

Table S1. Nomenclature for the compounds screened in the samples. Compounds reproducibly detected in samples and submitted to data analysis are highlighted in bold.

Abbreviation	Common name	Systematic name
<i>Eicosanoids</i>		
PGD₂	prostaglandin D₂	9α.15S-dihydroxy-11-oxo-prosta-5Z.13E-dien-1-oic acid
11- β -PGF _{2α}	9 α .11 β -prostaglandin F _{2α}	9 α .11 β .15S-trihydroxy-prosta-5Z.13E-dien-1-oic acid
PGJ ₂	prostaglandin J ₂	11-oxo-15S-hydroxy-prosta-5Z.9.13E-trien-1-oic acid
15-deoxy- $\Delta^{12,14}$ -PGJ ₂	15-deoxy- $\Delta^{12,14}$ -prostaglandin J ₂	11-oxo-prosta-5Z.9.12E.14E-tetraen-1-oic acid
PGE ₂	prostaglandin E ₂ ; dinoprostone	9-oxo-11 α .15S-dihydroxy-prosta-5Z.13E-dien-1-oic acid
PGF _{2α}	prostaglandin F _{2α} ; dinoprost	9 α .11 α .15S-trihydroxy-prosta-5Z.13E-dien-1-oic acid
6-keto-PGF _{1α}	6-keto-prostaglandin F _{1α}	6-oxo-9 α .11 α .15S-trihydroxy-prost-13E-en-1-oic acid
TxB ₂	thromboxane B ₂	9 α .11.15S-trihydroxythromba-5Z.13E-dien-1-oic acid
12-HHTrE	12(S)-HHT	12S-hydroxy-5Z.8E.10E-heptadecatrienoic acid
PGB ₂	prostaglandin B ₂	9-oxo-15S-hydroxy-prosta-5Z.8(12).13E-trien-1-oic acid
8-isoPGE ₂	8-iso-prostaglandin E ₂	9-oxo-11 α .15S-dihydroxy-(8 β)-prosta-5Z.13E-dien-1-oic acid
LTB₄	leukotriene B₄	5S.12R-dihydroxy-6Z.8E.10E.14Z-eicosatetraenoic acid
6-trans-LTB ₄	6-trans-leukotriene B ₄	5S.12R-dihydroxy-6E.8E.10E.14Z-eicosatetraenoic acid
20-hydroxy-LTB ₄	20-hydroxy-leukotriene B ₄	5S.12R.20-trihydroxy-6Z.8E.10E.14Z-eicosatetraenoic acid
20-carboxy-LTB ₄	20-carboxy-leukotriene B ₄	5S.12R-dihydroxy-6Z.8E.10E.14Z-eicosatetraene-1.20-dioic acid
5-HETE	($\pm$)5-HETE	($\pm$)5-hydroxy-6E.8Z.11Z.14Z-eicosatetraenoic acid
8-HETE	($\pm$)8-HETE	($\pm$)8-hydroxy-5Z.9E.11Z.14Z-eicosatetraenoic acid
9-HETE	($\pm$)9-HETE	($\pm$)9-hydroxy-5Z.7E.11Z.14Z-eicosatetraenoic acid
11-HETE	($\pm$)11-HETE	($\pm$)11-hydroxy-5Z.8Z.12E.14Z-eicosatetraenoic acid
12-HETE	($\pm$)12-HETE	($\pm$)12-hydroxy-5Z.8Z.10E.14Z-eicosatetraenoic acid
15-HETE	($\pm$)15-HETE	($\pm$)15-hydroxy-5Z.8Z.11Z.13E-eicosatetraenoic acid
20-HETE	20-hydroxy arachidonic acid	20-hydroxy-5Z.8Z.11Z.14Z-eicosatetraenoic acid
5-KETE	5-oxoETE	5-oxo-6E.8Z.11Z.14Z-eicosatetraenoic acid
12-KETE	12-oxoETE	12-oxo-5Z.8Z.10E.14Z-eicosatetraenoic acid
15-KETE	15-oxoETE	15-oxo-5Z.8Z.11Z.13E-eicosatetraenoic acid
5(6)-EpETrE	($\pm$)5(6)-EET	($\pm$)5(6)-epoxy-8Z.11Z.14Z-eicosatrienoic acid
8(9)-EpETrE	($\pm$)8(9)-EET	($\pm$)8(9)-epoxy-5Z.11Z.14Z-eicosatrienoic acid
11(12)-EpETrE	($\pm$)11.12-EET	($\pm$)11(12)-epoxy-5Z.8Z.14Z-eicosatrienoic acid
