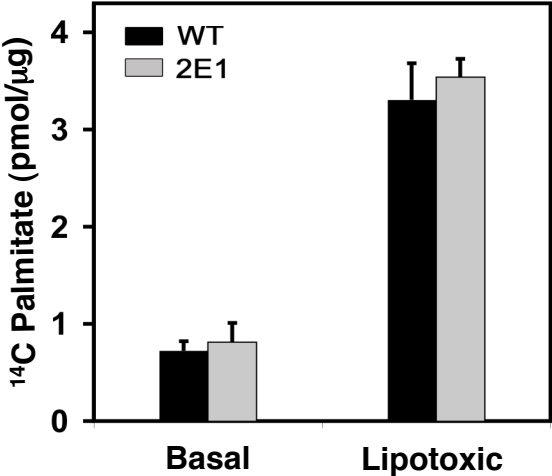


Supplemental Fig. 1 Fatty acid uptake is unchanged in mutant 2E1

WT and 2E1 mutant cells were assayed for uptake of ^{14}C -palmitate for one minute at 37°C under basal (standard growth media) and lipotoxic (standard media supplemented with 500 μM palmitate) conditions. Graph displays palmitate uptake per μg cellular protein and data is expressed as mean \pm SE for 3 independent experiments.

Supplementary Figure 1



Supplemental Fig. 2 gadd7 knockdown delays palmitate-induced ER stress.

Stable cell lines transfected with scrambled (SCR) and gadd7-targeted (KD1 and KD2) shRNAs were treated with palmitate for the indicated times.

A. Cell lysates were analyzed by Western blot for CHOP, β -actin, and phosphorylated (P-JNK) and total (T-JNK) proteins. A representative blot is shown.

B. Graph shows quantification of CHOP expression normalized to β -actin and data is expressed as mean \pm SE for 3 independent experiments, * $p < 0.05$ for KD vs. SCR.

C. Graph shows quantification of phosphorylated JNK1 and JNK2 normalized to total JNK1 and JNK2, respectively. Data expressed as mean \pm SE for 3 independent experiments, * $p < 0.05$ for KD vs. SCR.

Supplemental Figure 2

