Supplementary Table 1. Primer sequences for qPCR

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| Primer name | Forward primer | Reverse primer |
| Pycard | 5’-ACTAAAGAAGAGTCTGGAGC-3’ in exon 1 and 2 | 5’-GAGGAGGGAGTCCTTGCAGG-3’ in exon 3 |
| Msx1 | 5’-CTCTCGGCCATTTCTCAGTC-3’ in exon 1 | 5’-TACTGCTTCTGGCGGAACTT-3’ in exon 2 |
| Olfm4 | 5’-GGACCTGCCAGTGTTCTGTT-3’ in exon 2 | 5’-GACCTCTACTCGGACCGTCA-3’ in exon 3 |
| Slc25a43 | 5’-GATTGATGGTGCAGAACGTG-3’ in exon 2 | 5’-GGGGTCCATTCCAGACTTTT-3’ in exon 3 |
| Hoxc5 | 5’-GCAGTGGGGAGATCAAAGAG-3’ in exon 1 | 5’-TGAGGTAGCGGTTAAAATGGA-3’ in exon 2 |
| Acp5 | 5’-CGTCTCTGCACAGATTGCAT-3’ in exon 3 | 5’-AACTGCTTTTTGAGCCAGGA-3’ in exon 4 |
| En1 | 5’-ACACAACCCTGCGATCCTAC-3’ in exon 1 | 5’-GATATAGCGGTTTGCCTGGA-3’ in exon 2 |
| Fut4 | 5’-GAGGGAGCAGTGACGCTAAC-3’ in exon 1 | 5’-GTTGGATCGCTCCTGGAATA-3’ in exon 1 |
| P2rx7 | 5’-TGTGTGCATTGACTTGCTCA-3’ in exon 11 | 5’-CTTGCAGACTTTTCCCAAGC-3’ in exon 12 |
| Fscn1 | 5’-CCGCAGGTTAACATCTACAGC-3 in exon 1 | 5’-GCGAAAGGCACACTTTCTTG-3’ in exon 2 |
| Prrx1 | 5’-CACCTGCTAGACCTGGAGGA-3’ in exon 1 | 5’-TCCGCTGCTTTCTCTTCTTC-3’in exon 2 |
| Ctsz | 5’-AATGCTGGCTCTTGTGAAGG-3’ in exon 3 | 5’-GCATAGATCTCGGCCATCAT-3’ in exon 4 |
| Efemp1 | 5’-GAAGTTCAAACTGGCCGAAA-3in exon 4 | 5’-TCACCTCGCTTCTGATACCC-3’in exon 5 |