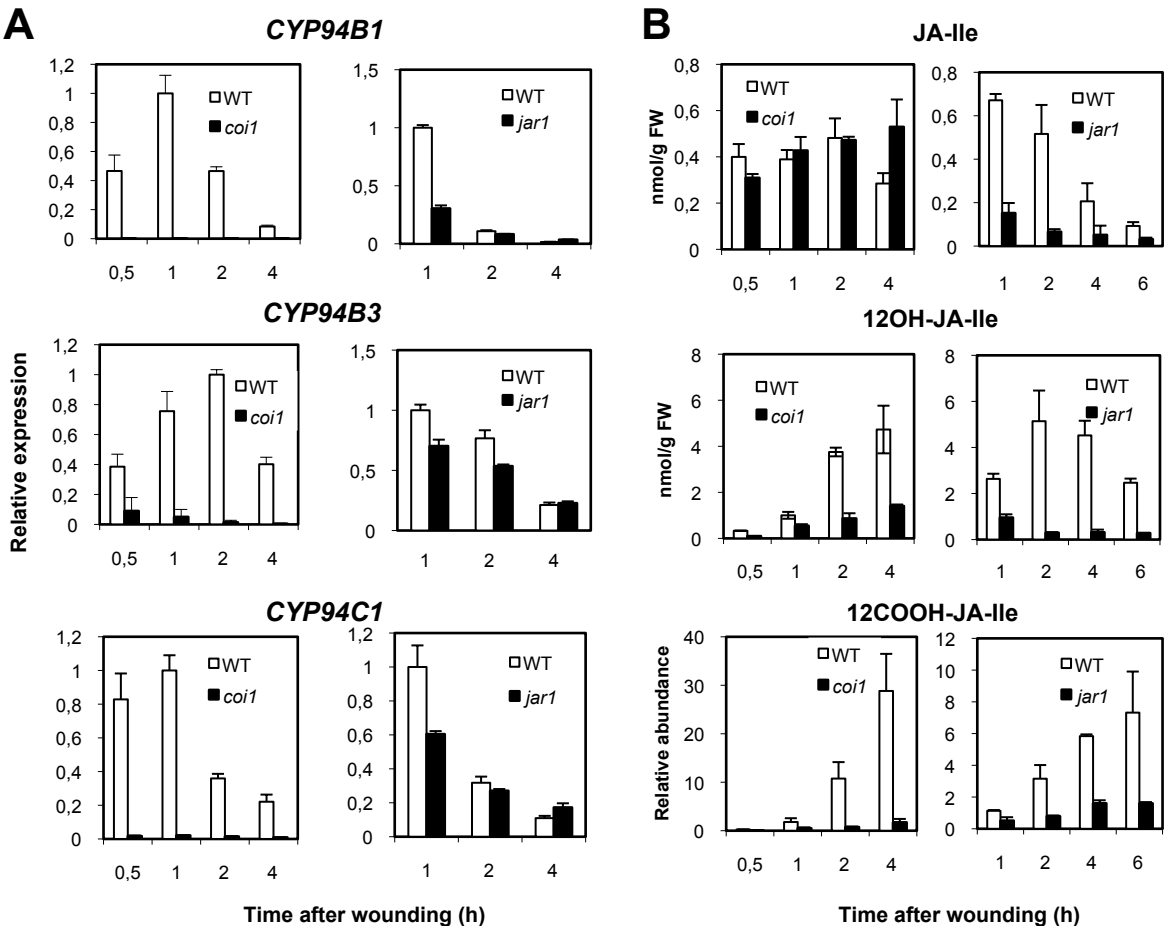
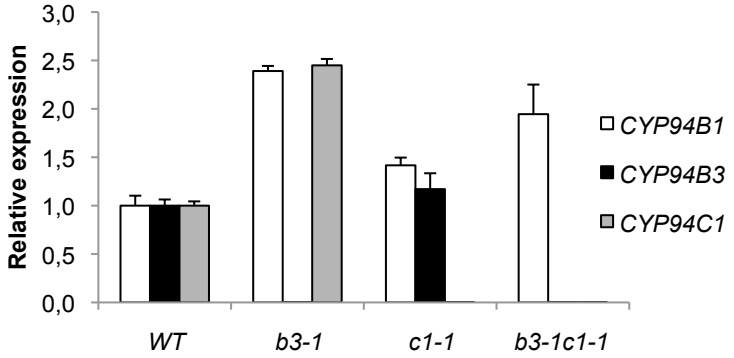


