

Supplementary Material

Table S1. Concentration of each oxylipin (PhytoPs) quantified according to salicylic acid dose, and harvest time.

Factor	9-F _{1t} -PhytoP	<i>ent</i> -16-F _{1t} -PhytoP + <i>ent</i> -16- <i>epi</i> -16-F _{1t} - PhytoP	9- <i>epi</i> -9-F _{1t} - PhytoP	9- <i>epi</i> -9-D _{1t} - PhytoP	9-D _{1t} -PhytoP	16-B ₁ -PhytoP	9-L ₁ -PhytoP
<i>Unripe grains</i>							
Control	588.8 ± 60.2 a	765.0 ± 82.6 a	525.0 ± 112.2 a	23.3 ± 8.3 a	109.5 ± 9.8 a	19.0 ± 2.1 a	13.3 ± 1.3 a
SA1	510.7 ± 55.7 a	652.8 ± 63.3 a	468.0 ± 67.0 a	10.1 ± 2.3 b	89.3 ± 9.7 a	16.6 ± 1.6 a	12.1 ± 1.0 a
SA15	482.4 ± 60.0 a	595.0 ± 71.8 a	546.4 ± 62.8 a	9.7 ± 1.8 b	88.5 ± 10.2 a	15.8 ± 1.8 a	11.0 ± 1.1 a
<i>Mature grains</i>							
Control	286.2 ± 52.7 a	728.3 ± 129.3 a	313.1 ± 70.01 a	6.1 ± 0.8 a	66.6 ± 14.4 a	12.8 ± 2.2 a	9.4 ± 1.5 a
SA1	209.5 ± 39.3 a	571.9 ± 114.2 ab	364.6 ± 113.6 a	5.6 ± 0.7 a	45.8 ± 10.0 ab	10.2 ± 2.1 a	7.4 ± 1.3 ab
SA15	186.8 ± 37.8 a	442.5 ± 92.5 b	222.8 ± 65.4 a	4.5 ± 0.6 a	39.4 ± 6.6 b	8.9 ± 1.9 a	5.6 ± 0.9 b
<i>Interaction harvest time x SA treatment</i>							
<i>p-value</i>	N.s.	N.s.	N.s.	*	N.s.	N.s.	N.s.

Control, without salicylic acid; SA1 and SA15, application with 1 and 15 mM of salicylic acid. Concentration PhytoPs (ng.g⁻¹ dw) presented as mean ± SEM (n=3). ^x Values in the same row followed by different letters are significantly different at p<0.05 according to one-way analysis of variance (ANOVA) and multiple range test of Tukey for salicylic acid treatments in unripe and mature grain of three rice genotypes. ^y N.s., no significant, * significant (p<0.05).

Table S2. Concentration of each oxylin (PhytoFs) quantified according to salicylic acid dose, harvest time

Factor	<i>ent-16(RS)-9-epi-ST-Δ^{14}-10-PhytoF</i>	<i>ent-9(RS)-12-epi-ST-Δ^{10}-13-PhytoF</i>	<i>ent-16(RS)-13-epi-ST-Δ^{14}-9-PhytoF</i>
<i>Unripe grains</i>			
Control	19.3 \pm 2.1 a	3.2 \pm 0.3 a	13.8 \pm 2.3 a
SA1	16.8 \pm 1.6 a	2.9 \pm 0.3 a	12.5 \pm 1.9 a
SA15	15.2 \pm 1.7 a	2.9 \pm 0.3 a	9.6 \pm 1.1 a
<i>Mature grains</i>			
Control	18.1 \pm 3.3 a	4.5 \pm 0.7 a	11.0 \pm 2.1 a
SA1	13.3 \pm 1.3 ab	3.0 \pm 0.4 b	7.5 \pm 0.8 b
SA15	11.6 \pm 1.5 b	3.1 \pm 0.5 b	6.0 \pm 0.7 b
<i>Interaction harvest time by SA treatment</i>			
<i>p</i> -value	N.s.	N.s.	N.s.

Control, without salicylic acid; SA1 and SA15, application with 1 and 15 mM of salicylic acid. Concentration PhytoFs (ng.g⁻¹ dw) presented as mean \pm SEM (n=3). ^x Values in the same row followed by different letters are significantly different at p<0.05 according to one-way analysis of variance (ANOVA) and multiple range test of Tukey for salicylic acid treatments in unripe and mature grain of three rice genotypes. ^y N.s., no significant (p<0.05).