

**Supplementary Table S1. Oxylipin names and abbreviations.**

Abbreviation	PUFA Derivative	PUFA Type	Enzymatic Pathway	Name
PGA <sub>2</sub> , PGB <sub>2</sub> , PGE <sub>2</sub>	AA	n-6	COX	Series 2 prostaglandin- A, B, E
TxA <sub>2</sub> , TxB <sub>2</sub>	AA	n-6	COX	Series 2 thromboxane- A, B
5-, 8-, 9-,11-, 12-, 15-, HpETE	AA	n-6	LOX	5-, 8-, 9-,11-, 12-, 15-hydroxperoxy- eicosatetraenoic acid
5-, 8-, 9-,11-, 12-, 15-, HETE	AA	n-6	LOX	5-, 8-, 9-,11-, 12-, 15-hydroxy- eicosatetraenoic acid,
LTB <sub>4</sub> , LTC <sub>4</sub> , LTD <sub>4</sub> , LTE <sub>4</sub> , LTF <sub>4</sub> , LxB <sub>4</sub>	AA	n-6	LOX	Series 4 Leukotriene- A-F; Series 4 Lipoxin- A,B
5, 6-, 8,9-, 11,12- 14,15-, EET	AA	n-6	CYP	5,6-, 8,9-, 11,12, 14,15-, epoxy-eicosatrienoic acid
5,6-, 8,9-, 11,12, 14,15-, DHET	AA	n-6	CYP,sEH	5,6-, 8,9-, 11,12-, 14,15-dihydroxy- eicosatrienoic acid
16-,17-,18-,19-,20-HETE	AA	n-6	CYP, ω- hydroxylase	16-,17-,18-,19-,20-- hydroxyeicosatetraenoic acid
9-HODE, 13-HODE	LA	n-6	LOX	9-, 13- hydroxy-octadecadienoic acid
9,10-, 12,13- EpOME	LA	n-6	CYP	9,10-, 12,13- epoxy-octadecenoic acid
9,10-, 12,13- DiHOME	LA	n-6	CYP,sEH	9,10-, 12,13- dihydroxy-octadecenoic acid
PGD <sub>3</sub> , PGE <sub>3</sub> PGF <sub>3</sub> , PGJ <sub>3</sub> , TxA <sub>3</sub>	EPA	n-3	COX	Series 3 prostaglandin-, D,E,F, J; Series 3 thromboxane A
18-HEPE, RvE1-3	EPA	n-3	COX2*	18-hydroxyeicosapentaenoic acid, resolvin E1-E3
5-, 8-, 9-,11-, 12-, 15-, HpEPE	EPA	n-3	LOX	5-, 8-, 9-,11-, 12-, 15-hydroperoxy- eicosapentanoic acid
5-, 8-, 9-,11-, 12-, 15- HEPE	EPA	n-3	LOX	5-, 8-, 9-,11-, 12-, 15- hydroxyeicosapentaenoic acid

LTBA <sub>5</sub> , LTB <sub>5</sub> , LTC <sub>5</sub> , LTD <sub>5</sub> , LxA <sub>5</sub> , Lx	EPA	n-3	LOX	Series 5 leukotrienes A-D; series 5 Lipoxins A, B
5,6-, 8,9-, 11,12-,14,15-17,18- EpETE	EPA	n-3	CYP	5,6-, 8,9-, 11,12-,14,15-17,18- epoxy-eicosatetraenoic acid
5,6-, 8,9-, 11,12-,14,15-17,18- DiHETE	EPA	n-3	CYP,sEH	5,6-, 8,9-, 11,12-,14,15-17,18- dihydroxy-eicosatetraenoic acid
RvD1-4	DHA	n-3	COX2*	Resolvin D1-4
Mar, PD, Rv	DHA	n-3	LOX	Maresins, Protectins, Resolvins
4-,7-,8-,10-,11-,13-HDoHE	DHA	n-3	LOX	4-,7-,8-,10-,11-,13-hydroxydocosaheptaenoic acid
7,8-, 10-11, 13,14-16,17-,19,20- EpDPE	DHA	n-3	CYP	7,8-,10-11, 13,14-16,17-,19,20- epoxy-docosapentaenoic acid
7,8-, 10-11, 13,14-16,17-,19,20- DiHDPA	DHA	n-3	CYP,sEH	7,8-,10-11, 13,14-16,17-,19,20- dihydroxy-docosapentaenoic acid
20-,21-,22-HDoHE	DHA	n-3	CYP, ω-hydroxylase	20-,21-,22-hydroxydocosa-hexaenoic acid

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AA, arachidonic acid; LA, linoleic acid; EPA, eicosapentaenoic acid; DHA, docosaheptaenoic acid; n-6, omega-6; PUFA, n-3, omega-3 PUFA; COX,cyclooxygenase, \*COX2, aspirin-acetylated cyclooxygenase 2; LOX, lipoxygenase; CYP, cytochrome P450; sEH, soluble epoxide hydrolase.