**Supporting Information**

**Table S1** List of primers

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