

## Additional file 2.

Lipid Class and Ion	Internal Standard	nmol/sample
PC [M+H] <sup>+</sup>	PC 19:0_19:0	8
PG [M-H] <sup>-</sup>	PG 17:0_17:0	1
PE [M+H] <sup>+</sup>	PE 17:0_17:0	5
SM [M+H] <sup>+</sup>	DHSM 12:0	2
Cer [M+H] <sup>+</sup>	Cer 17:0	1
PS [M+H] <sup>+</sup>	PS 17:0_17:0	1
CE [M+NH <sub>4</sub> ] <sup>+</sup>	CE 22:1	1
Free Chol [M+NH <sub>4</sub> ] <sup>+</sup>	D <sub>7</sub> Free Chol	10
DAG [M+NH <sub>4</sub> ] <sup>+</sup>	DAG 17:0_17:0	1
TAG [M+NH <sub>4</sub> ] <sup>+</sup>	D <sub>5</sub> TAG 16:0_16:0_16:0	1