

Supplementary Table 1. List of analyzed *Erwinia amylovora* isolates

Isolate year	Isolate region	Isolate number	Host
2019	Anseong	3	Pear
	Cheonan	2	Pear
	Chungju	8	Apple, pear
	Eumseong	3	Apple
	Icheon	2	Apple, pear
	Jecheon	10	Apple
	Paju	1	Apple
	Wonju	1	Apple
	Yeoncheon	2	Apple
	Total	32	
2020	Anseong	6	Apple, pear
	Asan	2	Apple, pear
	Cheonan	2	Apple, pear
	Chungju	20	Apple
	Eumseong	2	Apple
	Gwangju	1	Apple
	Icheon	1	Pear
	Iksan	1	Apple
	Jecheon	8	Apple
	Yangju	1	Apple
	Yeoncheon	1	Apple
	Paju	1	Apple
	Pyeongtaek	2	Apple, pear
	Jincheon	1	Apple
	Pyeongchang	1	Apple
Total	50		
2021	Anseong	17	Apple, pear
	Yeoju	3	Apple
	Icheon	3	Apple
	Yongin	3	Apple, pear, hawthorn
	Pyeongtaek	5	Pear
	Namyangju	2	Pear
	Paju	2	Apple, pear
	Yeongwol	1	Apple
	Wonju	2	Apple
	Pyeongchang	1	Apple
	Chungju	9	Apple
	Jecheon	4	Apple
	Eumseong	4	Apple, pear, mountain ash
	Danyang	2	Apple
	Goesan	3	Apple
Jincheon	1	Apple	

(Continued)

Supplementary Table 1. Continued

Isolate year	Isolate region	Isolate number	Host
2022	Cheonan	9	Apple, pear
	Asan	5	Apple, pear
	Dangjin	4	Apple
	Yesan	2	Apple
	Andong	4	Apple
	Yeongju	1	Apple
	Total	87	
	Anseong	20	Apple, pear
	Asan	4	Apple, pear
	Cheonan	25	Apple, pear, quince, hawthorn
	Chungju	21	Apple, pear
	Dangjin	2	Apple
	Danyang	1	Apple
	Eumseong	7	Apple, pear
	Goesan	1	Apple
	Gwangju	2	Apple, pear
	Hongcheon	1	Apple
	Hwaseong	2	Pear
	Icheon	12	Apple, pear
	Jecheon	6	Apple
	Jincheon	5	Apple, pear
	Nonsan	1	Pear
	Pyeongtaek	5	Pear
	Pyeongchang	1	Apple
	Wonju	2	Apple, pear
	Yongin	1	Pear
	Yeoju	1	Apple
Total	120		
2023	Anseong	12	Apple, pear
	Asan	2	Pear
	Andong	10	Apple
	Bonghwa	3	Apple
	Cheonan	12	Apple, pear
	Chungju	19	Apple, pear
	Dangjin	4	Apple
	Eumseong	5	Apple, pear
	Goesan	5	Apple
	Hwaseong	1	Apple
	Icheon	2	Apple
	Jecheon	3	Apple
	Jeongseon	2	Apple
	Jeungpyeong	1	Apple

(Continued)

Supplementary Table 1. Continued

Isolate year	Isolate region	Isolate number	Host
	Jincheon	2	Apple, pear
	Muju	4	Apple
	Namyangju	1	Pear
	Pyeongtaek	4	Apple
	Wonju	2	Apple, pear
	Yanggu	4	Apple
	Yangpyeong	3	Apple
	Yeoju	1	Apple
	Total	102	
Total		391	

Supplementary Table 2. Tandem repeats and primers used for variable number of tandem repeat analysis

Locus	Locus tag (CFBP1430)	Primer (5'-3') with tags ^a	Repeat motif
C	Eamy_0389	FAM-GTGAGCTATTAGCTTTCCGAGCAG TTCATACTATCACTAAGTATCGGA	AACAAT
D	Eamy_1186	NED-CTGCCTCAAAGCAAGGGTTTGTCT CGTGCTTAAGATTACATTATCAAC	TGCCAA
F	Eamy_2580	VIC-AAGCTCATTACCAGGCTATTGGCA TCAGCGGCAGAGAACGGCATCGTG	RGCAGCGTARGYGY- YMGY
H	Eamy_3423	PET-TCACCGACGGTCTGGGTGGTATCG ATGTTAATCATCCGCCATTGGCTC	ATATCACGC

^aPrimer sequences described by Bühlmann et al. (2014).

Reference

Bühlmann, A., Dreo, T., Rezzonico, F., Pothier, J. F., Smits, T. H. M., Ravnkar, M., Frey, J. E. and Duffy, B. 2014. Phylogeography and population structure of the biologically invasive phytopathogen *Erwinia amylovora* inferred using minisatellites. *Environ. Microbiol.* 16:2112-2125.

Supplementary Table 3. Genotypes based on the variable number of tandem repeat patterns

Genotype	Locus C	Locus D	Locus F	Locus H
RV1	12	14	5	9
RV2	8	13	6	9
RV3	9	13	6	9
RV4	10	13	6	9
RV5	11	10	6	9
RV6	11	12	6	9
RV7	11	13	6	9
RV8	11	13	6	10
RV9	12	7	6	9
RV10	12	13	6	7
RV11	12	9	6	9
RV12	12	11	6	9
RV13	12	12	5	9
RV14	12	12	6	9
RV15	12	12	6	10
RV16	12	13	5	9
RV17	12	13	6	5
RV18	12	13	6	6
RV19	12	13	6	9
RV20	12	13	6	10
RV21	12	13	6	12
RV22	12	14	6	9
RV23	12	14	6	10
RV24	12	15	6	9
RV25	12	16	6	9
RV26	13	6	6	9
RV27	13	13	6	9
RV28	13	13	6	10
RV29	13	14	6	9
RV30	14	13	6	9
RV31	15	13	6	9
RV32	17	13	6	8