

Supplementary information, Figure S5

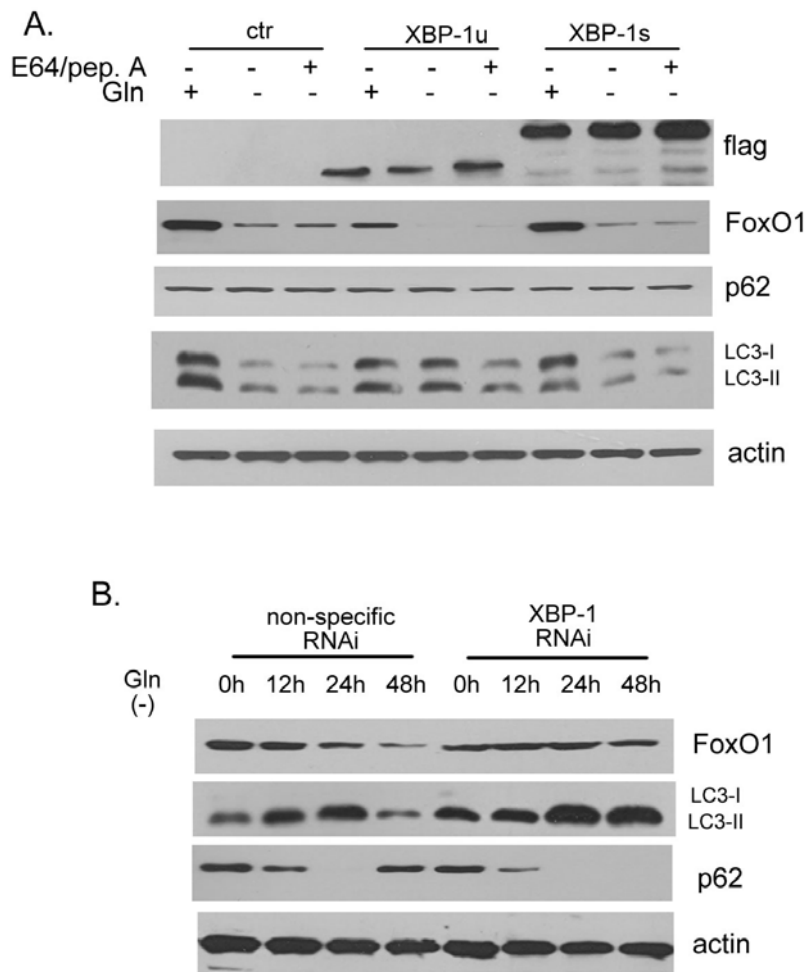


Figure S5 Downregulation of XBP-1u induces autophagy. **(A)** HCT116 cells were transfected with a control plasmid or a plasmid encoding Flag-XBP-1u or Flag-XBP-1s. 24 h after transfection, the cells were subjected to glutamine starvation for 48 h in the presence or absence of E64/pepstatin A. The cell lysates were extracted and immunoblotted with anti-flag, anti-FoxO1, anti-LC3, anti-p62 or anti- β -actin antibodies. **(B)** XBP-1 RNAi oligo or a non-specific RNAi was designed and transfected into HCT116 cells. These cells were incubated in glutamine-free medium for up to 48 h. Protein was extracted for western blotting to determine FoxO1 expression, p62 degradation, and LC3 cleavage.