

| Table S1. Sequences of <i>COL11A1</i> and <i>COL11A2</i> primers used in this study. |                                            |      |                       |
|--------------------------------------------------------------------------------------|--------------------------------------------|------|-----------------------|
| Name                                                                                 | Sequence                                   | Size | Use                   |
| pSPL3COL11A1-c.2241+5G>T-F                                                           | ctgactgaCTCGAGctttaattg<br>aggctgggggttgaa | 823  | Cloning               |
| pSPL3COL11A1-c.2241+5G>T-R                                                           | tcagtcagGGATCCaaaatgat<br>cctaccctgctact   |      |                       |
| pSPL3COL11A1-c.2461-2A>G-F                                                           | ctgactgaCTCGAGtcatttgtg<br>aagtgctaaagaagt | 750  | Cloning               |
| pSPL3COL11A1-c.2461-2A>G-R                                                           | tcagtcagGGATCCgatgatgg<br>gtttgagtggaatgt  |      |                       |
| pSPL3COL11A1- c.3204+5G>C-F                                                          | ctgactgaCTCGAGtataagac<br>cgtagctccgttga   | 820  | Cloning               |
| pSPL3COL11A1- c.3204+5G>C-R                                                          | tcagtcagGGATCCttccaatc<br>atccaaacccttctg  |      |                       |
| pSPL3COL11A2- c.4134+1G>A-F                                                          | ctgactgaCTCGAGtccatgt<br>cctcttgcccttctc   | 600  | Cloning               |
| pSPL3COL11A2- c.4134+1G>A-R                                                          | tcagtcagGGATCCtactacag<br>gaggggcagtct     |      |                       |
| COL11A1-ex35-F                                                                       | tcaacagaagagcaaagtaaaat<br>agc             | 250  | PCR and<br>sequencing |
| COL11A1-ex35-R                                                                       | gatgaggtgctagagatggaat<br>tt               |      |                       |
| COL11A1_ex24_F                                                                       | agggtcatcctgggaaagaag                      | 266  | PCR and<br>sequencing |
| COL11A1_ex24_R                                                                       | aatatgcacgtattcctagccatg<br>g              |      |                       |