Supplemental Figure S1 Heitz et al

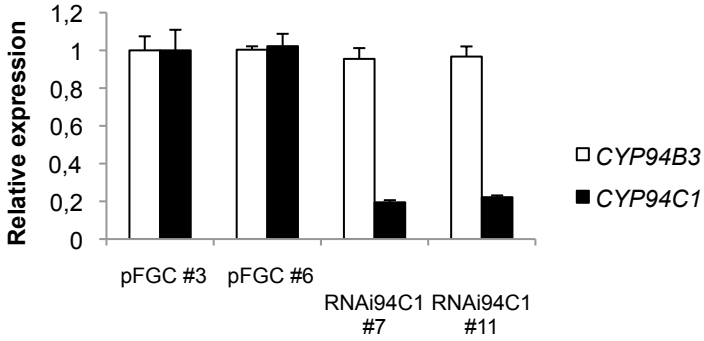
Expression of CYP94 genes and JA-Ile oxidation in *jar1* and *coi1* mutants upon wounding. *A*, real-time PCR determination of CYP94B1, CYP94B3 and CYP94C1 expression in WT, *coi1-1* (left) and *jar1-1* (right) plants. All expression values are relative to expression at 1 h post-wounding in WT which was set to 1 for each gene. *B*, time course of JA-Ile (upper), 12OH-JA-Ile (middle) and 12COOH-JA-Ile (bottom) accumulation in wounded leaves of wild-type and *coi1-1* (left) or *jar1-1* mutants (right). Data are means ± SE from three replicate samples. Two independent experiments were performed with similar results.

T-DNA insertion lines used :
cyp94b3-1 : N302217
cyp94c1-1 : SALK_055455

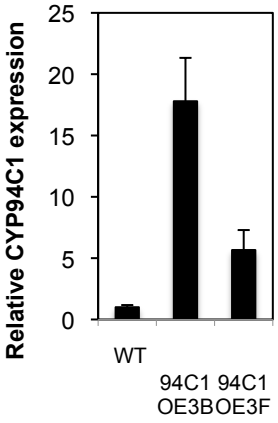
A Relative expression of *CYP94* genes 1h post-wounding in selected F2 progeny of a cross between *cyp94b3-1* and *cyp94c1-1*. *CYP94B1* was used as a stimulation control.



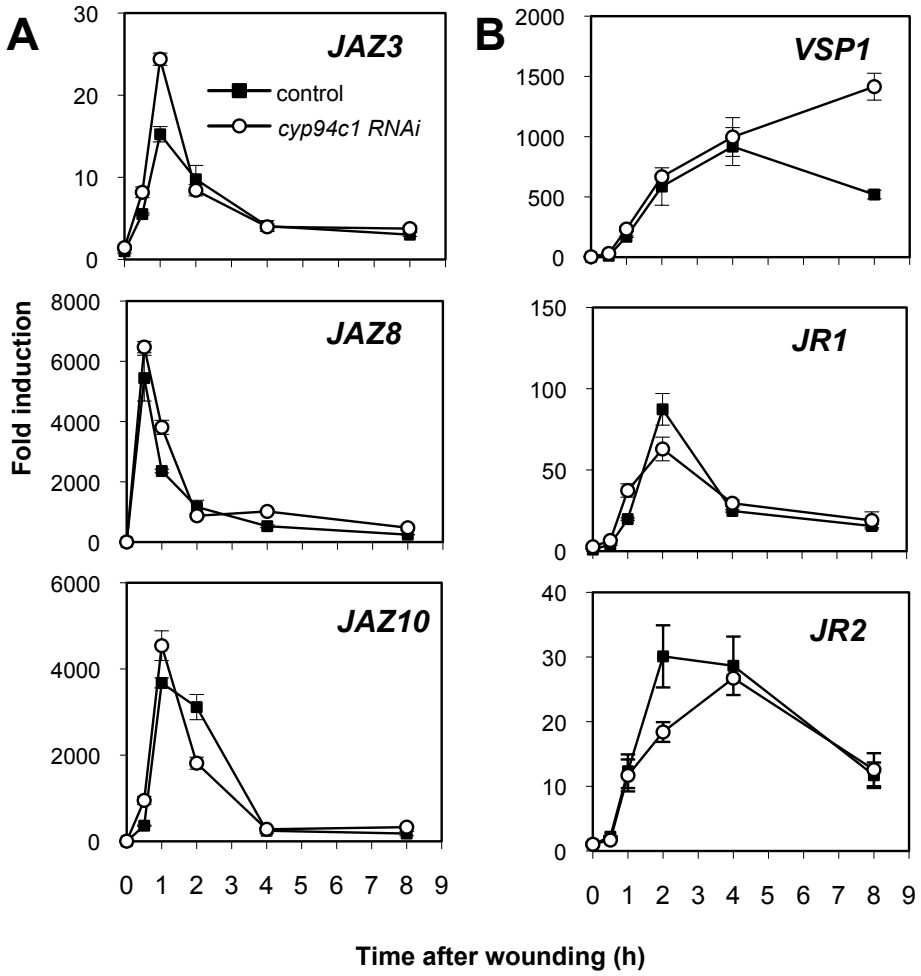
B Relative expression of *CYP94B3* and *CYP94C1* genes 1h post-wounding in T2 control (pFGC) plants and plants expressing a silencing construct (RNAi). CYP94B1 was used as a stimulation control.



