

Table 3. Oligonucleotide sequences used in the study

miRNA expression construct	Forward	Reverse
miR-124a-3 precursor	ATTGTGCAACAAGAAGCTGGAGCATTTCG	TCTAATCTAGAGCATTGTTCCGCCGATTGTGC
miRNA duplexes and 2'O-methyl oligoribonucleotides		
	Sense	Antisense
let-7	UGAGGUAGUAGGUUGUAUAGU	UAUACAACCUACUACCUCAGU
GL3.1	CUUACGCUGAGUACUUCGAUU	UCGAAGUACUCAGCGUAAGUU
miR-124a duplex used in 293S experiments	UAAGGCACGCGGUGAAUGCCA	GCAUUCACCGCGUGCCUUACA
miR-124a duplex used in mouse cells	UAAGGCACGCGGUGAAUGCCA	GCAUUCACCGCGUGCCUUAAU
miR-124a mut5-6 (Lim et al, 2005)	UAAGGCACGCGGUGAAUGCCA	GCAUUCACCGCGUGCCUUAAU
miR-124a 2'OMe	UGGCAUUCACCGCGUCCUUAA	
miR-1 2'OMe	UACAUACUUCUUUACAUCCA	
QPCR primers (mouse)		
	Forward	Reverse
miR-124a	CTCTGCGTGTTCACAGCGG	CTCTTGGCATTACCCGCGTG
REST	GCGGAAGACAAATGCAGGA	TTCGGCTTCGTA CTGGCAA
Ctdsp1	CACCGCATGGAGGACAGTGAGCC	CACTCTGAGGTGCTCAGGTTC
Vamp3	CACCGATGAAACTGAAGCCCAGATA	TCCCAGCTAAATGCACAGAGAAGC
GAPDH	AGAAGGTGGTGAAGCAGGCA	CGAAGGTGGAAGAGTGGGAG
Tubb3	GCGCCTTTGGACACCTATTCA	CCGCGCCCTCCGTATAGTGC
Nav1.2	GGCACAATCAGTGCTGGTACC	CAGCAAGGGATTCCCTGGT
Celsr3	GACTCAGCAGGAAGTTGGACAAC	GCTGTAACACTATGCAGGCCATC
Nrxn2	CACAGATGACCTCCTGGTGGC	GAGGGTCTAAGGAGTCTCCGTG
NeuroD1	CAAGGTGGTACCTTGCTACTCC	CGCAGGATCTCTGACAGAGC
SNAP25	GAGCTGGAGGAGATGCAGAGG	CTCTTCAACCAGCTGTAGCATGC
QPCR primers (human)		
	Forward	Reverse
Renilla luciferase	CCAATGCTATTGTTGAAGGTGCCAAGAAG	GTCATTTTTTGAGAACTCGCTCAACGAACG
Firefly luciferase	CGTCGCCAGTCAAGTAACAACC	CACGGCGATCTTCCGCC
Ctdsp1	CCTGCCTCCTATGTCTTCCA	GCCTGAGCACTGAGTACACG
Plod3	GCGGTGATGAACTTTGTGG	GGGAGGAGATCACACAGTCG
Vamp3	GCAGCCAAGTTGAAGAGGAA	CAGTTTTGAGTCCGCTGGT
□Actin	CGCGAGAAGATGACCCAGAT	ACAGCCTGGATAGCAACGTACAT
GAPDH	TGCACCACCAACTGCTTAGC	GGCATGGACTGTGGTCAATGAG
B2M	TGCTGTCTCCATGTTTGATGTATCT	TCTCTGCTCCCCACCTCTAAGT
GusB	CTCATTTGGAATTTTGCCGATT	CCGAGTGAAGATCCCCTTTTTA
RPLP0	GGCGACCTGGAAGTCCAAC	CCATCAGCACCCACAGCCTTC
3'UTR site directed mutagenesis primers		
	Forward	Reverse
Ctdsp1 (3' UTR)	CCTGCTGGTGGAGGAAAATGG CTTGGGCCCCGTGTGCACAAACTTCTTCCCCCTC	GCTTGAAGGAGCTGTGCACC
Ctdsp1 Δ7mer seed1	C	GAGGGGAAGAAGTTTGTGACACAGGGGCCCAAG
Ctdsp1 Δ7mer seed2	GTTTTTGCTGCCCCGATTCCCCACCCAC GAACAGTGGACACCCAATCATAGAACCCTCTT	GTGGGTGGGAATCCGGGGCAGCAAAAAC
Ctdsp1 Δ7mer seed3	TAC CTAAACCCAGATGTCACCAGAGTATCAACAG	GTAAAGAGGGTTCTATGATTGGGTGTCCACTGTTC
Ctdsp1 Δ7mer seed4	G GATGACCTTCCCAATTAACCTGTGACCTGAG	CCTGTTGATACTCTGGTGACATCTGGGGTTTAG
Ctdsp1 Δ7mer seed5	CAC	GTGCTCAGGTCACAGAGTTAATTGGGAAGGTCATC
Ctdsp1 Δ6mer seed	CAGCTCCTGGGTTTCTGTTTTTAAAGCCC	GGGCTTTAAAAACAGGAAACCCAGGAGCTG
Vamp3 (3' UTR)	AATCGAAGACTCCAGCAGACAAAA	AACACCTTATCCACATTGACTCTCAT

Vamp3 Δ 7mer seed1	CAGTTTAGTGCCTAGAAAATTGTTTTTCATAT ACACTCC	GGAGTGTATATGAAAAACAATTTTCTAGGCACTAAA CTG
Vamp3 Δ 7mer seed2	CTCCCCACATTTTGCACATACAGATTTCTGGA CTG	CAGTCCAGAAATCTGTATGTGCAAAATGTGGGGAG
Vamp3 Δ 7mer seed3	GGTGACAATAGCAGGGTATTTTGATAGCTAGG AAAC	GTTTCCTAGCTATCAAATACCCTGCTATTGTCACC
Vamp3 Δ 6mer seed	CAGATGTTGAAGATAGCCGCATCAGCCTAGG	CCTAGGCTGATGCGGCTATCTTCAACATCTG