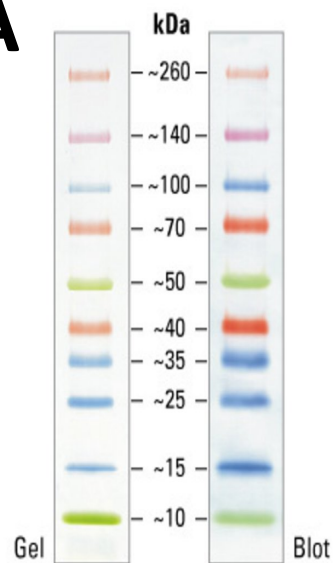
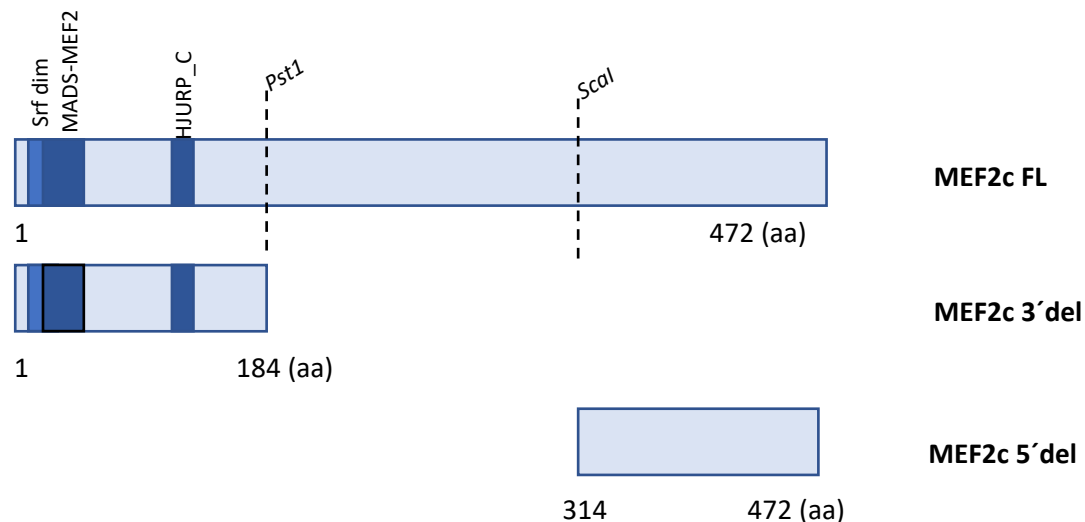
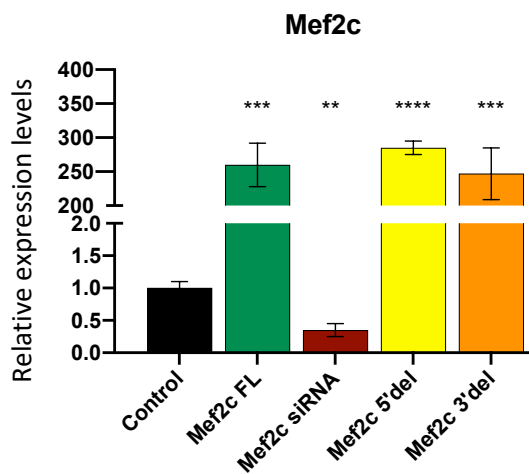
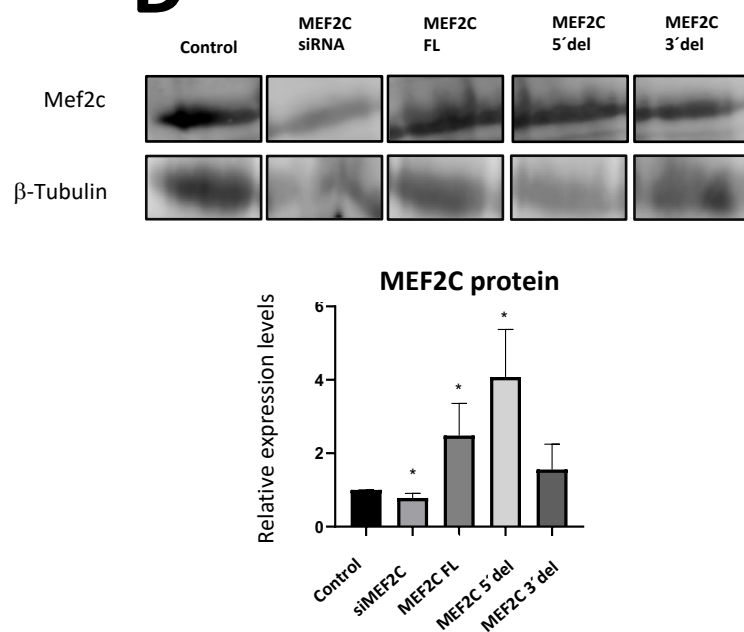
