**Primer sequences for RT-PCR**

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| **Gene name** | **sequence** |
| *RUNX2 isoform II* | F: 5’ GCACAGTGACACCATGTCAGC 3’ |
| R: 5’ TGCTGTTGCTGCTGCTGTTG 3’ |
| *RUNX2 isoform I* | F: 5’ TGTGATGCGTATTCCCGTAGATC 3’ |
| R: 5’ TGCTGTTGCTGCTGCTGTTG 3’ |
| *PRDX2* | F: 5’ CCAGACGCTTGTCTGAGGAT 3’ |
| R: 5’ ACGTTGGGCTTAATCGTGTC 3’ |
| *SOD1* | F: 5’ AAGGCCGTGTGCGTGCTGAA 3’ |
| R: 5’ GGCCCACCGTGTTTTCTGGA 3’ |
| *SOD2* | F: 5’ GGAAGCCATCAAACGTGACTT 3’ |
| R: 5’ CCCGTTCCTTATTGAAACCAAGC 3’ |
| *CAT1* | F: 5’ CCAGAAGAAAGCGGTCAAGAA 3’ |
| R: 5’ GAGATCCGGACTGCACAAAG 3’ |
| *GPX1* | F: 5’ TCGGTGTATGCCTTCTCGG 3’ |
| R: 5’ CGTTCTCCTGATGCCCAAA 3’ |
| *HOXA10* | F: 5’ AGAGATTAGCCGCAGCGTCC 3’ |
| R: 5’ TTCCTGGGCAGAGCCTGAAG 3’ |
| *GAPDH* | F: 5’ GAAGGTGAAGGTCGGAGTC 3’ |
| R: 5’ GAAGATGGTGATGGGATTTC 3’ |
| *Human 18S rRNA* | F: 5’ GGATGCGTGCATTTATCAGA 3’ |
| R: 5’ GTTGATAGGGCAGACGTTCG 3’ |
| *TFRC* | F: 5' ACCATTGTCATATACCCGGTTCA 3' |
| R: 5' CAATAGCCCAAGTAGCCAATCAT 3' |
| *FIS1* | F: 5' CGGAGCAAGTACAATGATGAC 3' |
| R: 5' CCAGGTAGAAGACGTAATCCC 3' |