

Supplementary Table 1. PCR primers used in this study, ordered in relative positions from 5' to 3' of the corresponding gene/region.

Primer name	Primer sequence (5' to 3')	Forward (f) or reverse (r)	Notes
<i>ago-1</i>			
<i>Region 1</i>			
<u>Ago1Reg1F1</u>	ccaaatytrggacgagaa	f	
<u>Ago1a-r1F1</u>	ccgaccaattgtgcttcgtg	f	Specific to copy -1a
<u>Ago1b-r1F1</u>	ccgaccaattaggcttcgta	f	Specific to copy -1b
Ago1a-r1F2	ccattgcctattggaacga	f	Specific to copy -1a
Ago1b-r1F2	ccattgcctattggaaggaa	f	Specific to copy -1b
Ago1b-r1F3Mp	tgggtgaatcattagaaggta	f	Specific to copy -1b of <i>M. persicae</i>
Ago1b-r1F3	ggcwgacagaagaccaatacc	f	Specific to copy -1b
Ago1b-r1R2	tagatggctgcawtgactgg	r	Specific to copy -1b
Ago1b-r1R2Mp	tagatggccggagtgactgg	r	Specific to copy -1b of <i>M. persicae</i>
Ago1Reg1F2	ccwwcwmaatggaaaatgatgct	f	
<u>Ago1Reg1R1</u>	ttgcrtttgagctggtytc	r	
<u>Ago1a-r1R1</u>	tgcttacgattgcattgag	r	Specific to copy -1a
<u>Ago1b-r1R1</u>	tgcttacgtttgcgtttgag	r	Specific to copy -1b
<i>Region 2</i>			
<u>Ago1Reg2F1</u>	aaggmaactgyaagragtg	f	
<u>Ago1a-r2F2</u>	ctcctgatcgtgaacgagag	f	Specific to copy -1a
<u>Ago1b-r2F2</u>	ctcctgcacgtgaacaagat	f	Specific to copy -1b
Ago1Reg2F2	caatagcttgytttgcayc	f	
Ago1a-r2F1	gtgcgtgaggatgcgtaag	f	Specific to copy -1a
Ago1b-r2F1	gtgcgcgatgatgctataaa	f	Specific to copy -1b
Ago1Reg2F3	kcyacwcaatgtgtcaagc	f	
Ago1Reg2F4	caatgtgttcaagcdaaaat	f	
Ago1Reg2R2	attgrtaccrccaattca	r	
Ago1b-r2R1Ag	gcagcaattgattgtgtaatg	r	Specific to copy -1b of <i>Aphis gossypii</i>

<u>Ago1Reg2R1</u>	ccttcgcatactccatcrcg	r	
<u>Ago1a-r2R1</u>	actgtccttcggatactcca	r	Specific to copy -1a
<u>Ago1b-r2R1</u>	gctgtccttcggatactcca	r	Specific to copy -1b

Region 3

<u>Ago1Reg3F1</u>	agckattcgagaggcaatgt	f	
<u>Ago1a-r3F1</u>	cagctattcgagaggcatgt	f	Specific to copy -1a
<u>Ago1b-r3F1</u>	tggcgattcgagaggcatgt	f	Specific to copy -1b
Ago1b-r3R2Ag	ccgggtttgtaatccacttc	r	Specific to copy -1b of <i>Aphis gossypii</i>
Ago1a-r3R2Rp	ttccggattgttcctttttg	r	Specific to copy -1a of <i>Rhopalosiphum padi</i>
Ago1b-r3R2Rp	attcatccgactcgaaatgg	r	Specific to copy -1b of <i>Rhopalosiphum padi</i>
Ago1a-r3R2Ag	atgacttgggcgacttgctc	r	Specific to copy -1a of <i>Aphis gossypii</i>
<u>Ago1a-r3R1</u>	ccggtgcaggtatagacaca	r	Specific to copy -1a
<u>Ago1b-r3R1</u>	ccggtgcaggtatagatata	r	Specific to copy -1b
<u>Ago1Reg3R1</u>	ccggtgcaggtatagayaya	r	

dcr-1

Dcr1bF0	cctaattggatggagataggg	f	For longer sequence in <i>Acyrtosiphon</i> spp
<u>Dic1abF1</u>	tgggarttaaattcaaacactgg	f	
Dcr1abF2	tcrggrccaartccwagt	f	
Dcr1abF3	ttrgaaacrathggwgattc	f	
Dcr1bF2	ttgagccccgtagtaattgg	f	For longer sequence in <i>Acyrtosiphon</i> spp
Dic1abR2	ggcatgrgtcatdgcytgta	r	
Dcr1bR2	aatgcaccacgantaccaca	r	For longer sequence in <i>Acyrtosiphon</i> spp
<u>Dic1abR1</u>	cgattgggrtaataagaagca	r	
Dcr1bR0	ccattctctcttgatagc	r	For longer sequence in <i>Acyrtosiphon</i> spp
Dcr1bR3	cccgaactgattcaaaaat	r	For longer sequence in <i>Acyrtosiphon</i> spp

The primers mainly used for amplification of each region/gene are underlined.