| Category                        | Gene      | Primer sequence (5'-3')                                                                 | ENSEMBL transcript ID |
|--------------------------------|-----------|----------------------------------------------------------------------------------------|----------------------|
| Mitochondria/antioxidant response | PPARGC1A | TCAAGACGGAGAGCCCTG<br>AGAGCCAATCCGCTCTTTGTC                                               | ENSORLT00000006028     |
|                                | SOD2      | TGACTGCACAGGTACCCTT<br>TCCATCAGCTCCCCCTCGG                                               | ENSORLT00000016614     |
|                                | CAT       | CTCAGGCTCCAGAAGTCCCA<br>CTACTGTTTCGGTCCTTGGT                                               | ENSORLT0000002176     |
| Proliferation/antiproliferation | CDKN1A    | AACATCTTCAACGTGGAGAAA<br>GCTTTGGTAGAAATCTGTGATGT                                               | ENSORLT0000000343     |
|                                | SIRT3     | AGAGCTGACTCTGCGAGACATT<br>CTGCCGGAGACCTGAAAT                                               | ENSORLT0000000105     |
| Paracrine signaling            | PTGES     | GCAAGAAGGCTTTTGCCAA<br>CCAGAAGGATATGGTAAGATGT                                               | ENSORLT00000004888     |
| Internal reference             | ACTB      | TGCAGACAGAAGTACGAA<br>ACTCCCTGCTTGACTCCACATCT                                               | ENSORLT00000017152     |
|                                | RPL 7     | TGTCATCAAGATCCGAGGATCA<br>TACACCCTTGAAGATCTGCG                                               | ENSORLT0000002998     |