



Fig. S1

Fig. S1 Identification of the expression and prognosis of the rs2075570 target gene UBAP2L in gastric cancer. (A) The Violin plots were used to show the other three genes associated with the risk SNP rs2075570. These genes were identified from eQTL analysis and included 2 protein genes (GBA and THBS3) and 1 RNA gene (RUSC1-AS1). (B) The mRNA expression of GBA and THBS3 and the RNA expression of RUSC1-AS1 in 408 gastric cancer tissues and 36 normal gastric tissues from the TCGA database were calculated by GEPIA (<http://gepia.cancer-pku.cn>) (GBA: P=0.27, $\log_2\text{FC}$ =0.147;

THBS3: $P=0.53$, $\log_2FC=0.111$; RUSC1-AS1: $P=8.87 \times 10^{-8}$, $\log_2FC=0.974$). (C) Kaplan-Meier analysis by the Kmpplot database revealed a negative correlation between UBAP2L and overall survival (OS) in 876 gastric cancer patients. (D) Kaplan-Meier analysis revealed no correlation between RUSC1-AS1 and overall survival (OS) in 384 patients with gastric cancer (<http://gepia.cancer-pku.cn>).