

Supplementary Table 1. Liquid chromatography conditions. MeCN: methyl cyanide (acetonitrile), SA: salicylic acid.

Method No.	Hormone	Solvent A	Solvent B	Gradient (Composition of solvent B)
1	Acid	Water containing 0.01 % acetic acid	MeCN containing 0.05 % acetic acid	3 to 55 % 22 min
2	CK	Water containing 0.01 % acetic acid	MeOH containing 0.2 % acetic acid	3 to 97 % 16 min
3	SA	Water containing 0.1 % formic acid	MeCN containing 0.1 % formic acid	3 to 98 % 10 min

Supplementary Table 2. Parameters for LC-ESI-MS/MS analysis (Agilent 1260-6410). GA₁: gibberellin A₁, IAA: indole-3-acetic acid, ABA: abscisic acid, JA: jasmonic acid, GA₄: gibberellin A₄, JA-Ile: jasmonoyl-*L*-isoleucine, tZ: *trans*-zeatin, iP: N⁶-isopentenyladenine, SA: salicylic acid.

	LC method	Retention time on LC (min)	ESI	MS/MS transitions for quantifications (<i>m/z</i>)	Collision energy (V)	Fragmentor V
GA ₁ D ₂ -GA ₁	1	8.2	-	347/273 349/275	18	160
IAA D ₂ -IAA ¹³ C ₆ -IAA D ₇ -IAA	1	9.2	+	176/130 178/132 182/136 183/135, 136, 137	15	90
ABA D ₆ -ABA	1	11.5	-	263/153 269/159	4	130
JA D ₂ -JA D ₅ -JA	1	13.0	-	209/59 211/59 214/62	11	135
GA ₄ D ₂ -GA ₄	1	15.4	-	331.2/257 333.2/259	20	160
JA-Ile ¹³ C ₆ -JA-Ile	1	16.2	-	321.2/130 338.4/136.2	17	140
tZ D ₅ -tZ	2	8.1	+	220.3/136.3 225.3/136.3, 137.3	12	100
iP D ₆ -iP	2	12	+	204.4/136.4 210.4/137.4	11	110
SA D ₄ -SA	3	5.3	-	137/93 141/97	15	90