

## Supplementary materials

### **Medium Chain Triglycerides Improve Lipid Metabolism by Increasing the Thermogenesis through the Sympathetic Regulation System in Obese Rats**

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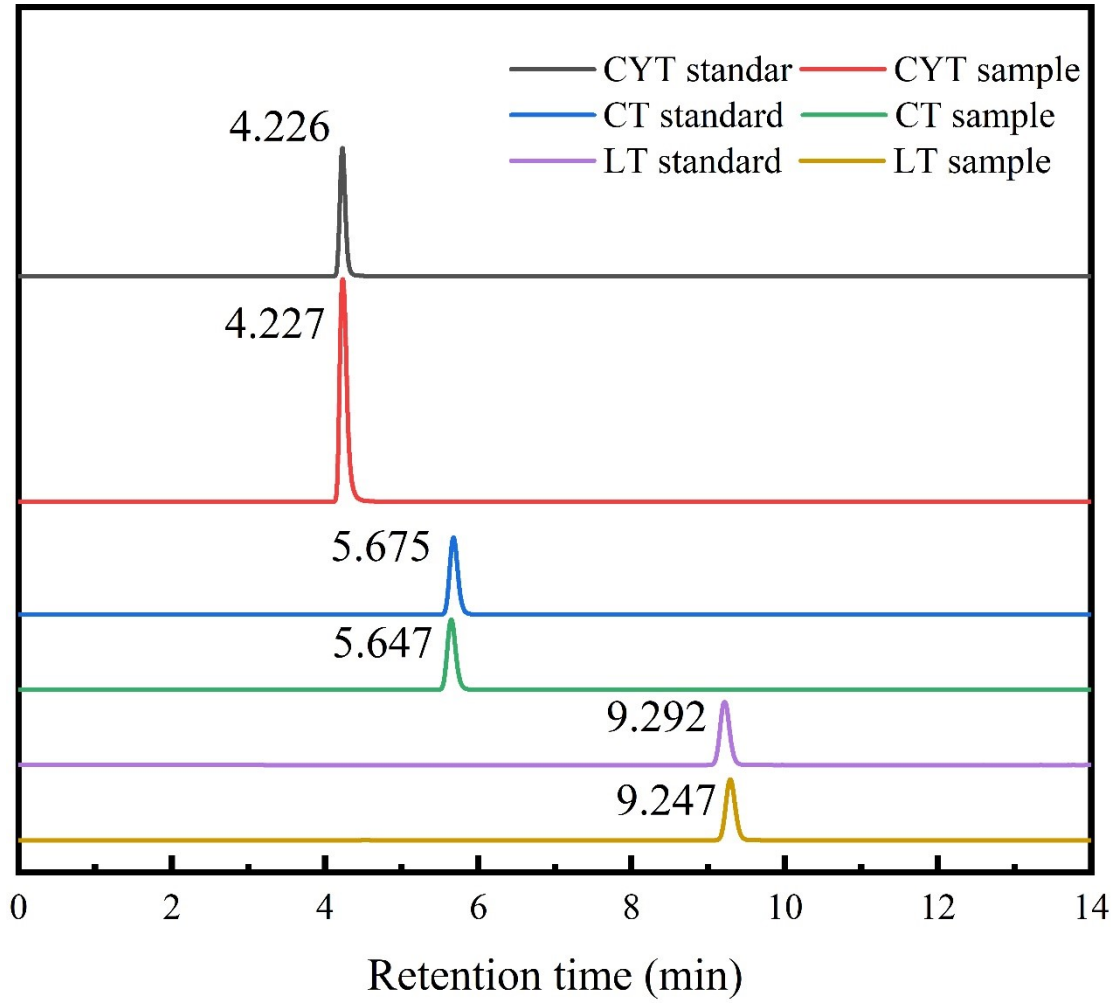
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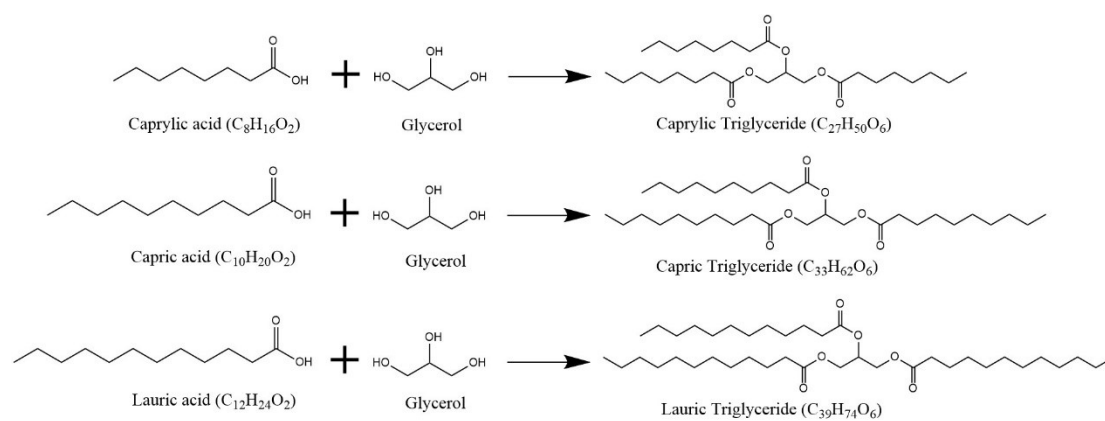
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Antibodies	Details	Dilution
ATGL	Proteintech,Rabbit Polyclonal, 55190-1-AP	1:1000
HSL	Affinity, Rabbit Polyclonal, AF6403	1:1000
UCP1	Abcam, Rabbit Polyclonal, ab234430	1:1000
PRDM16	Affinity, Rabbit Polyclonal,DF13303	1:1000
CIDEA	Proteintech, Rabbit Polyclonal, 13170-1-AP	1:500
Dio2	Proteintech, Rabbit Polyclonal, 26513-1-AP	1:800
TBX1	Affinity, Rabbit Polyclonal,AF0327	1:1000
TH	Affinity, Rabbit Polyclonal,AF6113	1:1000
$\beta$ 3-AR	Abcam, Rabbit Polyclonal, ab94506	1:800
NGF	Affinity, Rabbit Polyclonal,DF6061	1:1000
BDNF	Proteintech, Rabbit Polyclonal, 28205-1-AP	1:2000
NT-3	Proteintech, Rabbit Polyclonal, 18084-1-AP	1:2000
NT-4	Affinity, Rabbit Polyclonal,DF6226	1:1000
PPAR $\gamma$	Servicebio, Rabbit Polyclonal, GB11164	1:1000
PGC-1 $\alpha$	Proteintech, Mouse Monoclonal, 66369-1-Ig	1:2500
$\beta$ -actin	Proteintech, Mouse Monoclonal,66009-1-Ig	1:10000
Goat anti- mouse	Proteintech, HRP conjugate, SA00001-1	1:5000
Goat Anti-Rabbit	Proteintech, HRP conjugate, SA00001-2	1:5000

