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

| **variable** | **Richness only** | **Richness + density of key hosts** | **Richness + community competency** |
| --- | --- | --- | --- |
| Tanoak intercept | 0.28  (-0.53, 0.98) | 0.16  (-0.67, 0.89) | 0.32  (-0.47, 1.1) |
| Coast live oak intercept | -1.22  (-2.09, -0.29) | -1.39  (-2.35, -0.42) | -1.19  (-2.05, -0.24) |
| Shreve oak intercept | -1.65  (-2.58, -0.53) | -1.87  (-2.93, -0.77) | -1.65  (-2.62, -0.57) |
| Bay laurel intercept | 0.85  (-0.01, 1.72) | 0.6  (-0.32, 1.38) | 0.88  (-0.02, 1.76) |
| 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 | -0.49  (-1.66, 0.56) | -0.73  (-1.75, 0.27) | -0.38  (-1.54, 0.68) |
| Coast live oak-specific richness | 0.04  (-1.22, 1.25) | -0.02  (-1.09, 1.1) | 0.16  (-1.04, 1.51) |
| Shreve oak-specific richness | 0.59  (-0.8, 1.92) | 0.63  (-0.67, 1.95) | 0.72  (-0.7, 2.03) |
| Bay laurel-specific richness | 1.16  (-0.02, 2.42) | 1.2  (0.14, 2.34) | 1.26  (0.11, 2.56) |
| Bay laurel basal area | – | 1.72  (1.14, 2.34) | – |
| Tanoak basal area | – | -0.15  (-0.72, 0.47) | – |
| Community competency | – | – | 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. | | | |