



Figure S1. Effect of actin stress fibers inhibitor on stretching-increased Tnmd expression and tenocyte migration. (A) The F-actin organization was detected via phalloidin staining (scale bar, 100 μ m). (B) Western blotting was used to analyze the expression of Tnmd protein. (C) Quantification of the Tnmd expression. (D) Migratory tenocytes were detected by a Transwell assay (scar bar, 100 μ m). (E) The migration was counted and quantized. The graph shows the mean with SD; n = 3, * p < 0.05; ** p < 0.01; *** p < 0.001.

Table 1. The list of primers

Target genes	Name	Primer sequences (5'-3')
Tnmd	Forward	GTGGTCCCACAAGTGAAGGT
	Reverse	GTCTTCTCGCTTGCTTGTC
GAPDH	Forward	GCAAGTTCAACGGCACAGTCA
	Reverse	CACCCCATTTGATGTTAGCGG

Table 2. The list of shRNA

Target genes	Name	sequences (5'-3')
Tnmd	Tnmd-shRNA1 sense	CCGGCGGATACACTGGCATCTACTT CTCGAGAAGTAGATGCCAGTGTATCCGTTTTTTG
	Tnmd-shRNA1 antisense	AATTCAAAAACGGATACACTGGCAT CTACTTCTCGAGAAGTAGATGCCAGTGTATCCG
	Tnmd-shRNA2 sense	CCGGGAGAGGTTACTGTTGTATTTACT CGAGTAAATACAACAGTAACCTCTCTTTTTG

Control	Tnmd-shRNA2 antisense	AATTCAAAAAGAGAGGTTACTGTTGTA
		TTTACTCGAGTAAATACAACAGTAACCTCTC
	control-shRNA sense	CCGGCCTAAGGTTAAGTCGCCCTCGCTCG
		AGCGAGGGCGACTTAACCTTAGGTTTTTG
	control-shRNA antisense	AATTCAAAAACCTAAGGTTAAGTCGCCC
		TCGCTCGAGCGAGGGCGACTTAACCTTAGG