

Supplementary Material

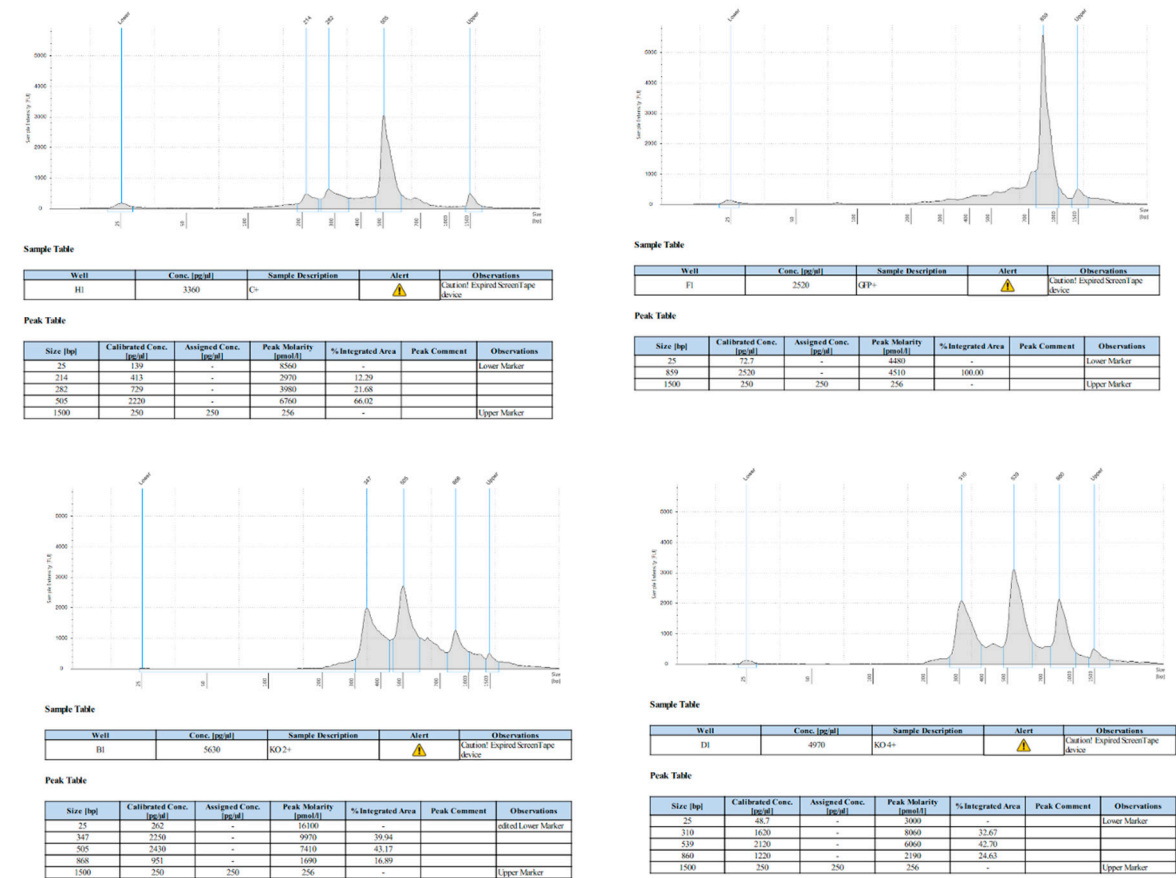


Figure S1. Cas9-gRNA editing efficiency could be estimated directly from Sanger electropherograms of short polymerase chain reaction products around the gRNA regions in Cas9-gRNA transduced cells.

