

Supplementary Table S1. Origin of a selection of 28 Mediterranean bacteriophages with lytic activity against *Erwinia amylovora* (Ea).

Phage ID <sup>a</sup>	Sample material	Location and Plot <sup>b</sup>	Spanish region	Year	Ea strain lysed in the first phage isolation
UV_Eaφ1	Plant material washings (pear trees)	Location 1, Plot 2	Comunidad Valenciana	2018	UPN 527
UV_Eaφ2	Plant material processed by crushing (pear trees)	Location 1, Plot 2	Comunidad Valenciana	2018	UPN 527
UV_Eaφ3	Plant material washings (pear trees)	Location 1, Plot 2	Comunidad Valenciana	2018	UPN 527
UV_Eaφ4	Plant material washings (pear trees)	Location 1, Plot 3	Comunidad Valenciana	2018	UPN 527
UV_Eaφ5	Plant material washings (pear trees)	Location 1, Plot 2	Comunidad Valenciana	2018	UPN 527
<b>UV_Eaφ6</b>	Plant material processed by crushing (pear trees)	Location 1, Plot 3	Comunidad Valenciana	2018	IVIA 1526.6
UV_Eaφ7	Plant material processed by crushing (pear trees)	Location 1, Plot 3	Comunidad Valenciana	2018	IVIA 1526.6
UV_Eaφ8	Plant material processed by crushing (pear trees)	Location 1, Plot 2	Comunidad Valenciana	2018	IVIA 1526.6
UV_Eaφ9	Plant material processed by crushing (pear trees)	Location 1, Plot 4	Comunidad Valenciana	2018	IVIA 1554
UV_Eaφ10	Soil under symptomatic pear trees	Location 1, Plot 2	Comunidad Valenciana	2018	IVIA 1554
UV_Eaφ11	Plant material washings (pear trees)	Location 1, Plot 2	Comunidad Valenciana	2018	IVIA 1554
UV_Eaφ12	Plant material processed by crushing (pear trees)	Location 1, Plot 2	Comunidad Valenciana	2018	IVIA 1554
UV_Eaφ13	Plant material washings (pear trees)	Location 1, Plot 2	Comunidad Valenciana	2018	IVIA 1614.1
UV_Eaφ14	Plant material processed by crushing (pear trees)	Location 1, Plot 4	Comunidad Valenciana	2018	IVIA 1614.2
UV_Eaφ15	Plant material processed by crushing (pear trees)	Location 1, Plot 2	Comunidad Valenciana	2018	IVIA 1614.2
UV_Eaφ16	Soil under symptomatic pear trees	Location 1, Plot 2	Comunidad Valenciana	2018	IVIA 1614.2
UV_Eaφ17	Plant material washings (pear trees)	Location 1, Plot 4	Comunidad Valenciana	2018	IVIA 1614.2
UV_Eaφ18	Plant material processed by crushing (pear trees)	Location 1, Plot 4	Comunidad Valenciana	2018	IVIA 1614.2
UV_Eaφ19	Soil under symptomatic pear trees	Location 1, Plot 4	Comunidad Valenciana	2018	IVIA 1892.1
UV_Eaφ20	Plant material processed by crushing (pear trees)	Location 1, Plot 3	Comunidad Valenciana	2018	IVIA 1892.1
<b>UV_Eaφ21</b>	Plant material washings (pear trees)	Location 1, Plot 2	Comunidad Valenciana	2018	IVIA 1892.1
UV_Eaφ22	Plant material processed by crushing (pear trees)	Location 1, Plot 2	Comunidad Valenciana	2018	IVIA 1892.1
UV_Eaφ23	Plant material processed by crushing (pear trees)	Location 1, Plot 2	Comunidad Valenciana	2018	IVIA 1892.1
<b>UV_Eaφ24</b>	Soil under symptomatic pear trees	Location 1, Plot 3	Comunidad Valenciana	2018	IVIA 1892.1
<b>UV_Eaφ25</b>	Water source nearby a plot with symptomatic pear trees	Location 2, Plot 4	Comunidad Valenciana	2018	IVIA 1614.1
UV_Eaφ26	Water source nearby a plot with symptomatic pear trees	Location 2, Plot 4	Comunidad Valenciana	2018	IVIA 1614.1
<b>UV_Eaφ27</b>	Plant material processed by crushing (pear trees)	Location 2, Plot 4	Comunidad Valenciana	2018	IVIA 1892.1
<b>UV_Eaφ28</b>	Water source nearby a plot with symptomatic pear trees	Location 2, Plot 4	Comunidad Valenciana	2018	IVIA 1892.1

<sup>a</sup> Bold letters, phages selected to be mixed in phage cocktails.

<sup>b</sup> Former fire-blight affected plots of pear trees in two municipalities in the Comunidad Valenciana, Spain, under official control.