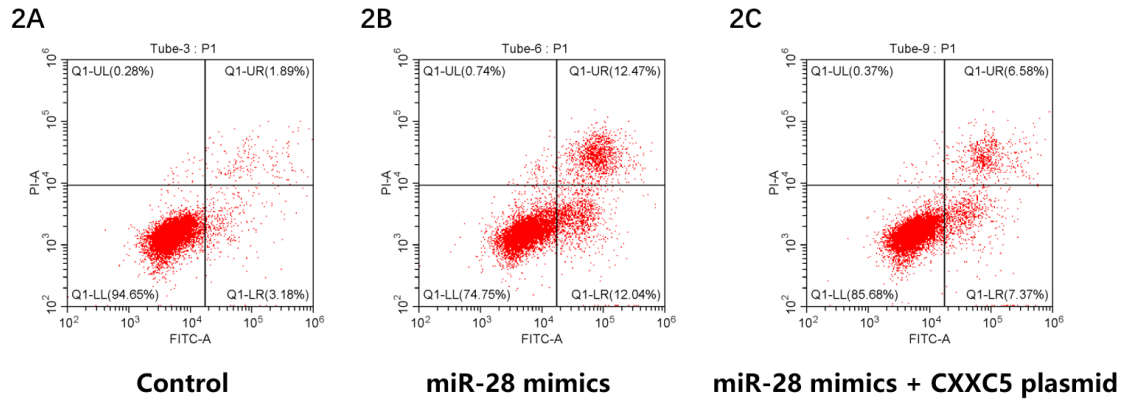


**Supplementary Figure S1.** Typical flow cytometry results in apoptosis of Figure 2 C

*Control + NC – HUVECs in normal glucose level with negative control, Control + miR-28 mimics – HUVECs in normal glucose level with miR-28-3p mimics, HG + NC – HUVECs under high glucose for 48 h with negative control, HG + miR-28 inhibitor – HUVECs under high glucose for 48 h with miR-28-3p inhibitors for 48 h.*



**Supplementary Figure S2.** Typical flow cytometry results in apoptosis of Figure 4 C

*Control – HUVECs in normal glucose level with negative control, miR-28 mimics – HUVECs in normal glucose level with miR-28-3p mimics (1 μM for 48 h), miR-28 mimics + CXXC5 plasmid – HUVECs in normal glucose level with miR-28-3p mimics and CXXC5 overexpression plasmid.*

**Supplementary Table S1.** Demographic characteristics of patients in GEO accessions: GSE55098, GSE55099

Parameter	Control (n = 10)	Type 1 diabetes (n = 12)
No. women/men	6/4	5/7
Age [years]	18.70 ±1.16	17.50 ±3.68
FBG [mmol/l]	4.78 ±0.20	6.37 ±1.93*
HbA1c (%)	5.29 ±0.42	11.78 ±3.63***
GADA [U/ml]	2.50 (1.87–2.91)	149.85 (47.30–319.33)**
Fasting C peptide [ng/ml]	2.08 ±0.77	0.47 ±0.20***

FBG – fasting blood glucose, GADA – glutamic acid decarboxylase antibody. Values are given as the mean ± SD or as median values with the interquartile range in parentheses. \*P < 0.05, \*\*P < 0.01, \*\*\*P < 0.0001 compared with normal. Data are obtained from Decreased miR-146 expression in peripheral blood mononuclear cells is correlated with ongoing islet autoimmunity in type 1 diabetes patients *1miR-146. J Diabetes* 2015 Mar; 7(2): 158-65.