



**Supplemental Fig. S6.** V-maf musculoaponeurotic fibrosarcoma oncogene homolog A (MAFA) protein levels in mouse islets. (A) Melatonin (Mel) rescued stearic acid (SA)-induced downregulation of MAFA protein levels. (B, C) Protective effect of miR-146a-5p and miR-8114 inhibitors on MAFA protein levels. Each experiment was repeated independently three times. NC, negative control; AMO, anti-miRNA oligonucleotides. <sup>a</sup> $P < 0.05$ , <sup>b</sup> $P < 0.01$ , <sup>c</sup> $P < 0.001$ , compared with control (Ctrl) group; <sup>d</sup> $P < 0.05$ , <sup>e</sup> $P < 0.01$ , compared with SA group.