**Table 1SF.** Lipid assignment by class abbreviation followed by the total number of carbons and double bounds in the acyl residues attached to the glycerol backbone (in parenthesis). PC: phosphatidylcholine. SM: sphingomyelin. TAG: triacylglycerol.

|  |  |
| --- | --- |
| *m/z* | Lipid Ion (carbons:unsaturation) |
| 703.5 | [SM (16:0) + H]+ |
| 725.5 | [SM (16:0) + Na]+ |
| 732.5 | [PC (32:1) + H]+ |
| 734.6 | [PC (32:0) + H]+ |
| 756.6 | [PC (32:0) + Na]+, [PC (34:3) + H]+ |
| 758.6 | [PC (34:2) + H]+ |
| 760.6 | [PC (34:1) + H]+ |
| 762.6 | [PC (34:0) + H]+ |
| 780.6 | [PC (34:2) + Na]+, [PC (36:5) + H]+ |
| 782.6 | [PC (36:4) + H]+, [PC (34:1) + Na]+ |
| 786.6 | [PC (36:2) + H]+ |
| 788.6 | [PC (36:1) + H]+ |
| 808.6 | [PC (38:5) + H]+, [PC (36:2) + Na]+ |
| 810.6 | [PC (38:4) + H]+, [PC (36:1) + Na]+ |
| 855.7 | [TAG (50:1) + Na]+ |
| 881.7 | [TAG (52:2) + Na]+ |
| 957.8 | [TAG (59:13) + Na]+ |

Identification based on LIFT data, literature (Sudano et al., 2016; Shrestha et al., 2014; Jung et al., 2014; Sudano, et al., 2012; Ferreira et al., 2010; Milne *et al.* 2006) and two lipid databases ([http://lipidsearch.jp](http://lipidsearch.jp/" \t "_blank) or [www.lipidmaps.org/](http://www.lipidmaps.org/" \t "_blank)). Abbreviations: PC, phosphatidylcholines; SM, sphingomyelins; TAG, triacylglycerol.