**Additional file 1: Table S1.** Sequences of primers used for Real-time quantitative PCR

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| Genes | Sequences (5'--3') | Size (bp) |
| NEK2 | F: TCCCCACTGAAATGAACTTTCT  R: CAGCTTGCTAAAGGAACGGA | 102 |
| WNT1 | F: TGGCTGGGTTTCTGCTACG  R: CCCGGATT TTGGCGTATC | 207 |
| WNT4 | F: GAGGAGACGTGCGAGAAACTCAA  R: ATCCTGACCACTGGAAGCCCTGT | 346 |
| MMP9 | F: GCACCACCACAACATCAC  R:ACCACAACTCGTCATCGTC | 284 |
| DDIT3 | F: GCGACAGAGCCAGAATAACAGC  R:TTCTGCTTTCAGGTGTGGTGGT | 90 |
| Cyclin D1 | F: GATGCCAACCTCCTCAACGAC  R:CTCCTCGCACTTCTGTTCCTC | 171 |
| PPARδ | F: CACATCTACAATGCCTACCT  R:CTTCTCTGCCTGCCACAATGTCT | 132 |
| c-Myc | F: CAGCGACTCTGAGGAGGAAC  R:TGTGAGGAGGTTTGCTGTGG | 131 |
| GAPDH | F: GCTGAGAACGGGAAGCTTGT  R: GCCAGGGGTGCTAAGCAG | 299 |

*a* F, forward primer; R, reverse primer.