

Supplementary Table 1. Apple orchard sites information

Orchard	Longitude	Latitude
Yeongwol A	37.1564	128.3001
Yeongwol B	37.1564	128.3001
Yeongwol C	37.1564	128.3001
Geochang A	35.6971	127.9080
Geochang B	35.7667	127.9155
Geochang C	35.8483	127.8611
Andong A	36.5105	128.8468
Andong B	36.5105	128.8468
Andong C	36.4148	128.9181
Yeongju A	36.9915	128.6559
Yeongju B	36.9915	128.6559
Yeongju C	36.9915	128.6559
Iksan A	36.0558	127.0051
Iksan B	36.0558	127.0051
Iksan C	36.0558	127.0051
Dangjin A	36.8854	126.7856
Dangjin B	36.8456	126.7080
Dangjin C	36.8456	126.7080
Yesan A	36.6931	126.7894
Yesan B	36.6931	126.7894
Yesan C	36.7557	126.7243
Goesan A	36.7933	127.9388
Goesan B	36.7933	127.9388
Goesan C	36.7933	127.9388
Danyang A	37.0980	128.3456
Danyang B	37.0980	128.3456
Danyang C	37.0980	128.3456

Supplementary Table 2. *Erwinia amylovora* specific qPCR quantitative polymerase chain reaction

Sample		Region	Ct value
Leaf	Twig		
1L1	1T1	Yeongwol	Ct > 34
1L2	1T2		
1L3	1T3		
1L4	1T4		
2L1	2T1	Geochang	Ct > 34
2L2	2T2		
2L3	2T3		
2L4	2T4		
3L1	3T1	Andong	Ct > 34
3L2	3T2		
3L3	3T3		
3L4	3T4		
4L1	4T1	Yeongju	Ct > 34
4L2	4T2		
4L3	4T3		
4L4	4T4		
5L1	5T1	Iksan	Ct > 34
5L2	5T2		
5L3	5T3		
5L4	5T4		
6L1	6T1	Dangjin	Ct > 33
6L2	6T2		
6L3	6T3		
6L4	6T4		
7L1	7T1	Yesan	Ct > 34
7L2	7T2		
7L3	7T3		
7L4	7T4		
8L1	8T1	Goesan	Ct > 34
8L2	8T2		
8L3	8T3		
8L4	8T4		
9L1	9T1	Danyang	Ct > 34
9L2	9T2		
9L3	9T3		
9L4	9T4		
Control: <i>Erwinia amylovora</i> genomic DNA			Ct = 28