**Supplementary Table 1.** Plasma triglyceride levels (mg/dL) of SD rats before FGT administration.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| GroupIndividual | Saline | Triton | Triton + FGT | Triton + FF |
| 1 | 91 | 66 | 137 | 125 |
| 2 | 117 | 155 | 100 | 164 |
| 3 | 76 | 142 | 104 | 108 |
| 4 | 100 | 103 | 70 | 104 |
| 5 | 101 | 81 | 80 | 101 |
| AVG±SEM | **97.0±6.7** | **109.4±17.1** | **98.2±11.6** | **120.4±11.7** |

FGT, fermented green tea; FF, fenofibrate

**Supplementary Table 2.** Primer sequences used to determine gene expression levels in white adipose tissue and differentiated adipocytes.

|  |  |  |
| --- | --- | --- |
| ***Gene*** | ***5’ Sequence*** | ***3’ Sequence*** |
| GAPDHSREBP1c | TGCACCACCAACTGCTTAGAATGGTCCAGGCAAGTTCTGGGT | GGATGCAGGGATGATGTTCTCCCTCTCAGCTGTGGTGGTGAA |
| ACC | GAGTGACTGCCGAAACATCTCTG | GCCTCTTCCTGACAAACGAGT |
| FAS | GCTGCGGAAACTTCAGGAAAT | AGAGACGTGTCACTCCTGGACTT |
| SCD1 | CTACAAGCCTGGCCTCCTGC | GGACCCCAGGGAAACCAGGA |
| ACO | TGTTAAGAAGAGTGCCACCAT | ATCCATCTCTTCATAACCAAATTT |
| CPT1 | ACTCCTGGAAGAAGAAGTTCAT | AGTATCTTTGACAGCTGGGAC |
| mCAD | AGGTTTCAAGATCGCAATGG | CTCCTTGGTGCTCCACTAGC |
| PPARα | TCTTCACGATGCTGTCCTCCT | CTATGTTTAGAAGGCCAGGC |
| TPH | AACAAAGACCATTCCTCCGAAAG | TGTAACAGGCTCACATGATTCTC |

**Supplementary Table 3.** Body weight (g) of SD rats after 5 days of saline, FGT and FF administration

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| GroupIndividual | Saline | Triton | Triton + FGT | Triton + FF |
| 1 | 214.9 | 222.6 | 217.5 | 217.7 |
| 2 | 223.3 | 223.5 | 223.8 | 226.5 |
| 3 | 215.8 | 217.8 | 216.4 | 216.4 |
| 4 | 223.0 | 218.1 | 213.0 | 227.6 |
| 5 | 224.2 | 219.5 | 225.6 | 219.2 |
| AVG±SE | **220.2±2.0** | **220.3±1.2** | **219.3±2.4** | **221.5±2.3** |