



**Supplementary Figure 1.** Kaplan-Meier survival curve for AT-rich interactive domain 1A (ARID1A) according to the luminal B, human epidermal growth factor receptor 2 (HER2), and triple-negative breast cancer (TNBC) subtype. (A) Disease-free survival ( $p=0.874$ ) and (B) overall survival ( $p=0.313$ ) in patients with in luminal B, HER2 negative type ( $n=76$ ). (C) Disease-free survival ( $p=0.238$ ) and (D) overall survival ( $p=0.067$ ) in patients with in luminal B, HER2 positive type ( $n=37$ ). (E) Disease-free survival ( $p=0.016$ ) and (F) overall survival ( $p=0.087$ ) in patients with in HER2 type ( $n=46$ ). (G) Disease-free survival ( $p=0.144$ ) and (H) overall survival ( $p=0.114$ ) in patients with in TNBC basal type ( $n=81$ ). (I) Disease-free survival ( $p=0.258$ ) and (J) overall survival ( $p=0.408$ ) in patients with in TNBC nonbasal type ( $n=31$ ).