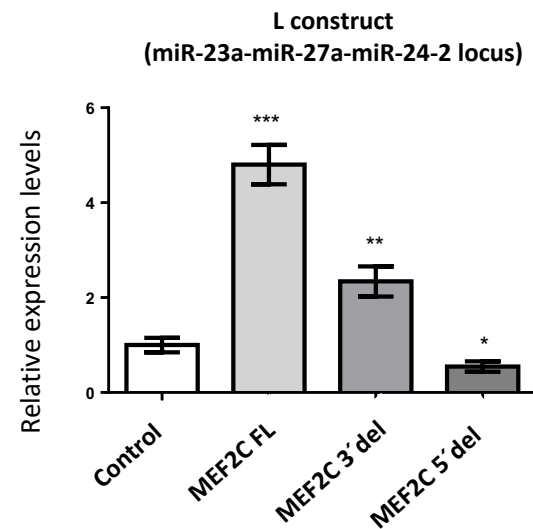
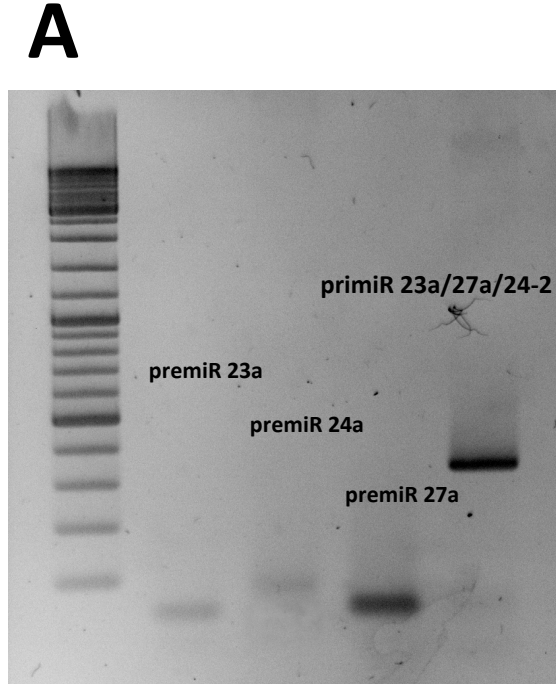
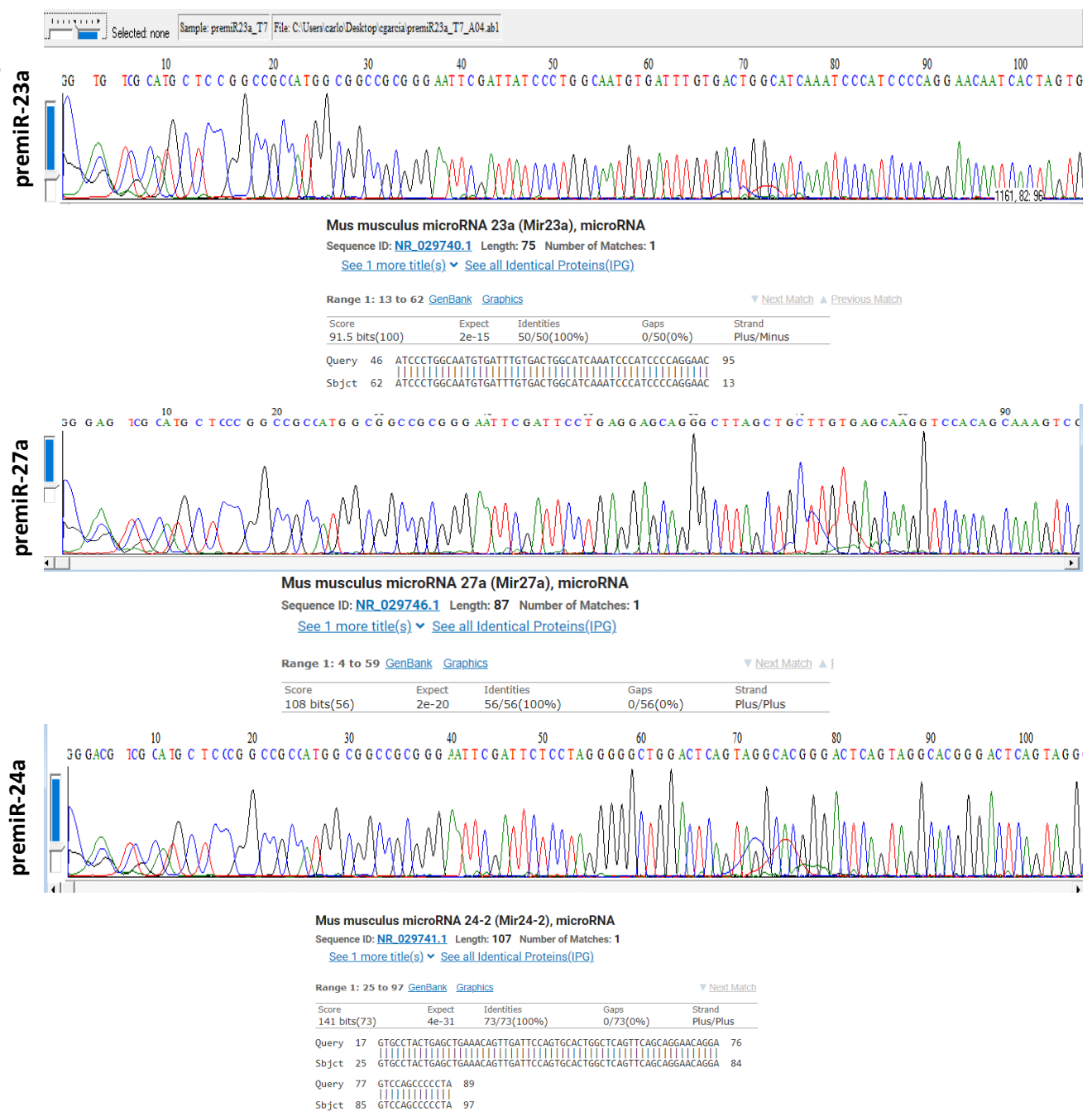


