

# Drivers of *Hymenoscyphus fraxineus* infections in inner alpine valleys of North Western Italy

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## Supplementary Table S4

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Table S4. Decreasing spatial gradients of the incidence and impact of *Hymenoscyphus fraxineus* and of the monthly precipitations of April ( $P_4$ ) and July ( $P_7$ ). For each variable the direction from an octant O1 ( $R < 0$ ) to the opposite O2 ( $R > 0$ ) is expressed as O1→O2 ( $\mp R$ ) and the corresponding R values are indicated. Impact variables acronyms are defined as follows: incidence of *H. fraxineus* (*inc*), ash crown transparency (*ctr*), number of lesions observed at the stem base (*nl*), and percentage of leaves displaying necrotic stains on the lamina (*pnl*). Directions acronyms used are derived from the standard windrose directions.

| Variable   | N→S        | NE→SW      | E→W        | SE→NW      |
|------------|------------|------------|------------|------------|
| <i>inc</i> | $\mp 0.34$ | $\mp 0.43$ | $\mp 0.38$ | $\mp 0.24$ |
| <i>ctr</i> | $\mp 0.33$ | $\mp 0.19$ | $\mp 0.29$ | $\mp 0.32$ |
| <i>nl</i>  | $\mp 0.16$ | $\mp 0.39$ | $\mp 0.30$ | $\mp 0.29$ |
| <i>pnl</i> | $\mp 0.44$ | $\mp 0.22$ | $\mp 0.09$ | $\mp 0.05$ |
| $P_7$      | $\mp 0.62$ | $\mp 0.37$ | $\mp 0.47$ | $\mp 0.57$ |
| $P_4$      | $\mp 0.25$ | $\mp 0.43$ | $\mp 0.51$ | $\mp 0.53$ |