**S1 Table. Human primer sequences.**

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| **gene symbol** | **forward primer (5’→ 3’)** | **reverse primer (5’→ 3’)** | **product length (bp)** |
| **ALPL**a | GGCTTCTTCTTGCTGGTGGA | CAAATGTGAAGACGTGGGAATGG | 181 |
| **COL1A1**b | TGAGCCAGCAGATCGAGA | ACCAGTCTCCATGTTGCAGA | 178 |
| **GAPDH**c | TCAACAGCGACACCCAC | GGGTCTCTCTCTTCCTCTTGTG | 203 |
| **IBSP**d | CGAGCCTATGAAGATGAGTACAGC | TGCACCTTCCTGAGTTGAACTTC | 163 |
| **OC**e | GCAGCGAGGTAGTGAAGAGAC | AGCAGAGCGACACCCTA | 193 |
| **ON**f | TGCATGTGTCTTAGTCTTAGTCACC | GCTAACTTAGTGCTTACAGGAACCA | 183 |
| **OPN**g | TGGAAAGCGAGGAGTTGAATGG | GCTCATTGCTCTCATCATTGGC | 192 |
| **OSX**h | TCAGAATCTCAGTTGATAGGGTTTCTC | GGGTACATTCCAGTCCTTCTCC | 183 |
| **RUNX2**i | AGCCTTACCAAACAACACAACAG | CCATATGTCCTCTCAGCTCAGC | 175 |

aALPL, alkaline phosphatase, liver/bone/kidney; bCOL1A1, collagen, type I, alpha 1; cGAPDH, glyceraldehyde-3-phosphate dehydrogenase; dIBSP, integrin-binding sialoprotein; eOC, osteocalcin; fON, osteonectin; gOPN, osteopontin; hOSX, osterix; iRUNX2, runt-related transcription factor 2.