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**Phytophagy of omnivorous predator *Macrolophus pygmaeus* affects performance of herbivores through induced plant defences**

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Supplementary Materials for

Phytophagy of omnivorous predator *Macrolophus pygmaeus* affects performance of herbivores  
through induced plant defences

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**Supplementary Data Description**

**Supplementary Results** Spread of Rhodamine-B through sweet pepper plants

**Supplementary Table S1** Parameters used for detection of phytohormones and related compounds  
with LC-MS/MS

**Supplementary Figure S1** Presence of Rhodamine-B in sweet pepper leaves 3, 5 and 6 after 4h, 24h,  
and 48h.

**Supplementary References**

## **Supplementary Results**

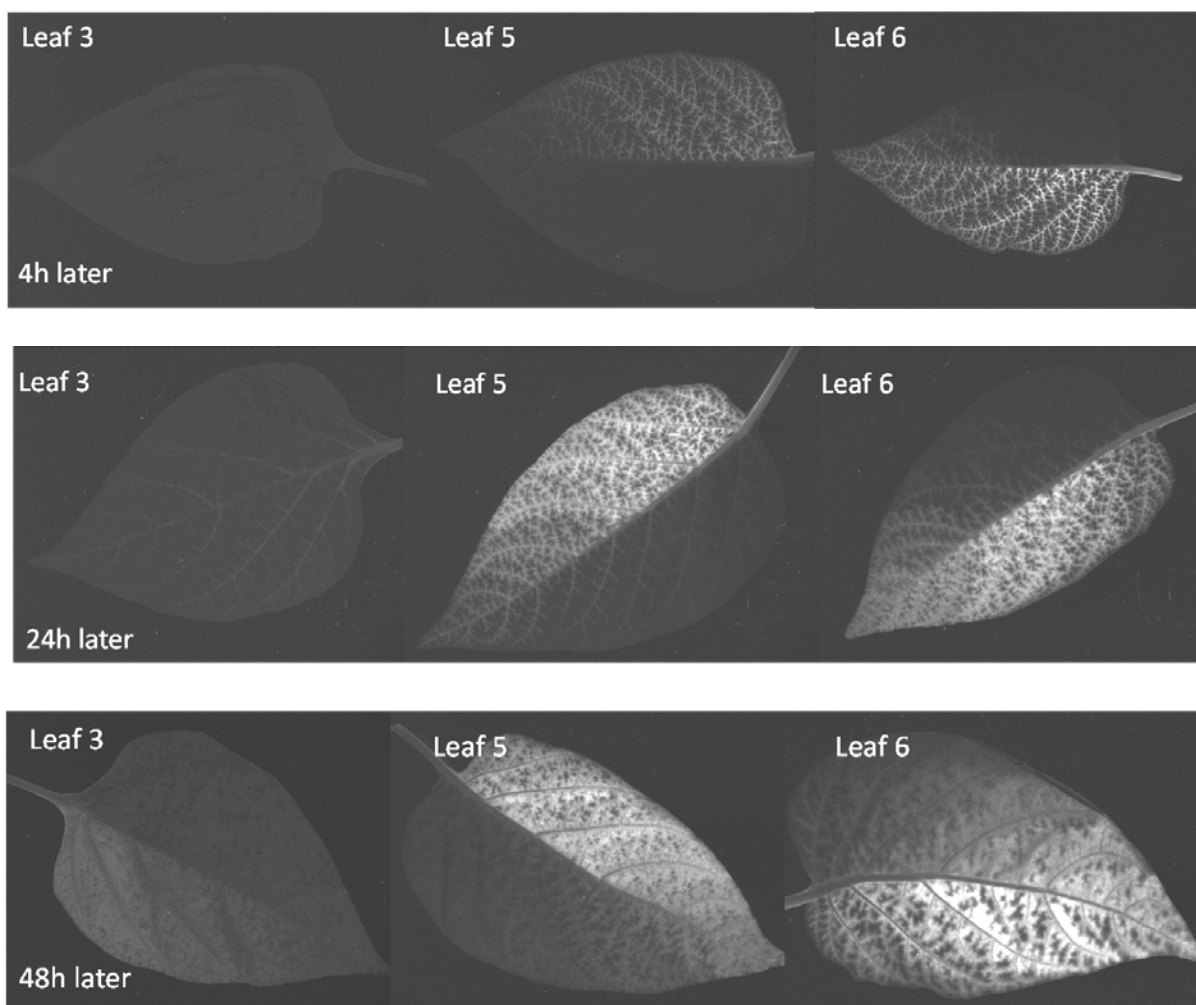
### **Spread of Rhodamine-B through sweet pepper plants**

After 4h, Rhodamine-B was observed in half of leaf 5 and 6, but not in leaf 3 (Figure S1), suggesting that half of the leaves 5 and 6 were connected with leaf 4 through vascular bundles, but leaf 3 was not directly connected. Subsequently, the Rhodamine-B also accumulated in the other halves of leaf 5 and 6 after 24 h (Figure S1). After 48h, it was visible in leaf 3 and both sides of leaves 5 and 6.

**Table S1** Parameters used for detection of phytohormones and related compounds with LC-MS/MS

Compound	Capillary	Molecular	Fragment	CE <sup>2</sup> (V)	Reference
	CID <sup>1</sup> (V)	ion [M-H] ( <i>m/z</i> )	ion ( <i>m/z</i> )		
<b>OPDA</b>	-35	291	165	18	(Koo et al. 2009)
<b>JA</b>	-35	209	59	12	(Wu et al. 2007)
<b>D<sub>5</sub>-JA (IS)</b>	-35	213	61	12	(Alba et al. 2015)
<b>JA-Ile</b>	-35	322	130	19	(Wu et al. 2007)
<b>SA</b>	-35	137	93	15	(Wu et al. 2007)
<b>D<sub>6</sub>-SA (IS)</b>	-35	141	97	15	(Alba et al. 2015)
<b>ABA</b>	-35	263	153	9.0	(Bonaventure et al. 2011)
<b>D<sub>6</sub>-ABA (IS)</b>	-35	269	159	9.0	(Bonaventure et al. 2011)

<sup>1</sup>collision-induced dissociation; <sup>2</sup>collision energy; IS = internal standard.



**Fig. S1** Presence of Rhodamine-B in sweet pepper leaves 3, 5 and 6 after 4h, 24h, and 48h. Rhodamine-B was applied to the main vein and petiole of leaf 4

## Supplementary References

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