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Corrigendum: IRS1 deficiency protects β -cells against ER stress-induced apoptosis by modulating sXBP-1 stability and protein translation

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In this Article the legend for Figure 5 is incomplete.

“Ca²⁺ in cytosol was measured using Fura-2 and Ca²⁺ in ER was measured using FRET-based probe D1ER cameleon in the basal state and after thapsigargin stimulation (100 nM for 1000 sec). Representative Ca²⁺ measurements in cytosol and ER (left panel). Quantitative ER Ca²⁺ levels of the average value prior to thapsigargin stimulation (Basal) and the minimum value after addition of thapsigargin (Tg(+)) (right panel). Data are means \pm SEM, n = 43 for control, n = 50 for IRS1KO, and n = 40 for IRS2KO β -cells. *P < 0.05, **P < 0.01”.

Should read:

“(a) Ca²⁺ in cytosol was measured using Fura-2 and Ca²⁺ in ER was measured using FRET-based probe D1ER cameleon in the basal state and after thapsigargin stimulation (100 nM for 1000 sec). Representative Ca²⁺ measurements in cytosol and ER (left panel). Quantitative ER Ca²⁺ levels of the average value prior to thapsigargin stimulation (Basal) and the minimum value after addition of thapsigargin (Tg(+)) (right panel). Data are means \pm SEM, n = 43 for control, n = 50 for IRS1KO, and n = 40 for IRS2KO β -cells. *P < 0.05, **P < 0.01. (b) Immunoblot of SERCA2 and β -actin in control β -cells, IRS1KO β -cells, and IRS2KO β -cells incubated with vehicle or thapsigargin (100 nM) for 8 h. Data are means \pm SEM, n = 4. *P < 0.05”.



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