|  |  |  |
| --- | --- | --- |
| **Gene** | **Forward (5’-3’)** | **Reverse (3’-5’)** |
| **Human** |  |  |
| *ACTA2* | AATGCAGAAGGAGATCACGG | TCCTGTTTGCTGATCCACATC |
| *COL1A1* | CCCCTGGAAAGAATGGAGATG | TCCAAACCACTGAAACCTCTG |
| *COL3A1* | AAGTCAAGGAGAAAGTGGTCG | CTCGTTCTCCATTCTTACCAGG |
| *BGN* | TGGAGAACAGTGGCTTTGAAC | GTTGTGGTCTAGGTGGAGTTC |
| *FBN1* | ACCCTATGCCAAGTTGATCC | ACTGACACTTGAATGACCCC |
| *FBLN1* | GAGGAACAAGAGGACCCATATC | CTTCACAGGAGACACCATCAG |
| *FBLN5* | TCTGTGCGAATGTTCCTGG | TGAAAGAGCCGTAGGTGTTG |
| *GAPDH* | CCATGTTCGTCATGGGTGTGAACCA | GCCAGTAGAGGCAGGGATGATGTTC |
| **Mouse** |  |  |
| *Acta2* | GTGAAGAGGAAGACAGCACAG | GCCCATTCCAACCATTACTCC |
| *Col1α1* | CATAAAGGGTCATCGTGGCT | TTGAGTCCGTCTTTGCCAG |
| *Col3α1* | GAAGTCTCTGAAGCTGATGGG | TTGCCTTGCGTGTTTGATATTC |
| *Bgn* | CTGAGTTTTCTGCCTACCCTG | AGAAGTCATTGATGCCCACC |
| *Fbn1* | AATGAAGGCTATGAGGTGGC | TCTGTAGACTATACCCAGGCG |
| *Fbln1* | TTCGACATCACAGAAGGGAAC | AACACGTAGTTCATCTCCAGC |
| *Fbln5* | ATGTCGCTATGGTTACTGCC | GGTCTGAACACAGGGATTCTC |
| *Gapdh* | CTTTGTCAAGCTCATTTCCTGG | TCTTGCTCAGTGTCCTTGC |

**Supplementary Table S1 Primer sequence of target genes**