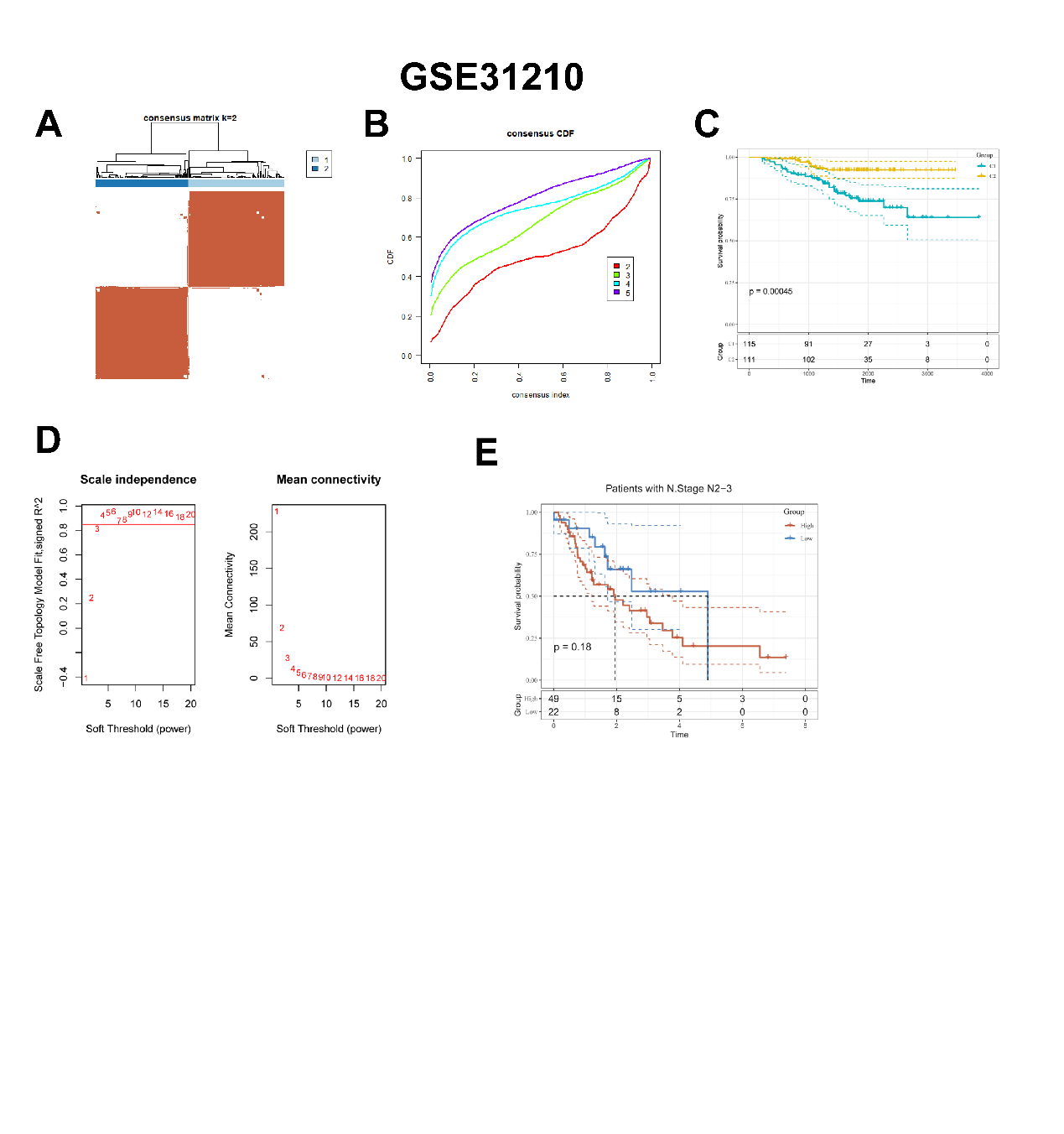
