

Supplementary Tables

Supplementary Table 1. Primers for hormone- and defence marker genes used in qRT-PCR analysis

Gene	Acc. number	Primer sequence
<i>HEL</i>	At3g04720	F: GATAAGCCGTACGCATGGC R: TCACCCTTAAACACTTGCCG
<i>PDF1.2</i>	At5g44420	F: TGTTCTCTTTGCTGCTTTG R: TTTCCGCAAACCCCTGAC
<i>PR5</i>	At1g75040	F: AGGCTGCAACTTTGACGC R: AGAAATCTTTGCCGCCATC
<i>UBP22</i>	At5g10790	F: ACAACATATGACCCGTTTATCGA R: TGTTTAGGCGGAACGGATACT
<i>18S RNA</i>		F: TGACACGGGGAGGTAGTGACA R: AGTCTGGTAATTGGAATGAGTACAATCTAA
<i>JAR1</i>	At2g46370	F: GCTACATTTGCTGTGATTCCG R: GGTATCGATACAACCCTGCG
<i>NPR1</i>	At1g64280	F: GAGTTGCACTTGCTCAACGTC R: GCTATCTTTACACCCGGTGATG
<i>EIN2</i>	At5g03280	F: CCTTGTCATAATGGAGCAGG R: CACGATGAAGCCAAGCG

Supplementary Table 2. Validation of *18S rRNA* and *UBP22* for their suitability as reference genes for qRT-PCR analysis. Ct-values obtained for infected vs. non-infected *A. thaliana* tissue. i=infected, ni=non-infected

H. schachtii - shoot

	Mean Ct	SE	p-value
18S i	14.37	+/- 0.03	
18S ni	14.57	+/- 0.10	0.1986
UBP22 i	26.79	+/- 0.21	
UBP22 ni	26.95	+/- 0.15	0.5655

F. occidentalis - root

	Mean Ct	SE	p-value
18S i	14.53	+/- 0.08	
18S ni	14.53	+/- 0.03	0.9450
UBP22 i	28.73	+/- 0.38	
UBP22 ni	29.19	+/- 0.37	0.4300

T. urticae - root

	Mean Ct	SE	p-value
18S i	14.578	+/- 0.07	
18S ni	14.5343	+/- 0.03	0.6337
UBP22 i	29.54	+/- 0.37	
UBP22 ni	29.20	+/- 0.37	0.5479

Supplementary Table 3. Hormone quantification of shoots of *A. thaliana* plants infected with *H. schachtii* in comparison to shoots of non-infected control plants; ABA =abscisic acid, DPA=dihydrophaseic acid, PA=phaseic acid, ABA-GE=abscisic acid glucosyl ester, NeoPA= neophaseic acid, IAA=indole-3-acetic acid, IAA-Asp=indole-3-acetyl-aspartate, OxIAA=2-oxindole-3-acetate, PAA=2-phenylacetic acid, IPya= indole-3-pyruvic acid, IAN= indole-3-acetonitrile, SA=salicylic acid, JA=jasmonic acid, JA-Ileu=jasmonic acid isoleucine, cis-OPDA=12-oxophytodienoic acid, GA=gibberellin, CK=cytokinins, act-CKs=active cytokinins (*trans*-zeatin, dihydrozeatin, isopentenyladenine, *cis*-zeatin and the corresponding ribosides), CK N-glc=cytokinin N-glucosides, CK O-glc=cytokinin O-glucosides,CK P=cytokinin precursors, cZ der= derivatives of *cis*-zeatin, ACC=1-aminocyclopropane-1-carboxylic acid

	inf.		non-inf.		statistics
	MW	SE	MW	SE	p-value
ABA	5.04	0.30	5.78	0.69	0.3639
DPA	4.55	0.47	1.73	0.27	0.0020
PA	2.54	0.27	2.02	0.27	0.2247
ABA-GE	15.54	1.56	13.04	1.51	0.2933
NeoPA	0.11	0.02	0.14	0.08	0.7259
IAA	21.83	0.87	18.39	0.59	0.0171
IAA-Asp	13.57	1.69	11.67	0.60	0.3306
OxIAA	235.55	19.99	218.88	20.10	0.5780
PAA	268.36	31.28	237.26	21.12	0.4415
IPyA	32.12	3.77	17.69	3.15	0.0260
IAN	896.41	28.63	775.06	73.50	0.1748
SA	690.39	28.87	405.46	84.18	0.0186
JA	34.54	1.58	13.22	1.61	0.0001
JA-Ileu	0.18	0.09	0.09	0.02	0.3559
cisOPDA	1206.91	326.06	867.88	40.06	0.3419
GA ₄	3.01	0.56	1.91	0.17	0.1106
GA ₈	0.80	0.21	0.81	0.18	0.9803
GA ₁₉	4.49	0.56	4.98	0.39	0.4992
act CK	7.01	0.26	7.72	0.28	0.1132
CK N-glc	53.78	3.42	55.46	1.71	0.6767
CK O-glc	3.95	0.27	3.46	0.40	0.3459
CK P	8.23	0.25	8.32	0.24	0.8167
cZ der	6.60	0.40	7.59	0.16	0.0617
ACC	47725.97	3222.76	42652.97	5933.27	0.4809

Supplementary Table 4. Hormone quantification of roots of *A. thaliana* plants infested with *F. occidentalis* and *T. urticae* in comparison to roots of non-infested control plants; ABA=abscisic acid, DPA=dihydrophaseic acid, PA=phaseic acid, IAA=Indole-3-acetic acid, IAN= indole-3-acetonitrile, SA=salicylic acid, JA=jasmonic acid, JA-Ileu=jasmonic acid isoleucine, cis-OPDA=12-oxophytodienoic acid, GA=gibberellin, ACC=1-aminocyclopropane-1-carboxylic acid

THRIPS ROOTs	infested	control	p-value
ABA	2.72	3.10	0.4798
DPA	20.24	11.18	0.0160
PA	0.81	0.89	0.8164
IAA	25.19	34.84	0.0052
IAN	474.25	1226.25	0.0000
SA	256.76	186.09	0.0897
JA	6.48	3.54	0.0005
JA-Ileu	0.70	0.14	0.0186
cisOPDA	350.39	276.26	0.0838
GA ₄	0.20	0.32	0.4869
GA ₈	0.78	1.15	0.1950
GA ₁₉	2.79	1.04	0.0202
act CK	3.72	3.41	0.2777
ACC	5490.72	5603.34	0.9173

MITE ROOTs	infested	control	p-value
ABA	4.30	2.59	0.0001
DPA	26.48	15.28	0.0007
PA	0.87	0.64	0.2729
IAA	52.68	39.28	0.0043
IAN	1052.06	722.23	0.0450
SA	305.36	257.00	0.0882
JA	8.56	6.78	0.0377
JA-Ileu	0.45	0.25	0.5134
cisOPDA	500.63	368.46	0.0096
GA ₄	0.70	0.35	0.1379
GA ₈	1.23	0.67	0.1548
GA ₁₉	2.27	2.15	0.8523
act CK	3.10	2.48	0.1037
ACC	4528.48	3006.43	0.0516

