S4. hIDS (dark bars) and pcDNA (open bars) transfected cells were used to assess the effect of tolbutamide (500 μM) on insulin secretion. Insulin release was expressed as the ratio of the percentage of cellular insulin content (n=8-11; †p<0.001 vs pcDNA 2.5 mM glucose, *p<0.05 vs pcDNA 22.7 mM glucose, #p<0.05 vs hIDS 2.5 mM glucose). Insulin secretion was significantly increased in hIDS transfected cells compared to controls at 22 mM glucose.