Gapdh-F: AGGTCGGTGTGAACGGATTTG

Gapdh-R: GGGGTCGTTGATGGCAACA

Grpel1-F: TTGGCACTGTCGTTCAGGC

Grpel1-R: GGATCTGTCTTTGGCTCACAAT

Ifngr2-F：TCCTCGCCAGACTCGTTTTC

Ifngr2-R：ACGGCTCCCAAGTTAGAATCT

Adamts5-F：CCCAGGATAAAACCAGGCAG

Adamts5-R：CGGCCAAGGGTTGTAAATGG

Mmp13-F: TGTTTGCAGAGCACTACTTGAA

Mmp13-R: CAGTCACCTCTAAGCCAAAGAAA

Aggrecan-F: GTGGAGCCGTGTTTCCAAG

Aggrecan-R: AGATGCTGTTGACTCGAACCT

Col2a1-F: GGGTCACAGAGGTTACCCAG

Col2a1-R: ACCAGGGGAACCACTCTCAC