Supplementary Fig. 1. Kaplan-Meier plot of overall survival according to the rs1005165C>T (A), rs967591G>A (B) rs735482A>C (C), rs3212986G>T (D) and rs11615G>A (E) genotypes in the stage I study, and the rs967591G>A (F) genotypes in the stage 2 validation study. *P-values, Log-Rank test (*P-values in A, B, C and F: in recessive models for the variant allele).

Supplementary Fig. 2. Luciferase activity according to rs967591G>A with E2 or 4-OHT treatment in H1299 cells. At 48h after transfection with CD3EAP promoter plasmid for luciferase assay, the H1299 cells were treated with ethanol (EtOH, vehicle control), 100nM 17β-estradiol (E2) (Sigma-Aldrich, St Louis, MO, USA) or 100nM anti-estrogens 4-hydroxytamoxifen (4-OHT) (Sigma-Aldrich, St Louis, MO, USA) for 1h. The luciferase activity was measured in each cell lysate.

Supplementary Fig. 3. The correlation between the CD3EAP gene copy number and mRNA expression. * Pearson correlation coefficient