

Inflammation and ER stress downregulate BDH2 expression and dysregulate intracellular iron in macrophages

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Supplementary Figures:

Supplementary Figure 1: Cellular viability and iron retention in tunicamycin treated macrophages. **A:** Cellular viability of THP-1 cells treated with tunicamycin doses prior to LPS exposure was assessed using the MTT assay (MTT OD-A591). **B:** THP-1 cells (1×10^6 cell/ml) were treated with tunicamycin doses or DMSO overnight prior to LPS exposure (40 ng/ml) for 6 hr and iron retention in macrophages was determined using calcein-AM. DMSO treated cells were incubated simultaneously and used as controls. Calcein-AM fluorescence is quenched upon binding iron and is therefore inversely correlated with intracellular iron accumulation. AU: arbitrary units. Error bars represent the SD from the mean of triplicate readings and data are representative of two independent experiments.



