

Table S1: Real-time RT-PCR Primer Sequences

mRNA or pre-miRNA	Forward Primer 5' to 3'	Reverse Primer 5' to 3'
Dorsha	GAGAAGTAACGGTGGAGCTAAG	GGATATGATGGGTCAGAACAGG
DGCR8	GAGAACCCAAGTGAGCCTTT	TAGCTCGGGCAGCTTTATTC
XPO5	GCGTTTCTTCTCTACCCTCTATG	TAGCAAGGTCTCCACAGTA
Dicer	GTCGTGCCGTATTGGTAGTT	CAGCTCCTCTTGCTCATGTT
TARBP2	AGGAGTATGGGACCAGAATAGG	GTGACCCGGAAGGTGAAATTAG
HPRT	ACGTCTTGCTCGAGATGTGA	AATCCAGCAGGTCAGCAAAG
18S	TGACGGAAGGGCACCACCAG	GCACCACCACCCACGGAATC
Pre-miR-124-1	CAGCGGACCTTGATTAAATGTCC	CAGCCCCATTCTTGGCATTCC
Pre-miR-124-2	ATCAAGATTAGAGGCTCTGCTC	AGTGCAGCCGTAGGCTCC
Pre-miR-124-3	GCGGACCTTGATTAAATGTCT	TTGGCATTACCCGCGTGCCT
Pre-miR-124-total	CTCCGTGTTACAGCGGACC	CTTGGCATTACCCGCGTG
MiRNA	Forward Primer 5' to 3'	
miR-124	TAAGGCACGCGGTGAATGC	
Let 7i	CCCCTGAGGTAGTAGTTTGTGCTGTT	
miR-224	CCCTCAAGTCACTAGTGGTTCCGTTTAG	
miR-210-3p	CCCCTGTGCGTGTGACAGCGGCTGA	
miR-210-5p	CCCAGCCCCTGCCCACCGCACACTG	
miR-155	CCCTTAATGCTAATCGTGATAGGGGTT	
U6	CGATACAGAGAAGATTAGCATGGCCC	

Table S2: gRNA sequence used in Figure 6

	target seq	PAM	Location from TSS	strand
sgRNA 1	AGCCGGGGTAATTAACACGG	GGG	-366	+
sgRNA 2	GTGCGTGCGCACTGACAGCG	GGG	-135	-
sgRNA 3	TGAGCACCGTGGGTCCGCGA	GGG	106	+
sgRNA 4	GCACTCCGCAATGCGCTCCC	AGG	391	-