

SUPPLEMENTARY.**Box 1. Full names for the lipid classes**

AHexCer — Acylhexosylceramide
BMP — Bismonoacylglycerophosphate
CAR — Acylcarnitine
CE — Cholesteryl ester
Cer — Ceramide
CL — Cardiolipin
DAG — Diacylglycerol
DGDG — digalactosyldiacylglycerol
DGDG-O — Ether-linked digalactosyldiacylglycerol
FFA — Free fatty acid
HexCer — Hexosylceramide
LPA — Lysophosphatidic acid
LPE — Lysophosphatidylethanolamine
LPE-O — Ether-linked lysophosphatidylethanolamine
LPC — Lysophosphatidylcholine
LPG — Lysophosphatidylglycerol
LPS — Lysophosphatidylserine
MAG — Monoacylglycerol
MGDG — Monogalactosyldiacylglycerol
MGDG-O — Ether-linked monogalactosyldiacylglycerol
NAE — N-acyl ethanolamines
PA — Phosphatidic acid
PCA — principal component analysis
PC — Phosphatidylcholine
PC-O — Ether-linked phosphatidylcholine
PG — Phosphatidylglycerol
PE — Phosphatidylethanolamine
PE-O — Ether-linked phosphatidylethanolamine
PE-P — Plasmalogenes
PI — Phosphatidylinositol
PS — Phosphatidylserine
SHexCer — Sulfatide
SM — Sphingomyelin
ST — Dihydrocholesterol
TAG — Triacylglycerol