

Figure S1.

A. The profile of classic characteristics of the two clusters based on hallmark genesets
 B. Gene enrichment analysis for PRGs based on immune geneset from the GO database

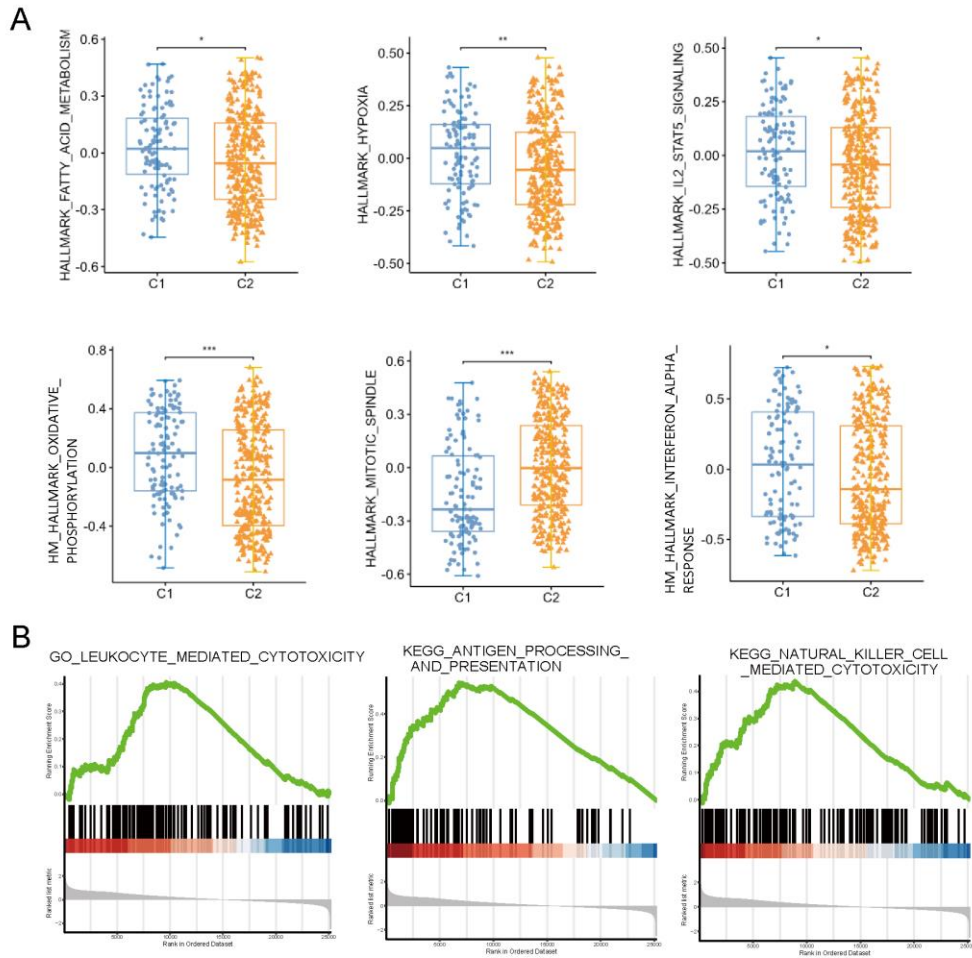


Figure S2. Multivariate cox regression analysis of OS for each key gene.

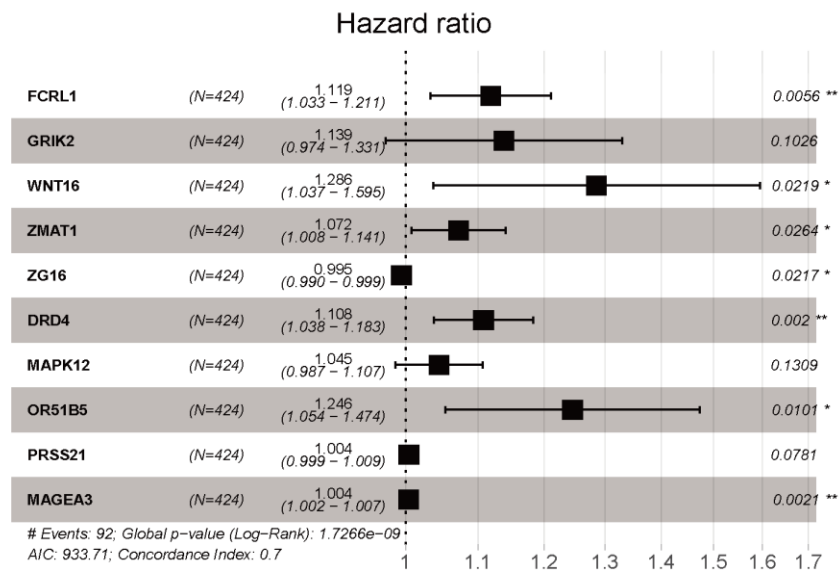


Figure S3. The correlation of immune cells and PR score based on TCIA

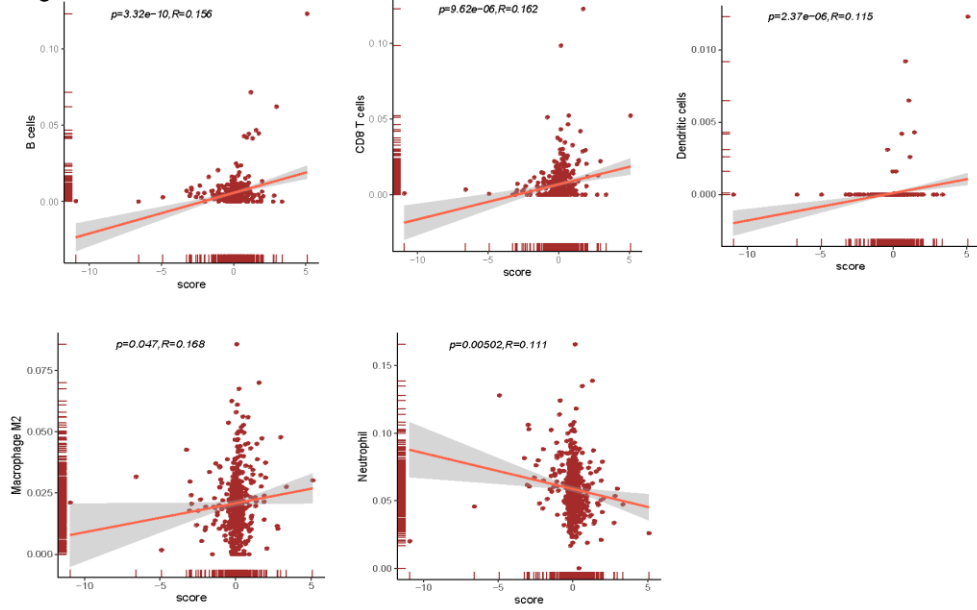


Figure S4 The differences of steps in immune cycle in two groups.

