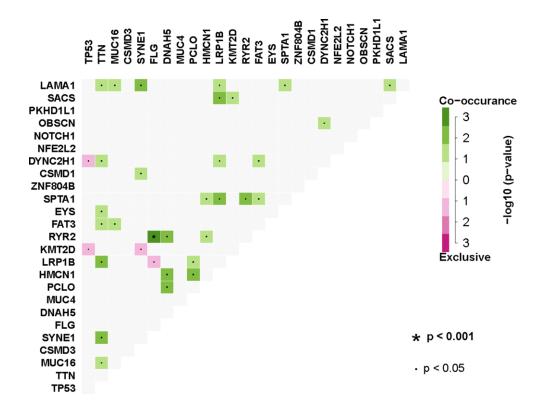
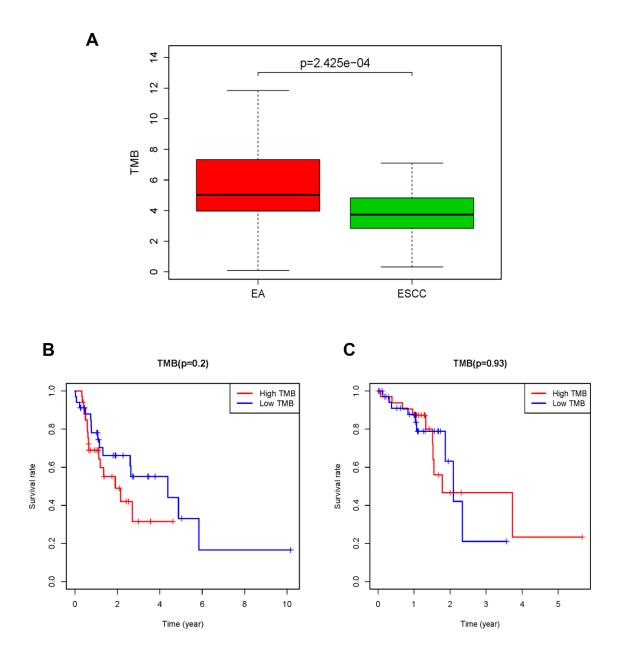


**Supplementary Figure 1. Gene cloudmap.** The size of the gene symbol represents the frequency of mutations.



Supplementary Figure 2. The coincident and exclusive associations across mutated genes.



**Supplementary Figure 3. The TMB level in different EC subtypes.** (A) The level of TMB in EA was significantly higher than that in ESCC; (B, C) There was no significant difference of OS between the 2 tumor subtypes.