

qRT-PCR primers

HOTAIR:

5'-CAGTGGGGAAGTCTGACTCG-3'(forward),

5'-GTGCCTGGTGCTCTTACC-3' (reverse)

Atg3:

5'- ATGGGAGTTGGCGAAGGCAAGT -3' (forward)

5'- AGCTCCACGTATCGAAGACAGC -3' (reverse)

Atg4:

5'- TATTGGTGGCAAACCTAAACAGTC -3' (forward)

5'- TTGGGAGAAGGGCAGTGGAATGA -3' (reverse)

Atg5:

5'- GCAGATGGACAGTTGCACACA -3' (forward)

5'- GAGGTGTTTCCAACATTGGCTCA-3' (reverse)

Atg7:

5'- CGTTGCCACAGCATCATCTTC -3' (forward)

5'- CACTGAGGTTACCATCCTTGG-3' (reverse)

Atg8:

5'- CAGAACTGCTGGTGAGGACACT -3' (forward)

5'- AGCAGGCTGATAGGAAAGGCGA-3' (reverse)

Atg9:

5'- GCTTCCTCAAGGAGCAGGTTCA -3' (forward)

5'- CCACATTTGCGATAAGGCTCAGG-3' (reverse)

Atg10:

5'-CTACGGAAGAGAACCAGGAGCT -3' (forward)

5'- CTGGTAGAGGTTCCCTTTGCTGC-3' (reverse)

Atg12:

5'-GGGAAGGACTTACGGATGTCTC -3' (forward)

5'- AGGAGTGTCTCCCACAGCCTTT-3' (reverse)

LC3B:

5'-CTGAGATTGGTGTGGAGACG-3' (forward)

5'- CGGTGATAATAGAACGATACAAGG -3' (reverse)

18S:

5'-ACCCGTTGAACCCCATTCGTGA-3' (forward)

5'-GCCTCACTAAACCATCCAATCGG-3' (reverse)

siRNA for HOTAIR:

target sequence: siRNA, 5'-AAAUCCAGAACCCUCUGACAUUUGC-3'