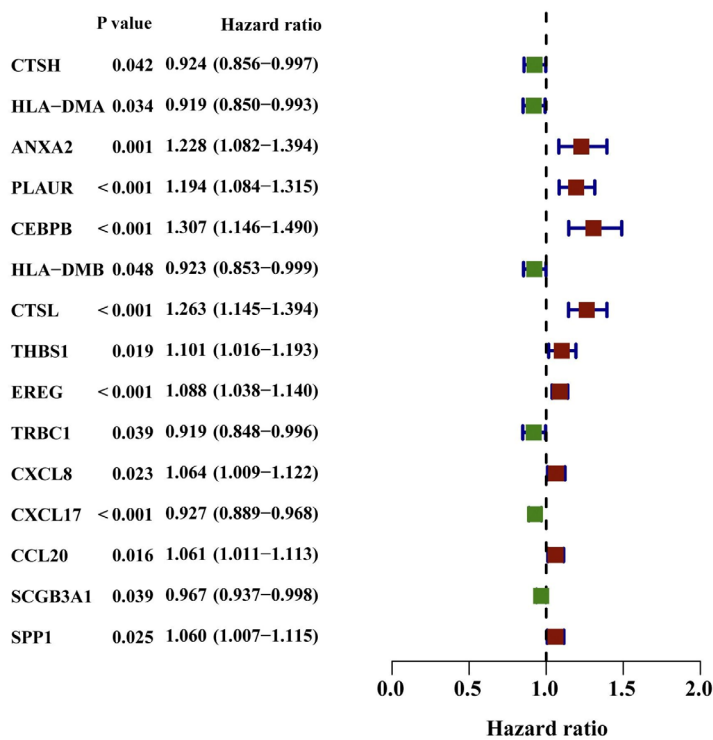
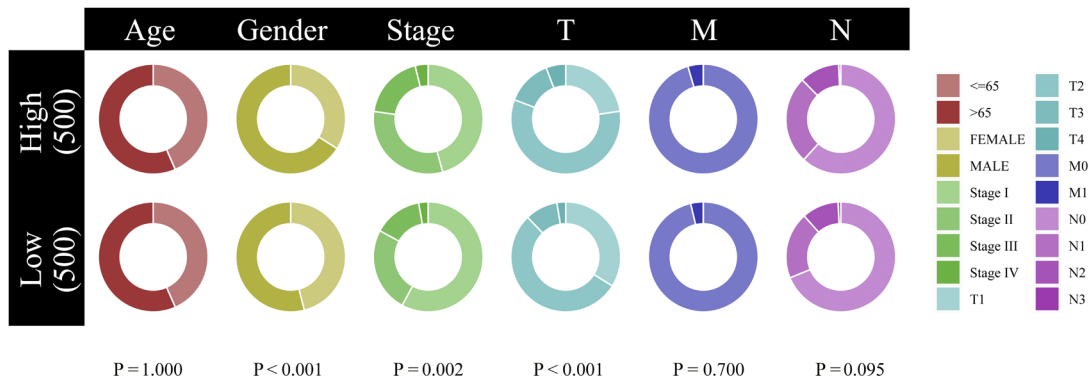


**Fig. S1. Venn Diagram of Overlap Between immune genes and CD8+T genes.** The circle in blue color represents 2533 immune-related genes from Immpport and InnateDB databases, while the circle in yellow color represents 220 differentially expressed genes. The overlapping referred to as NSCLC-associated TCMGs.



**Fig. S2. Forest Plot of Hazard Ratios for TCMGs in NSCLC.** Through univariate Cox regression, 15 TCMGs were found to be significantly associated with OS.



**Fig. S3. The clinical characteristics of the different risk subgroups in TCGA.** Each ring chart represents the proportion of each feature category within the high-risk and low-risk group. The statistical significance of the differences between the two groups for each feature is indicated by the p-values.