



Figure S1. Glucose increased ROS levels in RIN-m5f cells . (a) The RIN-m5F cells were treated with or without 20 mM glucose, then the cells were incubated with DCFH-DA and fluorescence intensity was observed by fluorescence microscope. (b) Cells were treated as described in **a**, and fluorescence intensity were analyzed by the software Image-Pro-Plus 6.0 (Error bars, SD.;** $p < 0.01$ indicates significant differences compared with the control group by t test). Scale bar: 10 μm .