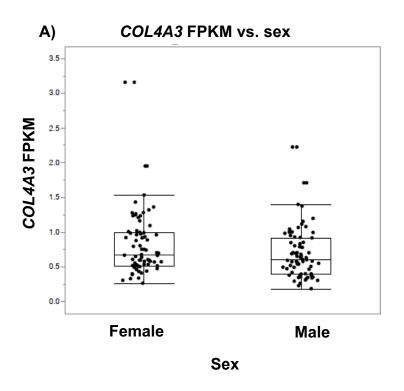
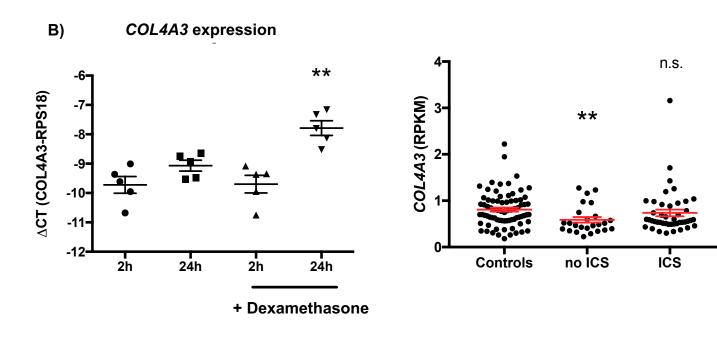
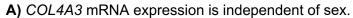


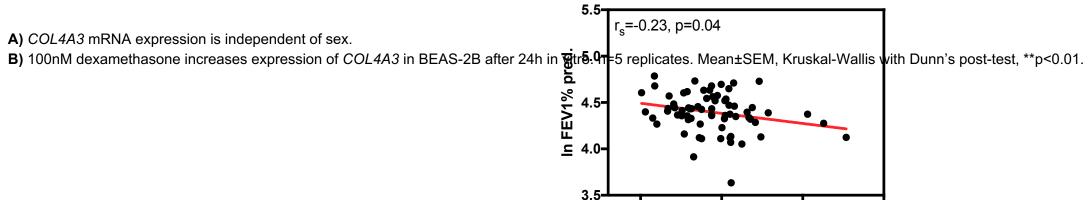
Schematic depicting in vitro experimental model of five consecutive infections of BEAS-2B cells with HRV- 16.

BEAS-2B cells were seeded at 2x10⁶ per T25 flask and cultured until 80% confluent and were infected with HRV-16. Obtained infected cells were washed gently and split into two parts with 80% of cells for analysis and 20% re-seeded for following MOCK and HRV16 infections. This procedure was repeated for 5 times with 72 hours time interval between each infection. Samples were analysed after first, third and fifth infection (NOI:1,3,5).

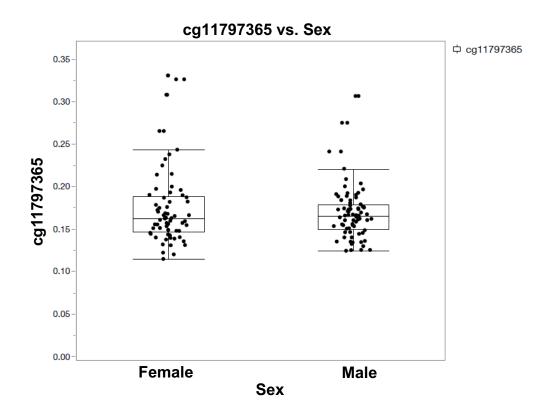




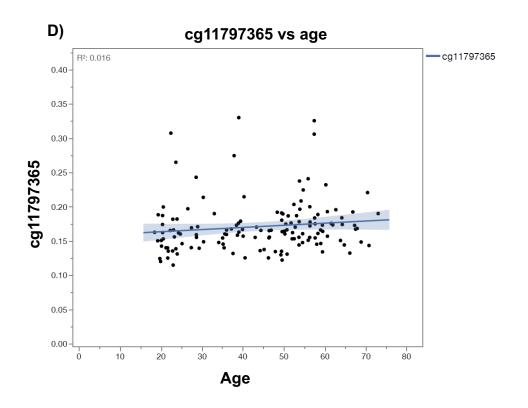


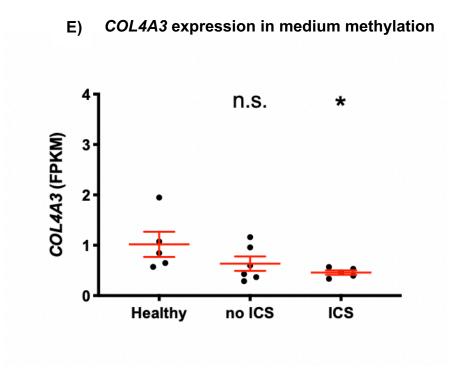


C) cg11797365 vs. Sex



C) Level of cg11797365 methylation is not associated with sex of the patients





D) Level of cg11797365 methylation (β -value) is not associated with age of the patients

E) COL4A3 expression in control and asthmatic subjects with medium methylation (β-value ≥ 0.2) $n_{healthy}$ = 5, $n_{no\ ICS\ users}$ = 6, $n_{ICS\ users}$ = 5. (Mean±SEM, Kruskal-Wallis with Dunn's-post test *p<0.05 compared to control subjects).

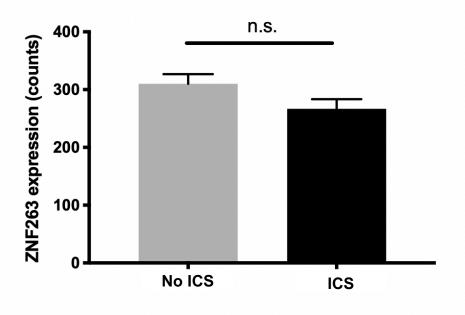


Figure 3: Impact of ICS on ZNF263 expression. (Mean±SD, unpaired t-test, n.s. p > 0.05).

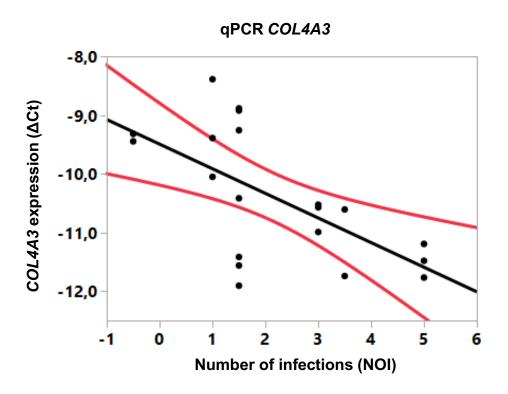


Figure 2: qPCR confirms a linear correlation between reduced COL4A3 mRNA expression and NOI