Figure S1: gRNA38-guided editing in $MIR482a_A04$ (1 mismatch) and $MIR482c_D04$ (0 mismatch) in M482-26-1 (T₀)



Figure S2: gRNA35-guided editing in $MIR482b_A13$ (0 mismatch) and $MIR482b_D13$ (0 mismatch) in M482-13-1 (T₀)

A13: -4 bp and -5 bp

gRNA35 **PAM**



D13: WT gRNA35 PAM ghr-miR482b_D13 ; TTAGGATTCTAGGAAGCTCGTGGGATGGGTGA-GGGGG - TCAG - A - CAATGGACTGTTTCAGT - CTTTTGGAAAC - AAACAAAGAAGAAGGAGGCTGGTT

Consensus CTTAGGATTCTAGGAAGCTCGTGGGATGGGTG	- GGGGG	- TCAG	- A -	- CAATGGACTGTTTCAGT	- CTTTTGGAAAC	AAACAAAGAAGAAGGCTGGTT
			=			
			=			
			=			
			=			
			Ξ.			
			=			
			=			
			Ξ.			
			=			
			=			
			=			
			=			
			=			
			=			
			=			
			=			
			=			
			=			
			Ξ.			
			=			
			=			
			=			
			=			
			Ξ.			
			=			
			=			
			=			
			=			
			Ξ.			
			=			
			=			
			=			
			=			
			=			
			=			
			Ξ.			
			=			

Figure S3: Comparison of the secondary structures of *MIR482a* and *MIR482c* before and after editing by gRNA38.



Figure S4: Comparison of the secondary structures of *MIR482k* before and after editing by gRNA50.

