

**Supplementary Table 1. Oligonucleotide sequences for transfection**

Gene	Primer sequence (5'-3')
scRNA (control RNA)	UCACAACCUCCUAGAAAGAGUAGA
TWF1 siRNA (siTWF1)	CGUUACCAUUUCUUUCUGUUU
miR-103-3p	AGCAGCAUUGUACAGGGCUAUGA
antimiR-103	UCAUAGCCCUGUACAAUGCUGCU

**Supplementary Table 2. Primer lists and conditions for qRT-PCR and cloning**

(A) Mouse primer lists for qRT-PCR and RT-PCR

Gene		Primer sequence (5'-3')	Product size	Annealing temperature	Concentration		Cycle
					cDNA	Primer	
U6	F.P	CTCGCTTCGGCAGCACA	94	58			
	R.P	AACGCTTCACGAATTTGCGT					
PCNA	F.P	GAACCTGCAGAGCATGGACTC	201	58			
	R.P	GGTGTCTGCATTATCTTCAGCCC					
CCNB1	F.P	GAGCTATCCTCATTGACTGG	125	58	2 ng/μl	0.5 μM	40
	R.P	CATCTTCTTGGGCACACAAC					
CCND1	F.P	ACCAATCTCCTCAACGACCG	228	58			
	R.P	ACGGAAGGGAAGAGAAGGG					

(B) Primer lists for wild-type and mutant 3'UTR cloning

Gene		Primer sequence (5'-3')	Product size	Annealing temperature	Concentration		Cycle
					cDNA	Primer	
TWF1 <sub>wt</sub>	F.P	CCTAGAGAGATTTTGAGCCTC	649	58			
	R.P	ATTCTGGAATGTCCATTAC					
TWF1 <sub>mut</sub>	F.P	CCTAGAGAGATTTTGAGCCTC	178	58	2 ng/μl	0.5 μM	35
	R.P	GTGATTTATGCCCGATAAAGTTTAG					
	F.P	CTAAACTTTATCGGGCATAAATCAC	496	58			
	R.P	ATTCTGGAATGTCCATTAC					

**Supplementary Table 3. Antibodies list**

Antibody	Type	Targeted species	Manufacturer	Cat. No.	Dilution ratio*
TWF1	Polyclonal	Rabbit	Proteintech, Rosemont, IL, USA	11732-1-AP	1:5,000
MyHC	Monoclonal	Mouse	DSHB, Iowa, IA, USA	MF20	1:1,000
MyoD	Monoclonal	Mouse	Santa Cruz Biotechnology, Dallas, TX, USA	sc-377460	1:1,000
MyoG	Monoclonal	Mouse	Santa Cruz Biotechnology, Dallas, TX, USA	sc-12732	1:1,000
YAP1	Monoclonal	Rabbit	Cell Signaling Technology, Danvers, MA, USA	14074S	1:10,000
pYAP1	Polyclonal	Rabbit	Cell Signaling Technology, Danvers, MA, USA	4911S	1:10,000
Lamin B2	Monoclonal	Rabbit	Abcam, Cambridge, United Kingdom	ab151735	1:2,500
$\alpha$ -Tubulin	Monoclonal	Mouse	DSHB, Iowa, IA, USA	12G10	1:2,000
$\beta$ -actin	Monoclonal	Rabbit	Sigma-Aldrich Chemical, St. Louis, USA	A2066	1:10,000
Antibodies HRP-linked anti-rabbit IgG			Cell Signaling Technology, Danvers, MA, USA	#7074	1:10,000
Goat anti-mouse (H + L)			Invitrogen, ThermoFisher Scientific, Waltham, MA, USA	#32430	1:2,000

\*All blots were visualized using a Femto reagent (Thermo Fisher Scientific).