## **Description of Additional Supplementary Files**

File Name: Supplementary Data 1

**Description:** Information for sites shown in Figure 1 of the main text listed by ecoRegion. Data type indicates crop counts (CC) or seed traps (ST). The PI(s) column lists coauthors of this study.

File Name: Supplementary Data 2

**Description:** Sample sizes by species in inventory data and MASTIF network, listed by family. Variables are defined in Table 1 of the main text. Sample-sizes are I trees: trees on inventory plots; M trees: number of trees on MASTIF plots; M plots: number of MASTIF plots; M tree-yr: number of MASTIF treeyears. Symbols highlight species-predictor combinations having zero below or above the 95% credible interval ('++' and '---', respectively) or the \$68\%\$ credible interval ('+' and '--',

