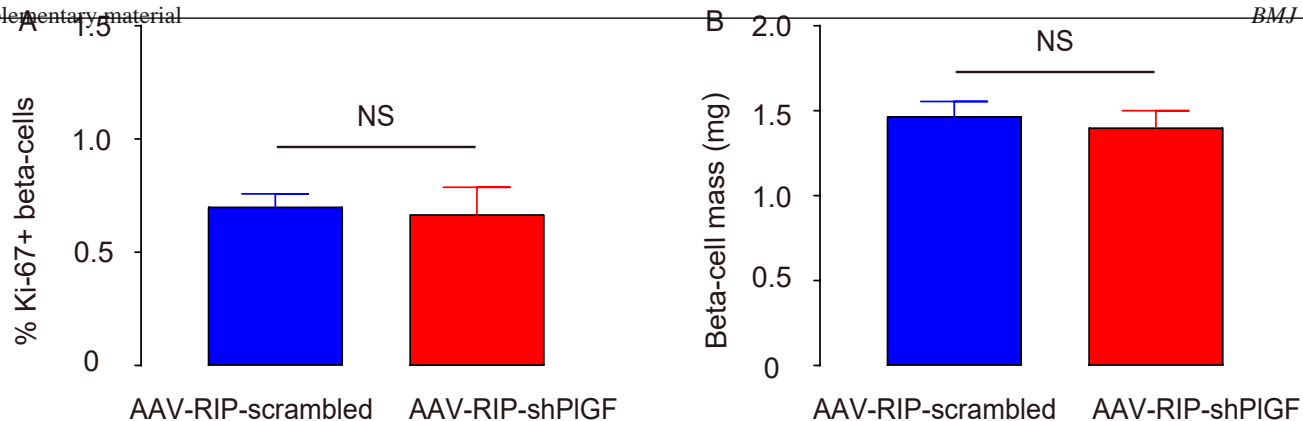
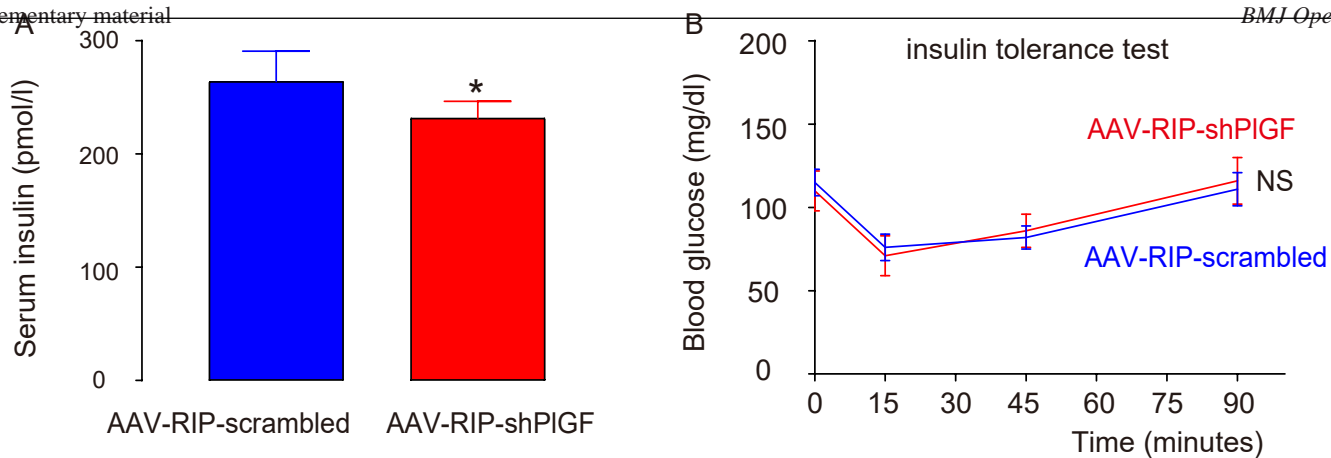


