ESM Methods

*Apoptosis assays.* Cells were double-stained with annexin V-FITC and propidium iodide (PI)-PE using the Apoptosis Detection Kit I (Becton Dickinson, San Jose, CA), following the manufacturer’s instructions. Flow cytometry data were collected on a BD LSR Fortessa SORP. Negative cells for annexin V and PI were considered viable cells, early apoptotic cells were annexin V-positive. Data are presented as mean ± SEM of 3 and 4 independent experiments for single islet cells and INS1E cells, respectively.

*Immunofluorescence.* Experiments were performed using primary antibodies against β-catenin (Millipore, 1:200) and insulin (Dako, 1:500). Anti-rabbit-Cy3 and anti-guinea pig-Cy2 (Santa Cruz, 1:500)-conjugated were used as secondary antibodies. Hoechst 33258 (Sigma, 1:200) Fluorescence images were analyzed with a Leica confocal scanning laser microscope.