

Figure S1. (A and B) Serum glucose and insulin contents in VEGFB^{+/+} and VEGFB^{-/-} mice (n=6). (C-F) Calcium and insulin contents under the stimulation of 2.8 and 16.7 mmol/l glucose in VEGFB^{+/+} and VEGFB^{-/-} mice (n=6). (G-I) Expression of VEGFR1, VEGFA and VEGFR2 proteins in VEGFB^{+/+} and VEGFB^{-/-} mice (n=6). *P<0.05 vs. VEGFB^{+/+} group. (J) Experimental design of VEGFB effect on MIN6 cells. (K) Expression of VEGFB protein in NC and SI groups (n=6). (L-Q) ATP, calcium and insulin contents under the stimulation of 2.8 and 16.7 mmol/l glucose in NC and SI groups (n=6). (R-T) Expression of VEGFR1, VEGFA and VEGFR2 proteins in NC and SI groups (n=6). *P<0.05 vs. NC. (U) Diagram of interaction between VEGFA and VEGFB in insulin secretion signal pathway. VEGFB, vascular endothelial growth factor B; VEGFR1, vascular endothelial growth factor receptor 1; VEGFA, vascular endothelial growth factor A; VEGFR2, vascular endothelial growth factor receptor 2; NC, negative control; SI, silencing.