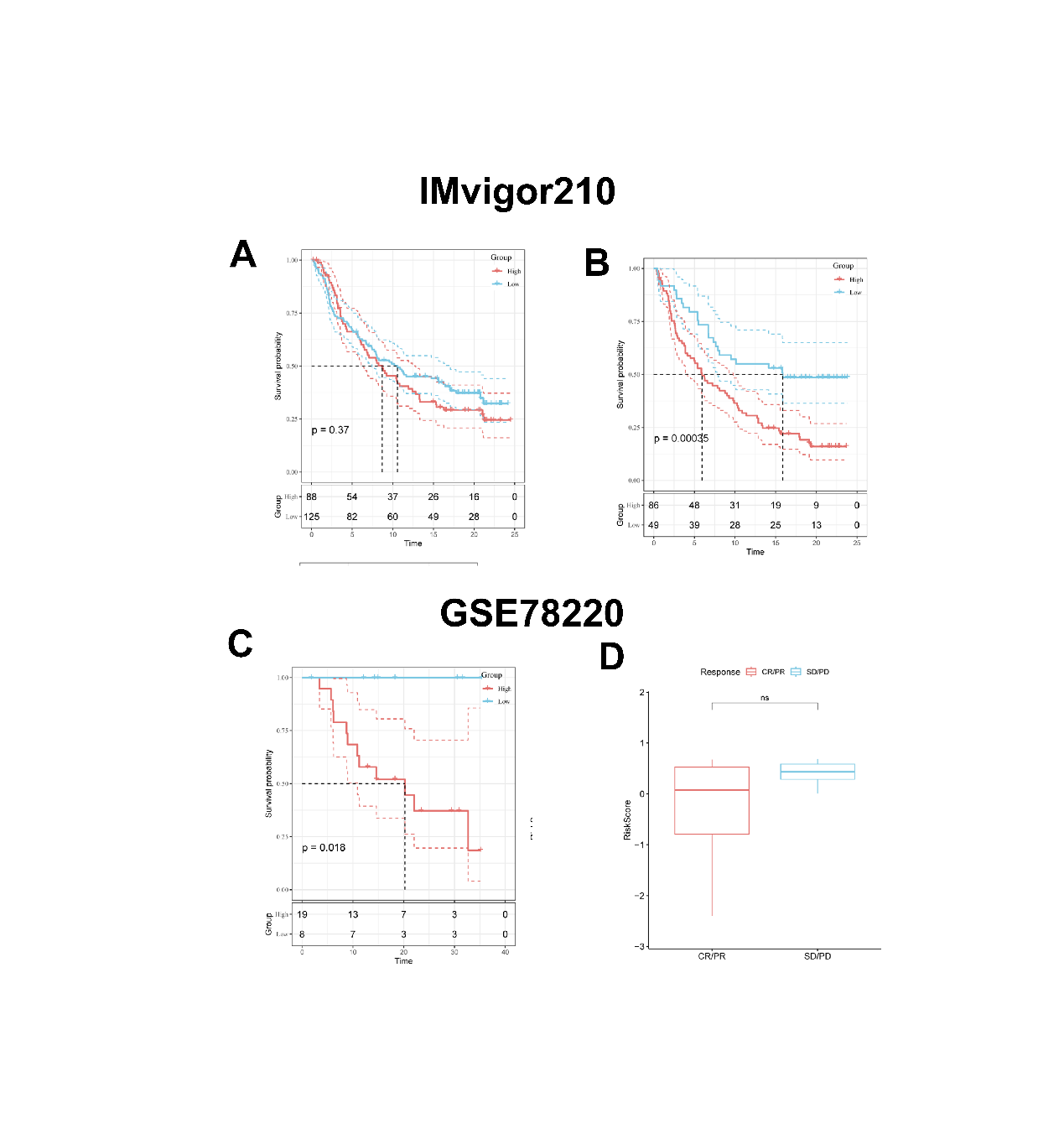
**Supplementary Figures:**