C Relative expression of *CYP94C1* in T3 plants of 35S::CYP94C1 lines 1h post-wounding, relative to WT T0

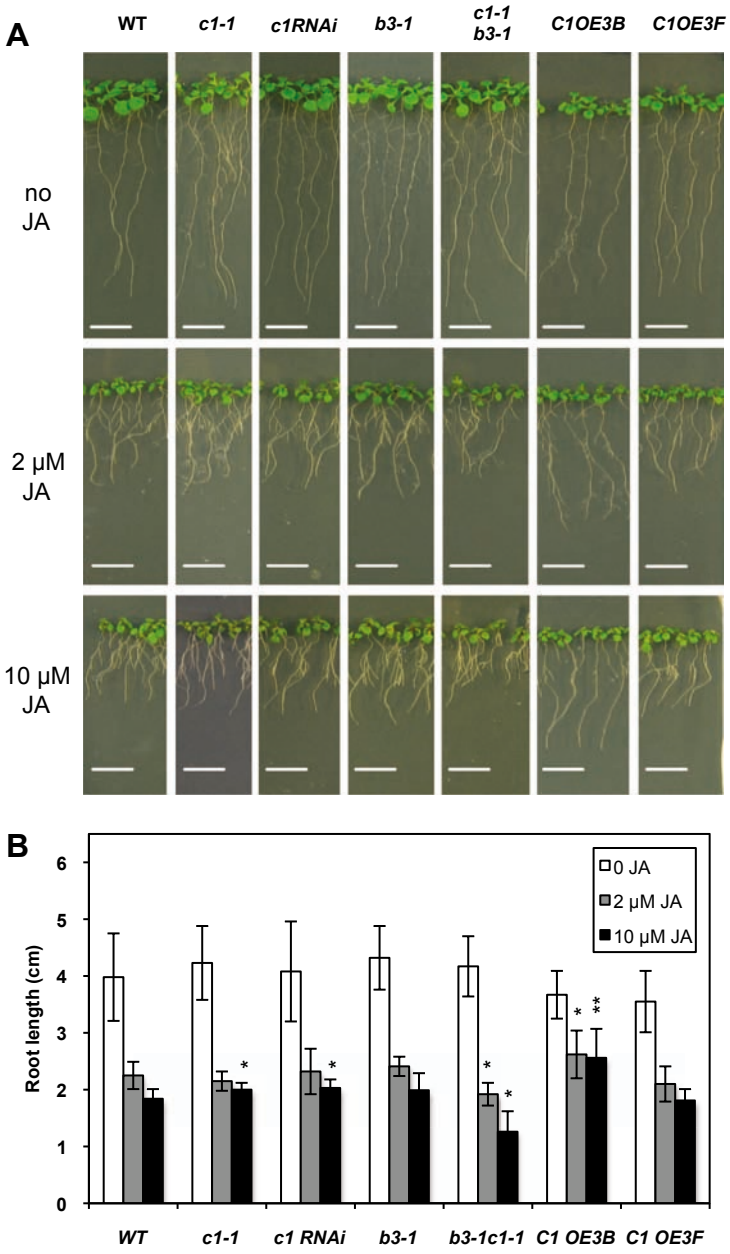


Supplemental Figure S2 : Heitz et al
CYP94B3 or/and CYP94C1 gene expression levels in modified plant lines.



Supplemental Figure S3 : Heitz et al.

