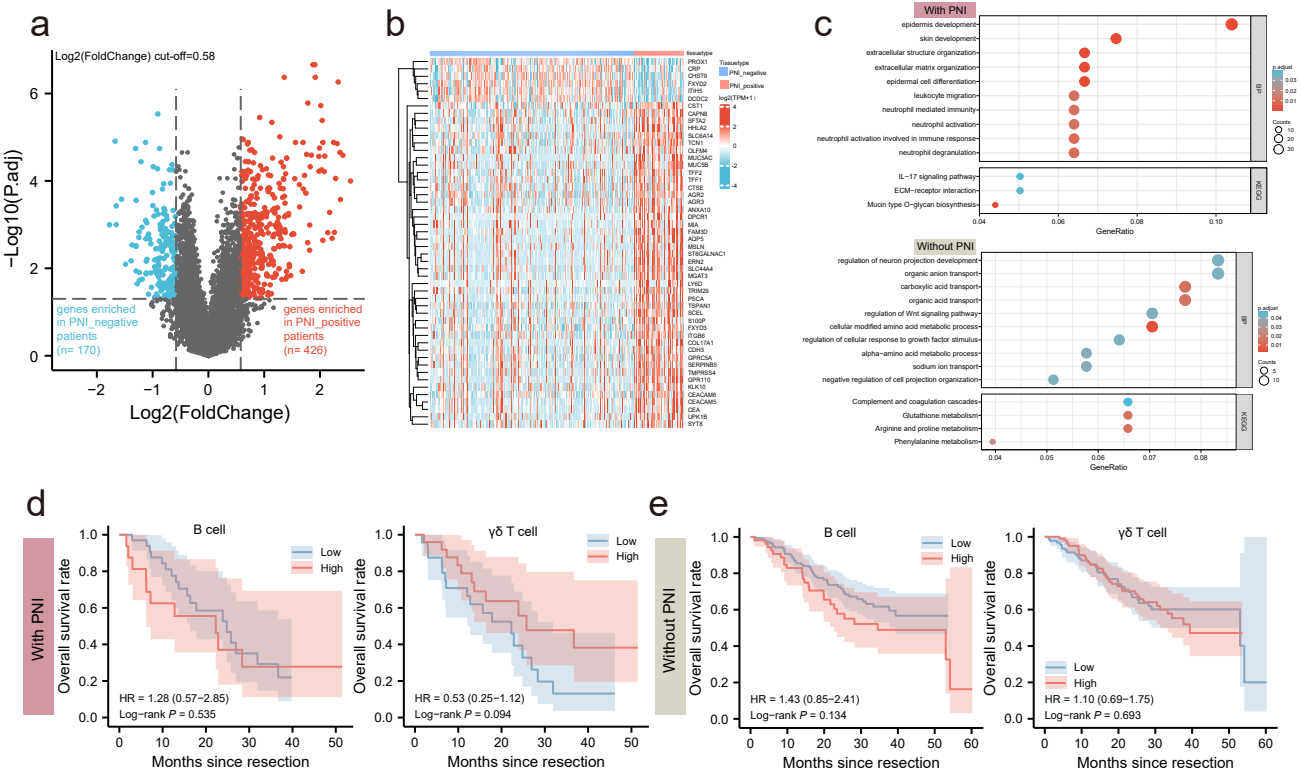




Supplementary figure 3:

- Volcano plot of differentially expressed genes between patients with and without PNI in the ZS-ICC cohort (P.adj cut-off=0.05; |log2Foldchange| cut-off=0.58; 426 genes enriched in the PNI_positive group; 170 genes enriched in the PNI_negative group).
- Heatmap of the top 50 differentially expressed genes between patients with and without PNI in the ZS-ICC cohort (clustered by genes).
- GO and KEGG analyses of genes enriched in patients with PNI and without PNI in ZS-ICC cohort.
- K-M analysis of OS among PNI-positive patients with different infiltration of B cells and $\gamma\delta$ T cell in ZS-ICC cohort.
- K-M analysis of OS among PNI-negative patients with different infiltration of B cells and $\gamma\delta$ T cell in ZS-ICC cohort.