

**SUPPLEMENTARY DATA**

Endoplasmic Reticulum-Associated Inactivation of the Hormone Jasmonoyl-L-Isoleucine by Multiple Members of Cytochrome P450 94 Family in Arabidopsis

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**Table S1.** Primers used in this study

|   | Primer name      | Primer sequences (5' – 3')           |
|---|------------------|--------------------------------------|
| T-DNA genotyping                              |                  |                                      |
| T-DNA   | LBb1             | gcgtggaccgcttgctgcaact               |
|   | o8760            | gggctacactgaattggtagctc              |
| <i>cyp94b3-1</i>                              | P4502GABIkoRP    | gcaaagcaagatctttgtcg                 |
|   | P4502GABIkoLP    | taaggctggatgctgcaatac                |
| <i>cyp94b1-1</i>                              | jh3ckoF1         | aaccgccaccgtcttctccaat               |
|   | jh3ckoR1         | ttgagaggtgttccatctggca               |
| <i>cyp94b1-2</i>                              | jh3cF2           | ttcaccgacctcctaggagatc               |
|   | jh3cR2           | ccatgtgagcggtagaagagg                |
| <i>ill6-1</i>                                 | Salk024894.LP    | gactatgcttcttggtgctgc                |
|   | Salk024894.RP    | cgcacctcttgaatacgttcc                |
| Northern probe                                |                  |                                      |
| <i>CYP94B3</i>                                | P450-2probe3'F   | cggccgggttttctctct                   |
|   | P450-2probe3'R   | gcttcaacatctacatggccag               |
| <i>CYP94B1</i>                                | P450-3 3'probeF2 | gagagagcaatgtattc gatg               |
|   | P4503koLP        | gtatcggaccaatcgtcacag                |
| <i>ACT8</i>                                   | ACT8RTF1         | agggtttctcactccacatgct               |
|   | ACT8RTR1         | ggacaatgcctggacctgct                 |
| RT-PCR  |                  |                                      |
| <i>CYP94B3</i>                                | P4502GABIkoRP    | gcaaagcaagatctttgtcg                 |
|   | JH2 taa R        | ttaaacgttgtaaggatgtgactcttctcttg     |
| <i>CYP94B1</i>                                | P4503koRP        | aaagaaaagcctcgatcgg                  |
|   | jh3c koR2        | ccatgtgagcggtagaagagg                |
| <i>ACT8</i>                                   | ACT8RTF1         | agggtttctcactccacatgct               |
|   | ACT8RT2          | ccagacactgtacttctctcg                |
|   | ACT8RTR1         | ggacaatgcctggacctgct                 |
| <i>CYP94B1-OE</i> construct                   |                  |                                      |
|   | JH3_XbaI F       | ttaatctagaatggaaatgctcaacgcaataattct |
|   | JH3_XhoI R1      | cggctcgagttaataatacatcgaatcacattgct  |
| <i>CYP94B1</i> construct for yeast expression |                  |                                      |
|   | JH3_XmaI_F       | ttcccgggatggaaatgctcaacgcaataattct   |
|   | JH3_XmaI_R       | ttcccgggttaataatacatcgaatcacattgct   |

Table S1. Continued

*Promoter-GUS* constructs

|                |                      |                                  |
|----------------|----------------------|----------------------------------|
| <i>CYP94B1</i> | JH3 promoter F1 ClaI | ccatcgatgcagccaacacgagcttaa      |
|                | JH3 promoter R1 XmaI | ttcccggggcggttgagcatttccattt     |
| <i>CYP94B3</i> | JH2 promoter F2 ClaI | ccatcgatgcatggattgaggctaaaaggcta |
|                | JH2 promoter R3 XmaI | tccccggggtcagaagaaatgcatattgt    |

*CYP94-mRFP* constructs for subcellular localization

|                |          |   |
|----------------|----------|---|
| <i>CYP94B3</i> | FBP-3875 | caggacgtctagatgttactaatcatatcattcaccatc |
|                | FBP-3876 | catgaccgtcgacttactccttcttggatcataaccgg  |
|                | FBP-3873 | tgatttgattcaagattcatggcg                |
|                | FBP-3874 | cgccatgaatcttgaatcaaatca                |
| <i>CYP94C1</i> | FBP-3879 | caggacgtctagatggcatttctctgagtttttgata   |
|                | FBP-3880 | catgaccgtcgacttaacgttgtaaggatgtgacttct  |
|                | FBP-3877 | catattcaatgtggacggtcactca               |
|                | FBP-3878 | tgagtgaccgtccacattgaatatg               |

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