### SUPPLEMENTARY TABLES

**Supplementary Table 5. The generic HPLC gradient.**

| Time   | A    | B    |
|--------|------|------|
| 0.0 min| 10%  | 90%  |
| 1.0 min| 10%  | 90%  |
| 11.0 min| 13%  | 87%  |
| 14.0 min| 20%  | 80%  |
| 16.5 min| 30%  | 70%  |
| 18.5 min| 50%  | 50%  |
| 20.5 min| 80%  | 20%  |
| 25.0 min| 80%  | 20%  |
| 25.1 min| 10%  | 90%  |
| 34.0 min| 10%  | 90%  |

**Supplementary Table 6. Primers used for quantitative real-time PCR.**

| Gene     | Forward primers                      | Reverse primers                      |
|----------|--------------------------------------|--------------------------------------|
| β-Actin  | 5’-GGAGATTACTGCGCTGGCTCCTA           | 5’-GACTCATCGTACTCCTGCTTGCTG         |
| P16_Ink4a| 5’-AAACATTTTCGGTGTCGATCC            | 5’-GTCTCTCGAGTTGAGTAC              |
| Scd      | 5’-CTCAGCGCTGGAAAGTG                | 5’-GAACGGAGATCTCTTGGAGCA            |
| Scd2     | 5’-GCAGATGTCGCTGGAAATTA             | 5’-CAATATGCAAGGGCGGTTGTAG          |
| Dgat2    | 5’-CTtcctggtgctagggagtgg            | 5’-GCCGAGGAGTTGAAGTAGAG            |
| Fads2    | 5’-Ttgcaacaagattgccc               | 5’-GGCTTCTTTGGTATTCATTG           |
| Lpin1    | 5’-TATGACACCGCTTGTCC               | 5’-GTGGCTGCCCCGTATTC              |
| Gpat3    | 5’-Tggactgatgggatcattcagaga        | 5’-GCCAGCTTGTCAATTACCAGAA         |
| Acaa2    | 5’-Gccgcacactattaaggct             | 5’-CGCTTGCGACAAACGATAAA           |
| Lpcat3   | 5’-Tttcctggtgctgctgctcgatg         | 5’-Cggacagatgtagctgctccttc        |
| Pcyt2    | 5’-Aggcgtggagggagtacagagag         | 5’-Aggcacatctctggctgcttgta        |
| Pla2g4a  | 5’-Stgttcaacagagtttgg             | 5’-Aaacagacaacgagatgg            |