

Supplementary Table 2. Results of PCR amplification of Pv33 on genomic DNA from *P. viticola* isolates from different geographical origins and host sources. PCRs were performed using primers designed to amplify the whole gene sequence, from ATG to STOP. PCR with primers for the *P. viticola* tubulin gene confirmed the presence of pathogen DNA in all samples.

Isolate	Host	Collection site	Amplification
PvSC	<i>V. vinifera</i>	Colmar, France	✓
Pv393	<i>V. vinifera</i>	Cugnasco, Switzerland	✓
Pv340	<i>V. vinifera</i>	Tolcsva, Hungary	✓
Pv257	<i>V. vinifera</i>	Listrac, France	✓
Pv125	Regent	Pécs, Hungary	✓
Pv412	Regent	Cugnasco, Switzerland	✓
Pv13	Regent	Latresne, France	✓
MSU1106	<i>V. vinifera</i>	Clarksville, Michigan, USA	✗
NY220	<i>V. vinifera</i>	Long Island, New York, USA	✗
MSU1052	<i>V. labrusca</i>	Fenville, Michigan, USA	✗
MSU319	<i>V. labrusca</i>	Stones, Ohio, USA	✗
MSU330	<i>V. aestivalis</i>	Markko, Ohio, USA	✗
WV16	<i>V. aestivalis</i>	Convington, West Virginia, USA	✗
MSU162	<i>V. vinifera</i>	Jackson, Michigan, USA	✗
FLO23	<i>V. aestivalis</i>	Thallahassee, Florida, USA	✗
NY328	<i>V. riparia</i>	Ithaca, New York, USA	✗
MSU1172	<i>V. riparia</i>	Fenville, Michigan, USA	✗