**supplementary file 1b.** The sequences of gene-specific primers used for qRT-PCR

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| Gene name |  | sequence |
| ACSL4 | F-Primer | CATCCCTGGAGCAGATACTCT |
| ACSL4 | R-Primer | TCACTTAGGATTTCCCTGGTCC |
| ZEB2 | F-Primer | AATGCACAGAGTGTGGCAAGGC |
| ZEB2 | R-Primer | CTGCTGATGTGCGAACTGTAGG |
| GAPDH | F-Primer | GGAGCGAGATCCCTCCAAAAT |
| GAPDH | R-Primer | GGCTGTTGTCATACTTCTCATGG |
| CPT1A | F-Primer | GATCCTGGACAATACCTCGGAG |
| CPT1A | R-Primer | CTCCACAGCATCAAGAGACTGC |
| CPT1B | F-Primer | TGTATCGCCGTAAACTGGACCG |
| CPT1B | R-Primer | TGTCTGAGAGGTGCTGTAGCAC |
| CPT1C | F-Primer | TGCCATGTCGTTCCATTCTCCC |
| CPT1C | R-Primer | GCCGACTCATAAGTCAGGCAGA |