**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: TCCCCACTGAAATGAACTTTCTR: CAGCTTGCTAAAGGAACGGA | 102 |
| WNT1 | F: TGGCTGGGTTTCTGCTACGR: CCCGGATT TTGGCGTATC | 207 |
| WNT4 | F: GAGGAGACGTGCGAGAAACTCAA R: ATCCTGACCACTGGAAGCCCTGT | 346 |
| MMP9 | F: GCACCACCACAACATCACR:ACCACAACTCGTCATCGTC | 284 |
| DDIT3 | F: GCGACAGAGCCAGAATAACAGCR:TTCTGCTTTCAGGTGTGGTGGT | 90 |
| Cyclin D1 | F: GATGCCAACCTCCTCAACGACR:CTCCTCGCACTTCTGTTCCTC | 171 |
| PPARδ | F: CACATCTACAATGCCTACCTR:CTTCTCTGCCTGCCACAATGTCT | 132 |
| c-Myc | F: CAGCGACTCTGAGGAGGAACR:TGTGAGGAGGTTTGCTGTGG | 131 |
| GAPDH | F: GCTGAGAACGGGAAGCTTGTR: GCCAGGGGTGCTAAGCAG | 299 |

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