**Table S1 Primers of DE transcript an up-and down- stream genes**

|  |  |  |
| --- | --- | --- |
| Genes | Sense strands (5’-3’) | Anti-sense strands (5’ -3’) |
| *IRLnc* | AAGGTCAGTGGTGGATAGC | ATGTTGATTTCCTATGCCAGAG |
| *ACBD7* | TGAGAACCAGTAACAAGACC | ACCACAGAAGGAGGAAGG |
| *FASN* | TCGGAGAACCTGGAGGAGTT | TGTTCGCCTGCTTGGAGTG |
| *NR4A3* | CTCAAGCCTTCCTGCCTGTA | CGTGGTGGTGATGGTGGTA |
| *SRXN1* | GGTGGCTGATGGTATTGG | CGACTCCGTTCTTCCTTG |
| *LEP* | CAAGACCATAACAGCAGACT | CTCCAGGCAATCCACTTC |
| *ND6* | TATACTACTGCTATGGCTACTG | TCTACTTCCTCTTCCTTCAAC |
| *Novel3* | CTCCACCATCTGCTGTTG | CTGAGGCTCCTGGTAAGT |
| *C2CD3* | CTGAGTTAGGTGGTTGGAA | GCTGAATGACGAGAGTAGT |
| *Sec61B* | GTTCCAGTATTGGTTATGAGTCTTC | TTCCTTCCTTCTTCAGATGACAG |

*Note:* *IRLnc*: IMF-related LincRNA, *ACBD7*: Acyl-CoA Binding Domain Containing 7, *FASN*: Fatty acid synthase, *NR4A3*: Nuclear receptor subfamily 4 group A member 3, *SRXN1*: Sulfiredoxin 1, *LEP*: Leptin, *ND6*: Mitochondrially Encoded NADH: Ubiquinone Oxidoreductase Core Subunit 6, *Novel3*: novel gene 3, *C2CD3*: C2 Calcium Dependent Domain Containing 3, *Sec61B:* Sec61 translocon beta subunit.

**Table S2 Primers of siRNA probes**

|  |  |  |
| --- | --- | --- |
| Genes | Sense strands (5’-3’) | Anti-sense strands (5’ -3’) |
| siRNA-sus-727  |   GGAGUUGUCAUAUGAUGAATT  |   UUCAUCAUAUGACAACUCCTT |
| siRNA-sus-2333  |   GCUUCAGGCUGCAUGGAAUTT  |   AUUCCAUGCAGCCUGAAGCTT |
| siRNA-sus-2942  |   GCUUCAUAAGAGGAACUAATT  |   UUAGUUCCUCUUAUGAAGCTT |