

Description of Additional Supplementary Files

Supplementary Data 1- Results of the inoculation assays on European grapevine varieties with two isolates of *Xylella fastidiosa* subsp. *fastidiosa* (ST1) carried out in Mallorca between 2018 and 2020.

Supplementary Data 2- Distribution of Pierce's disease in the United States. Data was obtained from different publications in which at least information of the county was provided.

Supplementary Data 3- Pierce's disease risk of establishment in winegrowing regions of China and the Southern Hemisphere.

Supplementary Data 4- Pierce's disease risk areas in European vineyards given by the intersection of Corine-Land-Cover and the projected model in the ERA5-land data under a $R_0=5$ scenario and a spatial heterogeneous vector distribution for 2019 and projection for 2050.