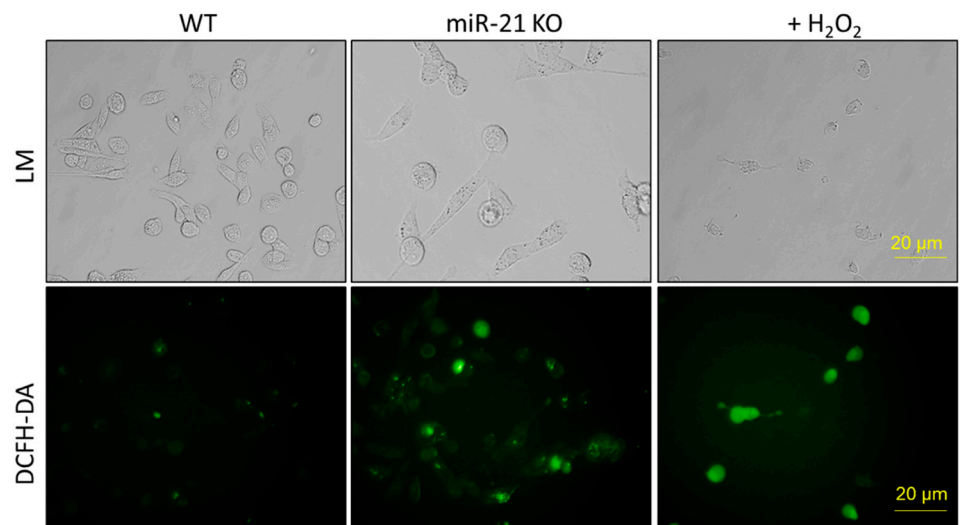


Figure S2. miR-21 deletion resulted in an increased ROS generation KO2 and KO4.

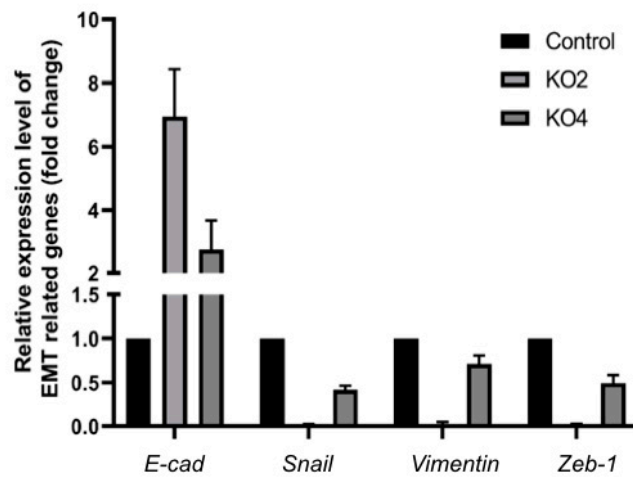


Figure S3. The mRNA expression levels of *E-cadherin*, *Snail*, *Vimentin*, and *Zeb-1* were examined by qRT-PCR by using WT, KO2, and KO4, RNA polymerase II (RPII) was used as a reference gene ($n=6$; $p<0.005$ for all).

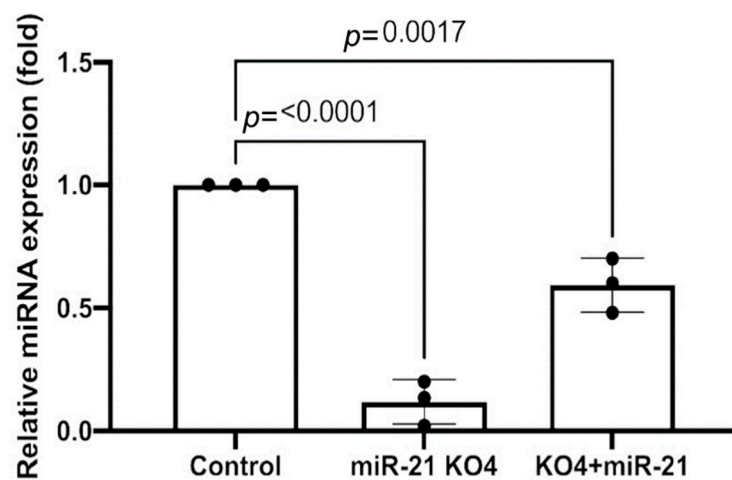


Figure S4. The miRNA expression levels of control, KO4 and miR21+, were examined by qRT-PCR, U6 was used as a reference gene. Exact p-values are indicated, error bars show SD; $n=3$ biological replicates for all).