**Supplemental Table 3. Oligonucleotide sequences used in this manuscript**

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| --- | --- | --- |
| Hairpin | shDnmt1 #1 | ACCAAGCTGTGTAGTACTTTG |
| Hairpin | shDnmt1 #2 | TATATGAAGACCTGATCAATA |
| Hairpin | shDnm3a #1 | CGCTCCGCTGAAGGAATATTT |
| Hairpin | shDnm3a #2 | CCAGATGTTCTTTGCCAATAA |
| Hairpin | shDnmt3b #1 | GCACTTTAATCTGGCTACCTT |
| Hairpin | shDnmt3b #2 | CAAGAAAGACATCTCAAGATT |
| Q-PCR | Cyclophilin\_F | GGTGGAGAGCACCAAGACAGA |
| Q-PCR | Cyclophilin\_R | GCCGGAAGTCGACAATGATG |
| Q-PCR | Dnmt1\_f | GAGGACTGCAACGTGCTTCT |
| Q-PCR | Dnmt1\_r | GAGCGTCTGTAGGACACGAA |
| Q-PCR | Dnmt3a\_f | GTGGAGCCTGAAGCAGCTG |
| Q-PCR | Dnmt3a\_r | CTGGCACATGCCTCCAATGAA |
| Q-PCR | Dnmt3b\_f | CCATGGTGGTGTCCTGGAAA |
| Q-PCR | Dnmt3b\_r | CAGGACTGCTGGAGAAGGTCT |
| Q-PCR | Fgf21\_f | TCCAAATCCTGGGTGTCAAA |
| Q-PCR | Fgf21\_r | CAGCAGCAGTTCTCTGAAGC |
| Q-PCR | Ucp1\_f | CACCTTCCCGCTGGACACT |
| Q-PCR | Ucp1\_r | CCCTAGGACACCTTTATACCTAATGG |
| Q-PCR | Cidea\_f | ATCACAACTGGCCTGGTTACG |
| Q-PCR | Cidea\_r | TACTACCCGGTGTCCATTTCT |
| Q-PCR | Elovl3\_f | TCCGCGTTCTCATGTAGGTCT |
| Q-PCR | Elovl3\_r | GGACCTGATGCAACCCTATGA |
| Q-PCR | Dio2\_f | CAGTGTGGTGCACGTCTCCAATC |
| Q-PCR | Dio2\_r | TGAACCAAAGTTGACCACCAG |
| Q-PCR | Ppargc1a\_f | AGCCGTGACCACTGACAACGAG |
| Q-PCR | Ppargc1a\_r | GCTGCATGGTTCTGAGTGCTAAG |
| Q-PCR | Ccl2\_f | GTCCCTGTCATGCTTCTGG |
| Q-PCR | Ccl2\_R | GCGTTAACTGCATCTGGCT |
| Q-PCR | Tnfa\_f | ATGAGAAGTTCCCAAATGGC |
| Q-PCR | Tnfa\_r | CTCCACTTGGTGGTTTGCTA |
| Q-PCR | Il6\_f | CTCTGGGAAATCGTGGAAAT |
| Q-PCR | Il6\_r | CCAGTTTGGTAGCATCCATC |
| Q-PCR | F4/80\_f | CTTTGGCTATGGGCTTCCAGTC |
| Q-PCR | F4/80\_r | GCAAGGAGGACAGAGTTTATCGTG |
| MeDIP-qPCR | Fgf21- #1-f | CCAAACCCAGGGGGCCCATGCCT |
| MeDIP-qPCR | Fgf21- #1-r | CTGTCTGGGTATAAATTCTGGTA |
| MeDIP-qPCR | Fgf21-#2-f | TCTGAAGTGAGGCTGGAGACAAA |
| MeDIP-qPCR | Fgf21-#2-r | TCCCAAGGAGCATCTAAGGGGA |
| MeDIP-qPCR | Fgf21-#3-f | TGAAACTGACTGAAGGCTCAGAGAC |
| MeDIP-qPCR | Fgf21-#3-r | AGAGAACCCAGAAGGGACAGGGGC |
| MeDIP-qPCR | Fgf21-#4-f | AGGGTCCAGCACTGGCAGGGAGATT |
| MeDIP-qPCR | Fgf21-#4-r | CAGGAGGCAGGTTTGGTAAC |
| MeDIP-qPCR | Fgf21-distal1-f | GTTCTTCTGTATGCAAGCC |
| MeDIP-qPCR | Fgf21-distal1-r | TAGACCAGGCTGTTCTCAAAC |
| MeDIP-qPCR | Fgf21-distal2-f | GTGGTGGCTTCATAGAGAGAA |
| MeDIP-qPCR | Fgf21-distal2-r | TAAAGGCAAATGGGACAAAGGGAA |
| MeDIP-qPCR | Fgf21-distal3-f | GGGAGACCCAGGTGTGGCAGT |
| MeDIP-qPCR | Fgf21-distal3-r | GTTTCACATGTTTGCCCCAGC |