

**Table S1. List of gene-specific oligonucleotides used in the RT-qPCR and ChIP-pPCR experiments.**

Target gene	Forward (F) and Reverse (R) sequences (5' to 3')	Length	Amplicon size (bp)	Figures in which oligonucleotide pair was used
<i>baxa</i>	F: GACAGGGATGCTGAAGTGAC R: GTCGGCTGAAGATTAGAGTTG	20 21	158	6A
<i>bcl2l1</i>	F: TAGACAACCATATTCAACCCTG R: ACCCGTGAGCAAGGTCATTC	22 20	149	6A
<i>bdnf</i>	F: TTGGCGAAGAGCGGACGAAT R: ATAGTAACGAACAGGATGGTCA	20 22	154	4A
<i>bim</i>	F: CAGCGATTCTGTGCCAGGTT R: AGTTCACGAGCGACCACCAT	20 20	159	6A
<i>brg1</i>	F: CTTCACTGGAGGCATCGTTC R: AAGAGCAGCACTTTGTGGTTG	20 21	114	4A
<i>casp3a</i>	F: TACAATGACCAGACAGTTGCG R: ATCCACAGATGTATCAGTGCC	21 21	144	6A
<i>casp8</i>	F: AGGTTCAGGAATCAGAGTCAC R: ATTGTGCCAGCCGAAGAGTTT	21 21	131	6A
<i>cat</i>	F: ATGAAGCCGAGAGAGAGCGT R: TCAGCGTTGTGTTTATCCAGG	20 21	154	4A
<i>foxO3a</i>	F: CAGATTTATGATTGGATGGTCC R: ACTATGGAGCGACAGGTTATG	22 21	111	4A
<i>ldha</i>	F: GTTGGAATGGTTGGAATGGCT R: CTTGTGCGTCTTGAGAAACAG	21 21	147	4A
<i>mcl1a</i>	F: TACCGACGATGAAGCGAGTG R: CTGATGAAGTCCAGAGAGGC	20 20	115	6A
<i>nrf2</i>	F: TGCTGTCACTCCCAGAGTTG R: TGTTTGAGCCGAGCCGAGAT	20 20	152	4A
<i>sirt1</i>	F: CTGTAAGCATAAGGTGGACTG R: TACGGGACATCAGACGGACA	21 20	93	4A
<i>sirt6</i>	F: GACACGGTGGTCGGAGTGA R: TCGCCTGCTCGCCTCATCA	19 19	168	4A
<i>sod2</i>	F: TGTGCTAACCAAGACCCTTTG R: AACGCTCGCTGACATTCTCC	21 20	160	4A
<i>actb2</i> <sup>§</sup>	F: ATCACACCTTCTACAACGAGC R: GGCATACAGGGACAGCACAG	21 20	173	4A and 6A
<i>rpl13a</i> <sup>§</sup>	F: AGGTGTGAGGGTATCAACATC R: TTGGTTTTGTGTGGAAGCATAC	21 22	170	4A and 6A
<i>p-cat</i>	F: ACATCTATGAACCAAACCATTGA R: ATGACATCTTTCCAGTTACAG	23 22	230	4B
<i>p-ldha</i>	F: GTAGAGCAAGTAGTTTGACCG R: TGTGGCATAGGCAGTATTGAC	21 21	147	4B

<sup>§</sup> The *actin-beta2* (*actb2*) and *ribosomal protein L13a* (*rpl13a*) mRNAs were used to normalize all RT-qPCR data.