

Figure S1. Mesquite trees used for the application of exDNA under field conditions.

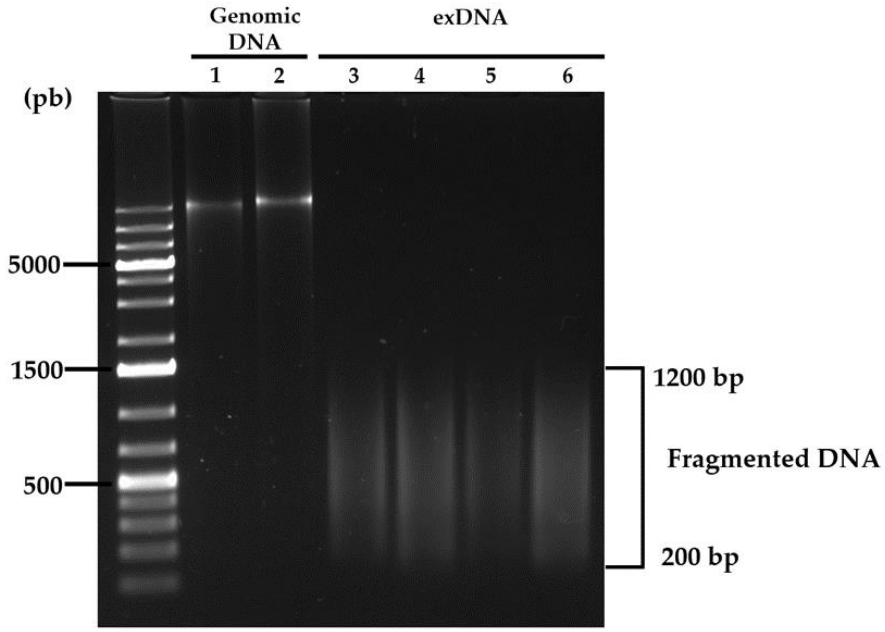

Figure S2. Agarose gel electrophoresis of self- and non-self exDNA. Genomic DNA was extracted from *P. laevigata* tree leaves (Line 1: 40 ng/ μL), and *P. calyculatus* mistletoe leaves (Line 2: 60 ng/ μL) that were fragmented by sonication to obtain the self- (Line 3, and 4: *P. laevigata*: 100 ng/μL or 200 ng/μL, respectively) and non-self exDNA (Line 5, and 6: *P. calyculatus*: 100 ng/μL or 200 ng/μL, respectively), that resulted in fragments around of 200-1200 bp. All samples were verified on 3.6% agarose gel with ethidium bromide staining.

Table S1. Primers sequences used for semi-quantitative RT-PCR analysis for *MAPK*s gene expression levels.

Name primer	Sequence (5´- 3´)	Protein	Amplicon size (bp)
*mapk*2 fw	agggttggccacttatggtg	Mitogen-activated protein kinase homolog MMK2-like	248 bp
*mpak*2 rv	catgatccatgtgccgaagc		
mapk4 fw	acggcggcaacagctacgataa	Serine/threonine-protein kinase 4 homolog A-like	469 bp

mapk4 rv	ctacgcaccacggttccactgac		
*mapk*10 fw	ctgatggatcgaaagccatt	Mitogen-activated protein kinase homolog D5 isoform X1, Protein homolog Mitogen-activated protein kinase 10	347 bp
*mapk*10 rv	gcatgttgctcaaagtcgaa		
*actin*1 fw	cctttatgctagtggccgca	Protein actin	261 bp
*actin*1 rv	tagcttttctcgacagctgaacta		