**Table S2.** Internal standards for each of the three LC-MS/MS lipid mediator platforms.

| Internal standard | Concentration (nM) | Retention time (min) | Precursor ion (m/z) | Parent ion (m/z) | Product ion (m/z) |
|---|---|---|---|---|---|
| $[^2H_4]$-$PGD_2$ | $2.01 \times 10^2$ | 6.10 | $[M-H]^-$ | 355.3 | 193 |
| [2H4]-PGE2 | $2.01 \times 10^2$ | 5.85 | [M-H]- | 355.3 | 275 |
| $[^2H_4]$-6-keto-$PGF_{1\alpha}$ | $2.00 \times 10^2$ | 4.35 | $[M-H]^-$ | 373.2 | 167 |
| $[^2H_4]$-$PGB_2$ | $2.01 \times 10^2$ | 8.00 | $[M-H]^-$ | 337.2 | 179 |
| $[^2H_4]$-$TxB_2$ | $2.00 \times 10^2$ | 5.22 | $[M-H]^-$ | 373.2 | 173 |
| $[^2H_4]$-$LTB_4$ | $2.00 \times 10^2$ | 9.60 | $[M-H]^-$ | 339.3 | 153 |
| $[^2H_8]$-5-HETE | $2.01 \times 10^2$ | 14.15 | $[M-H]^-$ | 327.2 | 116 |
| $[^2H_8]$-15-HETE | $2.01 \times 10^2$ | 12.85 | $[M-H]^-$ | 327.3 | 182 |
| $[^2H_6]$-20-HETE | $1.99 \times 10^2$ | 11.80 | $[M-H]^-$ | 325.3 | 281 |
| $[^2H_7]$-5-KETE | $2.00 \times 10^2$ | 14.95 | $[M-H]^-$ | 324.2 | 210 |
| $[^2H_{11}]$-11(12)-EpETrE | $1.99 \times 10^2$ | 14.95 | $[M-H]^-$ | 330.3 | 167 |
| $[^2H_{11}]$-14.15-DiHETrE | $2.00 \times 10^2$ | 10.40 | $[M-H]^-$ | 348.3 | 207 |
| $[^2H_4]$-9-HODE | $2.00 \times 10^2$ | 12.70 | $[M-H]^-$ | 299.3 | 172 |
| $[^2H_4]$-9(10)-EpOME | $2.00 \times 10^2$ | 14.55 | $[M-H]^-$ | 299.1 | 172 |
| $[^2H_4]$-9.10-DiHOME | $2.01 \times 10^2$ | 10.17 | $[M-H]^-$ | 317.2 | 203 |
| SM 17:0 | $5.12 \times 10^3$ | 4.40 | $[M+H]^+$ | 717.6 | 184.3 |
| Cer 17:0 | $2.03 \times 10^3$ | 4.50 | $[M+H-H2O]^+$ | 534.5 | 264.4 |
| Cer[d17:1/24:1] | $2.04 \times 10^3$ | 5.31 | $[M+H-H2O]^+$ | 616.6 | 250.3 |
| DhCer6:0 | $2.04 \times 10^3$ | 2.47 | $[M+H]^+$ | 400.4 | 266.6 |
| GlcCer 8:0 | $2.03 \times 10^3$ | 2.49 | $[M+H-H2O]^+$ | 570.4 | 264.4 |
| LacCer 17:0 | $2.04 \times 10^3$ | 4.14 | $[M+H-H2O]^+$ | 858.8 | 264.4 |
| $[^2H_4]$-AEA | $5.69 \times 10^1$ | 5.33 | $[M+H]^+$ | 352.2 | 66.0 |
| $[^2H_4]$-PEA | $5.27 \times 10^1$ | 6.21 | $[M+H]^+$ | 304.2 | 66.0 |
| $[^2H_4]$-LEA | $3.66 \times 10^1$ | 5.39 | $[M+H]^+$ | 328.2 | 66.0 |
| $[^2H_4]$-D(h)EA | $5.32 \times 10^1$ | 5.16 | $[M+H]^+$ | 376.2 | 66.0 |
| $[^2H_4]$-OEA | $4.85 \times 10^1$ | 6.51 | $[M+H]^+$ | 330.2 | 66.0 |
| $[^2H_5]$-2-AG | $2.08 \times 10^2$ | 5.85 | $[M+H]^+$ | 384.3 | 269.1 |