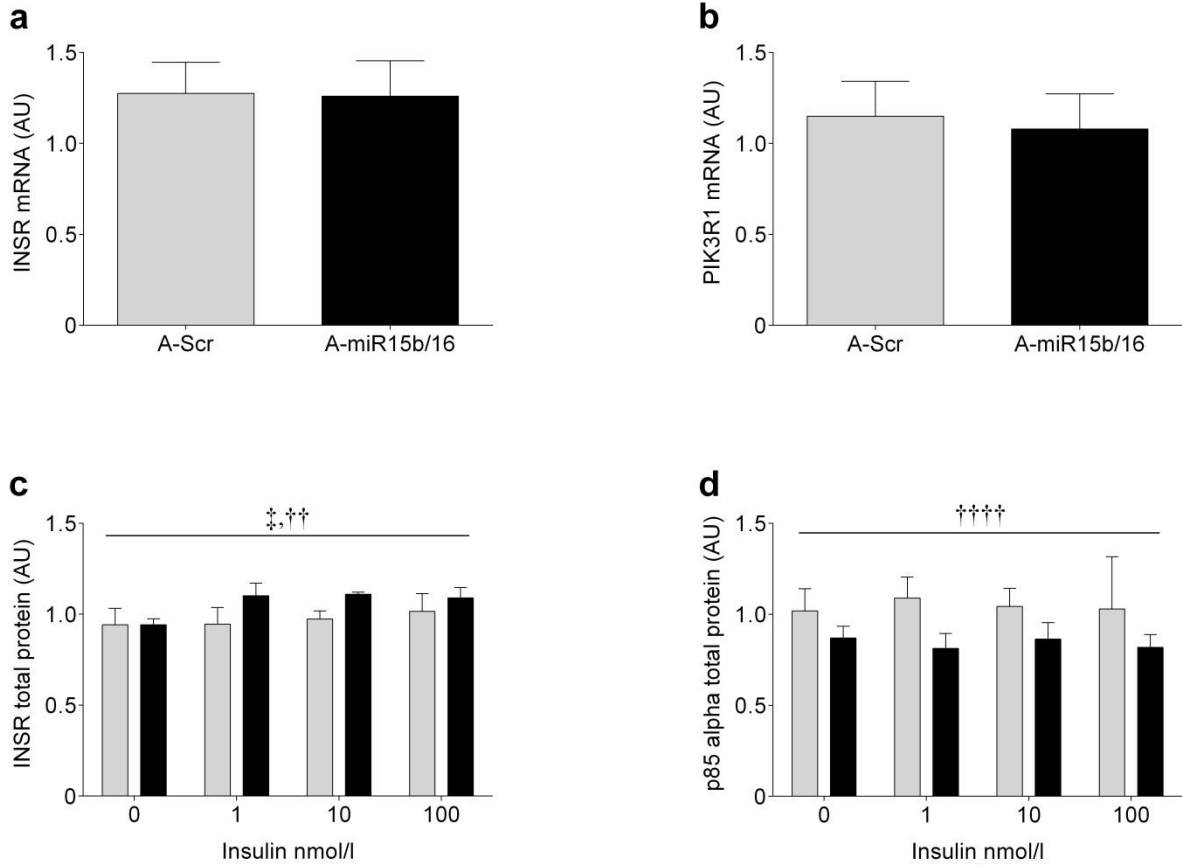


ESM Fig. 3



Effect of miR-15b and miR-16 inhibition on insulin signaling molecules. 48 hours of miR15b/miR16 inhibition using LNA antagonomirs in myocytes from 5 healthy individuals. The myocytes were stimulated with 0, 1, 10 or 100 nmol/l insulin for 5-10 minutes before harvesting. The effect of miR15b/miR16 inhibition on **A.** *INSR* mRNA, **B.** *PIK3R1* mRNA **C.** *INSR* protein and **D.** *PIK3R1* (p85 α) protein levels. Data were analyzed using two-way repeated-measures ANOVAs. Data are means \pm SD. AU, arbitrary expression unit; A-Scr (gray), scrambled control antagonomir; A-miR15b/16 (black), combination of antagonomirs against miR-15b and miR-16; †† $p=0.01$, †††† $p=0.0002$ for effect of miR-15b/miR16 inhibition; ‡ $p=0.06$ for insulin effect.