

Supplementary Information (SI)

SURVIVAL OF PLANTS DURING SHORT-TERM BOA-OH EXPOSURE: ROS RELATED GENE EXPRESSION AND DETOXIFICATION REACTIONS ARE ACCOMPANIED WITH FAST MEMBRANE LIPID REPAIR IN ROOT TIPS

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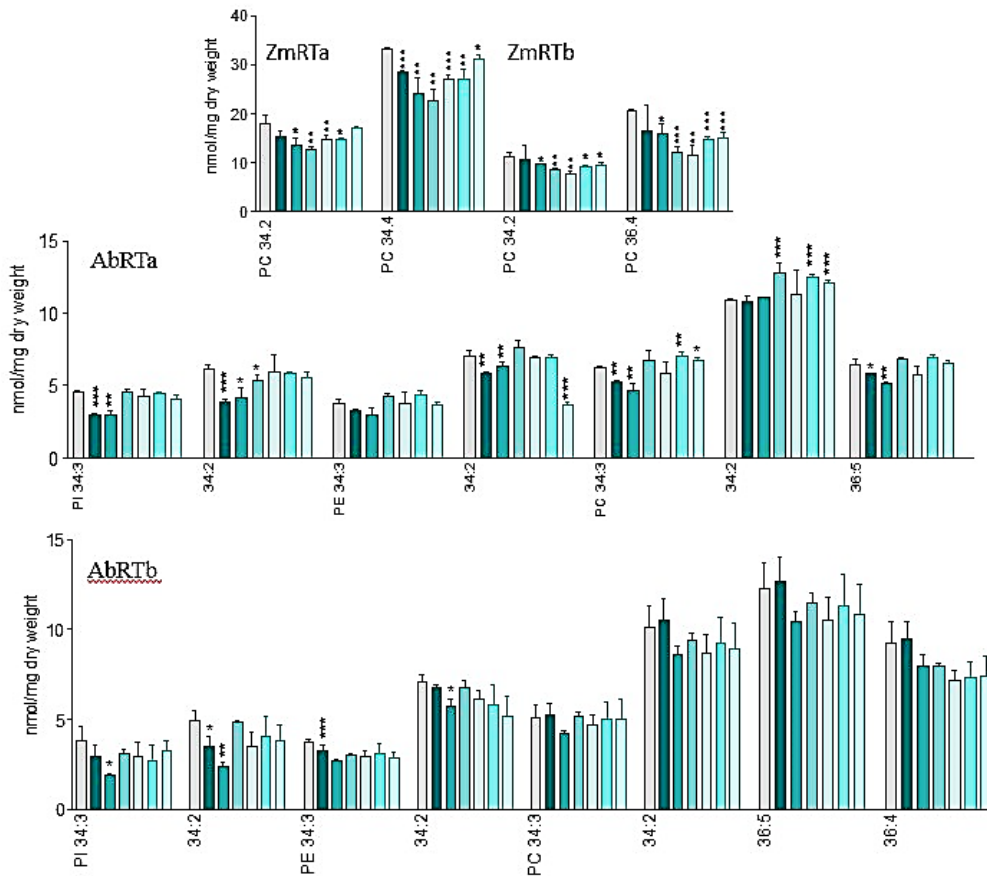


Figure 1S: Affected and not affected molecular species of major phospholipids in RTa (young root tip tissue) and RTb (older root tip tissue) samples of maize (Zm, above left RTa, right RTb) and *Abutilon theophrasti* (AB, middle AbRTa, below AbRTb). Grouped columns present control and incubation times (left to right: 0 = control, 10, 20, 30, 40, 50, 60 min). PLs: phosphatidylcholine (PC), phosphatidylethanolamine (PE), phosphatidylinositol (PI).

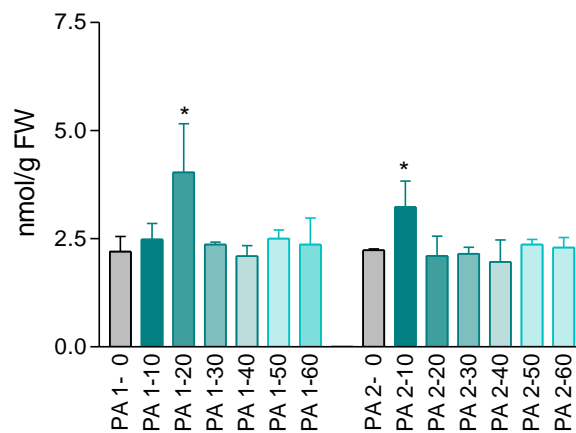


Figure S2: Phosphatidic acid generated with low significance only in *Abutilon* after 20 min (RTa PA1) and 30 min (RTb PA2) of incubation.

SI Table S1: Primers used in the study

Gene	Primer Sequence
Cat1 forw.	ACCTGAAGCCGAGCATGTAAGGAT
Cat1 rev.	ATAATCGACCACCGACCATCAGCA
Cat3 forw.	CCGGCTCAACATGAAGGCAAACAT
Cat3 rev.	TTCTCTTGTTCTGGCGACGACAT
FAD2.1 forw.	ACCACCTCTTCTCCACCATGCC
FAD2.1 rev.	CCTTGCGGTTGCGGTTCTCAG
FAD2.2 forw	TGCCGCTGCTGATCGTGAAC
FAD2.2 rev.	TGCGTGTCCGTGATGTTGTGG
NPR1 forw.	CTCCAGAGGGGCACAGCCGA
NPR1 rev.	CGAGAACACGCTGCCCTCCG
PR1 forw.	TCAGTCATGCCGTTAGCTT
PR1 rev.	TTGTCCGCGTCCAGGAA
PR4 forw.	TGATGGATAGATGGCGATTGC
PR4 rev.	AGAATTGACACCGCCAAACC
Sod2 forw.	CACCAACGGCTGCATGTC
Sod2 rev.	ATGCTCCTTGCCAACAGGAT
Act1 forw.	GGGATTGCCGATCGTATGAG
Act1 rev.	GAGCCACCGATCCAGACT