**Supplementary Figure.1**

**ConsensusClusterPlus and WGCNA identification of genes and km curves.**

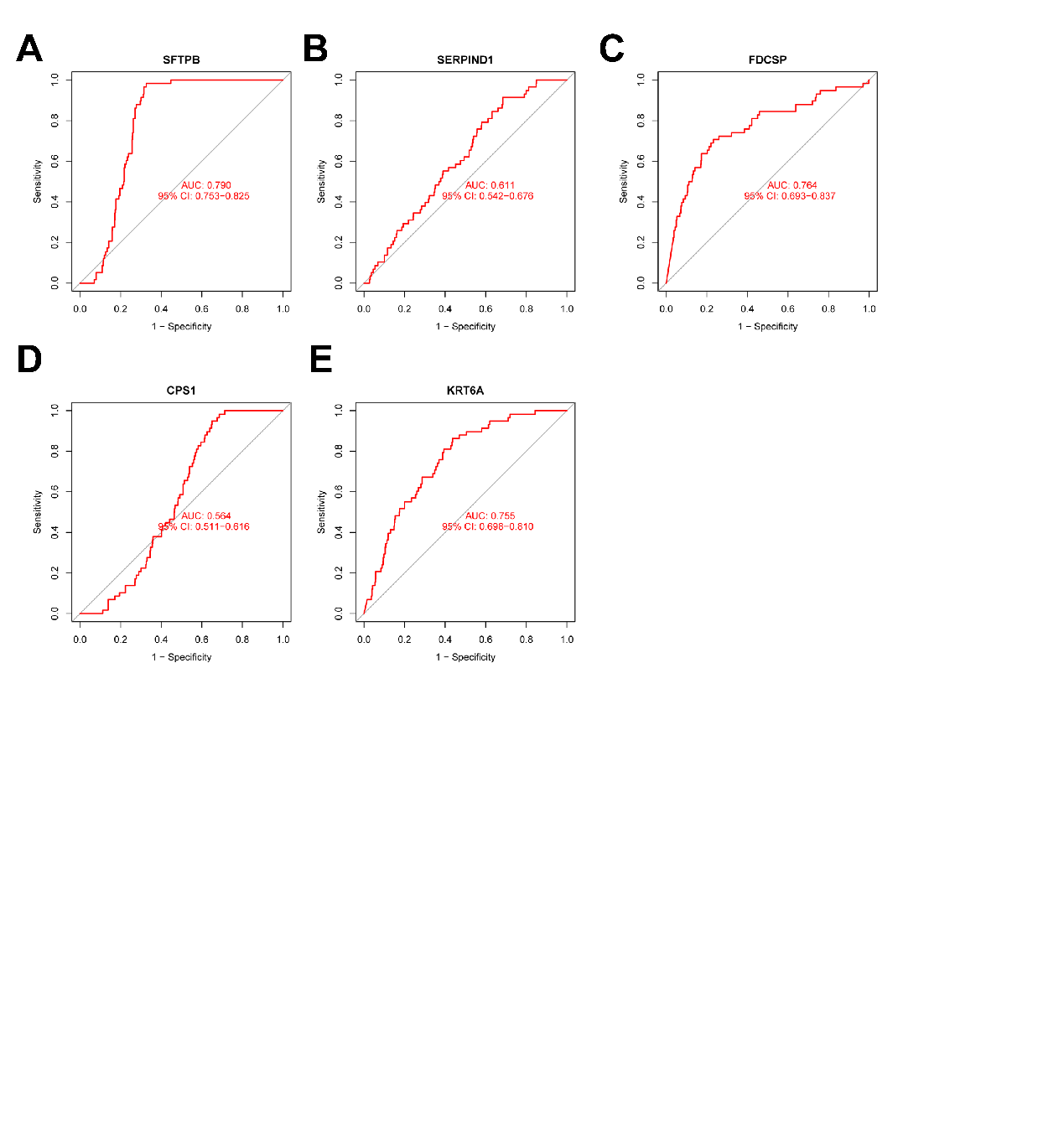
(A)Consensus heatmap matrix and correlation region for two clusters (k = 2) (B) indicates that clustering results are best at K = 2. (C) Survival analysis indicates that C2 has a better prognosis. (D)WGCNA Screening Soft Queering. (E) km curves for N.Stage N2 and N3 patients.



