

Table S1. The mimic and inhibitor of miR-27b-3p and siRNAs used for RNA interference.

Fragment Name	Sequence (5' to 3')
mmu-miR-27b-3p mimic	UUCACAGUGGCUAAGUUCUGC
mmu-miR-27b-3p inhibitor	GCAGAACUUAGCCACUGUGAA
si-m-Cbl-b_001	CCACCGTATATACTTGAT
si-m-Cbl-b_002	GCAATATCCTACAGACCAT
si-m-Cbl-b_003	GCTCCGAGCAGGTTCTTAT
si-m-Cbl-b_004	ATCGAACATCCCAGATTTA
si-m-Cbl-b_005	GAGCATACT TCGAGAATTT
si-m-Cbl-b_006	TGAACCTACACCTCACGAT

Table S2. Primers used for qPCR.

Primer Name	Primer Sequences (5' to 3')	Size (bp)
Cbl-b	F: CGCATTTTGGGGATTATTG R: GCTTGGGATTTTGGCACAG	133
Atrogin-1	F: GCAGAGAGTCGGCAAGTC R: CAGGTCGGTGATCGTGAG	142
MuRF-1	F: AGTGTCCATGTCTGGAGGTCGTTT R: ACTGGAGCACTCCTGCTTGTAGAT	139
FoxO1	F: TGGTGAAGAGCGTGCCCTACT R: TTGCCCAGACTGGAGAGATGC	275
FoxO3	F: TCGTCTCTGAACTCCTTGCGT R: TGGTGGAGCAAGTTCTGATTG	296
GAPDH	F: CACCATCTTCCAGGAGCGAG R: CCTTCTCCATGGTGGTGAAGAC	101

Table S3. Gene sequence of 3'UTR inserted in pmirGLO vector

Name	sequences (5' to 3')
Wild-type	gagctcCCAGCTTCTCTGGTTCCACAGCTCTCTTAGGATGCCC ACACTGAAGCTTCTGTGTTTGTGCTAGCCATACTTTGAAAT CAGGGTTGAACTGATAAAATAATTTAAAGACGTTTACTCCC CCTTGAACCTTGAATCTGTGAAATGCTTTTCCTTGTTTACAC GTTGGCAGAATTGCAGTTTGTCTCTGTTTTTGATCCCTGTAC TGTGTTCCCTGACAGGCCCTTTGCAGAGTTGCTCAGGTCTGC TGTAAGTTTCTCCATGCCTGCCCTGGTGctcgag
Mutated form	gagctcCCAGCTTCTCTGGTTCCACAGCTCTCTTAGGATGCCC ACACTGAAGCTTCTGTGTTTGTGCTAGCCATACTTTGAAAT CAGGGTTGAACTGATAAAATAATTTAAAGACGTTTACTCCC CCTACGACTTCGAATCTGTGAAATGCTTTTCCTTGTTTACAC GTTGGCAGAATTGCAGTTTGTCTCTGTTTTTGATCCCTGTAC TGTGTTCCCTGACAGGCCCTTTGCAGAGTTGCTCAGGTCTGC TGTAAGTTTCTCCATGCCTGCCCTGGTGctcgag