

Supplementary Table 1. The Sequencing Primers

Genes	Primer sequences
siALK5	F: 5'-GACUAAUCCUCGAGAUATT-3'
	R: 5'- UAUCUCGAGGAAUUAAGUCTT-3'
siPRKD3	F: 5'- CGAUAUGUCAGUACUGCAATT-3'
	R: 5'- UUGCAGUACUGACAUUCGTT-3'

Supplementary Table 2. The qRT-PCR primer sequence

Genes	Primer sequences
CLU	F: 5'- AGCTCGCTGAGAAGTTCACC-3'
	R: 5'- TTGTGGGAAGACACCGTGG-3'
TGF- β 1	F: 5'-TACCTGAACCCGTGTTGCTC-3'
	R: 5'- CCGGTAGTGAACCCGTTGAT-3'
COL1A2	F: 5'-TGGTCTCGGTGGAACTTTG-3'
	R: 5'- CACCCTGTGGTCCAACAAC-3'
α -SMA	F: 5'- AGCCAAGCACTGTCAGGAAT-3'
	R: 5'- CACCATCACCCCTGATGTC-3'
PRKD3	F: 5'- GAGCCTGCCACTGCTAACTA-3'
	R: 5'- GTCCTCATTTTCATTCTGGGGG-3'
GAPDH	F: 5'- GGATTTGGTTCGTATTGGGCG-3'
	R: 5'- TCCCGTTCAGCCATGTAGT-3'

Supplementary Table 3.

Variable	Non-LFH Group (n=22)	LFH Group (n=22)	P value
Age(years)	44.91 \pm 2.59	61.23 \pm 1.28	<0.01
Gender(male:female)	12:10	12:12	
LF thickness	3.05 \pm 0.09	5.91 \pm 0.20	<0.01
Lumbar level	L4/5	L4/5	