

SUPPLEMENTARY TABLES

Supplementary Table 1. The sequences of miRNA mimic, inhibitor, siRNA oligos and PCR primers used in this study.

Name	Sequences
miR-222 mimic	5'-AGCUACAUCUGGCUACUGGGU-3'
miR-455-5p mimic	5'-TAUGTGCCTTTGGACTACATCG-3'
NC mimic	5'-UUCUCCGAACGUGUCACGUTT-3' 5'-ACGUGACACGUUCGGAGAATT-3'
miR-194 inhibitor	5'-UGUAACAGCAACUCCAUGUGGA-3'
miR-217 inhibitor	5'-UACUGCAUCAGGAACUGAUUGGA-3'
miR-423-5p inhibitor	5'-UGAGGGGCAGAGAGCGAGACUUU-3'
miR-22-3p inhibitor	5'-AAGCUGCCAGUUGAAGAACUGU-3'
miR-222 inhibitor	5'-ACCCAGUAGCCAGAUGUAGCU-3'
NC inhibitor	5'-UCACAACCUCCUAGAAAGAGUAGA-3'
NUMB-siRNA-1	5'-GGACCTCATAGTTGACCAG-3'
NUMB-siRNA-2	5'-GCCUUGCAAUUAGGCUAAATT-3'
NC-siRNA	5'-CCTAAGGTAAAGTCGCCCTCGCTC-3'
APOH	F: 5'-ATCTGCCCTCTCACAGGACT-3' R: 5'-GTCGTATAGCGTACGGCTCC-3'
GPR83	F: 5'-TTGCCCAGTACTGCTCACTG-3' R: 5'-AGAACGTAGCCATGGTCCAG-3'
PSG1	F: 5'-GACTCCAGACGCAAGCTACC-3' R: 5'-GCACTCACTGGGTTCCGTAT-3'
SERPINE2	F: 5'-CTTTGAGGATCCAGCCTCTG-3' R: 5'-TGCGTTTCTTTGTGTTCTCG-3'
NUMB	F: 5'-CCAGAAGAUGUCACCCUUUTT-3' R: 5'-AAAGGGUGACAUCUUCUGGTT-3'
TRA2B	F: 5'-CGGCGAGCGGGAATCCCG-3' R: 5'-GACATGGGAGAATGGCTGTGGC-3'
DPF3	F: 5'-TCGGGGACCAGTTCTACAAG-3' R: 5'-GATCTTCAGGTGGGTGCAAT-3'
EVI5	F: 5'-TGGGCTGGTCTCGAACTCCTAAC-3' R: 5'-GCAGTGGCTCACACCTGTAATCC-3'
HPRT	F: 5'-CATTTGTGCGATGCTCAATCC-3' R: 5'-TCAGTTGAAGTCATTGATGATGG-3'
miR-222	F: 5'-ACA CTC CAG CTG GGA GCT ACA TCT GGC TAC TG-3' R: 5'-CTC AAC TGG TGT CGT GGA-3'
miR-21-5p	F: 5'-TAGCTTATCAGACTGATGTTGA-3' R: 5'-AGTGCGTGTCGTGG-3'
miR-194	F: 5'-CACGCATGTAACAGCAAC-3' R: 5'-CCAGTGCAGGGTCCGAGGTA-3'
miR-217	F: 5'-TAC TCA ACT CAC TAC TGC ATC AGG A-3' R: 5'-TAT GGT TGT TCT GCT CTC TGT GTC-3'
miR-423-5p	F: 5'-ACACTCCAGCTGGGTGAGGGGCAGAGAGCGA-3' R: 5'-CTCAACTGGTGTGTCGTGGAGTCGGCAATTCAGTTGAGAAAGTC-3'
miR-21-3p	F: 5'-GGGGCAACACCAGTCGATG-3' R: 5'CAGTGCGTGTCGTGGAGT-3'
miR-455-5p	F: 5'-CGAGCTTCCTTCTGCAGGT-3'

miR-15a	R: 5'-CACCACTGCCATCCCACA-3' F: 5'-GGGGTAGCTTATCAGACTG-3'
miR-22-3p	R: 5'-AGTGC GTGTCGTGGAGTC-3' F: 5'-AAGCTGCCAGTTGAAGA ACTGTA-3'
U6	R: 5'-TTACCTAGCGTATCGTTGAC-3' F: 5'-AGA GAA GAT TAG CAT GGC CCC TG-3' R: 5'-ATC CAG TGC AGG GTC CGA GG-3'

Abbreviations: F: Forward; R: Reverse.

Supplementary Table 2. The information of antibodies used for western blot assays in this study.

Name	Company	Cat No.
E-cadherin	Sino Biological, Beijing, China	10204-H08H1
Vimentin	Sino Biological, Beijing, China	10028-H08B
MMP2	Sino Biological, Beijing, China	10082-HNAH
MMP3	Sino Biological, Beijing, China	10467-HNAE
NUMB	Sino Biological, Beijing, China	100576-T36
APOH	Santacruz, California, USA	sc-134264
GPR83	FineTest, Wuhan, China	FNab03611
PSG1	Abcam, Cambridge, UK	Ab233130
SERPINE2	FineTest, Wuhan, China	FNab07752
TRA2B	bioss, Beijing, China	bs-17180R-1
DPF3	Sino Biological, Beijing, China	102918-T08
EVI5	AtaGenix, Wuhan, China	ATA28904
Beta-actin	Sino Biological, Beijing, China	12269-H08H
Anti-rabbit 2nd	Invitrogen, California, USA	DXT-081094
Anti-mouse 2nd	Invitrogen, California, USA	081342