Posterior estimates (median log-odds, 90% HDPI): Individual-level infection risk for susceptible species

| **variable** | **Richness only** | **Richness + density of key hosts** | **Richness + community competence** |
| --- | --- | --- | --- |
| Tanoak intercept | 0.83  (0.38, 1.28) | 0.74  (0.33, 1.17) | 0.86  (0.42, 1.29) |
| Coast live oak intercept | -2.23  (-2.81, -1.64) | -2.46  (-3.06, -1.84) | -2.14  (-2.76, -1.56) |
| Shreve oak intercept | -3.12  (-3.73, -2.44) | -3.49  (-4.15, -2.85) | -3.09  (-3.71, -2.43) |
| Bay laurel intercept | 2.02  (1.57, 2.44) | 1.63  (1.18, 2.06) | 2.06  (1.63, 2.49) |
| Basal area of individual | 0.62  (0.43, 0.79) | 0.6  (0.42, 0.8) | 0.6  (0.4, 0.79) |
| Forest type\*\* | -0.68  (-1.24, -0.11) | -0.42  (-1, 0.12) | -0.8  (-1.4, -0.22) |
| Year\* | -0.42  (-0.98, 0.17) | -0.13  (-0.69, 0.42) | -0.35  (-0.96, 0.19) |
| Precipitation | -1.47  (-2, -0.93) | -1.01  (-1.6, -0.45) | -1.42  (-1.94, -0.87) |
| Potential solar induction | -0.09  (-0.63, 0.44) | -0.16  (-0.7, 0.34) | -0.24  (-0.8, 0.3) |
| Host vegetative coverage | 1.11  (0.53, 1.66) | 1.39  (0.78, 1.89) | 1.08  (0.53, 1.64) |
| Mean effect of richness | 0.27  (-0.48, 1.01) | 0.22  (-0.6, 1.03) | 0.38  (-0.35, 1.08) |
| Tanoak-specific richness | -0.14  (-0.79, 0.58) | -0.48  (-1.11, 0.2) | -0.02  (-0.68, 0.66) |
| Coast live oak-specific richness | 0.12  (-0.61, 0.94) | 0.08  (-0.74, 0.81) | 0.21  (-0.57, 0.97) |
| Shreve oak-specific richness | 0.41  (-0.42, 1.35) | 0.56  (-0.43, 1.45) | 0.52  (-0.36, 1.45) |
| Bay laurel-specific richness | 0.83  (0.05, 1.49) | 0.97  (0.31, 1.71) | 0.96  (0.21, 1.71) |
| Bay laurel basal area | – | 1.72  (1.14, 2.34) | – |
| Tanoak basal area | – | -0.15  (-0.72, 0.47) | – |
| Community competence | – | – | 0.67  (0.11, 1.21) |
| Species SD | 2.17  (1.24, 3.45) | 2.21  (1.22, 3.43) | 2.16  (1.19, 3.38) |
| Richness slope SD | 0.6  (0.05, 1.26) | 0.8  (0.26, 1.57) | 0.61  (0.06, 1.28) |
| Plot SD | 1.78  (1.55, 2.01) | 1.66  (1.45, 1.89) | 1.78  (1.55, 2.02) |
| \*Estimate for plots sampled in 2007. | | | |
| \*\*Estimate for redwood forests. | | | |