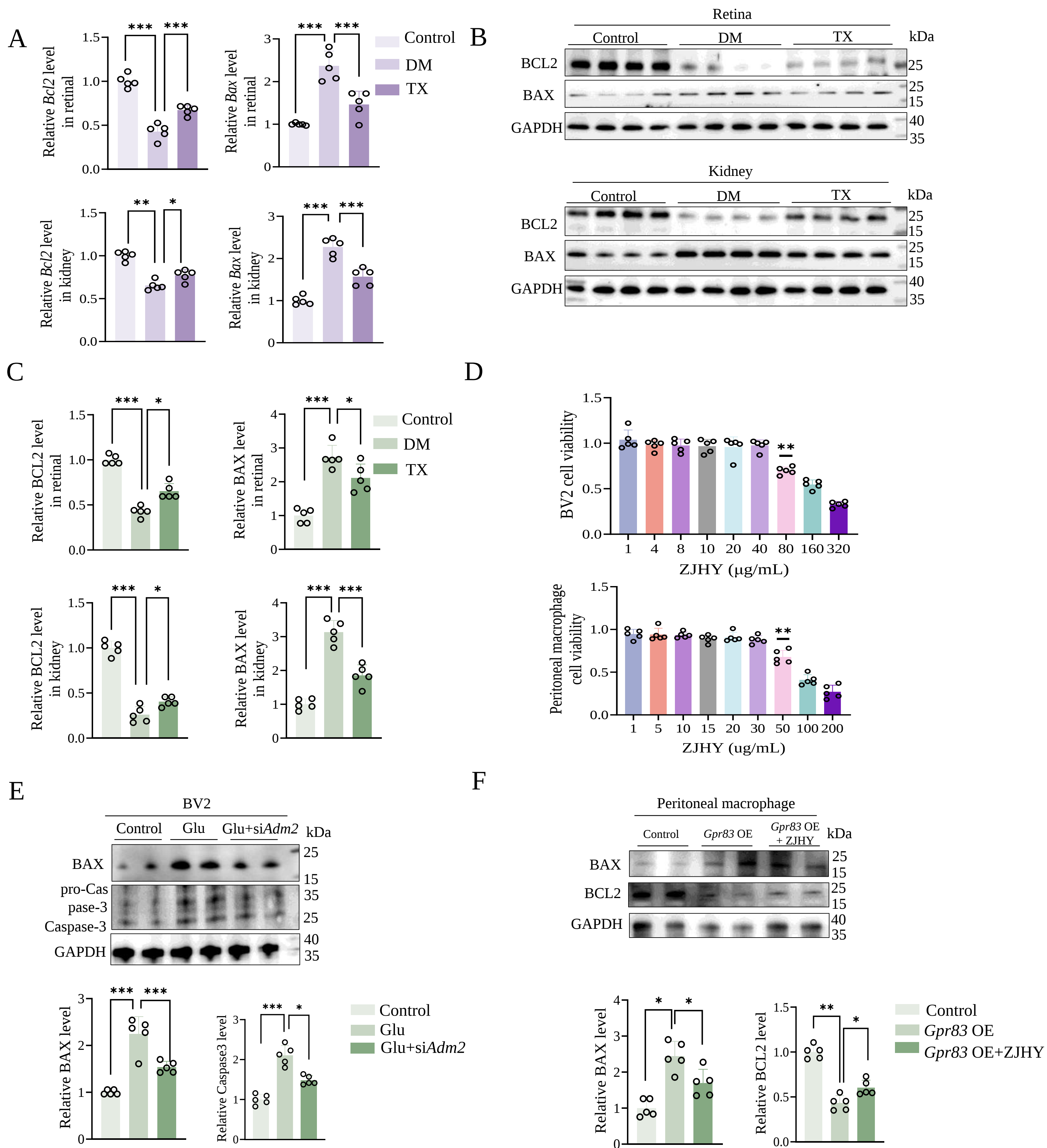




Supplementary Figure 1 Effects of ZJHY on apoptosis and cell viability

(A) Relative mRNA expression of *Bcl2*, and *Bax* in retinas and kidneys (n=5 per group). (B, C) Western blot analysis of BCL2 and BAX protein levels in retinal and kidney (n=5 per group). (D) CCK-8 assay identified 40 $\mu\text{g/ml}$ as the non-toxic working concentration of ZJHY in BV2 cells, 30 $\mu\text{g/ml}$ as the non-toxic working concentration of ZJHY in primary macrophages cells (n=5 per group). (E) Western blot analysis of BAX, pro-Cas, pasc-3 and Caspase-3 protein levels in BV2 cells under Glu with *siAdm2* transfection (n=5 per group). (F) Western blot analysis of BAX and BCL2 protein levels in Peritoneal macrophage cells under *Gpr83* OE with ZJHY (n=5 per group). Data are presented as mean $\pm$ SD. Statistical significance was determined by one-way ANOVA with Tukey's post-hoc test (* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$).