JA-responsive gene expression in CYP94C1-deficient plants upon wounding. Leaves of control (transformed with an empty pFGC vector) and CYP94C1 RNAi plants (same plant set as used in Figure 3*A*) were mechanically wounded and harvested for RNA extraction. Gene expression time courses were established by real time PCR. Expression is represented as fold induction relative to level at T0 in WT plants that was set to 1 for each gene. *A*, early- responsive JAZ genes. *B*, wound- and jasmonate-responsive defense genes. Data are means ± SE from three replicate samples.



Supplemental Figure S4 : Heitz et al

JA-sensitivity of *CYP94*-modified plant lines. Root growth inhibition assay was performed with WT and CYP94-modified plant lines. *A*, Photographs showing root length of seedlings grown for 13d in absence or in presence of the indicated JA concentrations. Scale bar, 1 cm. *B*, Quantification at d11 of primary root length of seedlings show in A. Data shown are mean ±SD (n>12). Asterisks indicate a significant difference between WT and indicated genotype (t test, * : $p<0.001$; **$p<0.0001$).

Table S1 : Primers used in this study (Heitz et al)

Use	Gene/Allele (locus)	Primer name	Sequence (5' -> 3')
qPCR	*CYP94B1* (At5g63450)	CYP94B1 qPCR F62	caatgaggctttacccaccag
		CYP94B1 qPCR R62	aaatgtcgtcgtttgctgcat
	CYP94B2 (At3g01900)	CYP94B2-F	caacgttgacggaaacctct
		CYP94B2-R	ggggtgaagtcgtgtgtagc
	CYP94B3 (At3g48520)	CYP94B3 qPCR F62	tggcttacacgaaggcttgtc
		CYP94B3 qPCR R62	agtcccacgaaactggaggat
		CYP94B3 1,15-F*	acgtgtcaagagaggaggagacaaagtg
		CYP94B3 1,25-R*	caccggttcgggttaaactcttctg
	CYP94C1 (At2g27690)	CYP94C1 qPCR F63	ggcccggattacgaagagttt
		CYP94C1 qPCR R63	ggccggaacttaccttcgtt
		94C1-F-N55455**	ctcatctctttcctctcacctt
		94C1-R-N55455**	agacgatggtgaatgatatgattag
	CYP94D1 (At1g34540)	CYP94D1-F	cctgtgccagtggacataaag
		CYP94D1-R	caaatgtcccatcaggcaat
	CYP94D2 (At3g56630)	CYP94D2-F	ccgtcgaaatcaacactaggc
		CYP94D2-R	gcgaaccgctccaatatgt
	OPR3 (At2g06050)	OPR3-F	gctcgcttaccttcacgttacac
		OPR3-R	cttgaaccgcgaaaccaaatccg
	VSP1 (At5g24780)	VSP1-F	ccgtcaatgtttggatctttg
		VSP1-R	gctgtgttctcggtcccata
* and ** : primers used for *cyp94b3-1** or *cyp94c1-1*** lines			
***CYP94C1* RNAi construct**			
	CYP94C1	CYP94C1 RNAi NX	gatgccatggtctagagagtttggaacttggaagtg
		CYP94C1 RNAi AB	cattggcgcgccggatccgttttccataacagaggaaacg
CYP94C1* construct for overexpression *in planta			
	CYP94C1	CYP94C1-SK63S	aaaaagcaggctatgttactaatcatatcattcacc
		CYP94C1-SK63R2	agaaagctgggtctaactcctttcttggatcataac
***CYP94* expression in yeast**			
	CYP94B3	CYP94B3-pYEDP60-F	tcccccgggatggcatttcttctgagttttttgatactagc
		CYP94B3-pYEDP60-R	ccggaattcttaaacgttgttaaggatgtgacttcttctc
	CYP94C1	CYP94C1-pYeDP60-F	ccccccccgggatgttactaatcatatcattc
		CYP94C1-pYeDP60-R	cccccgagctcctaatggtgatggtgactcctttcttggatcat
T-DNA genotyping			
	T-DNA	LBb1.3 (SALK)	attttgccgatttcgaac
		o8409 (GABI-Kat)	atattgaccatcatactcattgc
	cyp94b3-1	CYP94B3-0,72F	gaacgtgggaagcgagaggaagc
		BO1BG68	tggtttggttctcactgttcac
	cyp94c1-1	SALK_055455 LP	tgtctttttggaaagtagcacc
		SALK_055455 RP	gattccacggcctaaaagatc