**Supplementary Figure.2**

**Immunotherapy for ICDRS.**

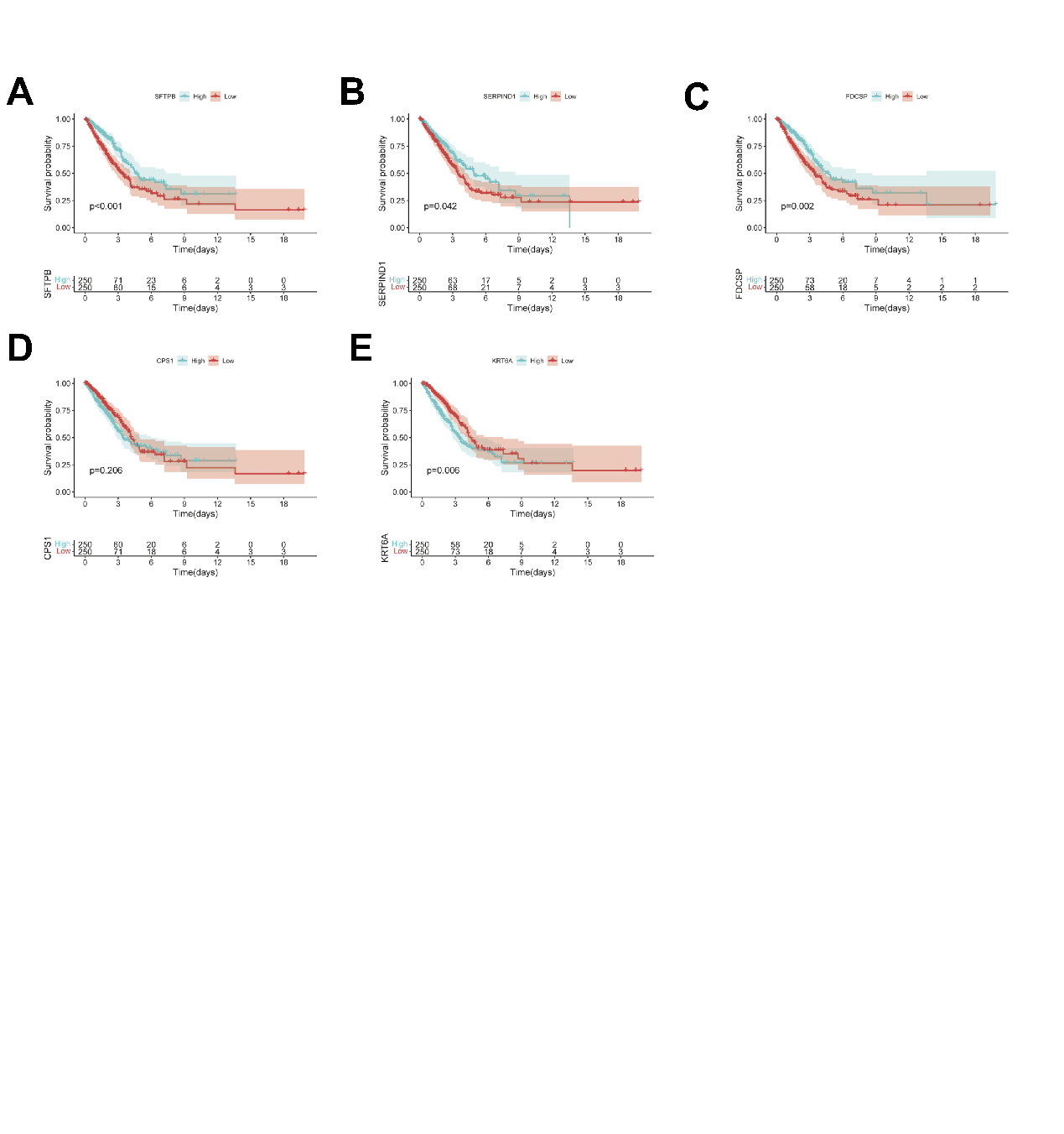
(A) IMvigor210 Stage I and II km curve. (B) IMvigor210 Stage III and IV km curve (C) The km curve of GSE78220. (D) Boxplot of GSE78220 Immunotherapy.



**Supplementary Figure.3**

**ROC diagnostic curve**

ROC diagnostic curve for the ICDRS gene including SFTPB(A),SERPIND1(B),FDCSP(C),CPS1(D),KRT6A(E).



**Supplementary Figure.4**

**KM survival curves for the ICDRS gene**

KM survival curves for the ICDRS gene including SFTPB(A),SERPIND1(B),FDCSP(C),CPS1(D),KRT6A(E).