**Table S1. Primers used for qRT-PCR and cloning**

| Genes | Forward primer sequences: | Reverse primer sequences |
|---|---|---|
| *Runx2* | TCCTGTAGATCCGAGCACCA | CTGCTGCTGTTGTTGCTGTT |
| *Alp* | CCAGAAAGACACCTTGACTGTGG | TCTTGTCCGTGTCGCTCACCAT |
| *Osterix* | GGCTTTTCTGCGGCAAGAGGTT | CGCTGATGTTTGCTCAAGTGGTC |
| *Bsp* | AATGGAGACGGCGATAGTTCCG | GGAAAGTGTGGAGTTCTCTGCC |
| *Opn* | GCTTGGCTTATGGACTGAGGTC | CCTTAGACTCACCGCTCTTCATG |
| *β-actin* | AAGACCTCTATGCCAACACAG | GGAGGAGCAATGATCTTGATC |
| *MTSS1* | CACCTGAAGCTGCCAACCAGTT | AGCGTAGTCAGGAAGGTGGACA |
| *Src* | GTTGCTTCGGAGAGGTGTGGAT | CACCAGTTTCTCGTGCCTCAGT |
| *Src full-length cloning* | TTGGTACCGAGCTCGGATCCGCCACC ATGGGCAGCAACAAGAGCAA | GCTGGATATCTGCAGAATTCCTAT AGGTTCTCCCCGGGCTGGTACT |
| *MTSS1* shRNA oligo pair | GATCCGTAGACAACTGGTTGGCAGC TTCAAGAGAGCTGCCAACCAGTTGT CTATTTTTTACGCGTG | AATTCACGCGTAAAAAATAGACAAC TGGTTGGCAGCTCTCTTGAAGCTG CCAACCAGTTGTCTACG |

**Table S2. siRNA sequences used for gene silencing**

| Genes | Sense sequences | Antisense sequences |
|---|---|---|
| MTSS1 siRNA-1 | GCAAUAUACCCUCUUCCUUTT | AAGGAAGAGGGUAUAUUGCTT |
| MTSS1 siRNA-2 | GCUGCCAACCAGUUGUCUATT | UAGACAACUGGUUGGCAGCTT |