***Supplementary Table S1 Primers sequence and conditions used for qRT-PCR***

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| --- | --- | --- | --- | --- |
| **Gene** | **Primer sequence** | **Product size (bp)** | **Annealing temp.** | **Accession number of original sequence** |
| Cx 43 | F- ATCTTCATGCTTGTCGTGTC  R- CAGTGGTAGTGTGGTAAGGA | 123 | 60.5 | NM\_174068.2 |
| Cx 37 | F- CATCTTCCGCATTCTCATCC  R- CTGGTCATAGCAGACATTGG | 114 | 60.5 | NM\_001083738.1 |
| GDF9 | F- CCCTAAATCCAACAGAAGCC  R- GTTCCACAACAGTAACACGA | 148 | 60.5 | NM\_174681.2 |
| BMP15 | F- CATCCCTTACGGTATATGCTG  R- GTTTGGTCTCAGAGGAAAGTC | 179 | 56 | DQ463368.1 |
| ZP2 | F-CATCTTATCATCACGACTCATCTG  R- TTTCCATAACAATCCCGCTG | 163 | 60.5 | NM\_173973.2 |
| ZP3 | F- GAGGAAGATGAATGACCGTG  R- TTATTGGGAAGCAGACACAG | 174 | 56 | NM\_173974.2 |
| HSF1 | F- ACATAAAGATTCGCCAGGAC  R- GAGATGAGGAACTGGATGAG | 198 | 56 | GQ396661.1 |
| ZAR1 | F- GCTTCCAGTTCTTAGAGCAG  R- TGTAGTAAACCTTGTTAGTGCC | 110 | 56 | NM\_001076203.1 |
| bFGF | F- TGTGTCTATCAAAGGAGTGTG  R- GTCCAAGTTTATACTGCCCA | 196 | 56 | M13440.1 |
| BAX | F- CCTTTTGCTTCAGGGTTTCA  R- CGCTTCAGACACTCGCTCA | 123 | 60 | NM\_001191220.1 |
| BID | F- CTGTCGGAGGAGGACAGGAG  R- GTGGTCGGCTATCTTTTTGG | 135 | 60 | NM\_001075446.1 |
| BCL xL | F- TTGTGGCCTTTTTCTCCTTC  R- GATCCAAGGCTCTAGGTGGT | 128 | 60 | ENSBTAT00000008572 |
| MCL1 | F- TCGGAAACTGGACATCAAAA  R- CCACAAAGGCACCAAAAGAA | 128 | 58 | ENSBTAT00000020159 |
| GAPDH | F- TCAAGAAGGTGGTGAAGC  R- CCCAGCATCGAAGGTAGA | 122 | 57 | GU324291.1 |
| β-Actin | F- TCACGAAACTACCTTCAATTC  R- TCTTGATCTTCATTGTGCTGG | 164 | 56 | NM\_001290932.1 |