Figure S1. VEGF mRNA level in PL. An effective VEGF expression in PL placentas : The expression of VEGF in the decidua and villi of PL and IA. Data were presented as mean ± SEM, n = 6 (*** p < 0.01, vs. IA).

(A)

VEGFA 3' UTR (484-490) 3'--5' TGGGACTCCCTCCGAGGAAGG

miR-125b 5'--3' TCCCTGAGACCCTAACTTGTGA
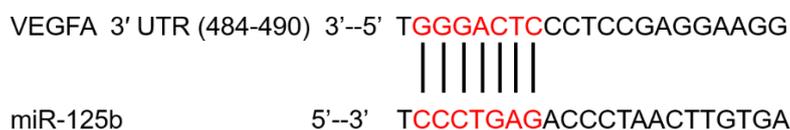
(B)
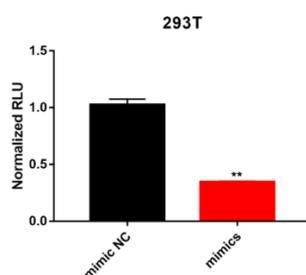
Figure S2. VEGFA may be a hypothetical direct miR-125b target (**A**) Luciferase report contains the miR-25b targeting sequences and mutated version of the VEGFA 3' UTR wild type, including the site where the binding agent was altered (red). The luciferase reporter gene containing wild-type (Wt) VEGFA 3' UTR (Mut) was cotransfected into 293t cells by simulating NC or miR-125b; (**B**) Luciferase activity was measured and normalized 72 h after transfection. Data were presented as mean ± SEM, n= 3 (** p < 0.01).
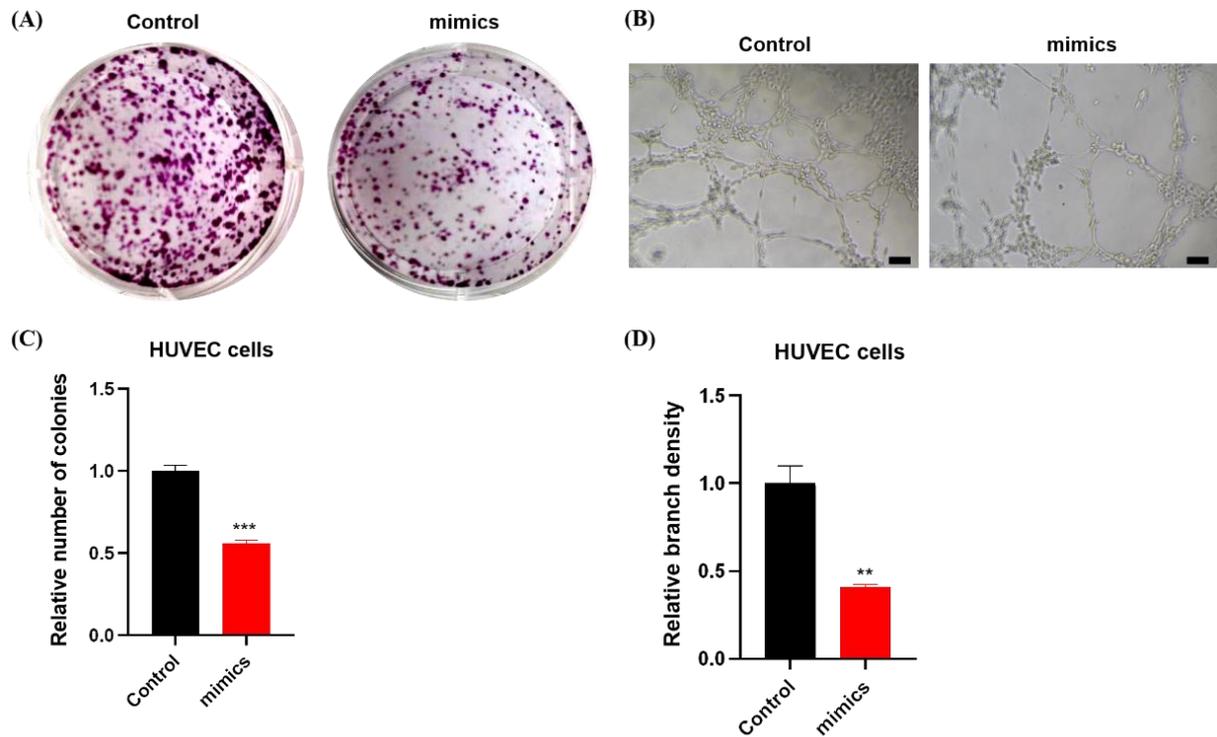
