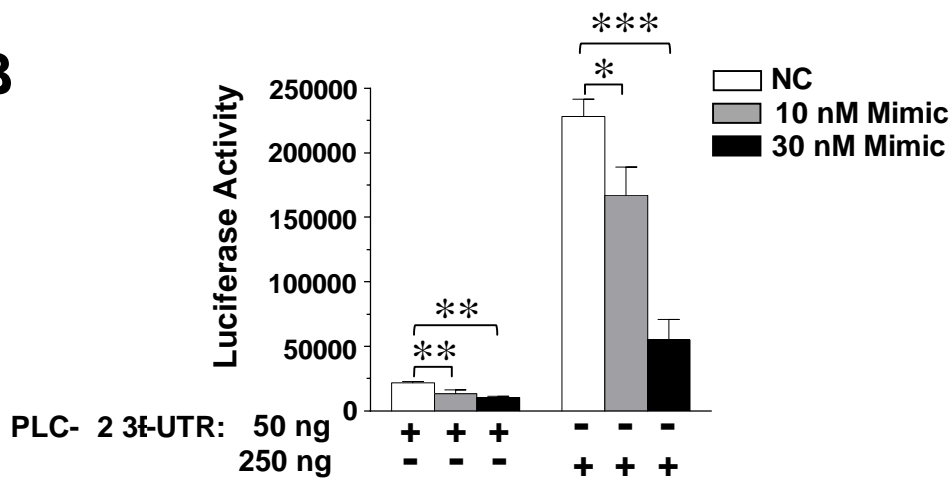


A

- 1) 5'...AAGGAGGUUCAGCCCCUUCUCU...3' nt (69-90) PLC- 2 3'UTR
 || | | ||||
 3' UUGGGUACCUUAAGUCAAGAGU 5' hsa-miR-146a
- 2) 5'...UAGCAAGGAGGUUCAGCCCCU...3' nt (65-86) PLC- 2 3'UTR
 | | | | |||| |
 3' UUGGGUACCUUAAGUCAAGAGU 5' hsa-miR-146a
- 3) 5'...CUGGGCCUAGAAGUCUUCUCA...3' nt (240-261) PLC- 2 3'UTR
 | ||||
 3' UUGGGUACCUUAAGUCAAGAGU 5' hsa-miR-146a

B

Supplementary Figure 4. Interaction of miR-146a with PLC- 2 mRNA in HeLa cells. **(A)** Putative binding sequences for miR-146a in 3'UTR of PLC- 2, as deduced by the use of EMBOSS Needle algorithm. The miRNA seed-sequence is underlined. **(B)** Luciferase activity, reported as RLU (Relative Light Units)/ μ g of protein, of HeLa cells co-transfected for 24 hours with 50 or 250 ng of PLC- 2 3'UTR luciferase reporter vector and with the indicated concentrations of miR-146a mimic. Values obtained with scramble miRNA sequences were used as negative control (NC). The data are the mean of three separate experiments \pm SD. * P <0.05; ** P <0.01; *** P <0.001.