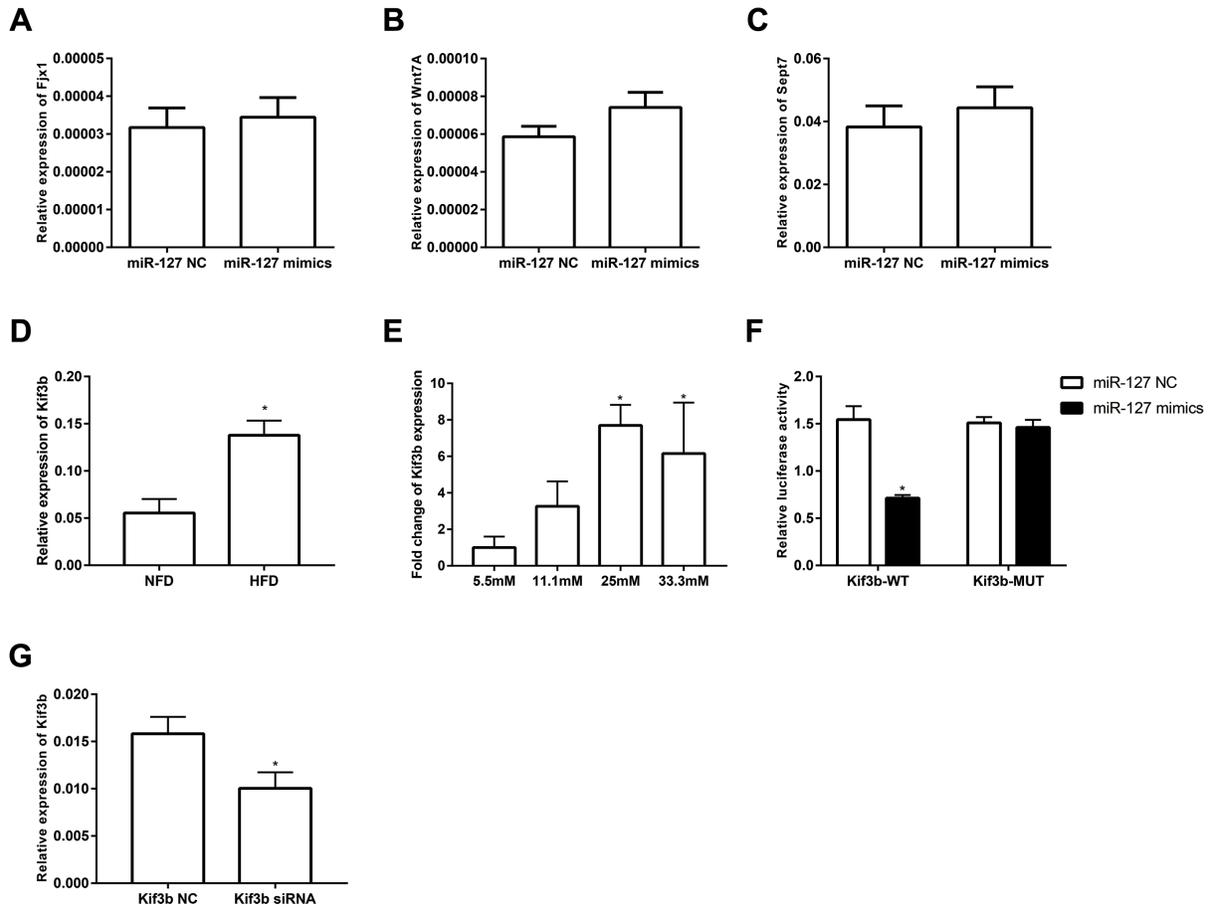
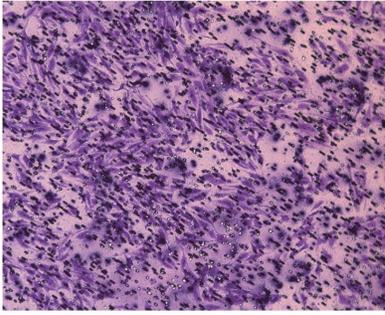


SUPPLEMENTARY MATERIAL

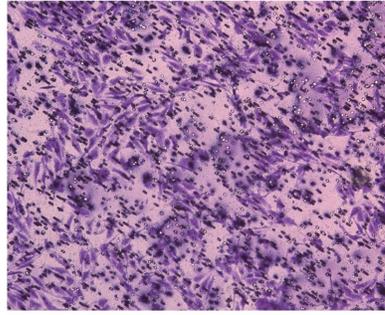


Supplementary Figure 1. miR-127 did not affect expression of other predicted target genes. The expression level of the candidate genes: Fjx1 (A), Wnt7a (B), Sept7 (C) in miR-127 NC or miR-127 mimics transfected MIN6 cells. Expression of Kif3b in 20-week old HFD/ NFD islets (D) and in MIN6 cells cultured with the indicated concentrations of glucose (E) was measured by qRT-PCR. (F) Luciferase assay of the reporter plasmids harboring the intact and mutant Kif3b-3'UTR in HEK293T cells. (G) Efficiency of siRNA-mediated Kif3b knockdown was analyzed by qRT-PCR.

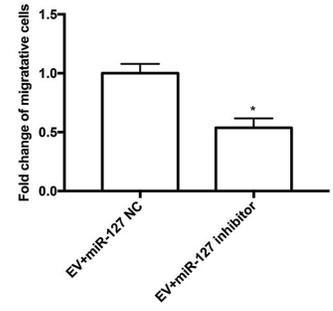
A



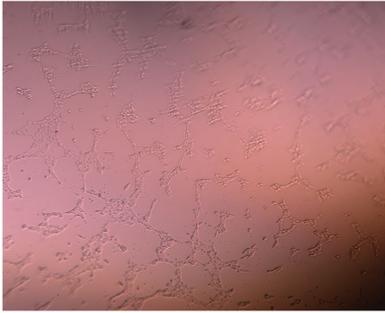
EV+miR-127 NC



EV+miR-127 inhibitor



B



EV+miR-127 NC



EV+miR-127 inhibitor

Supplementary Figure 2. miR-127 inhibitor reversed the enhanced MS1 cells migration and tube formation by EVs secreted from MIN6 cells. (A) Transwell migration assays and (B) tube formation assays were applied to explore cell migration and *in vitro* angiogenesis, respectively.