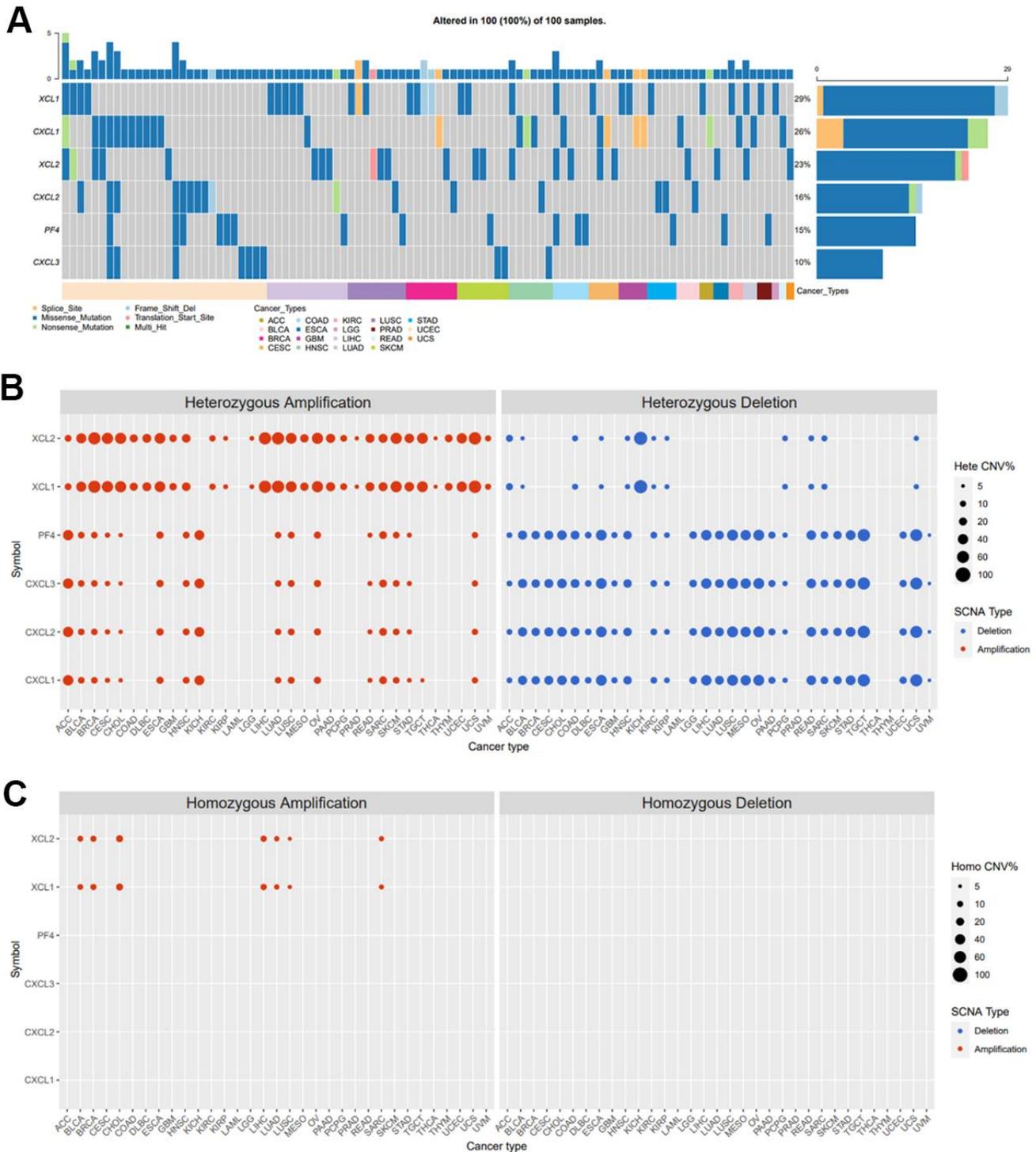
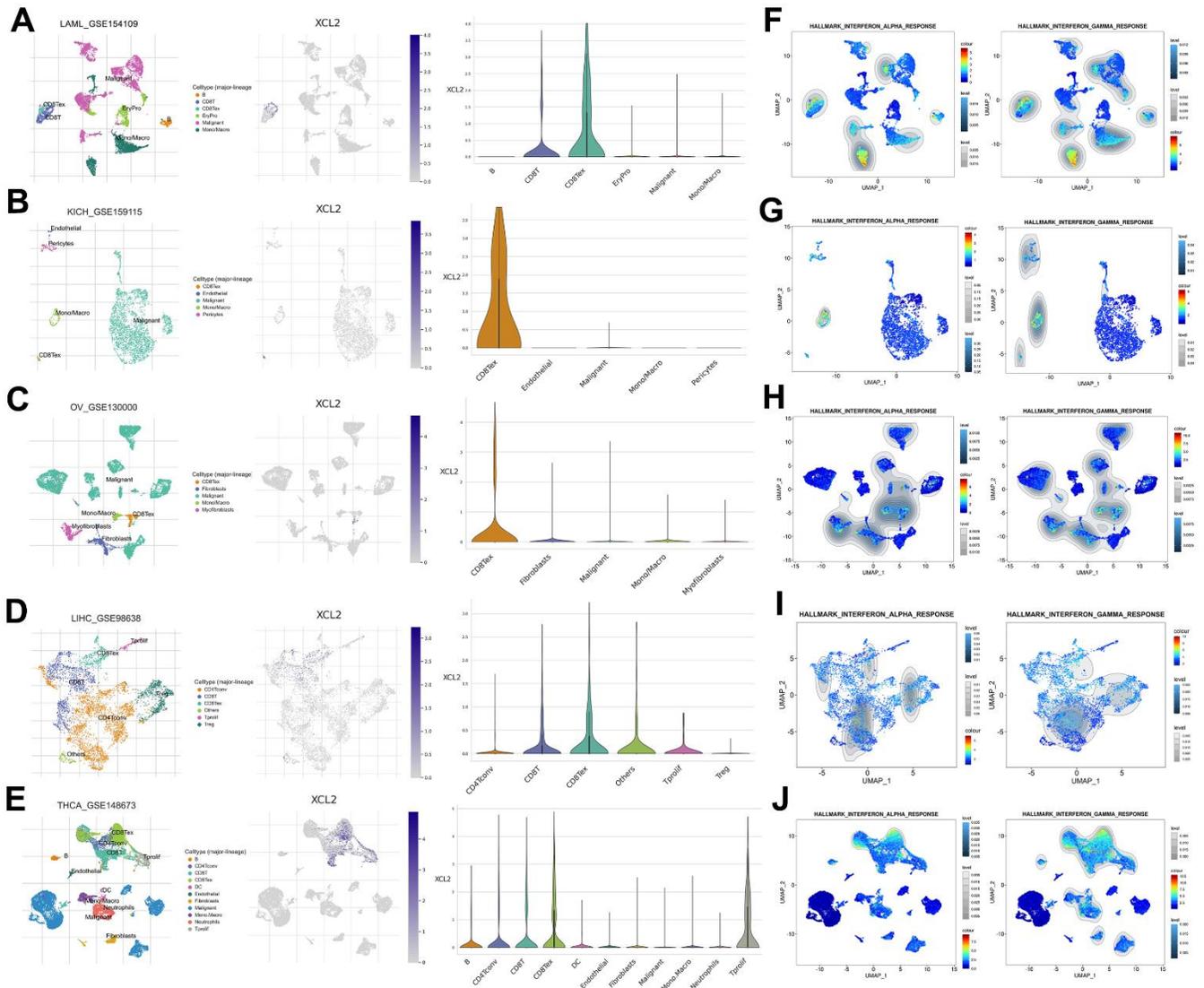


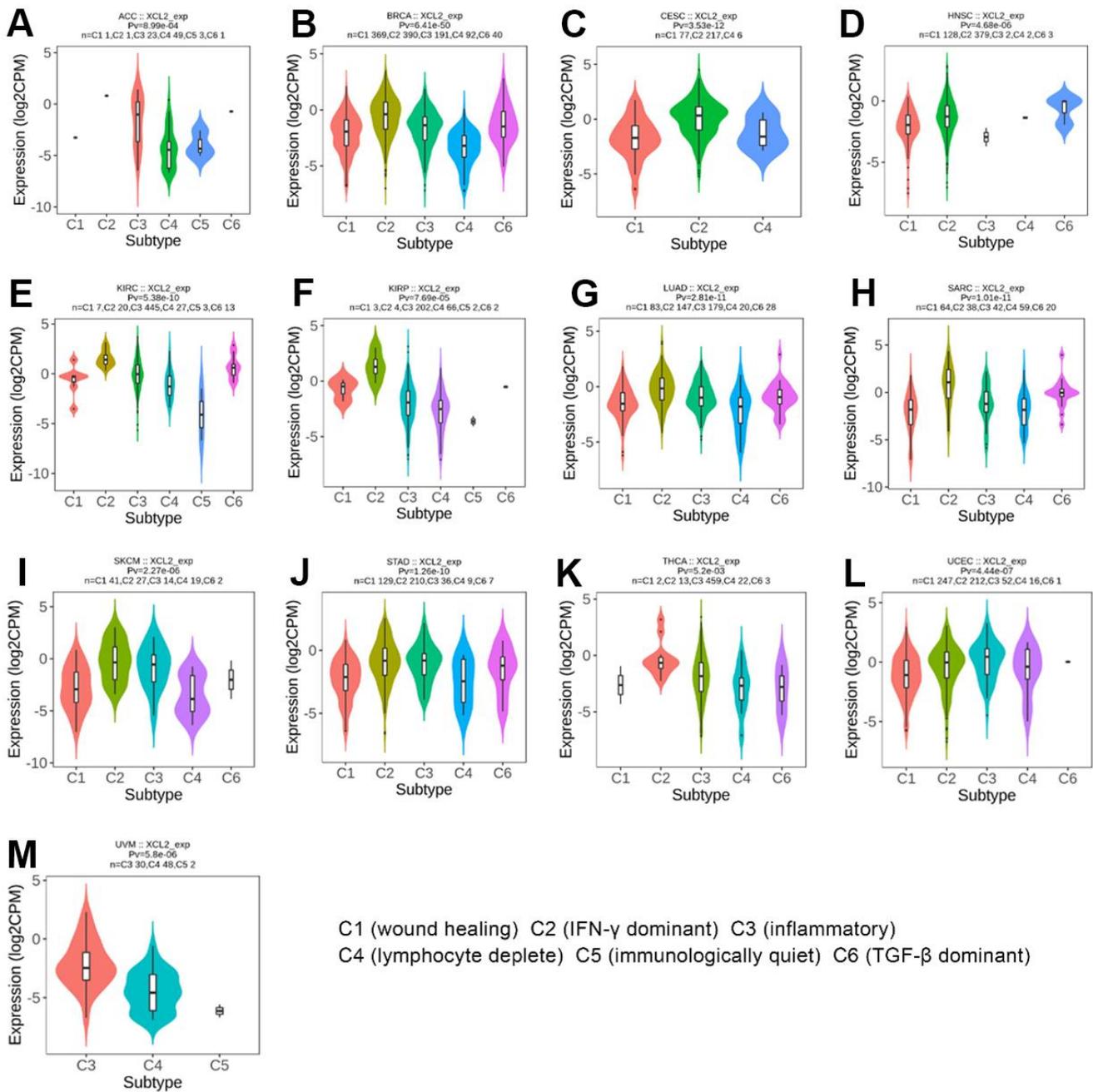
SUPPLEMENTARY FIGURES



Supplementary Figure 1. The gene mutation character of XCL2 in pan-cancer. (A) The SNV rate of XCL2 was 23% in 100 samples and they consisted of splice site, missense mutation and nonsense mutation; (B, C) The heterozygous amplifications and deletions of XCL2 were common in 33 cancer types; (D, E) The homozygous amplifications and deletions of XCL2 were common in 33 cancer types.



Supplementary Figure 2. The scRNA-seq results of XCL2 expression and single-cell signature explore in pan-cancers. The definition of cancer cells in LAML (A), KICH (B), OV (C), LIHC (D), THCA (E). Enrichment analysis of interferon alpha response and interferon gamma response in LAML (F), KICH (G), OV (H), LIHC (I) and THCA (J) single cell sequencing results.



Supplementary Figure 3. Correlations between XCL2 expression and immune subtypes in 13 cancers. (A) ACC, (B) BRCA, (C) CESC, (D) HNSC, (E) KIRC, (F) KIRP, (G) LUAD, (H) SARC, (I) SKCM, (J) STAD, (K) THCA, (L) UCEC, (M) UVM. C1 (wound healing), C2 (IFN-g dominant), C3 (inflammatory), C4 (lymphocyte deplete), C5 (immunologically quiet), and C6 (TGF-b dominant).