A**B****C****D****E**

Supplementary Figure 1



B



Supplementary Figure 2

miR 23a - miR 27a - 24a-2p

GAGTTTCCTCCTGCCCTTCAGGCTTCTAGGAAGTGGCGCCAGCTGGGGTGAGGTCACCTC
 CTCCCTCCAACCGTCCACCTCCCTCAGCTTCCTCTCCATGGCCCCATTTGGCCTGCTTTG
 GGCTCAGGGCTGTGGGTGGGGATAGAAGCAGAGTGGGAAGCAGCTGGGAAGGCTCTGCAG
 CCCCTTTGGCCTTAGGGCTTCAGGCACCTCCCGCTTTGTAGGGCTGGGGTAGAGGCACTG
 CTGGGTGCCCAGCATCCAGCAGCCTCGCTCCAACCTTCCTACGGATCGATGCTCCTCTTT
 TTTGGGAATGCTTCTTCCCTCTTGGAAGTAGAGGAGGGCTAGGGTGTGGATCAGCAAGCT
 GAGTTTAGATTCTGTCCCCAGCACCTTAAACTGTGTGTGGTGAGGTGTACCTATAATC
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 TGTGAGACCCAGCCTGGTCAAGATAGGCAGGCAAGCAAGAATGCTCCAATCTCACTGTCT
 CTTCTTTCTCTCTTTAGGTGCTACACTCCGCTCCACCTGCTGCCCCCTCACTGTGCCT
 CGGACGGCTGGGGTTCCTGGGGATGGGAATTGATGCCAGTCACAAATCACATTGCCAGGG
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 GGTACTGGGTAAACAGAGAAGCCTATCATGACAAC TGGCCTGAGGAGCAGGGCTTAGCTGC
 TTGTGAGCAAGGTCCACAGCAAAGTCGTGTTACAGTGGCTAAGTTCCGCCCCCTGGACC
 CCATCTCCTCAGGCCGCTGCTGCCCCACCCTGCTCTGCCTCCTGGCTGGCAGGGCTCTGCC
 TCTCTCCGGGCTCC GCCTCCCGTGCCTACTGAGCTGAAACAGTTGATTCCAGTGCACCTGG
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 GCCGTGAGCAAGACCTGGAAACAATGGGGTAATTAGTCCAACCTAAGCCCCGTTGTCTGC
 TGGAGGCTCAGCCTCTAAGCCTGCATCTGGGTGTCCACCTTGAGATTTCTGTGGTTCCCC
 AAAGCAGATAGATGGGCGGGTAACCCTTGCAATAAAAGCCAGTTATGTCCCCTCAGGGCC
 TGGAAGCCCTTCTTTTCTAAGTCTGGTGGGGCTCAGGCACCACCCCTTATACATACCAT
 CTTTGAAGTCAGTTA

