**Suppl 5.** Verification of the special expression of DEGs identified via transcriptomic analysis in A2780, HeLa, Huh7, MBA-MD-231 and SW480 cells via real-time PCR. These cells were pretreated with UBCS039 and then cultured with CD4+ T cells. Cells treated with DMSO were used as controls. The mRNA levels of BASP1, CPS1, GNG11, MFAP5, NNMT and SMOC1 were significantly lower, and the levels of FOXA2, GSTP1, HSPA1, RASEF and ZNF844 were significantly greater in the cocultured tumor cells following UBCS039 treatment. \*Represents a P value less than 0.05, \*\*less than 0.01, \*\*\*less than 0.001, and \*\*\*\*less than 0.0001.

