

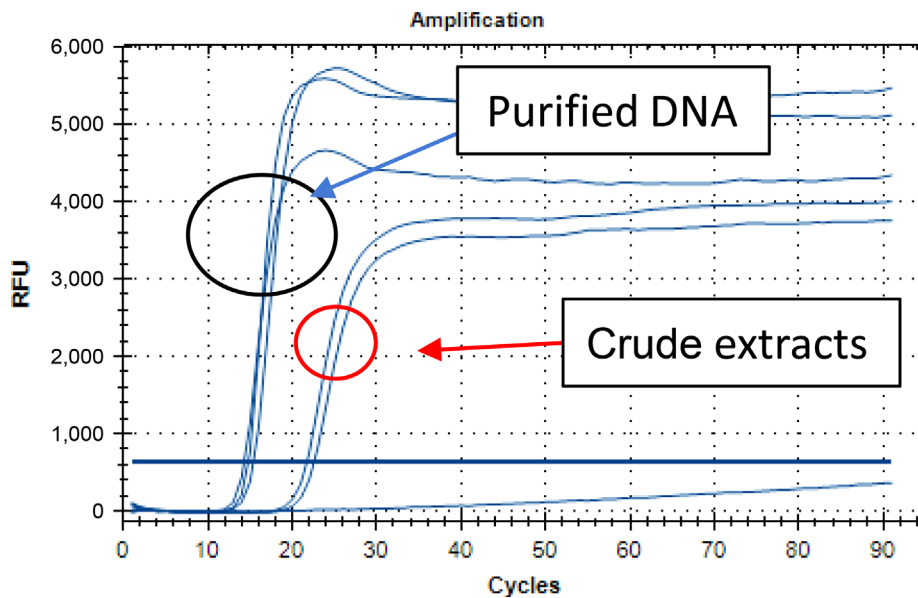
B

Sample ID	Asymptomatic leaves				Symptomatic leaves	
	Light green		Dark green		Blotch mottling	
	qPCR ^a	rt-LAMP ^b	qPCR	rt-LAMP	qPCR	rt-LAMP
a	35.63	-	36.35	-	21.86	16.59
b	33.16	-	30.38	22.12	23.39	23.17
c	-	-	24.58	17.92	20.68	15.75
d	-	-	34.58	-	21.39	16.39
e	35.02	-	27.71	23.90	22.18	16.70

^aqPCR Ct value

^brt-LAMP conducted on CFX96 real-time PCR instrument. Tt=1 equals to 30 s.

Supplementary Fig. 1. Comparison of quantitative real-time polymerase chain reaction (qPCR) and real-time loop-mediated isothermal amplification (rt-LAMP) using asymptomatic and symptomatic leaves at different developmental stages. (A) Asymptomatic and symptomatic leaves. The sample IDs (a to e) are indicated in the top panel. (B) qPCR and rt-LAMP data conducted on the real-time PCR instrument.



Supplementary Fig. 2. Comparison of real-time loop-mediated isothermal amplification conducted with purified DNA and crude extracts prepared with 0.8% sodium hydroxide or Agdia AMP extraction buffer.