**Supplementary table 1** Primer sequences of RT-qPCR

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| Gene | Species | Primer sequence |
| KLF6 | Rno | F: 5’-ACGACCAAGTTTACCTCTGAC-3’ |
| R: 5’-CAGCCCCATAGTTGAGAAGAT-3’ |
| SIRT5 | F: 5’-TGTCTGGGACCTGGTGCGGT-3’ |
| R: 5’-AAGGCTTCTCTCCGGTGTGCGT-3’ |
| GAPDH | F: 5’-GACATCAAGAAGGTGGTGAA-3’ |
| R: 5’-TGTCATACCAGGAAATGAGC-3’ |

Note: KLF6, kruppel like factor 6; SIRT5, sirtuin 5; GAPDH, glyceraldehyde-3-phosphate dehydrogenase; F, forward; R, reversed; RT-qPCR, reverse transcription-quantitative polymerase chain reaction