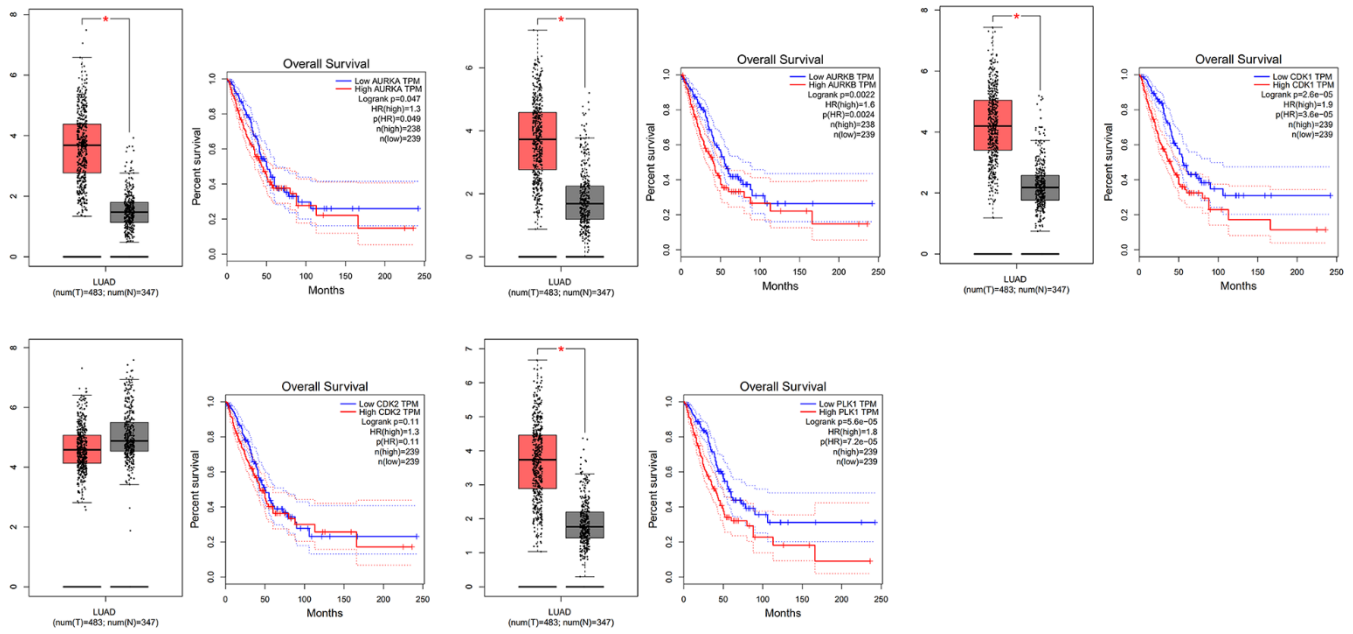
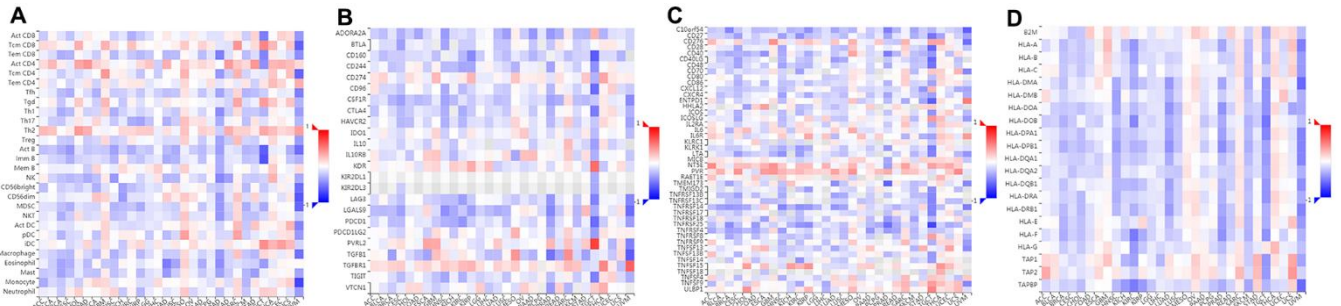


