

Supplementary Table 1. Normalized emission of volatile compounds from switchgrass plants (cv. Alamo) treated with fall armyworms (FAW), methyl jasmonate (MeJA), salicylic acid (SA) or mock control. Results from non-treated controls were the same as mock controls. Values were obtained in biological triplicate and are reported as mean peak area analyte/peak area internal standard (nonyl acetate)/gFW/hr \pm SD. Significantly different emission rates among treatments were determined by ANOVA and post-hoc Tukey HSD tests where $\alpha \leq 0.05$. Significantly different values are marked with letters. Compound identification was based on similarity to library matches (NIST, WILEY) and comparisons to authentic standards. nd = not detected, tr = trace.

Compound	Control	MeJA	FAW	SA
limonene	nd	6.35e-04 \pm 1.49e-04	nd	5.06e-04 \pm 5.38e-05
(<i>E</i>)- β -ocimene	nd	2.31e-04 \pm 8.76e-05 ^a	8.63e-04 \pm 1.62e-04 ^b	nd
(<i>E</i>)-DMNT	nd	4.01e-04 \pm 1.99e-04 ^a	2.28e-03 \pm 5.70e-04 ^b	nd
indole	nd	5.71e-03 \pm 6.16e-04	5.51e-03 \pm 5.18e-04	nd
α -ylangene	nd	1.93e-04 \pm 3.60e-05	nd	nd
elemene isomer	nd	2.26e-04 \pm 7.82e-05	nd	nd
β -elemene	nd	5.03e-03 \pm 6.89e-04 ^a	1.74e-03 \pm 3.00e-04 ^b	nd
(<i>E</i>)- β -caryophyllene	nd	1.16e-02 \pm 1.61e-03 ^a	4.02e-03 \pm 4.44e-04 ^b	4.87e-05 \pm 8.73e-06 ^c
α -bergamotene	nd	4.90e-04 \pm 1.53e-04 ^a	1.49e-03 \pm 3.12e-04 ^b	7.04e-04 \pm 4.54e-05 ^a
unidentified sesquiterpene	nd	1.14e-04 \pm 4.28e-05	5.32e-05 \pm 6.75e-06	nd
(<i>E</i>)- β -farnesene	tr	2.47e-03 \pm 9.97e-04 ^a	6.12e-03 \pm 3.55e-04 ^b	6.14e-03 \pm 3.77e-04 ^b
α -humulene	nd	1.77e-03 \pm 1.62e-04 ^a	7.55e-04 \pm 1.63e-04 ^b	nd
β -copaene	nd	1.50e-03 \pm 1.58e-04 ^a	6.09e-04 \pm 1.27e-04 ^b	nd
Total normalized emission	--	3.03e-02 \pm 4.98e-03	2.34e-02 \pm 2.96e-03	7.39e-03 \pm 4.85e-04