Do early phenological events constrain later phenology?

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Goal

We aim to test the extent to which previous phenological stages constrain later ones. We plan to submit this paper as a "brief communication" at American Journal of Botany or a "rapid report" at New Phytologist.

Hypotheses

Hypothesis 1: Previous phenological events constrain later events; e.g., late-fruiting species et fruit late in the season because they leaf-out late(Figure 1).

Hypothesis 2: Inter-phenophase time constrains phenology; e.g., late-fruiting species set fruit late in the season because they require longer development time (Figure 1).

Main Messages

Main messages for Sally's thesis paper

- 1. Earlier phenological stages constrain later phenology, in some cases.
- 2. Inter-phenophase time constrains later phenology, in some cases.

Figures

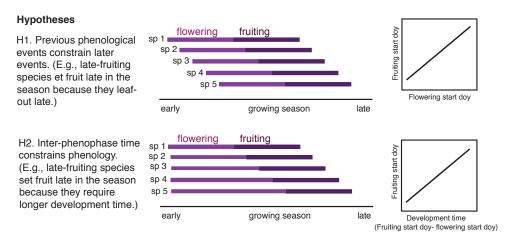


Figure 1: Hypotheses.

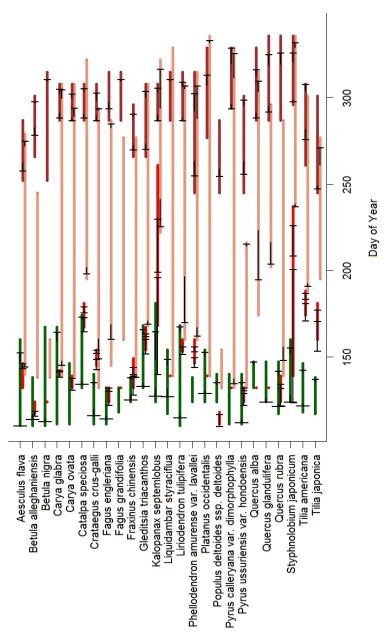


Figure 2: Earlier phenological stages constrain later stages in some cases

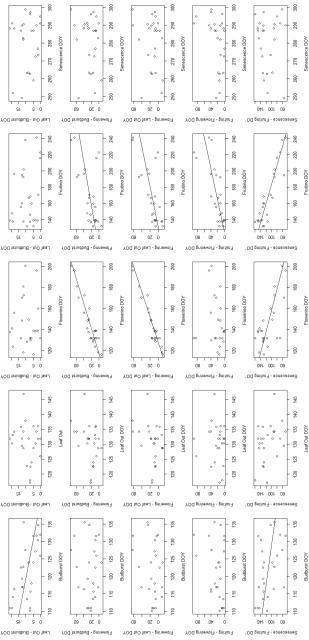


Figure 3: Earlier phenological stages constrain later stages in some cases ${\cal C}$