

S4 Fig. Saturated fatty acids induce ER stress on hypothalamic cells. Relative expression of (A) *Atf4*, (B) *Atf6*, (C) *Xbp1*, (D) *Bip*, and (E) *Chop* mRNA in mouse hypothalamic mHypoE-N43/5 cells treated with either vehicle (BSA with 0.1% ethanol), palmitic (PA; 250 μ M), lauric (LA; 1mM), myristic (MA; 200 μ M), oleic acids (OA; 250 μ M), or a combination of these fatty acids for 24 hours (n = 4 cultures per condition). Data are presented as mean + SEM. **P* ≤ 0.05, ***P* ≤ 0.01, ****P* ≤ 0.001, and *****P* ≤ 0.0001 *versus* vehicle group. Statistical significance was determined by one-way ANOVA followed by Tukey's Multiple Comparison test. The underlying data are provided in S1 Data.