14(15)-EpETrE	($\pm$)14(15)-EET	($\pm$)14(15)-epoxy-5Z.8Z.11Z-eicosatrienoic acid
5.6-DiHETrE	($\pm$)5.(6)-DHET	($\pm$)5.6-dihydroxy-8Z.11Z.14Z-eicosatrienoic acid
8.9-DiHETrE	($\pm$)8.9-DHET	($\pm$)8.9-dihydroxy-5Z.11Z.14Z-eicosatrienoic acid
11.12-DiHETrE	($\pm$)11.12-DHET	($\pm$)11.12-dihydroxy-5Z.8Z.14Z-eicosatrienoic acid
14.15-DiHETrE	($\pm$)14.15-DHET	($\pm$)14.15-dihydroxy-5Z.8Z.11Z-eicosatrienoic acid
5.6-DiHETE	5.6-DiHETE	5.6-dihydroxy-8Z.11Z.14Z.17Z-eicosatetraenoic acid
5.15-DiHETE	5(S).15(S)-DiHETE	5S.15S-dihydroxy-6E.8Z.10Z.13E-eicosatetraenoic acid
8.15-DiHETE	8(S).15(S)-DiHETE	8S.15S-dihydroxy-5Z.9E.11Z.13E-eicosatetraenoic acid
LXA ₄	5(S).6(R)-lipoxin A ₄	5S.6R.15S-trihydroxy-7E.9E.11Z.13E-eicosatetraenoic acid
LXB ₄	5(S).14(R)-lipoxin B ₄	5S.14R.15S-trihydroxy-6E.8Z.10E.12E-eicosatetraenoic acid
9-HODE	($\pm$)9-HODE	($\pm$)9-hydroxy-10E.12Z-octadecadienoic acid
13-HODE	($\pm$)13-HODE	($\pm$)13-hydroxy-9Z.11E-octadecadienoic acid
9-KODE	9-oxoODE	9-oxo-10E.12Z-octadecadienoic acid
13-KODE	13-oxoODE	13-oxo-9Z.11E-octadecadienoic acid
9.10.13-TriHOME	9.10.13-TriHOME	9(S).10(S).13(S)-trihydroxy-11(E)-octadecenoic Acid
9.12.13-TriHOME	9.12.13-TriHOME	9(S).12(S).13(S)-trihydroxy-10(E)-octadecenoic Acid
EKODE	trans-EKODE-(E)-Ib	9-oxo-11-(3-pentyl-2-oxiranyl)-10E-undecenoic acid
9(10)-EpOME	leukotoxin	($\pm$)9(10)-epoxy-12Z-octadecenoic acid
12(13)-EpOME	iso-leukotoxin	($\pm$)12(13)epoxy-9Z-octadecenoic acid
9.10-DiHOME	leukotoxin diol	($\pm$)9(10)-dihydroxy-12Z-octadecenoic acid
12.13-DiHOME	isoleukotoxin diol	12.13-dihydroxy-9Z-octadecenoic acid
12(13)-EpODE	($\pm$)12(13)-EpODE	($\pm$)cis-12.13-Epoxy-9(Z).15(Z)-octadecadienoic Acid
PGD ₁	prostaglandin D ₁	9 α .15S-dihydroxy-11-oxo-prost-13E-en-1-oic acid
PGE ₁	prostaglandin E ₁	9-oxo-11 α .15S-dihydroxy-prost-13E-en-1-oic acid
8-HETrE	8(S)-HETrE	5S-hydroxy-9E.11Z.14Z-eicosatrienoic acid
8-HETrE	8(S)-HETrE	8S-hydroxy-9E.11Z.14Z-eicosatrienoic acid

15-HETrE	15(S)-HETrE	15S-hydroxy-8Z.11Z.13E-eicosatrienoic acid
9-HOTrE	9(S)-HOTrE	9S-hydroxy-10E.12Z.15Z-octadecatrienoic acid
13-HOTrE	13(S)-HOTrE	13S-hydroxy-9Z.11E.15Z-octadecatrienoic acid
9-KOTrE	9-KOTE	9-oxo-10E.12Z.15Z-octadecatrienoic acid
PGD ₃	prostaglandin D ₃	9α.15S-dihydroxy-11-oxo-prosta-5Z.13E.17Z-trien-1-oic acid
PGE ₃	prostaglandin E ₃	9-oxo-11α.15S-dihydroxy-prosta-5Z.13E.17Z-trien-1-oic acid
LTB ₅	leukotriene B ₅	5S.12S-dihydroxy-6Z.8E.14Z.17Z-eicosapentaenoic acid
5-HEPE	(±)5-HEPE	(±)-5-hydroxy-6E.8Z.11Z.14Z.17Z-eicosapentaenoic acid
