S1 Table. Primer sequences used in RT-qPCR for selected genes.

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| --- | --- | --- | --- | --- | --- |
| Gene identification | Primer sequences (5´-3´, forward and reverse) | Location | GenBank accession number | Product length (bp) | Reference |
| BCL2-like 1 (BCL2L1) | F: GGTGAGTCGGATCGCAACTT | BCL2L1\_fw (486–505) | AB238936.1 | 70 | [1] |
| R: GTTCTCCTGGATCCAAGGCTCTA | BCL2L1\_rev (533–555) |
| DNA cytosine-5 methyltransferase3b (DNMT3b) | F: GGCCTCGGAAGTGTGTGA | DNMT3B\_fw (1779–1796) | NM\_181813.2 | 62 | [2] |
| R: TGATGTTGCCCTCGTGCTTA | DNMT3B\_rev (1821–1840) |
| Early growth response 1 (EGR1) | F: GTGCAATTGTGAGGGATGTG | EGR1\_fw (2695-2714) | BC118328 | 88 | [3] |
| R: TCCTTGTTTTGGCTCCCAAAG | EGR1\_rev (2763-2782) |
| Globin (Rabbit alpha-1 globin) | F: GCAGCCACGGTGGCGAGTAT | Globin\_fw (92-111) | NM\_001082389.2 | 257 | [4] |
| R: GTGGGACAGGAGCTTGAAAT | Globin\_rev (329-348) |
| Phosphodiesterase 3A (PDE3A) | F: TTCAGTGGACGGAGGGTATTGT | PDE3A\_fw (116-137) | XM\_002687752.2 | 98 | This work |
| R: AGCGGAACGGTCCATGAAG | PDE3A\_rev (195-213) |
| Peroxiredoxin 1 (PRDX1) | F: TCAAGCCTGATGTCCAGAAGAGC | PRDX1\_fw (593-615) | NM\_174431.1 | 174 | [5] |
| R: CCGTCCTGTCCCACACCAC | PRDX1\_rev (748-766) |
| Protein kinase cAMP-activated catalytic subunit alpha (PRKACA) | F: TCTGGGAAGGTGCGGTTTC | PRKACA\_fw (115-133) | NM\_174584.2 | 83 | This work |
| R: TTGGTGAGGTCCACTTGTAGGA | PRKACA\_rev (176-197) |
| SMAD family member 2 (SMAD2) | F: ACCCTTACCACTACCAGAGAGTTGA | SMAD2\_fw (162-186) | NM\_001046218 | 83 | This work |
| R: CAGTTCCGTTAGGATCTCGGTATG | SMAD2\_rev (221-244) |
| SLC2A8 (GLUT8) (Solute carrier family 2 facilitated glucose transporter, member 8) | F: GCATCTTCGGTGTCCTTTTCA | GLUT8\_fw (1441–1461) | AY208940 | 81 | [2] |
| R: CAAAATGGGCTGTGATTTGCT | GLUT8\_rev (1501–1521) |
| Zygote arrest 1 (ZAR1) | F: AGACTAGATGCTCCTGCCCAGT | ZAR1\_fw (1022-1043) | NM\_001076203.1 | 64 | [6] |
| R: TCTTGAGGGTGGGGCCGTTTAG | ZAR1\_rev (1064-1085) |

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