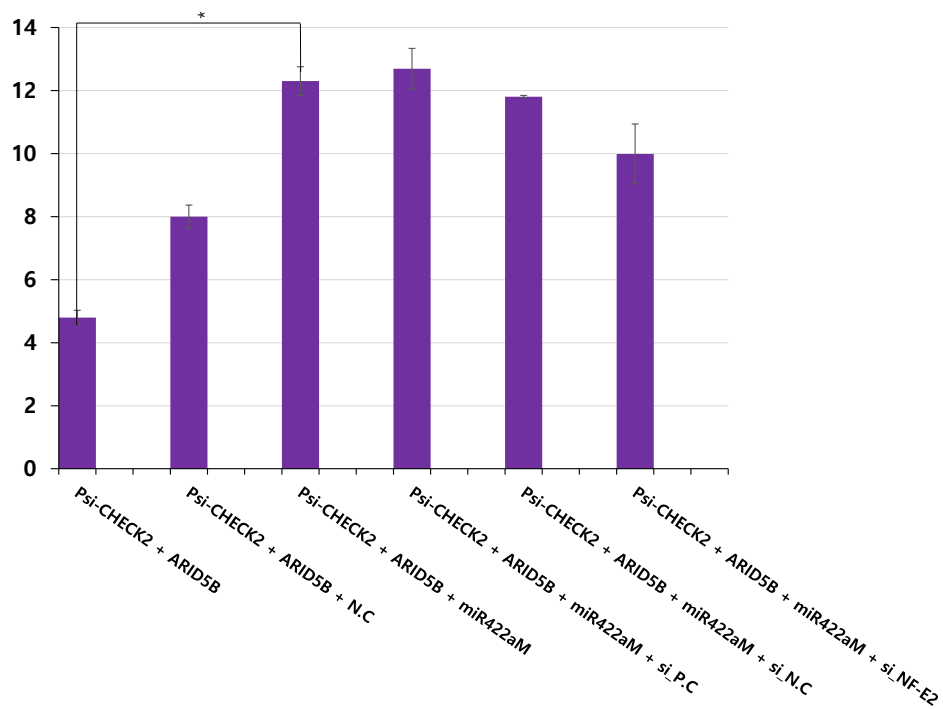




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                *****
>hsa-miR-422a  5'-ACUGGACUUAGGGUCAGAAGGC-3'   (Human)
>ptr-miR-422a  5'-ACUGGACUUAGGGUCAGAAGGC-3'   (Chimpanzee)
>ppy-miR-422a  5'-ACUGGACUCAGGGUCAGAAGGC-3'   (Orangutan)
>mmI-miR-422a  5'-ACUGGACUGAGGGUCAGAAGGC-3'   (Rhesus monkey)
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Supplementary Fig. S1. Genomic sequences of miR-422a in several primates. Genomic sequences of miR-422a acquired from miRBase database, are conserved in several primates including human, chimpanzee, orangutan, rhesus monkey. Asterisks indicate seed region of miR-422a which is well preserved.



Supplementary Fig. S2. Relative expression analysis of *ARID5B* in HepG2 cell transfected with miR-422a mimic and NF-E2 siRNA. Relative expression was identified in HepG2 cell transfected with psi-CHECK2 vector and ARID5B E2 region only (Psi-CHECK2 + ARID5B), treated with hsa-miR-422a negative control (Psi-CHECK2 + ARID5B + N.C), hsa-miR-422a mimic (Psi-CHECK2 + ARID5B + miR422aM), hsa-miR-422a mimic, siRNA positive control (Psi-CHECK2 + ARID5B + miR422aM + si_P.C), hsa-miR-422a mimic, siRNA negative control (Psi-CHECK2 + ARID5B + miR422aM + si_N.C), and hsa-miR-422a mimic, NF-E2 siRNA (PsiCHECK2 + ARID5B + miR422aM + si_NF-E2). The relative expression of *ARID5B* was normalized by GAPDH. The mean \pm SD of triplicate measurements is presented in the bar graphs. Statistical analysis for comparisons between two groups was performed using an unpaired Student's *t*-test. Differences were considered statistically significant at $P < 0.05$. Asterisks indicate the statistical significance of the results.