Full name	Abbreviation
Carnitine	C0
Acetyl-carnitine	C2
Propionyl-carnitine	C3
3-Hydroxypropionyl-carnitine	C3-OH
Malonyl-carnitine	C3-DC
Butyryl-carnitine	C4
3-Hydroxybutyryl-carnitine	C4-OH
Succinyl-carnitine	C4-DC
VAL or IVAL-carnitine	C5
HVAL or HIVAL-carnitine	C5-OH
Glutaryl-carnitine	C5-DC
Hexanoyl-carnitine	C6
Hydroxyhexanoyl-carnitine	C6-OH
Suberyl-carnitine	C8-DC
Decatrienoyl-carnitine	C10:3
Dodec-2-enoyl-carnitine	C12:1
Docosa-4,7,10,13,16-pentaenoyl-carnitine/Clupanodonyl-carnitine	C22:5
Decenoyl-carnitine	C10:1
Tiglyl-carnitine	C5:1
Octanoyl-carnitine	C8
Octenoyl-carnitine	C8:1
Decanoyl-carnitine	C10
Tetradecanoyl-carnitine/Myristoyl-carnitine	C14
Tetradecenoyl-carnitine	C14:1
L-palmitoyl-carnitine	C16
3-Hydroxyhexadecanoyl-carnitine	C16-OH
Trans-hexadec-2-enoyl-carnitine	C16:1
3-Hydroxyhexadecenoyl-carnitine	C16:1-OH
Heptadecanoyl-carnitine	C17
Stearoyl-carnitine	C18
Elaidic-carnitine/Vaccenyl-carnitine	C18:1
Linoleyl-carnitine/Linoelaidyl-carnitine	C18:2
Alpha-linolenyl-carnitine/Gamma-linolenyl-carnitine	C18:3

Supplementary Table 1. **List of acyl-carnitine names.** The number of carbons (C) in the name indicates the number of carbons in acyl group. DC represents dicarboxylic acid in the acyl group. OH means a hydroxyl group attached to the acyl group. The number after "C:" indicates the number of double bonds.