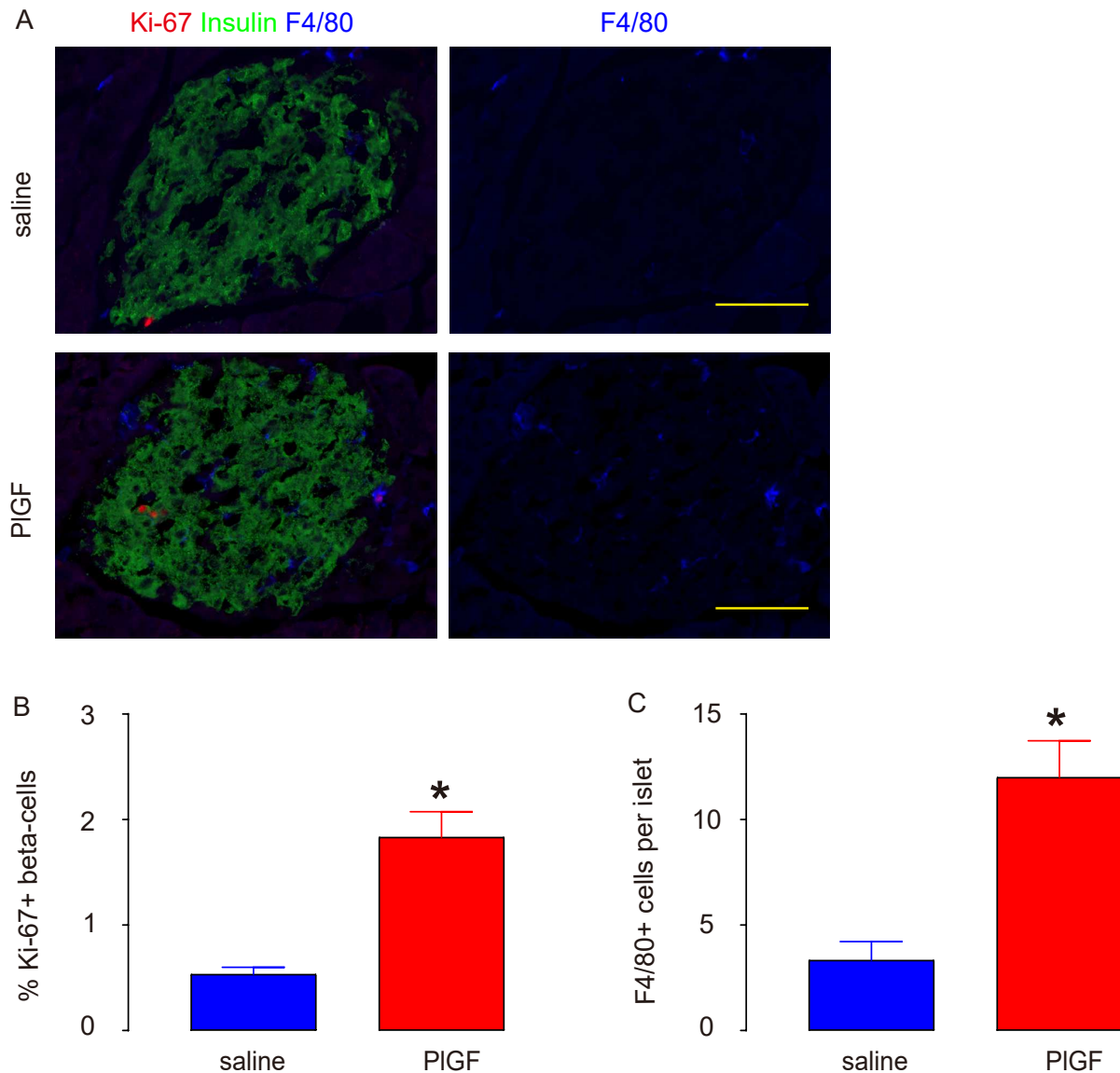
Supplementary Figure 1: Pregnancy does not alter VEGFR1 levels in mouse islet macrophages or endothelial cells. Mouse islets were isolated from G16 pregnant mice and non-pregnant (NP) mice. Islets were further dissociated into single cells and subjected to flow cytometry based cell sorting for F4/80+ islet macrophages (A) and CD31+ islet endothelial cells (B). RT-qPCR for VEGFR1 was done. NS:non-significant. N=3. Technical details have been described in our previous publications (ref: 18, 19)



Supplementary Figure 2: PIGF depletion in beta-cells does not alter beta-cell proliferation and beta-cell mass in non-pregnant adult mice. (A) Ki-67+ beta-cells were quantified in the pancreas C57BL/6 mice that had received either AAV-RIP-shPIGF or AAV-RIP-scrambled 3 weeks before. (B) Beta-cell mass. NS: non-significant. N=3.



Supplementary Figure 3: PIGF depletion in beta-cells reduces serum insulin (A) in G16 pregnant mice but does not cause changes in insulin tolerance test (ITT, B). * $p < 0.05$. NS: non-significant. N=5.



Supplementary Figure 4: Intraductal infusion of recombinant PIGF or saline. (A) Representative images for insulin, Ki-67 and F4/80 staining at 7 days after infusion. (B-C) Quantification for Ki-67+ beta-cells (B) and F4/80+ cells per islet (C). * $p < 0.05$. N=5. Scale bars are 50 μ m.