



Groups	Luciferase activity (%)	Difference between groups	95% confidence interval	P value
PCSK9 3'UTR WT+NC vs PCSK9 3'UTR WT+miR-4269	100.2 ± 0.54 105.9 ± 5.47	5.70 ± 5.50	-186.97 to .33	0.3298
c.*171C>T+NC vs c.*171C>T+miR-4269	118.7 ± 4.99 98.20 ± 3.23	-20.51 ± 5.95	-33.29 to -7.73	0.004
PCSK9 3'UTR WT+NC vs PCSK9 3'UTR WT+miR-1226-5p	100.2 ± 0.54 141,5 ± 7,92	41,25 ± 7,94	22,98 to 59,52	0,0008
c.*234C>T+NC vs c.*234C>T+miR-1226-5p	81,50 ± 4,11 88,76 ± 1,72	7,26 ± 4,46	-2,58 to 17,09	0,1324

\*WT: wild type; NC negative control; miR-1226: miR1226-5p

**Figure SF1.** a) Effect of miR-4269 on the expression of the 3'UTR-PCSK9 variant c.\*171C>T and b) effect of miR-1226 on the expression of the 3'UTR-PCSK9 variant: c.\*234C>T in the luciferase reporter assay.