

Figure S1 The classification of the TMEcluster based on the proportion of infiltrated immune cells. (A) The K value identified by elbow method. The descent of the curve slows down when $k=3$. (B) The K value identified by gap statistic. Gap reaches the maximum value when $k=3$. (C) The consensus matrix of 477 samples for $k=3$, displaying the clustering stability using 1,000 iterations of hierarchical clustering. (D) The heat map of the scores of 22 immune cells in the TME clusters. TME, tumor microenvironment.

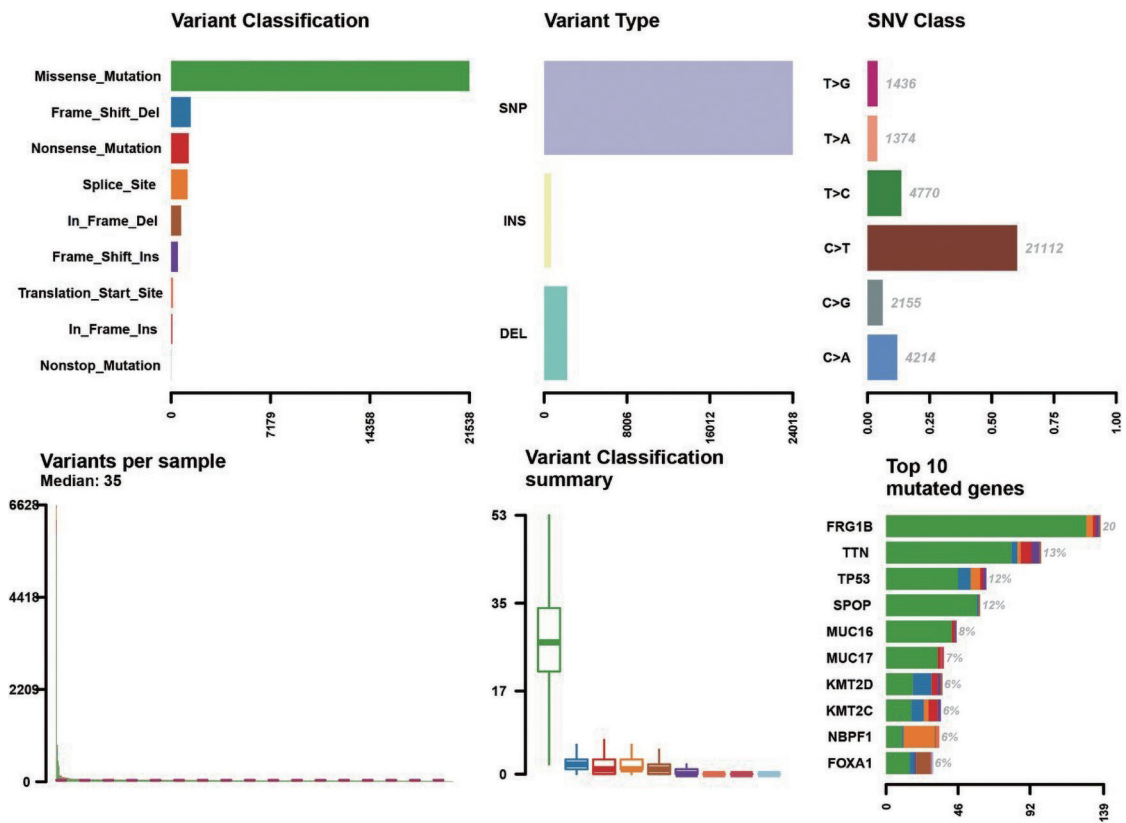


Figure S2 The overview of genetic characteristics of TCGA-PRAD.