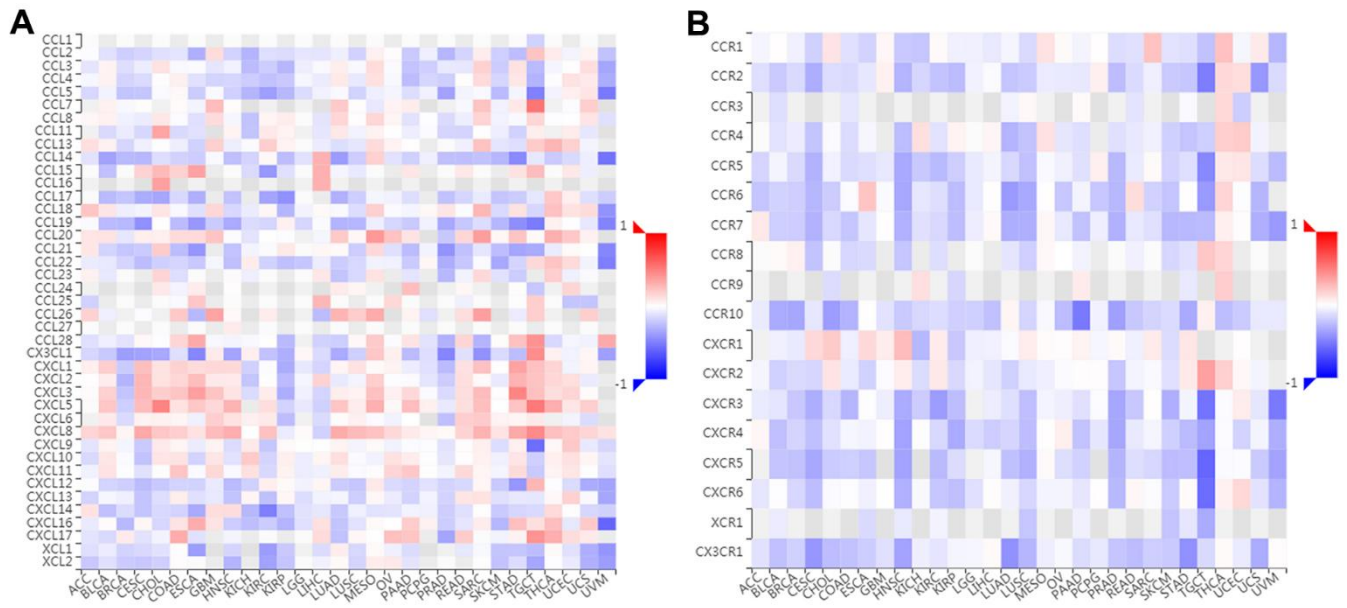
SUPPLEMENTARY FIGURES



Supplementary Figure 1. The expression and survival outcome of *GNPAT1*-associated top five most significant kinase in LUAD.



Supplementary Figure 2. The relationship between *GNPAT1* expression and immune cells, immunomodulators across different cancers. (A) *GNPAT1* expression correlated with immune cells infiltration level across different cancer types. (B) *GNPAT1* expression correlated with immunoinhibitors across different cancer types. (C) *GNPAT1* expression correlated with immunostimulators across different cancer types. (D) *GNPAT1* expression correlated with MHC molecules across different cancer types.



Supplementary Figure 3. The relationship between *GNPNAT1* expression and chemokines across different cancers. (A) *GNPNAT1* expression correlated with chemokines across different cancer types. (B) *GNPNAT1* expression correlated with chemokine receptors across different cancer types.