

**Supplementary Figure S5: miR-151a affects the migratory properties of NSCLC cells.** (A) Growth analysis counting A549s untreated and pre-treated with mitomycin c for 2 hrs (n=1, \* $p=0.0248$  at 12 hr). The migratory potential of (B) A549 cells transfected or (C) H23 cells transfected and (D) H1299 transfected with miR-CTL, miR-151a, or anti-miR-151a were assessed by wound healing assays. Confluent monolayers were treated with mitomycin c for 2 hrs and then scratched with a pipette tip. Wound areas were measured at time 0 and 6 hrs. (transfected A549s n=3, \*\*\*  $p=0.0005$ , transfected H23 n=3, \* $p=0.0304$ , transfected H1299 n=3, \* $p=0.0499$ ). Scale = 500  $\mu$ m. Graphs are shown as mean  $\pm$  SEM and statistical significance was assessed using unpaired student's t-test with  $p$ -values 0.05 considered significant.

