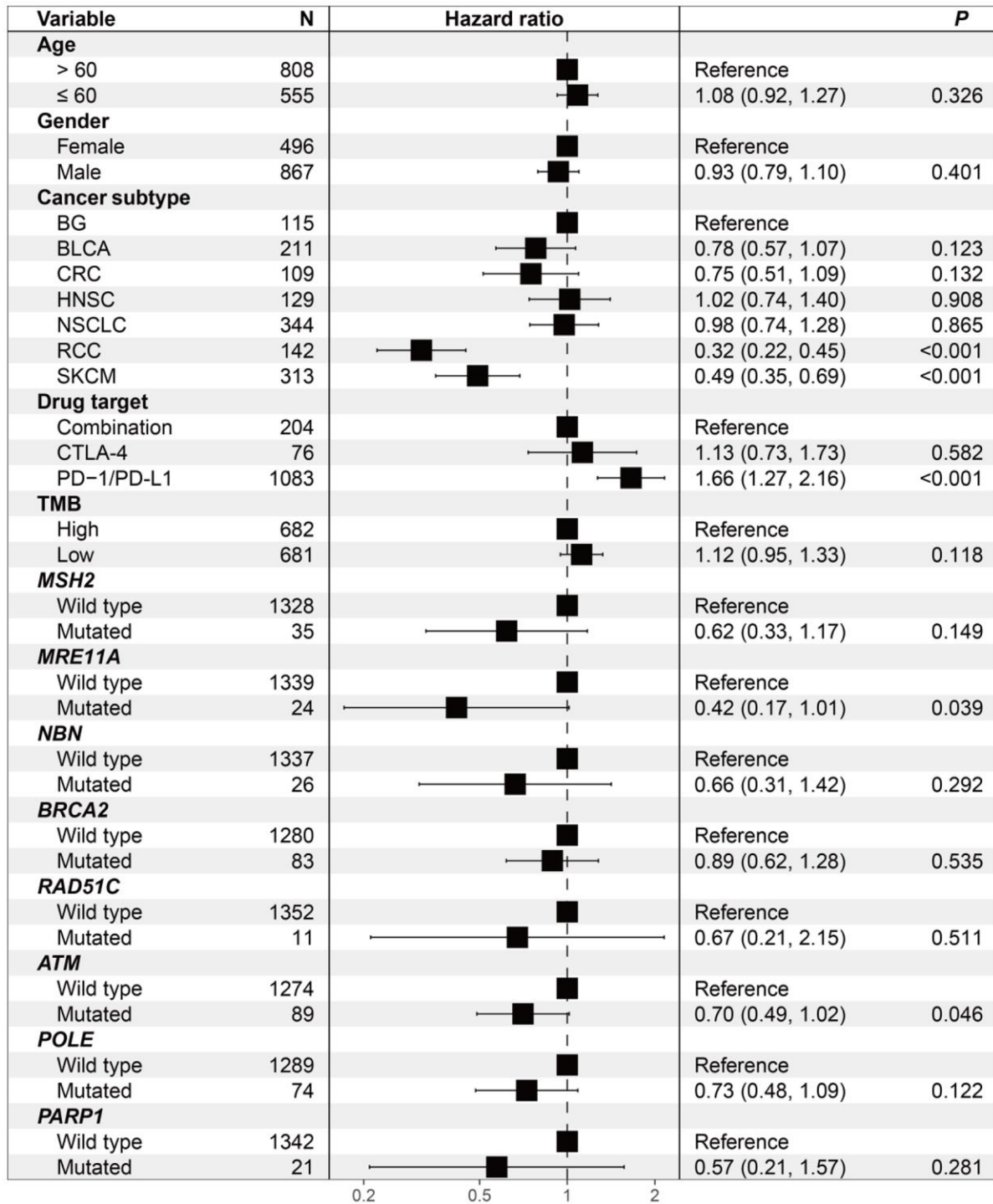
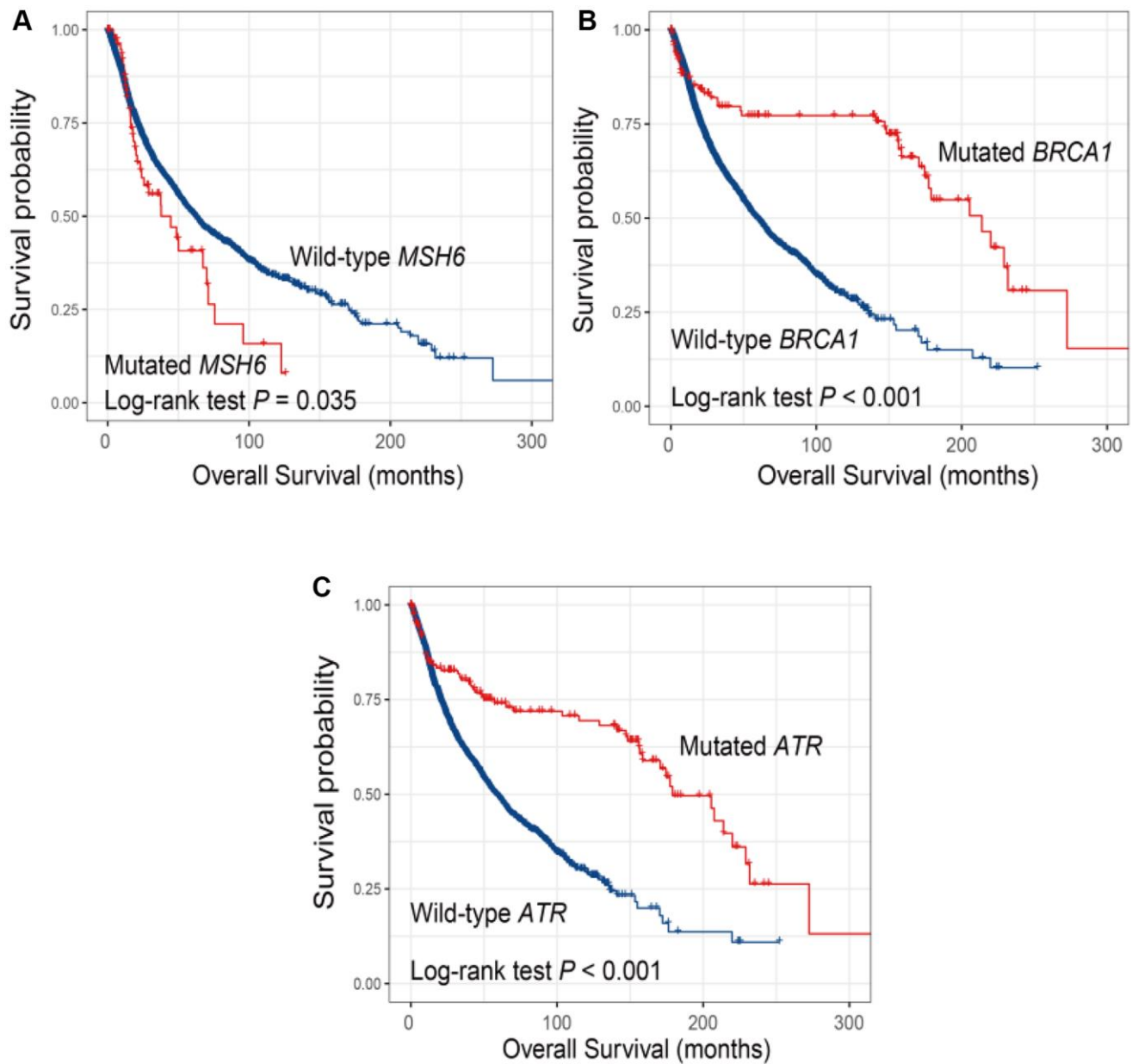


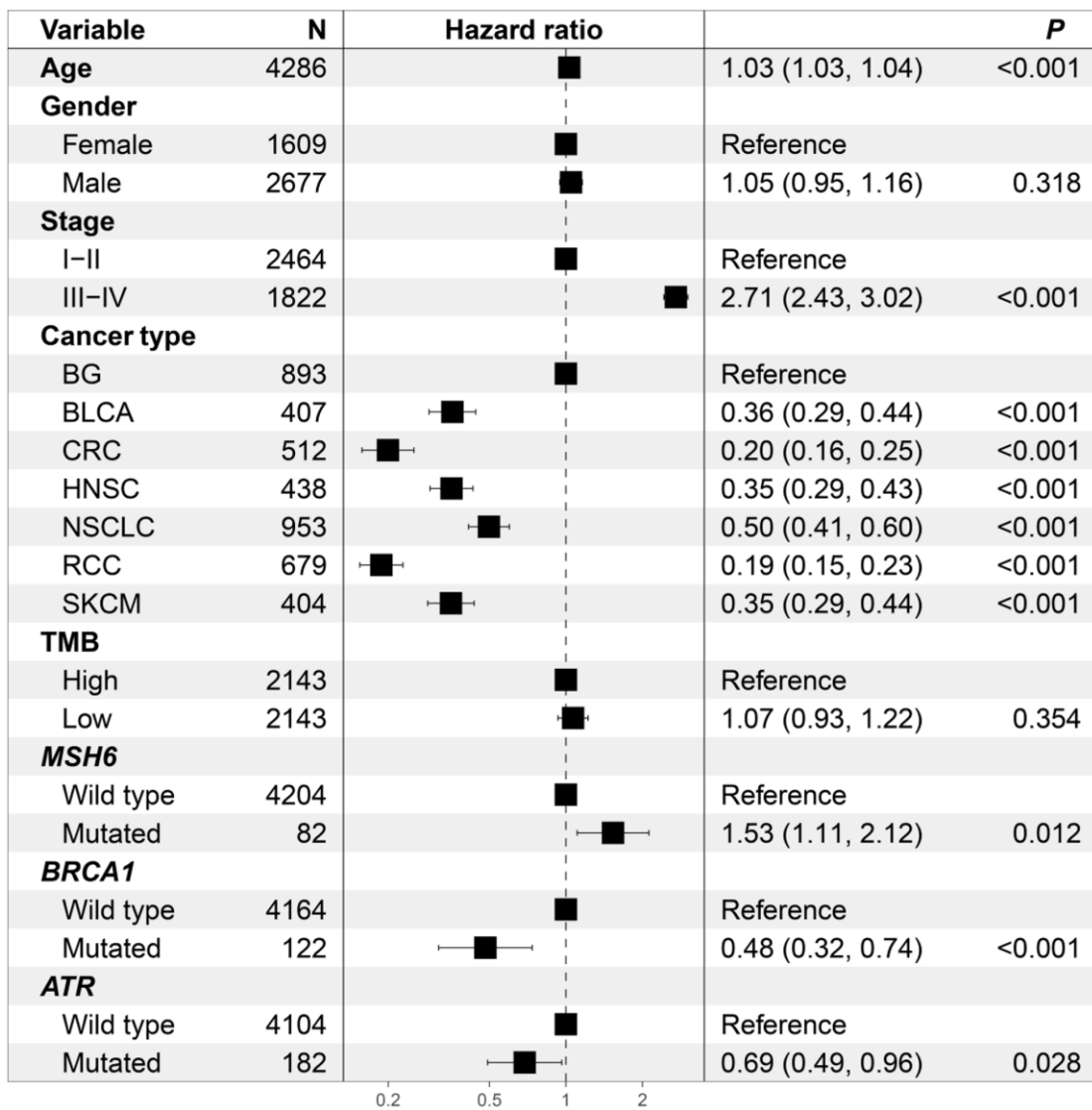
SUPPLEMENTARY FIGURES



Supplementary Figure 1. Multivariate Cox regression model was conducted with clinical confounding factors and identified 8 DDR genes mutations taken into consideration in the MSKCC cohort.



Supplementary Figure 2. Kaplan-Meier survival curves of mutations in 3 DDR genes in the TCGA cohort. Survival curves representation of mutations in (A) *MSH6*, (B) *BRCA1*, and (C) *ATR*.



Supplementary Figure 3. Multivariate Cox regression model was conducted with clinical confounding factors and identified 3 DDR genes mutations taken into consideration in the TCGA cohort.