

Jasmonic acid and salicylic acid interact to determine spatial regulation of gene expression response in leaf to herbivore and mechanical wounding

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#### Supplementary movies

**Movie S1: *pMC::EYFP* response in nontransgenic background after CPB feeding (transgenic line 18) – first instance.** Overlay of chlorophyll (purple) and EYFP (green) channel is shown. Mind the autofluorescence in EYFP channel inside the wound. hpw: hours post wounding. Scale bar: 1 mm.

**Movie S2: *pMC::EYFP* response in nontransgenic background after CPB feeding (transgenic line 18) – second instance.** Overlay of chlorophyll (purple) and EYFP (green) channel is shown. Mind the autofluorescence in EYFP channel inside the wound. hpw: hours post wounding. Scale bar: 1 mm.

**Movie S3: *pMC::EYFP* response in nontransgenic background after CPB feeding and mechanical wounding (transgenic line 18).** Overlay of chlorophyll (purple) and EYFP (green) channel is shown. Mind the autofluorescence in EYFP channel inside the wound and of the CPB saliva droplet (round circle in the middle). hpw: hours post wounding. Scale bar: 1 mm.

**Movie S4: *pMC::EYFP* response in *NahG* background after mechanical wounding (transgenic line 7).** Overlay of chlorophyll (purple) and EYFP (green) channel is shown. Mind the autofluorescence in EYFP channel inside the wound. hpw: hours post wounding. Scale bar: 1 mm.

**Movie S5: *pMC::EYFP* response in *NahG* background after mechanical wounding (transgenic line 12).** Overlay of chlorophyll (purple) and EYFP (green) channel is shown. Mind the autofluorescence in EYFP channel inside the wound. hpw: hours post wounding. Scale bar: 1 mm.

**Movie S6: *pMC::EYFP* response in nontransgenic background after mechanical wounding (transgenic line 18).** Overlay of chlorophyll (purple) and EYFP (green) channel is shown. Mind the autofluorescence in EYFP channel inside the wound. hpw: hours post wounding. Scale bar: 1 mm.

**Movie S7: *pMC::EYFP* response in nontransgenic background after 1 mM JA treatment followed by mechanical wounding immediately, 15 min and 1h later (transgenic line 18).** Overlay of chlorophyll (purple) and EYFP (green) channel is shown. Mind the autofluorescence in EYFP channel inside the wound. NW: needle wound, hpt: hours post treatment. Scale bar: 1 mm.

34 **Movie S8: *pMC::EYFP* response in nontransgenic background after 1 mM INA treatment followed by**  
35 **mechanical wounding immediately, 15 min and 1h later (transgenic line 18).** Overlay of chlorophyll  
36 (purple) and EYFP (green) channel is shown. Mind the autofluorescence in EYFP channel inside the wound.  
37 NW: needle wound, hpt: hours post treatment. Scale bar: 1 mm.

38 **Movie S9: *pMC::EYFP* response in nontransgenic background after mock 1 mM JA treatment followed**  
39 **by mechanical wounding immediately, 15 min and 1h later (transgenic line 18).** Overlay of chlorophyll  
40 (purple) and EYFP (green) channel is shown. Mind the autofluorescence in EYFP channel inside the wound.  
41 NW: needle wound, hpt: hours post treatment. Scale bar: 1 mm.

42 **Movie S10: *pMC::EYFP* response in nontransgenic background after mock 1 mM INA treatment**  
43 **followed by mechanical wounding immediately, 15 min and 1h later (transgenic line 18).** Overlay of  
44 chlorophyll (purple) and EYFP (green) channel is shown. Mind the autofluorescence in EYFP channel inside  
45 the wound. NW: needle wound, hpt: hours post treatment. Scale bar: 1 mm.

46 **Movie S11: *pMC::EYFP* response in nontransgenic background after 1 mM JA treatment followed by**  
47 **mechanical wounding immediately, 15 min and 1h later (transgenic line 14).** Overlay of chlorophyll  
48 (purple) and EYFP (green) channel is shown. Mind the autofluorescence in EYFP channel inside the wound.  
49 NW: needle wound, hpt: hours post treatment. Scale bar: 1 mm.

50 **Movie S12: *pMC::EYFP* response in nontransgenic background after 1 mM INA treatment followed by**  
51 **mechanical wounding immediately, 15 min and 1h later (transgenic line 14).** Overlay of chlorophyll  
52 (purple) and EYFP (green) channel is shown. Mind the autofluorescence in EYFP channel inside the wound.  
53 NW: needle wound, hpt: hours post treatment. Scale bar: 1 mm.

54 **Movie S13: *pMC::EYFP* response in nontransgenic background after mock 1 mM JA treatment followed**  
55 **by mechanical wounding immediately, 15 min and 1h later (transgenic line 14).** Overlay of chlorophyll  
56 (purple) and EYFP (green) channel is shown. Mind the autofluorescence in EYFP channel inside the wound.  
57 NW: needle wound, hpt: hours post treatment. Scale bar: 1 mm.

58 **Movie S14: *pMC::EYFP* response in nontransgenic background after mock 1 mM INA treatment**  
59 **followed by mechanical wounding immediately, 15 min and 1h later (transgenic line 14).** Overlay of  
60 chlorophyll (purple) and EYFP (green) channel is shown. Mind the autofluorescence in EYFP channel inside  
61 the wound. NW: needle wound, hpt: hours post treatment. Scale bar: 1 mm.