Figure S3. miR-125b inhibits angiogenesis. miR-125b inhibited the colony formation ability and angiogenesis of HUVEC cells (**A**,**C**) The result of the colony formation assays with HUVEC cells treated with miR-125b mimics. Data were presented as mean ± SEM, *n* = 3, ** *p* < 0.01 vs. control; (**B**) The pictures of tube formation. Scale bars: 200 μm; (**D**) The branch density of HUVEC after miR-125b mimics treatment. Data were presented as mean ± SEM, *n* = 3, ** *p* < 0.01, *** *p* < 0.001 vs. control.
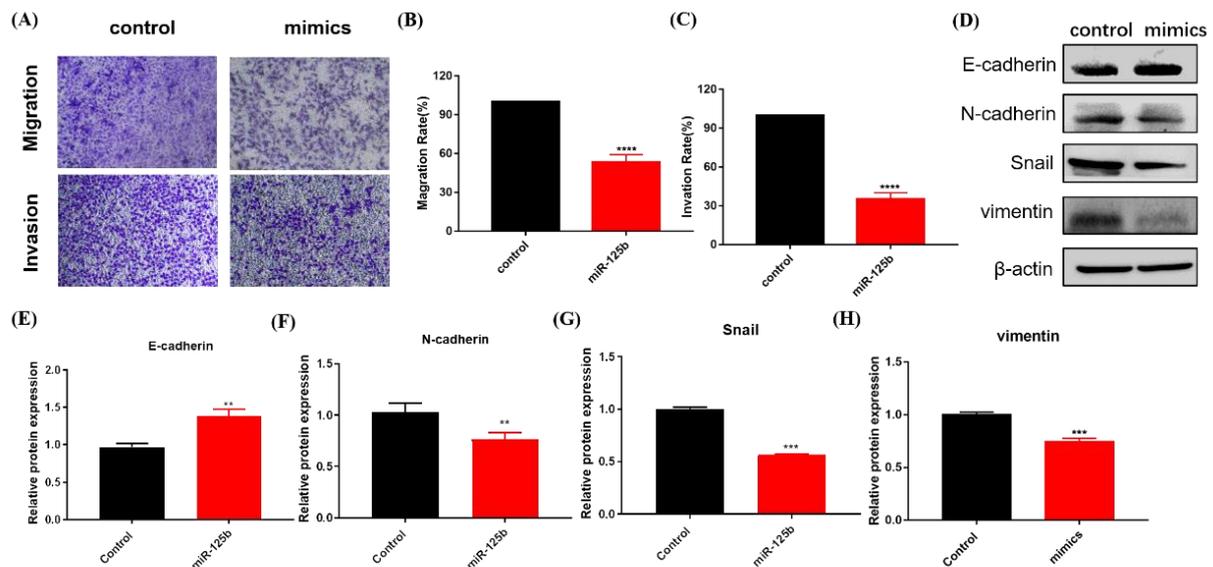

Figure S4. miR-125b suppressed the migration and invasion by inhibiting EMT (**A**) Transwell test was used to detect the effect of miR-125b on migration and invasion ability of HUVECs. (**B**) The invasion result of the Transwell assays with HUVECs treated with miR-125b mimics. (**C**) The migration result of the Transwell assays with HUVECs treated with miR-125b mimics. (**D**) Effects of miR-125b on the expression levels of the N-cadherin, E-cadherin, Vimentin, Snail determined by Western blot analysis. (**E-H**) The quantification of the N-cadherin, E-cadherin, Vimentin, Snail. Data were presented as mean ± SEM, *n* = 3, * *p* < 0.05, ** *p* < 0.01, **** *p* < 0.001 vs. control.