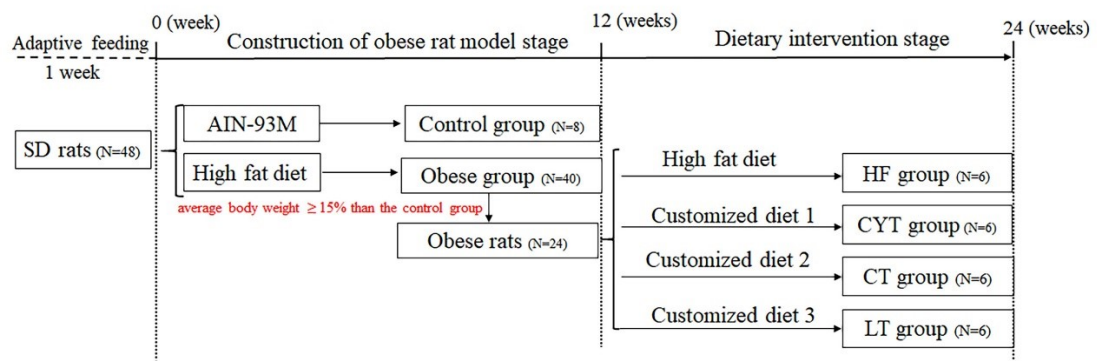
**Table S1 Primary Antibody Information**



