**Supplementary Table 3.** Primer sequences for RT-qPCR

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| Gene | Sequence |
| GAPDH | Forward primer: 5'-TGATTCTACCCACGGCAAGTT-3' |
|  | Reverse primer: 5'-TGATGGGTTTCCCATTGATGA-3' |
| GPX4 | Forward primer: 5'-GCCTGGATAAGTACAGGGGTT-3' |
|  | Reverse primer: 5'-CATGCAGATCGACTAGCTGAG-3' |
| ACSL4 | Forward primer: 5'-CCACACTTATGGCCGCTGTT-3' |
|  | Reverse primer: 5'-'GGGCGTCATAGCCTTTCTTG-3 |
| PTGS2 | Forward primer: 5'-GGTGCCTGGTCTGATGATGTATGC-3' |
|  | Reverse primer: 5'-CCTATGAGTATGAGTCTGCTGGTTTGG-3' |
| TET1 | Forward primer: 5'-CATTCTCACAAGGACATTCACAACA-3' |
|  | Reverse primer: 5'-AGTAAAACGTAGTCGCCTCTTCCTG-3' |
| TET2 | Forward primer: 5'-GACTGCTGTTTGGGTCTGAAGG-3' |
|  | Reverse primer: 5'-TGACCACCACTGTACTGCCATT-3' |
| TET3 | Forward primer: 5'-AGGCAGCTAAGCACCTCAG-3' |
|  | Reverse primer: 5'-GGCCCCGTAAGATGACACAG-3' |
| DNMT1 | Forward primer: 5'-GTGCCCTGCGTGGAGTCTGT-3' |
|  | Reverse primer: 5'-GTGGTTGTGCCGGTTCCCAGTG-3' |
| DNMT3a | Forward primer: 5'-CGACTGCGAGGTGGCTTGGGCTG-3' |
|  | Reverse primer: 5'-CTCCACCTTCTGAGACTCTCCAGAG-3' |
| DNMT3b | Forward primer: 5'-TTCAGTGACCAGTCCTCAGACACGAA-3' |
|  | Reverse primer: 5'-TCAGAAGGCTGGAGACCTCCCTCTT-3' |