8-HEPE	(±)8-HEPE	(±)-8-hydroxy-5Z.9E.11Z.14Z.17Z-eicosapentaenoic acid
9-HEPE	(±)9-HEPE	(±)-9-hydroxy-5Z.7E.11Z.14Z.17Z-eicosapentaenoic acid
11-HEPE	(±)11-HEPE	(±)-11-hydroxy-5Z.8Z.12E.14Z.17Z-eicosapentaenoic acid
12-HEPE	(±)12-HEPE	(±)-12-hydroxy-5Z.8Z.10E.14Z.17Z-eicosapentaenoic acid
15-HEPE	(±)15-HEPE	(±)-15-hydroxy-5Z.8Z.11Z.13E.17Z-eicosapentaenoic acid
18-HEPE	(±)18-HEPE	(±)-18-hydroxy-5Z.8Z.11Z.14Z.16E-eicosapentaenoic acid
14(15)-EpETE	14.15-epoxy eicosatetraenoic Acid	(±)14(15)-epoxy-5Z.8Z.11Z.17Z-eicosatetraenoic acid
17(18)-EpETE	17.18-epoxy eicosatetraenoic Acid	(±)17(18)-epoxy-5Z.8Z.11Z.14Z-eicosatetraenoic acid
14.15-DiHETE	(±)14.15-DiHETE	(±)14.15-dihydroxy-eicosa-5.8.11.17-tetraenoic acid
17.18-DiHETE	(±)17.18-DiHETE	17.18-dihydroxy-5Z.8Z.11Z.14Z-eicosatetraenoic acid
LXA ₅	lipoxin A ₅	5S.6R.15S-trihydroxy-7E.9E.11Z.13E.17Z-eicosapentaenoic acid
8-HDoHE	(±)8-HDoHE	(±)8-hydroxy-4Z.6E.10Z.13Z.16Z.19Z-docosahexaenoic acid
11-HDoHE	(±)11-HDoHE	(±)11-hydroxy-4Z.7Z.9E.13Z.16Z.19Z-docosahexaenoic acid
14-HDoHE	(±)14-HDoHE	(±)14-hydroxy-4Z.7Z.10Z.12E.16Z.19Z-docosahexaenoic acid
17-HDoHE	(±)17-HDoHE	(±)17-hydroxy-4Z.7Z.10Z.13Z.15E.19Z-docosahexaenoic acid
16(17)-EpDPE	(±)16(17)-EpDPE	(±)16(17)-epoxy-4Z.7Z.10Z.13Z.19Z-docosapentaenoic acid
19(20)-EpDPE	(±)19(20)-EpDPE	(±)19(20)-epoxy-4Z.7Z.10Z.13Z.16Z-docosapentaenoic acid
10.17-DiHDoHE	protectin D ₁	10(S).17(S)-dihydroxy-4Z.7Z.11E.13Z.15E.19Z-docosahexaenoic acid
19.20-DiHDPA	(±)19.20-DiHDPA	(±)19.20-dihydroxy-4Z.7Z.10Z.13Z.16Z-docosapentaenoic acid
RvD ₁	resolvin D ₁	7S.8R.17S-trihydroxy-4Z.9E.11E.13Z.15E.19Z-docosahexaenoic acid
17(R)-RvD ₁	17(R)-resolvin D1	7S.8R.17R-trihydroxy-4Z.9E.11E.13Z.15E.19Z-docosahexaenoic acid
RvD ₂	resolvin D ₂	7S.16R.17S-trihydroxy-4Z.8E.10Z.12E.14E.19Z-docosahexaenoic acid
RvE ₁	resolvin E ₁	5S.12R.18R-trihydroxy-6Z.8E.10E.14Z.16E-eicosapentaenoic acid
LTB ₃	leukotriene B ₃	5S.12R-dihydroxy-6Z.8E.10E-eicosatrienoic acid
5-HETrE	5(S)-HETrE	5S-hydroxy-6E.8Z.11Z-eicosatrienoic acid
<u>Sphingolipids</u>		
SM 12:0	Sphingomyelin C12:0	(2-[(2S.3R)-3-hydroxy-2-[(1-hydroxydodecyl)amino]octadecyl phosphonato]oxy}ethyl)trimethylazanium
SM 16:0	Sphingomyelin C16:0	{[(2S.3R.4E)-2-hexadecanamido-3-hydroxyoctadec-4-en-1-yl]oxy}[2-(trimethylazaniumyl)ethoxy]phosphinic acid
SM 18:1	Sphingomyelin C18:1	[(E.2S.3R)-3-hydroxy-2-[(Z)-octadec-9-enoyl]amino]octadec-4-enyl] 2-(trimethylazaniumyl)ethyl phosphate
SM 18:0	Sphingomyelin C18:0	[(E.2S.3R)-3-hydroxy-2-(octadecanoylamino)octadec-4-enyl] 2-(trimethylazaniumyl)ethyl phosphate
