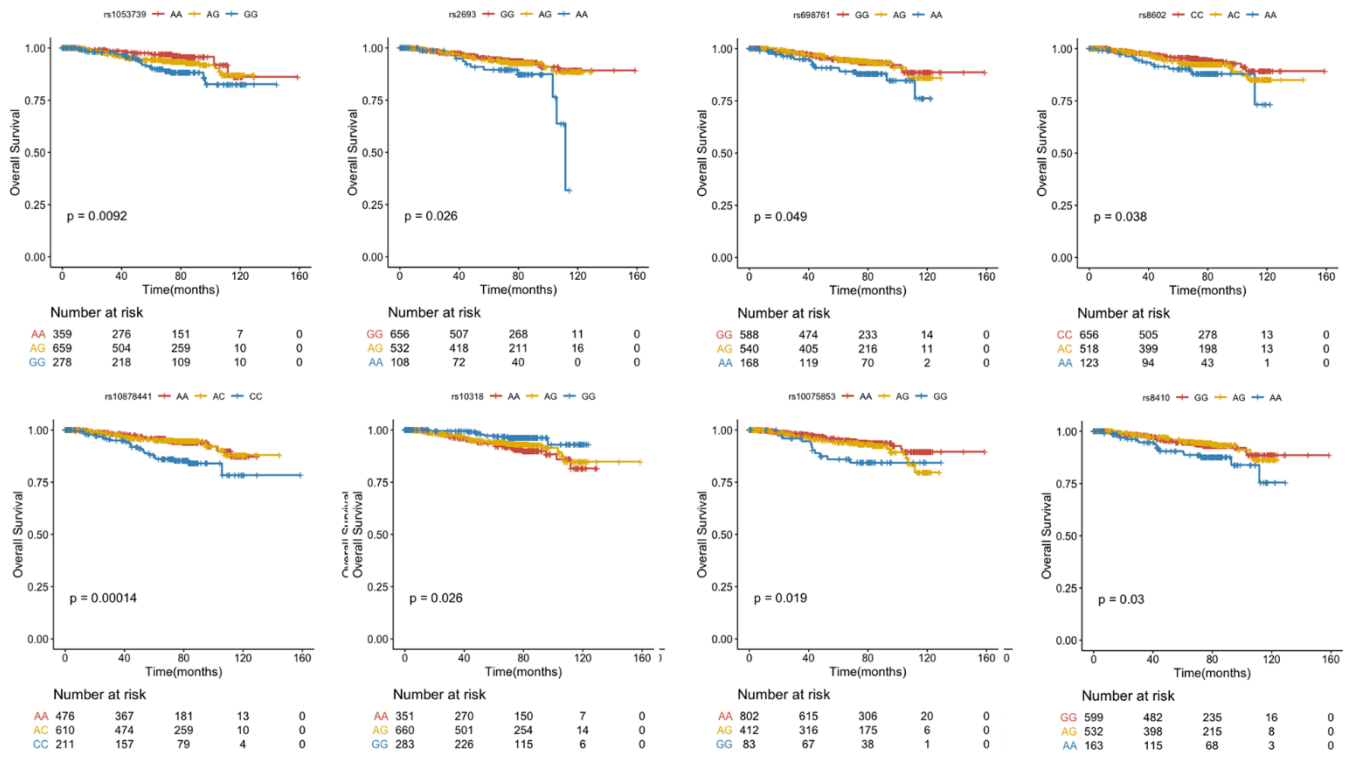
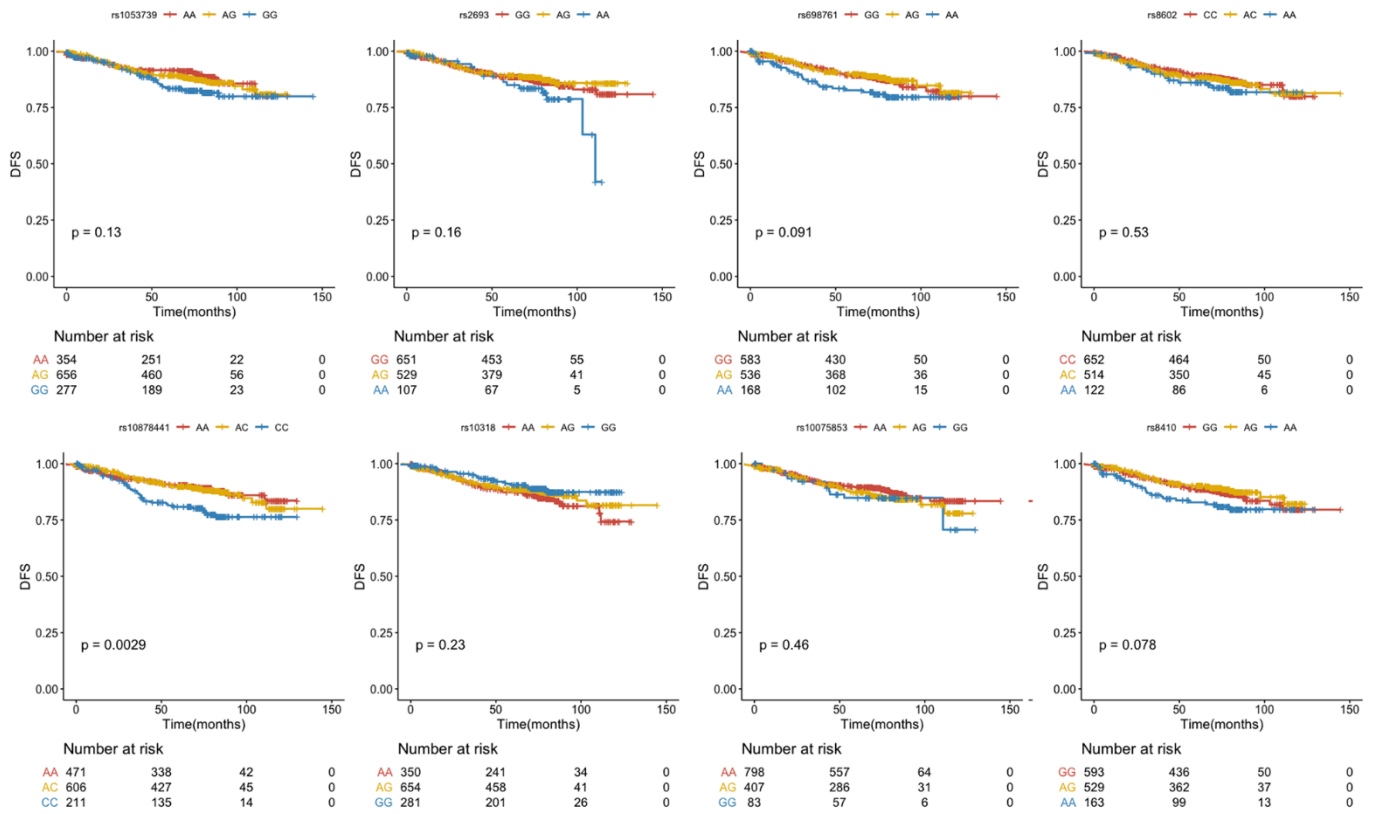


