

Supplemental Table S1. List of primer sequences used in this study

| Primers used for vector construction | |
|--------------------------------------|---|
| COL8/F | 5'-AAGGATCCATGACAAGTCACCAAAATATCAA-3' |
| COL8/R | 5'-TTGGATCCCTAAGAGTCGATGGCTAAAGA-3' |
| COL8/GFP/R | 5'-AGGATCCAGAGTCGATGGCTAAAGATC-3' |
| SmaI/GFP/F | 5'-TTCCCGGGTACCATGGTGAGCAAGGGCGAGGAG-3' |
| SacI/GFP/R | 5'-TTGAGCTCTTACTTGTACAGCTCGTCCAT-3' |
| COL8/genome/F | 5'-CACCTACAAAAGCCTTGACCGCCACA-3' |
| COL8/pro/R | 5'-TTGGTGACTTGTTCATGGGCTAAGAACAAGA-3' |
| Primers used in RT-PCR reactions | |
| COL8 (981 bp) | |
| COL8/F ^a | 5'-AAGGATCCATGACAAGTCACCAAAATATCAA-3' |
| COL8/R ^a | 5'-TTGGATCCCTAAGAGTCGATGGCTAAAGA-3' |
| COL8 (370 bp) | |
| COL8/RT/F-2 ^b | 5'-AGGATCCGTTTGTAGAGCTGCAAGAAAGAT-3' |
| COL/RT/R ^b | 5'-CTAAGAGTCGATGGCTAAAGATC-3' |
| COL8 AS (1009 and 1113 bp) | |
| COL8/5UTR/F | 5'-ACTTTAAGATCTTCTTGTCTTAGCC-3' |
| COL8/RT/R | 5'-CTAAGAGTCGATGGCTAAAGATC-3' |
| UBQ10 | |
| UBQ10/F | 5'-CCGAAAACAATTGGAGGATGGT-3' |
| UBQ10/R | 5'-GTCATTAGAAAGAAAGAGATAAC-3' |
| ACT2 | |
| Actin2/8F | 5'-GGTAACATTGTGCTCAGTGGTGG-3' |
| Actin2/8R | 5'-AACGACCTTAATCTTCATGCTGC-3' |
| COL8 | |
| UCOL8 ^c | 5'-TCTGCAAACCATGTAGCGACA-3' |
| LCOL8 ^c | 5'-CCGAGGTTAATGTTGTTCCCC-3' |
| CO | |
| CO/19 ^c | 5'-AACGACATAGGTAGTGGAGAGAACAAC-3' |
| CO/89 ^c | 5'-GCAGAATCTGCATGGCAATACA-3' |
| FT | |
| FT/253 ^c | 5'-TATCTCCATTGGTTGGTGACTG-3' |
| FT/318 ^c | 5'-GGGACTTGGATTTTCGTAACAC-3' |

^aThe primers were used in RT-PCR to determine the amount of *COL8* mRNA in various organs.

^bThe primers were used to determine the *COL8* mRNA accumulation levels in *COL8-ox* and *col8* plants.

^cThe primers were used in the real-time PCR experiments.