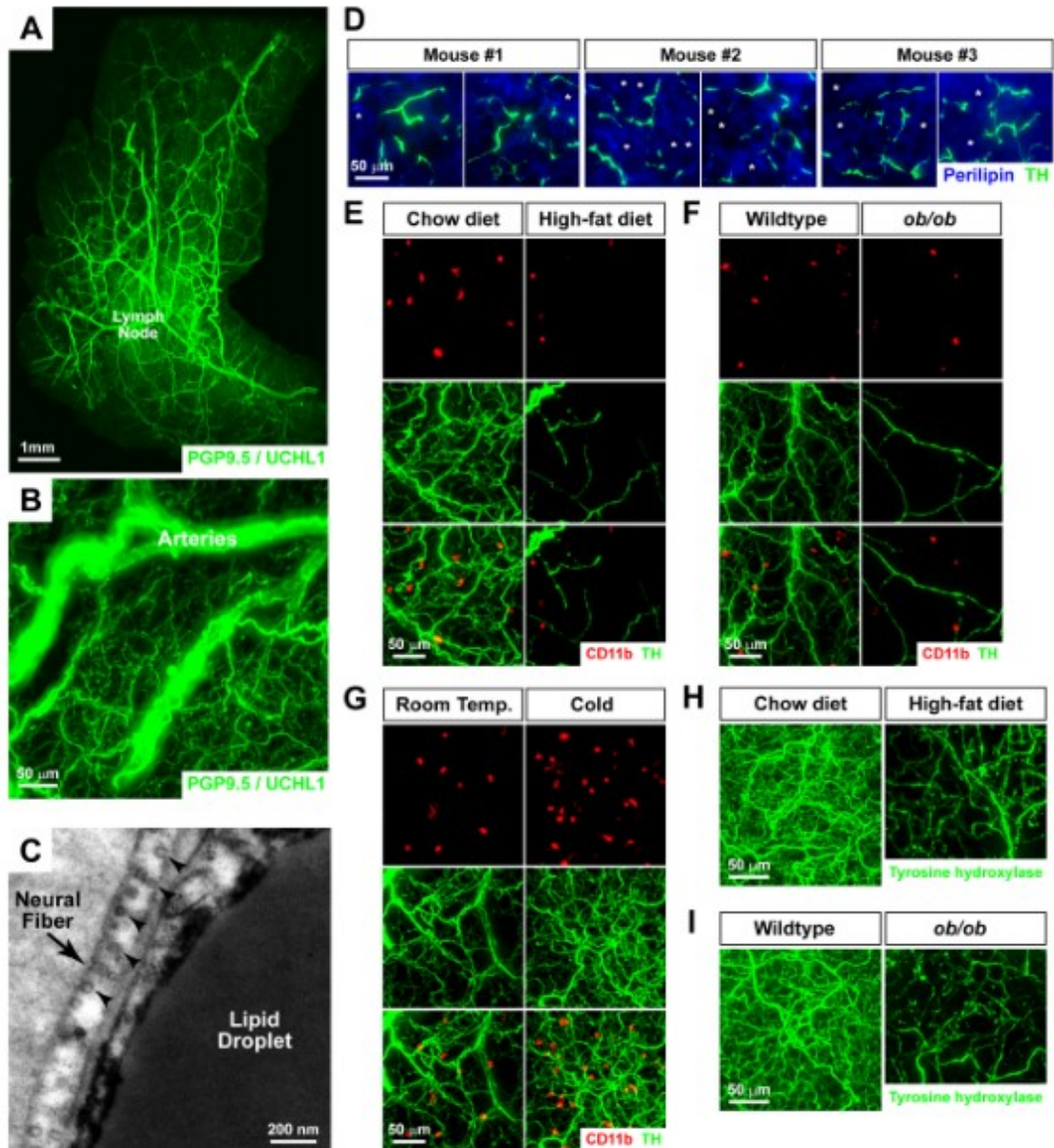
**Figure S1** The HPLC profile of CYT, CT and LT.



**Figure S2 The chemical formula and schematic diagram of three MCT**



**Figure S3 Description of the animal experiment**



**Figure S4** Whole-mount immunolabeling and volume fluorescence-imaging of mouse adipose tissues <sup>1</sup>

## REFERENCE

1. Jiang, H. C.; Ding, X. F.; Cao, Y.; Wang, H. H.; Zeng, W. W., Dense Intra-adipose Sympathetic Arborizations Are Essential for Cold-Induced Beiging of Mouse White Adipose Tissue. *Cell Metab* **2017**, *26*, 686-+.