**SUPPLEMENTARY FIGURES**



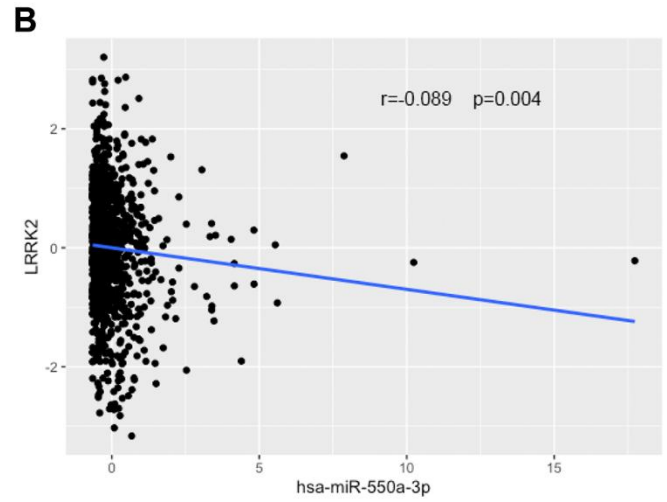
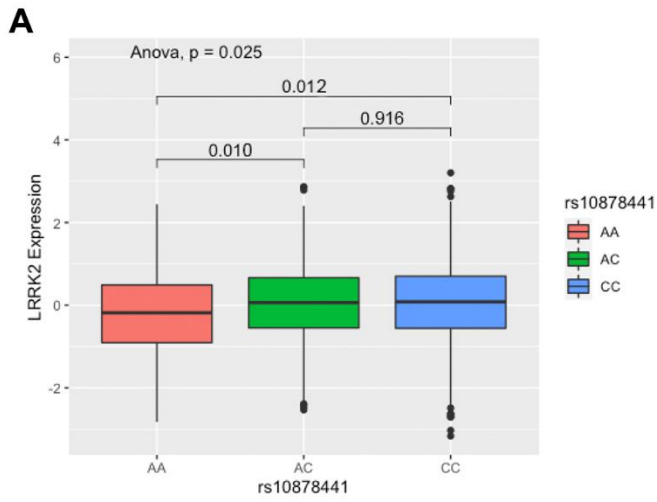
**Supplementary Figure 1. Association between 8 SNPs and breast cancer OS in stage I.**



Supplementary Figure 2. Association between 8 SNPs and breast cancer DFS in stage I.



Supplementary Figure 3. The duplex structure of hsa-miR-550\* and the 3'UTR of LRRK2 gene.



**Supplementary Figure 4. Expression analysis of TCGA data.** (A) The relationship between rs10878441 and LRRK2 gene expression. (B) The relationship between the expression of has-miR-550a-3p and the expression of LRRK2.