premiR-23a

premiR-27a

premiR-24a

PrimiR 23a-27a-24a

Name Primer	Sequence	Amplicon size
Pre_23a_F	GTTCTGGGGATGGGATTT	53 pb
Pre_23a_R	ATCCCTGGCAATGTGATTTG	
Pre_27a_F	CCTGAGGAGCAGGGCTTAG	65 pb
Pre_27a_R	GAACACGACTTTGCTGTGGA	
Pre_24a_F	CCTCCCGTGCCTACTGAG	90 pb
Pre_24a_R	CTCCTAGGGGGCTGGACTC	
Pri_miR_F	TTTGATGCCAGTCACAAATCA	387 pb
Pri_miR_R	GGACTCCTGTTCTGCTGAA	

Supplementary Figure 3

Gene	Sequence
Mm_Gapdh	Fw: GGCATTGCTCTCAATGACAA
	Rv: TGTGAGGGAGATGCTCAGTG
Mm_Mef2c	Fw: TGGTTTCCGTAGCAACTCCT
	Rv: AGTTACAGAGCCGAGGTGGA
Mm_Adar1	Fw: TGACCAGAGATGGGAAAGCA
	Rv: ACCAGTTGACGCTTGTTC
Mm_Ddx5	Fw: ATCTTGATGAGCTGCCCCAA
	Rv: GGTTTTGGACAGTTGTGACCT
Mm_Ddx17	Fw: CCTCATTGCCACGGATGTAG
	Rv: TATAGGCAGTGCCCTTGTG
Mm_hnRNPa1	Fw: TGAAGGGAGGAACTTTGGA
	Rv: TGCCATAGCTACTGCTGCTG
Mm_hnRNPa2b1	Fw: GGCAGTCTGGAAAGAAAGAGG
	Rv: GGACTTCCTGCATTCTTGTCT
Mm_hnRNPa3	Fw: GGAGGAGGAGGCTATGATGG
	Rv: CTTCCACCAAACTGCCCC
Mm_Ksrp	Fw: ATCGGAGGTGATGCTGCTAC
	Rv: CCTGGGAAGCCAGTTTCTT
Mm_Pre-miR23	Fw: GTTCCTGGGGATGGGATTT
	Rv: ATCCCTGGCAATGTGATTG
Mm_Pre-miR27	Fw: CCTGAGGAGCAGGGCTTAG
	Rv: GAACACGACTTTGCTGTGGA
Mm_Pre-miR24	Fw: CCTCCCGTGCCTACTGAG
	Rv: CTCCTAGGGGGCTGGACTC
hsa-miR-23a, LNA™ PCR primer set	AUCACAUUGCCAGGGAUUUCC
hsa-miR-27a, LNA™ PCR primer set	UUCACAGUGGCUAAGUUCCGC
hsa-miR-24.2, LNA™ PCR primer set	UGGCUCAGUUCAGCAGGAACAG

siRNA gene	Sequence
siRNA Mef2c	Sense 5' GGGUCGAUAUGCAUUAUUAU UU
siRNA Adar1	Sense 5' GAUUGUCGAACAACAGGAA UU
siRNA Ksrp	Sense 5' CACCGUGAAUAACAACACU UU
siRNA HnRNPa3	Sense 5' GGUUGUUCAUAAGGGCUAU UU
siRNA HnRNPa2b1	Sense 5' GUCUCAUACACAUACCCGU UU
siRNA HnRNPa1	Sense 5' GUCUGAUAUGACGCUGA UU
siRNA Ddx17	Sense 5' GGUACUUAUGAGUUCCGA UU
siRNA Ddx5	Sense 5' GUUAGGUUCACUAUGGGCU UU

Table 1. List of the primers and siRNA sequences.