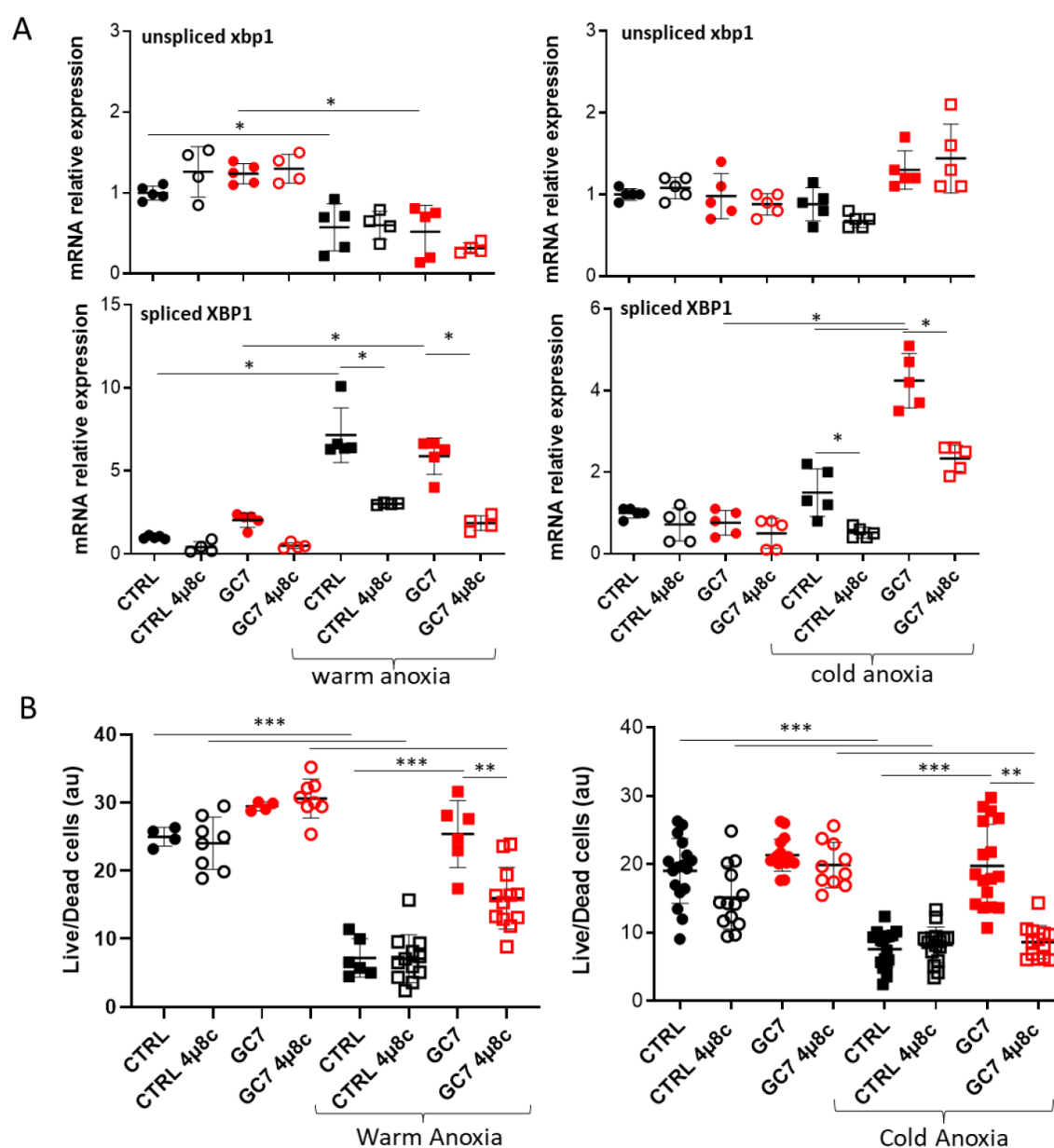


Supplementary figure S2: GC7 increases XBP1 splicing and BIP expression under mild hypoxia. PCT cells pretreated for 8 hours either with a vehicle or with 30 μ M GC7 and 24 hours later, exposed to normoxia or mild hypoxia (1% O₂) for 24h. At the end of the experiment, mRNA (A) and protein (B) expressions were measured. A) Scatter plot representation of individual values along with mean \pm SD for *bip*, *edem* and the ratio spliced/unsliced *xbp1* mRNA. B) Representative western blots of BiP and PDI protein levels along with the scatter plot representation of individual values with mean \pm SD for respective blots. * = $p \leq 0.01$; ** = $p \leq 0.001$; *** = $p \leq 0.0001$.



Supplementary figure S3: Impact of 4 μ 8c treatment on survival and splicing of XBP1. PCT cells pretreated for 8 hours either with a vehicle or with 30 μ M GC7 and 24 hours later, exposed to either warm anoxia ($\leq 0.1\%$ O₂ at 37°C for 24h) or cold anoxia ($\leq 0.1\%$ O₂, 4°C, for 16 h), in presence or not of 1 μ M IRE-1 α inhibitors, 4 μ 8c. At the end of the experiment, (A) mRNA expressions of spliced and unspliced *xbp1* were determined and used to calculate the ratio displayed in Figure 6, and (B) cell viability was evaluated using a live/dead fluorescence assay to evaluate survival rate displayed in figure 5. Scatter plot representation of individual values along with mean \pm SD. * = $p \leq 0.01$; ** = $p \leq 0.001$; *** = $p \leq 0.0001$.