



**Supplementary Fig. 4.** Expression of miR-328-3p and sterol regulatory element binding protein 2 (SREBP-2) in mouse islet tissues. (A) miR-328-3p expression detected by reverse transcription-quantitative polymerase chain reaction (RT-qPCR) in mouse islet tissues in the gestational diabetes mellitus (GDM) mice treated with nanoparticles (NPs) expressing miR-328-3p inhibitor. (B) miR-328-3p and SREBP-2 expression detected by RT-qPCR in islet tissues of GDM mice treated with NPs expressing miR-328-3p mimic. (C) miR-328-3p and SREBP-2 expression detected by RT-qPCR in islet tissues of GDM mice treated with NPs expressing overexpression (oe)-SREBP-2. NC, negative control. <sup>a</sup> $P < 0.05$  vs. GDM mice injected with NPs expressing NC inhibitor, NC mimic, or oe-NC ( $n = 10$  for mice following each treatment).