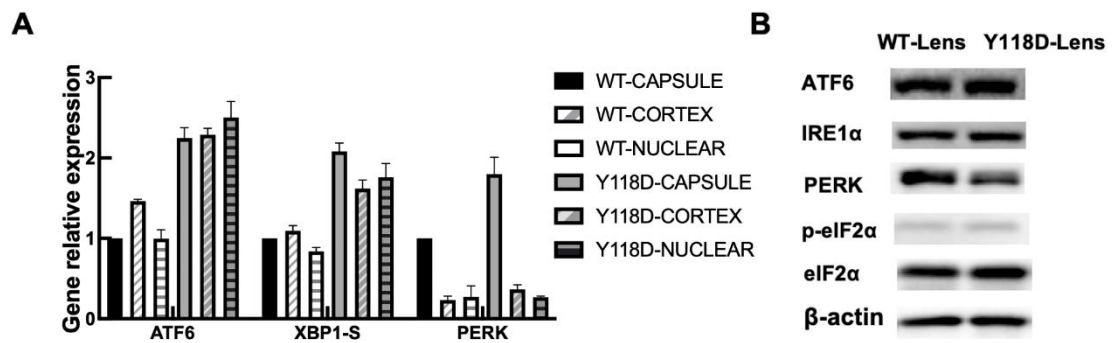
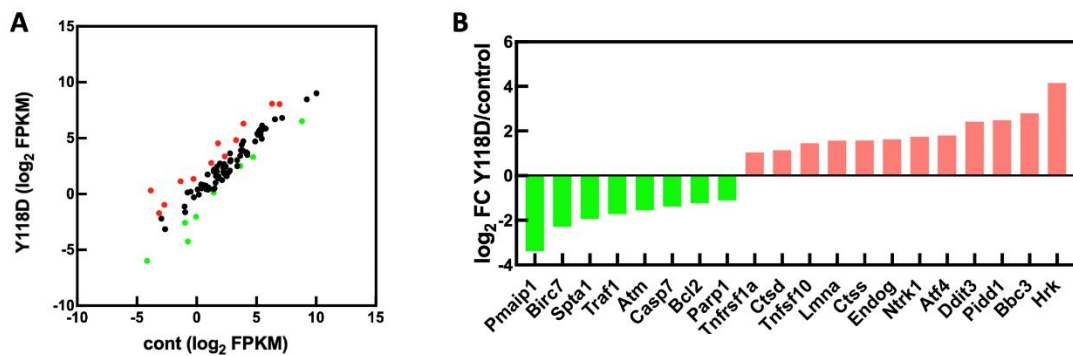


## Supplementary Figures



### Supplementary Figure S1 Expression of ERS-UPR-related genes in lens of $\alpha A^{Y118D/Y118D}$ mice

A: Expression of ERS-UPR-related genes in lens capsule, cortex, and nucleus by qPCR. B: Western blotting of gene expression related to ERS-UPR signaling pathway.



### Supplementary Figure S2 Transcriptome analysis of cellular apoptosis in lens of $\alpha A^{Y118D/Y118D}$ mice

A: Scatter plot of apoptosis-related genes in KEGG pathway. B: DEGs related to cellular apoptosis in transcriptome.