

Supplementary Materials

Table S1: Primer sequences of housekeeping (*APT1*, *TIP41* and *CLATHRIN*) and *PME* genes used for molecular analyses.

Relative gene expressions of *PME* were measured using stably expressed reference genes (*APT1*, *TIP41* and *CLATHRIN*) with similar results. Only those obtained with the housekeeping gene *APT1* are shown in the paper.

Gene name	Forward primer sequence	Reverse primer sequence
TIP41 (At4g34270)	5'-GCTCATCGGTACGCTCTTT-3'	5'-TCCATCAGTCAGAGGCTTCC-3'
APT1 (At1g27450)	5'-GAGACATTTTGCCTGGGATT-3'	5'-ATTTTAAGTGAACA-3'
CLATHRIN (At5g46630)	5'-GTTTGGGAGAAGAGCGGTTA-3'	5'-CTGATGTCACTGAACCTGAACCTG-3'
PAE7 (At4g19410)	5'-ATGCGAGCATTGTCACCGGTTCC-3'	5'-CCGACTGCTTTCGAATTCTCG-3'
PME12 (At2g26440)	5'-ACTTCCGATCTGCTACTCTTGCG-3'	5'-TAGTGCAACCGCTTGGTGCTTC-3'
PME17 (At2g45220)	5'-AGCAAGGCGTTTACAGTGAGAACC-3'	5'-CCGCGACAGTAGCTGAGTTAAAGG-3'
PME18 (At1g11580)	5'-TTTCCAATCGCTTCCGTCGTG-3'	5'-TCGCGGTACCTTAAGTGCTTG-3'
PME20 (At2g47550)	5'-TGAGTGCTGCCATCACAATGAG-3'	5'-CCTTCTGGCACCAACCTTTG-3'
PME31 (At3g29090)	5'-GGGAAACGCAGAGAACGAGAGAAG-3'	5'-ACCCGGACCAAGCACCTATAC-3'
PME35 (At3g59010)	5'-CCGCCATGGGAGATGGATTCATAG-3'	5'-AGTTTGGTCCGGCACTGTTAC-3'
PME40 (At4g02320)	5'-ACTTCAAGACCCGGTGGATGAG-3'	5'-AACCTGGTTTCACTCGAGTTGGG-3'
PME41 (At4g02330)	5'-TACATCGCCGAACCTTCGTGTC-3'	5'-GCTTCTCTGGTCCAGCGGTATTC-3'
PME44 (At4g33220)	5'-CACTTCCGATCAGCTACATTCGC-3'	5'-ATCTCAGTGCTACCGCCTGATG-3'
PME51 (At5g09760)	5'-GGTTCGTAAACGCCGGTATGC-3'	5'-TCTCCTACCACTCCGACAGTTG-3'
PME59 (At5g51490)	5'-GGTCGGAGATGGAATGAGATCCAC-3'	5'-GATACCGGCAGTAGCGGAATTG-3'
PME62 (At5g55590)	5'-TTACAGGGAGAAGGTGATTGTC-3'	5'-TCTCCGCATAGCTCTCATTACC-3'

Table S2: Expression analysis of *PAEs* genes (Mean \pm SD) in *A. thaliana* roots (6 hai, 12 hai and 12 dai) in WT and *Atpme3-1*, infested or not. Target genes were normalized to the housekeeping gene *APT1* as internal control (n = 2 technical replicates per genotype and condition). nd = non-detectable. *PAE1* and *PAE12* are never detected in our conditions.

		PAE2	PAE3	PAE12	PAE4	PAE5	PAE7	PAE8	PAE9	PAE10	PAE11
6 HAI	WT control	0.0007 ± 0.0004	0.033 ± 0.007	0.159 ± 0.006	0.080 ± 0.022	0.235 ± 0.005	43,686 ± 4.003	0.0036 ± 0.0001	0.015 ± 0.002	0.0001 ± 0.00008	0.095 ± 0.017
	WT infested	0.0003 ± 0.00001	0.002 ± 0.0001	0.090 ± 0.004	0.012 ± 0.001	0.078 ± 0.009	15,703 ± 0.538	0.0003 ± 0.0002	0.002 ± 0.003	0.0002 ± 0.00001	0.020 ± 0.002
12 HAI	WT control	nd	0.040 ± 0.002	0.187 ± 0.013	nd	0.277 ± 0.017	41,274 ± 3.246	0.006 ± 0.005	0.006 ± 0.005	0.0002 ± 0.00003	0.109 ± 0.016
	WT infested	nd	0.009 ± 0.001	0.082 ± 0.006	nd	0.071 ± 0.005	14,228 ± 0.602	0.003 ± 0.002	0.003 ± 0.002	0.0003 ± 0.00001	0.033 ± 0.004
14 DAI	WT control	nd	nd	nd	nd	nd	76,291 ± 3.380	0.022 ± 0.004	0.022 ± 0.010	nd	0.089 ± 0.012
	WT infested	nd	nd	nd	nd	nd	75,923 ± 3.403	0.049 ± 0.011	0.008 ± 0.002	nd	0.024 ± 0.009
6 HAI	pme3 control	nd	0.022 ± 0.011	0.017 ± 0.004	nd	nd	55,096 ± 14.594	nd	nd	nd	0.058 ± 0.011
	pme3 infested	nd	0.015 ± 0.004	0.008 ± 0.002	nd	nd	30,360 ± 2.231	nd	nd	nd	0.028 ± 0.005
12 HAI	pme3 control	nd	0.002 ± 0.001	0.063 ± 0.004	0.003 ± 0.002	0.064 ± 0.004	12,050 ± 0.855	nd	nd	nd	0.013 ± 0.001
	pme3 infested	nd	0.014 ± 0.003	0.137 ± 0.009	0.056 ± 0.021	0.022 ± 0.008	25,349 ± 0.924	nd	nd	nd	0.032 ± 0.002
14 DAI	pme3 control	nd	nd	nd	nd	nd	18,651 ± 0.230	nd	nd	nd	0.016 ± 0.005
	pme3 infested	nd	nd	nd	nd	nd	26,815 ± 2.566	nd	nd	nd	0.029 ± 0.002