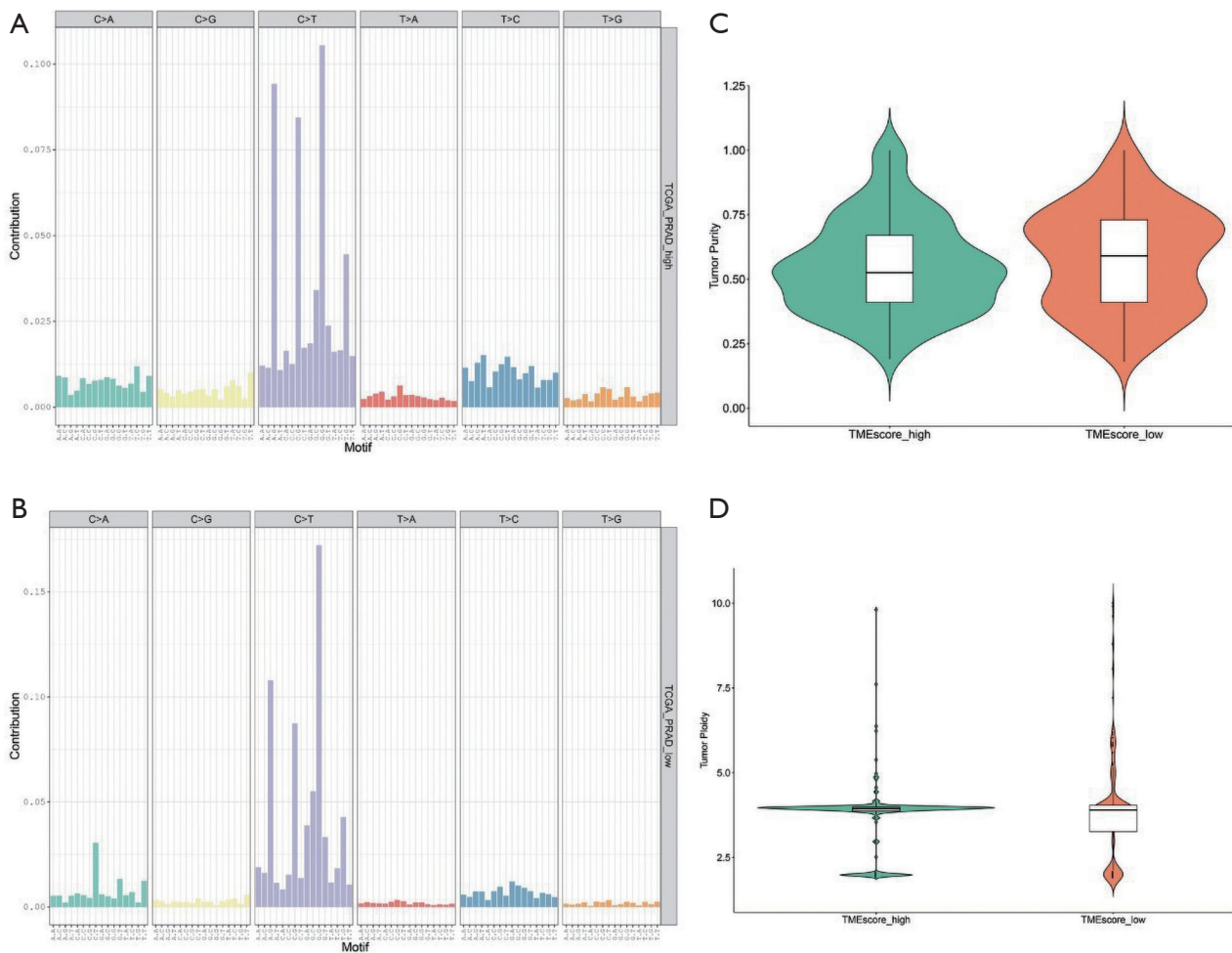


Figure S3 The frequency distribution of 96 base substitutions in the TMEscore high group (A) and TMEscore low group (B). (C) The tumor purity comparison of the TMEscore high and TMEscore low groups. (D) The tumor ploidy comparison of the TMEscore high and TMEscore low groups. TME, tumor microenvironment.