

**Table S4.** Overall experimental design

<b>1<sup>st</sup> stress (pretreatment)</b>		<b>2<sup>nd</sup> stress (caterpillars)</b>		<b>Measurements</b>	<b>Figures</b>
None Egg extract Pathogen	72 h →	None Unconstrained feeding	24 h →	Leaf tissues for microarrays Leaf tissues for JA, SA, GS	<b>Fig. 1, 2</b> <b>Fig. S5</b>
			7 days →	Caterpillar performance unconstrained	<b>Fig. 3A</b>
		Constrained feeding - at site of pretreatment - at site distal to pretreatment	24 h →	Leaf tissues for JA, SA, GS Leaf tissues for QPCR	<b>Fig. 4</b> <b>Fig. 5</b>
			4 days →	Caterpillar performance constrained	<b>Fig. 3B</b>
None Aphids	48 h →	None Unconstrained feeding	24 h →	Leaf tissues for microarrays	<b>Fig. 1, 2</b>