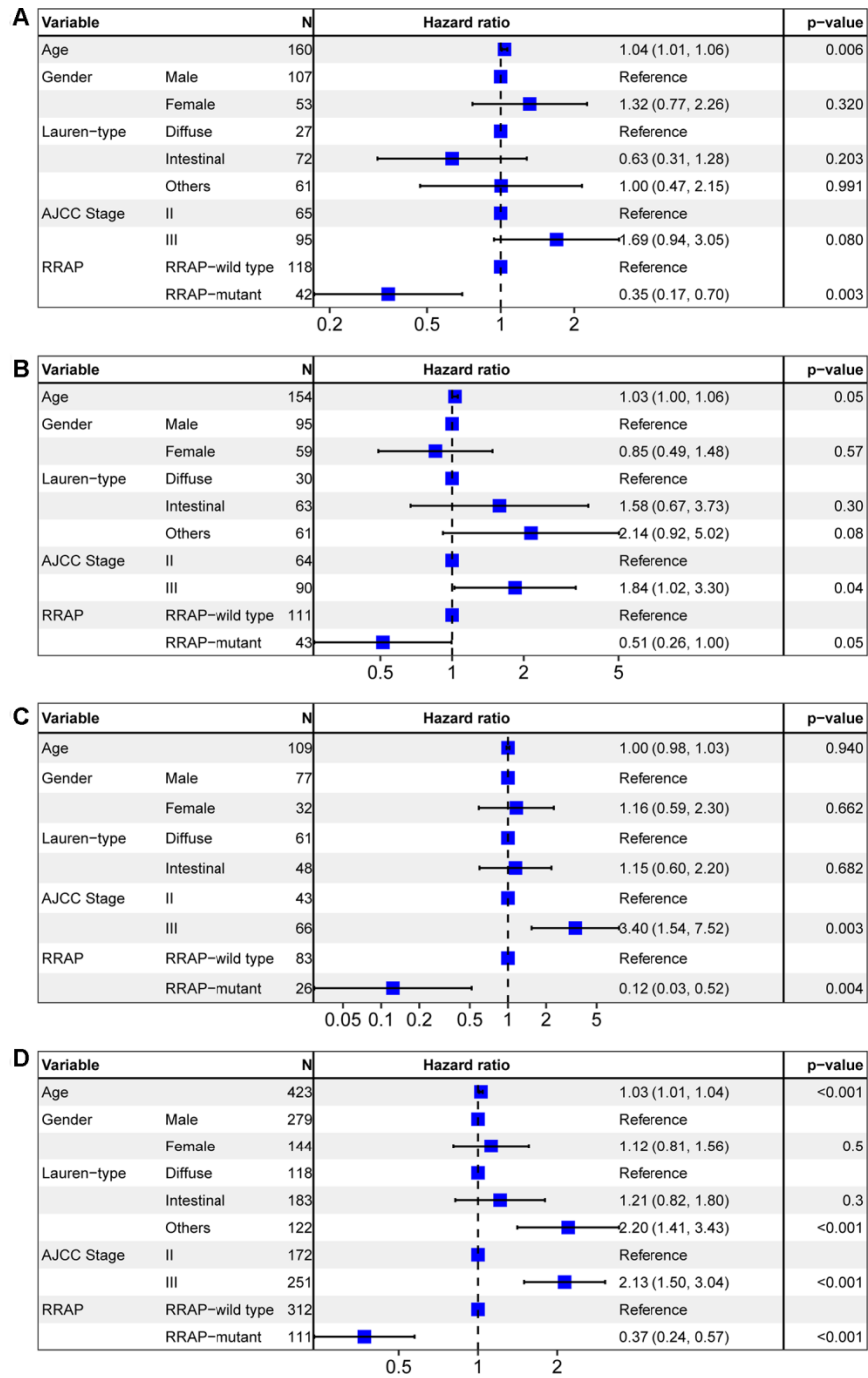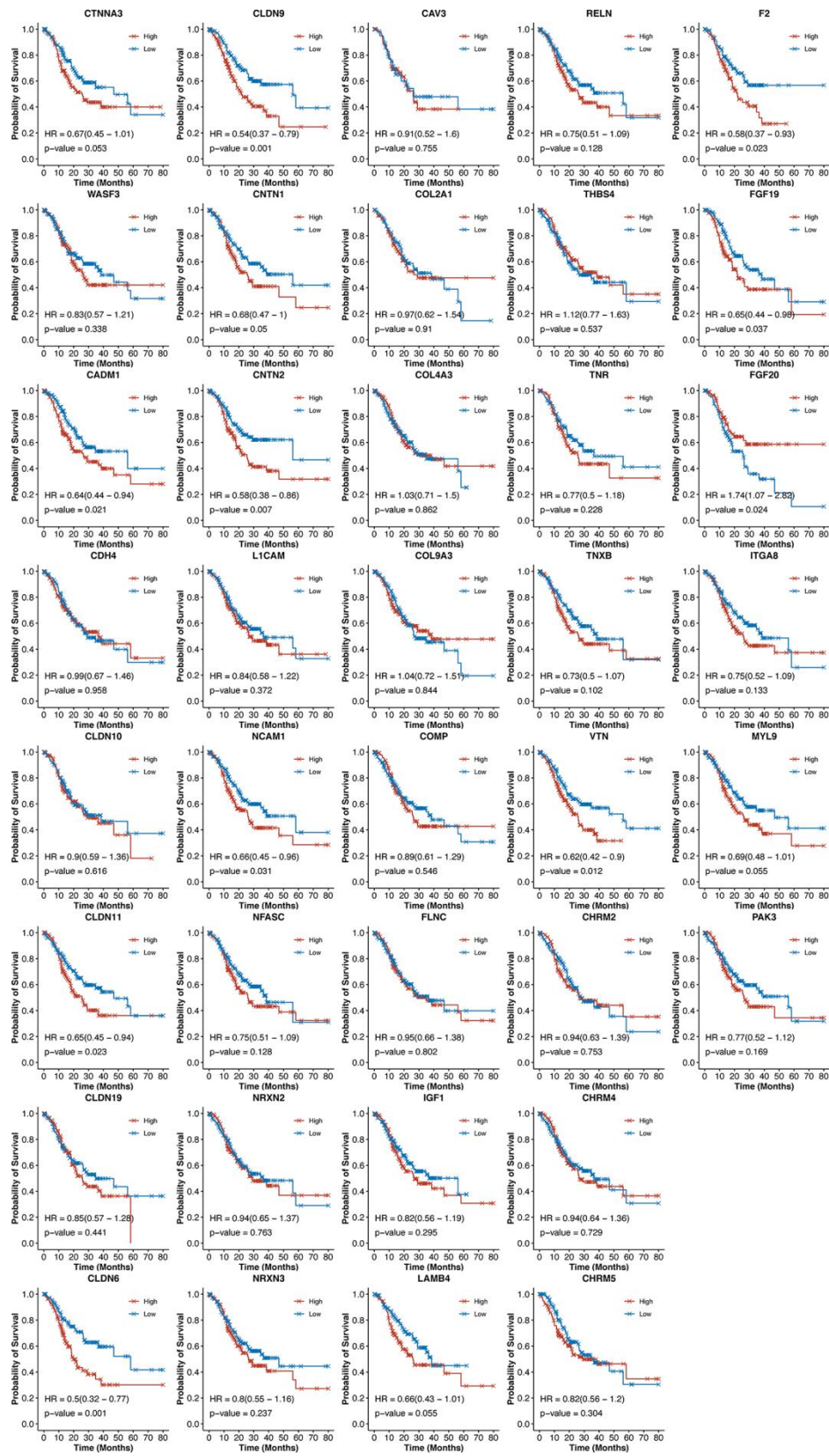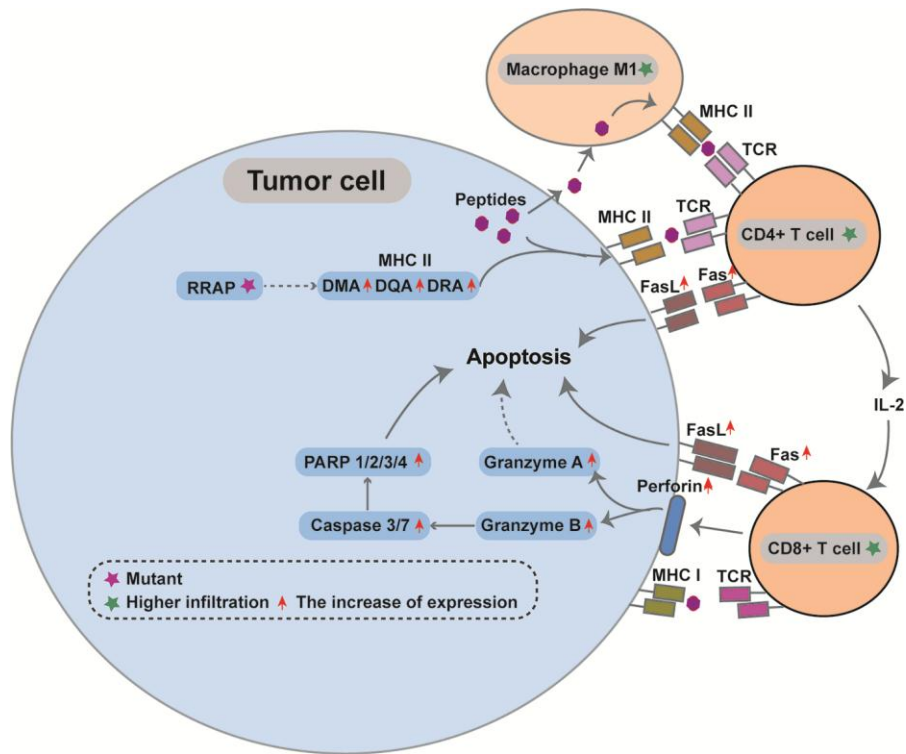# SUPPLEMENTARY FIGURES

Supplementary Figure 1. Multivariate Cox model analysis, with age, gender, Lauren type, AJCC stage, and RRAP as confounding factors, performed on the TCGA training cohort (**A**), TCGA validation cohort (**B**), CGC cohort (**C**), and the overall cohort containing merged data from the three cohorts (**D**).

Supplementary Figure 2. Kaplan-Meier overall survival curves for patients with high and low expression of 39 differentially expressed genes of the 4 migration-related functions. P-values were estimated with the log-rank test, and hazard ratios were estimated with the Cox model.

Supplementary Figure 3. Diagram of the interaction of immune cells and tumor cells in the RRAP-mutant tumor microenvironment.