

## Supplementary Material

Treatment															
Drought time course (day)	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
MeJA time course (day)					0	1	2	3	4	5	6	7	8	9	10
					First Sampling										Second Sampling

**Figure S1:** Time course of the experiment. Overall, the experiment took 14 days. Drought was begun at day 0, with MeJA application occurring on day 4. First sampling occurred on day 5 of the drought treatment, one day after MeJA application. The second sampling occurred on the 14th day of the drought treatment, 10 days after MeJA application.

**Table S1:** Effect of application of drought (D) and MeJA (M), separately and combined (D+M), on amounts of monoterpenes emitted ( $\text{ng g}^{-1}\text{DW h}^{-1}$ ) of each compositional group at first and second sampling points. Results are given as mean  $\pm$  SEM. C, control

First sampling	Non-oxygenated	Oxygenated	Induced
C	1052 $\pm$ 516	180 $\pm$ 94	6 $\pm$ 3
D	763 $\pm$ 167	586 $\pm$ 231	9 $\pm$ 3
M	6051 $\pm$ 2389	2571 $\pm$ 609	5787 $\pm$ 1077
DM	1532 $\pm$ 372	2249 $\pm$ 1043	875 $\pm$ 284
Second sampling	Non-oxygenated	Oxygenated	Induced
C	195 $\pm$ 46	25 $\pm$ 13	19 $\pm$ 2
D	559 $\pm$ 241	112 $\pm$ 58	24 $\pm$ 7
M	4774 $\pm$ 3410	1979 $\pm$ 1523	160 $\pm$ 68
DM	1281 $\pm$ 326	278 $\pm$ 70	40 $\pm$ 10

**Table S2:** List of qRT-PCR primers used in this study. Primer sequences are listed from 5'→3' with F for forward and R for the reverse primer.

PRIMER	SEQUENCES
DXS 1F	AAGGGAGCACGAGGTAATAATAAC
DXS 1R	CGATGTAGTGGTCAGGAAGAAC
DXS 2A-1F	GTTGACAGTGGAGGAAGG
DXS 2A-1R	ATTATGGTAGCCGCAATATG
DXS 2B-1F	TGGTTGTAATGGCTCCTTC
DXS 2B-1R	GGGTTCCCTTTGTTGTTTGG
DXR-F	ATCTTGCTTATTCTGCTGGTAG
DXR-R	TGGTCATAGTGTATTATCTCTTCC
UBI-F	GTTGATTTTTGCTGGCAAGC
UBI-R	CACCTCTCAGACGAAGTAC