**Supporting Information**

**Table S1** List of primers

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Gene | Primer sequence | Product size | Annealing temp. | Accession number |
| BAX | F- CCTTTTGCTTCAGGGTTTCA  R- CGCTTCAGACACTCGCTCA | 123 | 60 | NM\_001191220.1 |
| MCL1 | F- TCGGAAACTGGACATCAAAA  R- CCACAAAGGCACCAAAAGAA | 128 | 58 | ENSBTAT00000020159 |
| Cx 43  (GJA 1) | F- ATCTTCATGCTTGTCGTGTC  R- CAGTGGTAGTGTGGTAAGGA | 123 | 60.5 | NM\_174068.2 |
| Cx 37  (GJA 4) | F- CATCTTCCGCATTCTCATCC  R- CTGGTCATAGCAGACATTGG | 114 | 60.5 | NM\_001083738.1 |
| HSF 1 | F- ACATAAAGATTCGCCAGGAC  R- GAGATGAGGAACTGGATGAG | 198 | 56 | GQ396661.1 |
| ZAR 1 | F- GCTTCCAGTTCTTAGAGCAG  R- TGTAGTAAACCTTGTTAGTGCC | 110 | 56 | NM\_001076203.1 |
| GDF 9 | F- CCCTAAATCCAACAGAAGCC  R- GTTCCACAACAGTAACACGA | 148 | 60.5 | NM\_174681.2 |
| BMP 15 | F- CATCCCTTACGGTATATGCTG  R- GTTTGGTCTCAGAGGAAAGTC | 179 | 56 | DQ463368.1 |
| ZP 2 | F-CATCTTATCATCACGACTCATCTG  R- TTTCCATAACAATCCCGCTG | 163 | 60.5 | NM\_173973.2 |
| ZP 3 | F- GAGGAAGATGAATGACCGTG  R- TTATTGGGAAGCAGACACAG | 174 | 56 | NM\_173974.2 |
| bFGF | F- TGTGTCTATCAAAGGAGTGTG  R- GTCCAAGTTTATACTGCCCA | 196 | 56 | M13440.1 |
| GAPDH | F- TCAAGAAGGTGGTGAAGC  R- CCCAGCATCGAAGGTAGA | 122 | 57 | GU324291.1 |
| GLUT1 | F-ACAGGCAGCTGGATGAGACT  R-TGTGGGTGAAGGAGACTCTG | 230 | 58 | AJ812564 |