SM 24:1	Sphingomyelin C24:1	N-(15Z-tetracosenoyl)-sphing-4-enine-1-phosphocholine
SM 24:0	Sphingomyelin C24:0	N-(tetracosanoyl)-sphing-4-enine-1-phosphocholine
Cer 12:0	Ceramide C12:0	N-(dodecanoyl)-sphing-4-enine
Cer 14:0	Ceramide C14:0	N-(tetradecanoyl)-sphing-4-enine
Cer 16:0	Ceramide C16:0	N-(hexadecanoyl)-sphing-4-enine
Cer 18:1	Ceramide C18:1	N-(9Z-octadecenoyl)-sphing-4-enine
Cer 18:0	Ceramide C18:0	N-(octadecanoyl)-sphing-4-enine
Cer 20:0	Ceramide C20:0	N-(eicosanoyl)-sphing-4-enine
Cer 22:0	Ceramide C22:0	N-behenoyl-D-erythro-sphingosine
Cer 24:1	Ceramide C24:1	N-(15Z-tetracosenoyl)-sphing-4-enine
Cer 24:0	Ceramide C24:0	N-(tetracosanoyl)-sphing-4-enine
DhCer 16:0	Dihydroceramide 16:0	N-palmitoyl-D-erythro-sphinganine
DhCer 24:0	Dihydroceramide C24:0	N-lignoceroyl-D-erythro-sphinganine
HexCer 12:0	Hexosylceramide C12:0	N-(dodecanoyl)-1-β-hexosyl-sphing-4-enine
HexCer 16:0	Hexosylceramide C16:0	N-(hexadecanoyl)-1-β-hexosyl-sphing-4-enine
HexCer 18:1	Hexosylceramide C18:1	N-(9Z-octadecenoyl)-1-β-hexosyl-sphing-4-enine
HexCer 18:0	Hexosylceramide C18:0	N-(octadecanoyl)-1-β-hexosyl-sphing-4-enine
HexCer 24:1	Hexosylceramide C24:1	N-(15Z-tetracosenoyl)-1-β-hexosyl-sphing-4-ene
LacCer 12:0	Lactosylceramide C12:0	N-(dodecanoyl)-1-b-lactosyl-sphing-4-enine

LacCer 16:0	Lactosylceramide C16:0	N-Hexadecanoyl-lactosylceramide
LacCer 24:1	Lactosylceramide C24:1	N-(15Z-tetracosenoyl)-1-β-lactosyl-sphinganine
LacCer 24:0	Lactosylceramide C24:0	N-(tetracosanoyl)-1-β-lactosyl-sphinganine
<u>Endocannabinoids</u>		
AEA	Arachidonoyl ethanolamine	5Z,8Z,11Z,14Z-eicosatetraenylethanolamide
PEA	Palmitoyl ethanolamide	N-(2-Hydroxyethyl)hexadecanamide
EPEA	Eicosapentaenoyl ethanolamide	N-(2-hydroxyethyl)-5Z,8Z,11Z,14Z,17Z-eicosapentaenamide
D(h)EA	Docosahexaenoyl ethanolamide	N-(2-hydroxyethyl)-4Z,7Z,10Z,13Z,16Z,19Z-docosahexaenamide
LEA	Linoleoyl ethanolamide	N-(2-hydroxyethyl)-9Z,12Z-octadecadienamide
D(t)EA	Docosatetraenoyl ethanolamide	N-(2-hydroxyethyl)-7Z,10Z,13Z,16Z-docosatetraenamide
OEA	Oleoyl ethanolamide	(Z)-N-(2-Hydroxyethyl)octadec-9-enamide
SEA	Stearoyl ethanolamide	N-(2-hydroxyethyl)-octadecanamide
α-LINOLEA	α-linoleoyl ethanolamide	N-(2-hydroxyethyl)-9Z,12Z-octadecadienamide
γ-DIHOMEA	Dihomo- γ-linoleoyl ethanolamide	Cis.cis.cis-8,11,14-Eicosatrienoic acid
AG	1+2-arachidonoyl ethanolamide	1,3-Dihydroxy-2-propanyl (5Z,8Z,11Z,14Z)-5,8,11,14-eicosatetraenoate
LG	1+2-linoleoyl ethanolamide	9Z,12Z-octadecadienoic acid, 2-glyceryl ester