

Supplementary info 3: Description of the standard molecules used for lipid classes HPLC analysis.

| | Reference | Molecule name | CAS number |
|-----------------------|---|-------------------------------|--------------|
| Neutral lipids | Sigma (St Louis, USA) | DG 1.2 | 2442-61-7 |
| | | DG 1.3 | 2465-32-9 |
| | NU-CHEK PREP Sigma NU-CHEK PREP NU-CHEK PREP | C18:1 | 112-80-1 |
| | | TG 18:2 | - |
| | | TG 18:1 | 122-32-7 |
| | | MG 18 | - |
| | MG 18:3 | - | |
| | Reference | Molecule name | CAS number |
| Phospholipids | Avanti (London, UK) | phosphatidylglycerol | 383907-64-0 |
| | | phosphatidylethanolamine | 97281-40-8 |
| | | phosphatidylinositol | 383907-36-6 |
| | | phosphatidylserine | 383908-63-2 |
| | | phosphatidic acid | 475995-54-1 |
| | | phosphatidylcholine | 97281-44-2 |
| | | sphingomyelin | 475662-40-9 |
| | | lysophosphatidylcholine | 97281-38-4 |
| | Reference | Molecule name | CAS number |
| Glycolipids | Avanti (London, UK) | sulfoquinovosyldiacylglycerol | 123036-44-2 |
| | | digalactosyldiacylglycerol | 63142-69-8 |
| | | monogalactosyldiacylglycerol | 1932659-76-1 |

DG, diacylglycerol; TG, triacylglycerol; MG, monoacylglycerol.