



Supplement Figure S1: GC-MC chromatogram of *P. thunbergii* with different levels of resistance at 24 h after inoculation with PWN (A) resistant *P. thunbergii* (B) susceptible *P. thunbergii*;

Table S1: Sepcific primers used in this study

Primer names	Primer sequences (5'-3')
<i>P. thunbergii</i> EF1a-F	GGGAAGCCACCCAAAGTTT
<i>P. thunbergii</i> EF1a-R	TACATGGGAAGACGCCGAAT
HMDH1-F	TTGCGCACTTGATTCCTTGC
HMDH1-R	TGTCGTTTCGATTCCCCACTG
GGPPS-F	AGGCACTGGAAAGGG
GGPPS-R	AATGCACAGAACAGG
PT1-F	ACACCTTCGGAACGATGGAC
PT1-R	TCTCCGCCTCTCTAGCCATT
PT2-F	ACGTGAGAATGGGTTGCAGT
PT2-R	AAAGTGGATGTCCAGCGGTT

Table S2: Differences in volatile matter content of differentially resistant *P. thunbergii* after inoculation with PWNs.

Terpenoids		Percentage content of volatile matter in needles at different inoculation times (%)							
		0h		24h		72h		168h	
		Resistant <i>P. thunbergia</i>	Susceptible <i>P. thunbergia</i>	Resistant <i>P. thunbergia</i>	Susceptible <i>P. thunbergia</i>	Resistant <i>P. thunbergia</i>	Susceptible <i>P. thunbergia</i>	Resistant <i>P. thunbergia</i>	Susceptible <i>P. thunbergia</i>
1	ricyclene	7.85	0.11	7.15	18.78	0.12	0.3	0.1	0.18
2	α -Pinene	9.61	7.93	11.77	10.7	15.06	15.01	16.12	16.44
3	Camphene	0.22	0.15	0.56	0.47	0.58	1.13	0.75	0.75
4	Terpinolene	6.94	4.13	5.95	4	6.31	4.54	6.49	3.1
5	β -Pinene	9.61	15.27	10.43	15.72	14.74	21.49	16.37	19.79
6	β -Myrcene	4.27	1.84	4.33	2.21	5.94	2.7	5.85	3.43
7	α -Phellandrene	0.1	0.16	0.1	0.2	0.24	0.3	0.27	0.28
8	β -cis-Ocimene	0.88	0.18	0.34	0.53	11.07	17.28	11.74	13.05
9	γ -Terpinene	0.11	0.08	0.21	0.14	0.17	0.32	0.2	0.29
10	Linalool	0.5	-	1.14	-	1.27	0.06	1.87	0.24
11	trans-3-Pinanone	0.27	0.06	0.08	0.11	0.64	0.24	0.87	0.58
12	β -Elemene	1.75	1.09	1.2	1.73	1	0.26	0.88	1.06
13	β -Cyclogermacrene;	1.28	0.38	0.97	0.59	0.66	2.88	0.6	2.68
14	α -Cubebene	1.41	0.68	1.07	1.09	0.64	0.9	0.64	0.41
15	Ylangene	0.42	0.32	0.36	0.23	0.27	0.19	0.25	0.18
16	Longifolene	0.6	1.99	0.63	1.27	0.61	0.68	0.82	0.36
17	Caryophyllene	15.71	18.4	15.06	16.8	13.12	18.87	12.82	17.36
18	epi- β -Caryophyllen	-	-	1.31	-	1.21	-	1.19	3.89
19	α -Muurolene	-	2.5	-	0.27		0.58		2.39
20	γ -Muurolene	2.12	10.07	1.63	7.39	3.84	3.49	3.64	2.77
21	Germacrene D	6.95	8.95	6.23	8.82	5.01	9.99	7.91	10.55
22	Germacrene B;	5.38	-	2.71	-	-	-	-	-
23	Alloaromadendrene	1.73	-	1.46	-	-	-	-	-
24	cis-Muurola-4(15),5-diene	0.15	0.23	0.19	0.23	0.17	0.26	0.15	0.18
25	γ -Cadinene	11.46	2.89	9.82	2.82	5.47	2.83	5.02	2.43
26	α -Cadinene	0.47	0.29	0.38	0.44	0.25	0.24	0.21	0.14
27	(-)- β -Cadinene	-	4.39	-	4.7	1.18	4.47	-	4.03
28	β -Selinene	1.52	0.57	0.73	0.12	-	-	1.04	1.17
29	Cubenene	0.09	0.17	0.16	0.16	1.06	0.13	0.78	0.09
30	Caryophyllene oxide	0.16	0.16	0.3	0.09	0.12	-	0.11	-
31	α -Terpineol	-	-	0.18	-	0.24	-	0.29	-
32	Myrtenal	-	-	-	-	0.12	-	0.15	-
33	Dehydrosabinene	0.63	-	0.59	-	0.43	-	0.36	-
34	Pseudolimonen	10.37	-	9.27	-	7.63	-	-	-
35	3-Carene	0.83	0.17	-	0.18	-	-	-	-
36	Valencen	1.99	1.83	-	1.74	5.83	-	5.01	-
37	Bicylogermacrene	4.06		0.62	-	0.22	-	0.2	-

38	α -Thujene	10.82	0.22	-	5.52	14.14-	-	9.1	-
39	Sabinen	-	-	-	-	15.9	-	18.89	-
40	Benzene, n-butyl-	-	-	-	-	0.37	-	0.3	-
41	Borneol		-	-	0.14	-	0.12	-	-