**Supplementary Fig. 4**

Chart, bar chart

Description automatically generated

**Supplementary Fig. 4.** Loss of FOXA2 induces ER stress and apoptosis in hepatocytes derived from FOXA2-/- iPSC line 2. (A) RT-qPCR analysis showing the mRNA expression of hepatic progenitor (HP) markers*,* *ONECUT1*, *ONECUT2*, *HNF1B*, *PROX1*, *TBX3,* and *AFP* in FOXA2-/- HP relative to wild type (WT) controls. (B) Flow cytometry analysis of cell apoptosis (Annexin V+ cells) showing no significant difference in apoptosis between MH derived from FOXA2-/-iPSCs compared to those derived from WT-iPSCs (n=2). The data are presented as mean ±SD. \**p* < 0.05, \*\**p* < 0.01, \*\*\**p* < 0.001.