**Supplementary Table 1 Primer sequences**

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| --- | --- | --- | --- |
| Primer | Sequence | Length of PCR product(bp) | Tm(ºC) |
| COL6A3 | tctgttcctctttgacggctccaccttgacatcatcgctg | 146 | 58 |
| SERPINH1 | ctgtccggtgcatcatcatggccatgttcttcaagccaca | 115 | 58 |
| PLEKHG1 | tgcacttaaaacccagcgacaccccagagttagccttcac | 187 | 58 |
| PGA4 | gaagcacaacctcaacccagatgccgatagtgccgaagta | 117 | 58 |
| KCNE2 | atcctggtgagcactgtgaattctcatggatggtggcctt | 140 | 58 |
| GIF | gctcaaatcctcccttcccttgttagatgcagaggtgggg | 130 | 58 |