**Supporting Information, Figure S1** Recorded temperatures (**A**) in the three climatic chambers set at 11°C, 17°C and 23°C with a photoperiod of 16h and (**B**) in the four incubators set at -3°C, 4°C, 10°C and 25°C in the dark.



**Supporting Information, Figure S2** Percentage of hatching (± standard error) measured during 33 days post-inoculation (dpi) at different temperatures (11°C, 17°C and 23°C) for each *H. schachtii* population (Mor, Spa, Fra, Ger, Aus, Pol and Ukr).



**Supporting Information, Figure S3** Percentage of hatching (± standard error) measured during 28 days post-inoculation (dpi) after storage at different temperatures (-3°C, 4°C, 10°C and 25°C) for each *H. schachtii* population (Mor, Spa, Fra, Ger, Aus, Pol and Ukr).



**Supporting Information, Figure S4** Percentage of hatching measured during 28 days post-inoculation (dpi) after storage at -3°C for each of the six independent replicates of the *H. schachtii* populations from Morocco (Mor) and Spain (Spa).

