

**Supplemental Table S1. List of metabolites of phytohormone and oxylipin profiling and the abbreviations**

Compound	Chemical/Common Name
9-HOD	9( <i>S</i> )-hydroxy-10( <i>E</i> ),12( <i>Z</i> )-octadecadienoic acid
9-HOT	9( <i>S</i> )-hydroxy-10( <i>E</i> ),12( <i>Z</i> ),15( <i>Z</i> )-octadecatrienoic acid
9,10-EpOM	cis-9,10-epoxy-12( <i>Z</i> )-octadecenoic acid / Coronaric acid
9,10-EpOD	cis-9,10-epoxy-12( <i>Z</i> ),15( <i>Z</i> )-octadecadienoic acid
9,10-diHOM	threo-9,10-dihydroxy-12( <i>Z</i> )-octadecenoic acid
9-KOD	9( <i>S</i> )-oxo-10( <i>E</i> ),12( <i>Z</i> )-octadecadienoic acid
9-KOT	9( <i>S</i> )-oxo-10( <i>E</i> ),12( <i>Z</i> ),15( <i>Z</i> )-octadecatrienoic acid
9,10-KOMA	9-hydroxy-10-oxo-12( <i>Z</i> )-octadecenoic acid
9,10-KODA	9-hydroxy-10-oxo-12( <i>Z</i> ),15( <i>Z</i> )-octadecadienoic acid
13,10-KOMA	13-hydroxy-10-oxo-11( <i>E</i> )-octadecenoic acid
13,10-KODA	13-hydroxy-10-oxo-11( <i>E</i> ),15( <i>Z</i> )-octadecadienoic acid
10-OPDA	10-oxo-11( <i>Z</i> ),15( <i>Z</i> )-phytodienoic acid
9,12,13-THOM	9( <i>S</i> ),12( <i>S</i> ),13( <i>S</i> )-trihydroxy-10( <i>E</i> )-octadecenoic acid
9,12,13-THOD	9( <i>S</i> ),12( <i>S</i> ),13( <i>S</i> )-trihydroxy-10( <i>E</i> ),15( <i>Z</i> )-octadecadienoic acid
9,10,11-THOM	9( <i>S</i> ),10( <i>S</i> ),11( <i>R</i> )-trihydroxy-12( <i>Z</i> )-octadecenoic acid
9,10,11-THOD	9( <i>S</i> ),10( <i>S</i> ),11( <i>R</i> )-trihydroxy-12( <i>Z</i> ),15( <i>Z</i> )-octadecadienoic acid
AZA	nonanedicarboxylic acid / azelaic acid
13-HOD	13( <i>S</i> )-hydroxy-9( <i>Z</i> ),11( <i>E</i> )-octadecadienoic acid
13-HOT	13( <i>S</i> )-hydroxy-9( <i>Z</i> ),11( <i>E</i> ),15( <i>Z</i> )-octadecatrienoic acid
12,13-EpOM	cis-12,13-epoxy-9( <i>Z</i> )-octadecanoic acid
12,13-EpOD	cis-12,13-epoxy-9( <i>Z</i> ),15( <i>Z</i> )-octadecadienoic acid
12,13-diHOME	threo-12,13-dihydroxy-9( <i>Z</i> )-octadecenoic acid
13-KOD	13-oxo-9( <i>Z</i> ),11( <i>E</i> )-octadecadienoic acid
13-KOT	13-oxo-9( <i>Z</i> ),11( <i>E</i> ),15( <i>Z</i> )-octadecatrienoic acid
OTD	13-oxo-9( <i>Z</i> ),11( <i>E</i> )-tridecadienoic acid
TDD	9( <i>Z</i> ),11( <i>E</i> )-tridecadiendioic acid
9,12-KOMA	9-hydroxy-12-oxo-10( <i>E</i> )-octadecenoic acid
9,12-KODA	9-hydroxy-12-oxo-10( <i>E</i> ),15( <i>Z</i> )-octadecadienoic acid
13,12-KOMA	13-hydroxy-12-oxo-9( <i>Z</i> )-octadecenoic acid
13,12-KODA	13-hydroxy-12-oxo-9( <i>Z</i> ),15( <i>Z</i> )-octadecadienoic acid
12-OPDA	12-oxo-10( <i>Z</i> ),15( <i>Z</i> )-phytodienoic acid
dn12-OPDA	dinor-12-oxo-10( <i>Z</i> ),15( <i>Z</i> )-phytodienoic acid
OPC-4:0	( <i>Z</i> )-4-[3-oxo-2-(pent-2-en-1-yl)cyclopentyl]butanoic acid
JA	(+)-7-iso-jasmonic acid
JA-Val	(+)-7-iso-jasmonic acid valine
JA-Leu	(+)-7-iso-jasmonic acid luecine
JA-Ile	(+)-7-iso-jasmonic acid isoluecine
12OH-JA	12-hydroxy-jasmonic acid
12OH-JA-Ile	12-hydroxy-jasmonic acid isoluecine
12COOH-JA-Ile	12-carboxy-jasmonic acid
CCA	curcubic Acid
DH-JA	9,10-dihydro-jasmonic acid
9,10,13-THOM	9( <i>S</i> ),10( <i>S</i> ),13( <i>S</i> )-trihydroxy-11( <i>E</i> )-octadecenoic acid
9,10,13-THOD	9( <i>S</i> ),10( <i>S</i> ),13( <i>S</i> )-trihydroxy-11( <i>E</i> ),15( <i>Z</i> )-octadecadienoic acid
9OH-TAN	9-hydroxy-12-oxo-10( <i>E</i> )-dodecenoic acid / 9-hydroxy-traumatin
9Z-TAN	12-oxo-9( <i>Z</i> )-dodecenoic acid
TA	2( <i>E</i> )-dodecenedioic acid / Traumatic acid
TAN	12-oxo-10( <i>E</i> )-dodecenoic acid / Traumatin
2OH-PA	2-hydroxy-hexadecanoic acid / 2-hydroxy-palmitic acid
10-HOD	10-hydroxy-8( <i>E</i> ),12( <i>Z</i> )-octadecadienoic acid

2-HOT	2-hydroxy-9(Z),12(Z),15(Z)-octadecadienoic acid
CA	trans-cinnamic acid
COUMA	coumaric acid
BA	benzoic acid
SA	salicylic acid
ABA	abscisic acid