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Supplementary Material

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Inflorescence development in tomato : gene functions within a zigzag model

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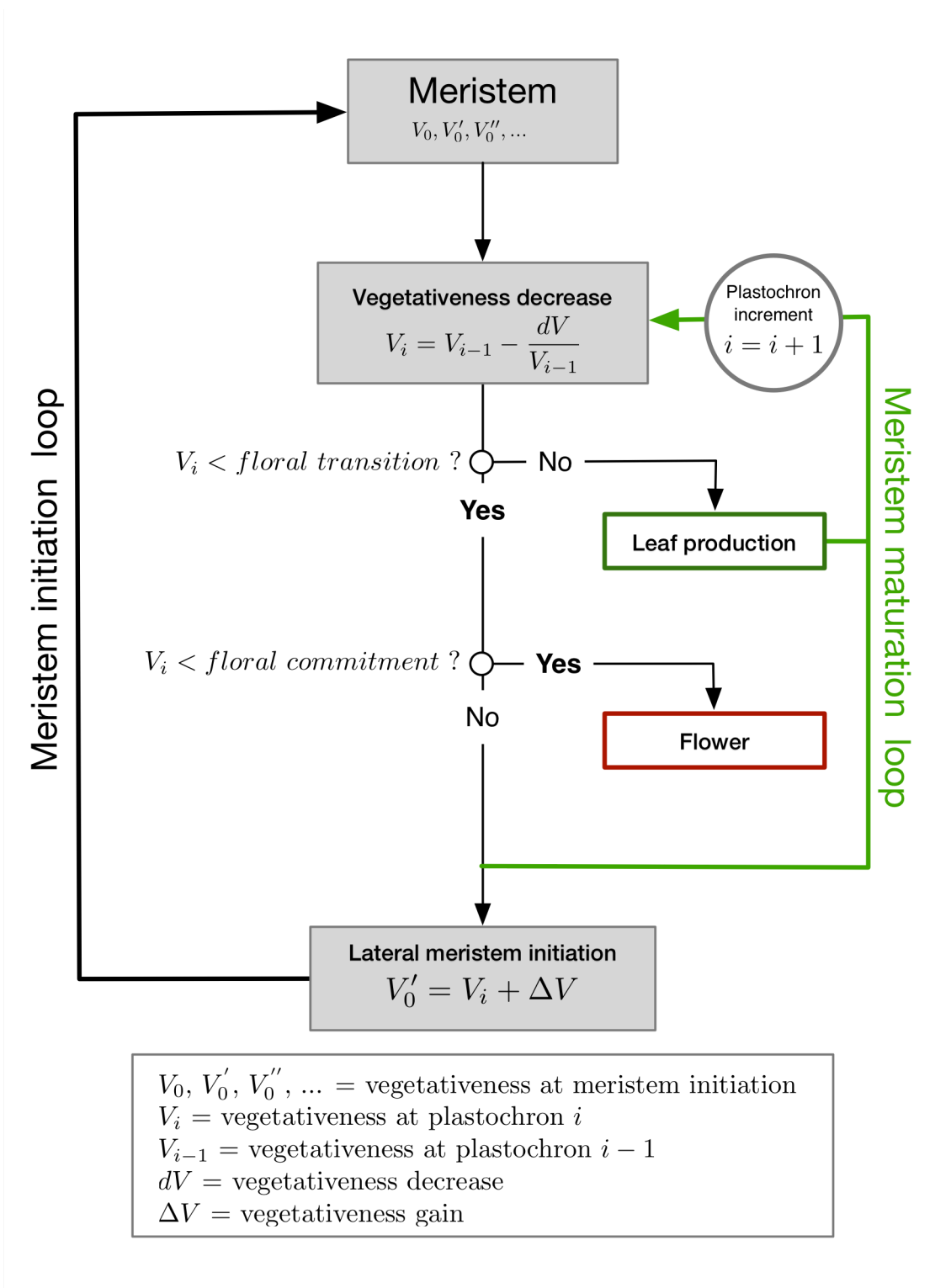
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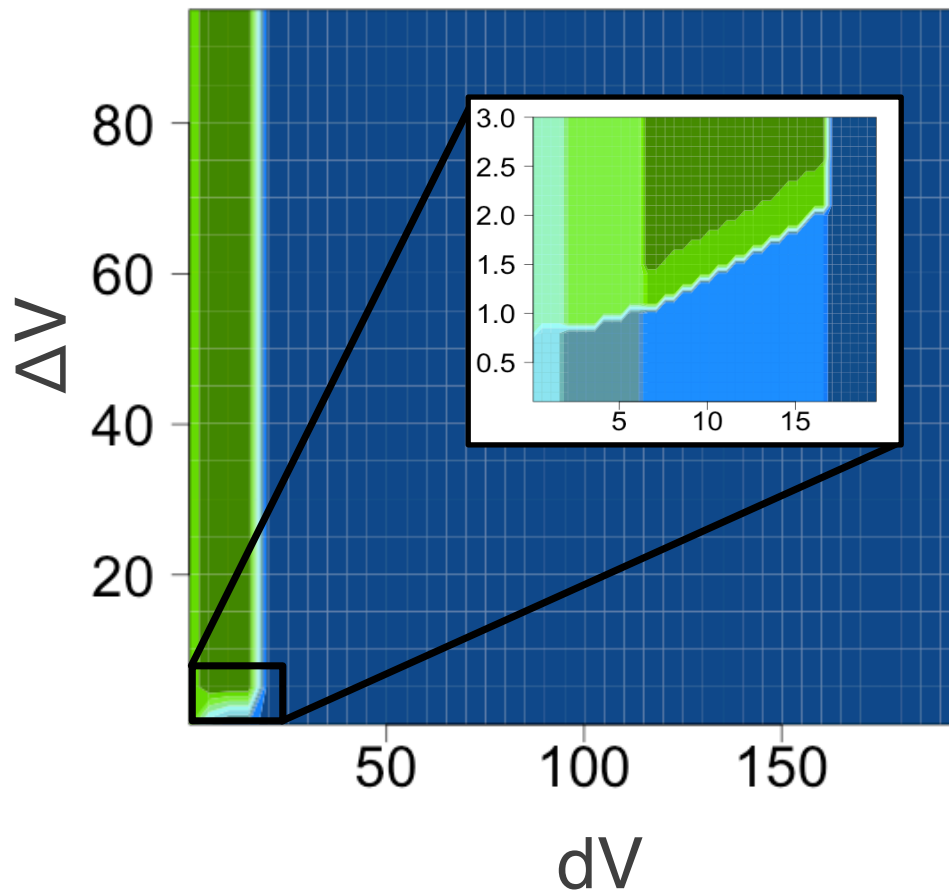
13 1. Supplementary Figures



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15 **Supplementary Figure 1. Schematic representation of the ‘zigzag’ model.**

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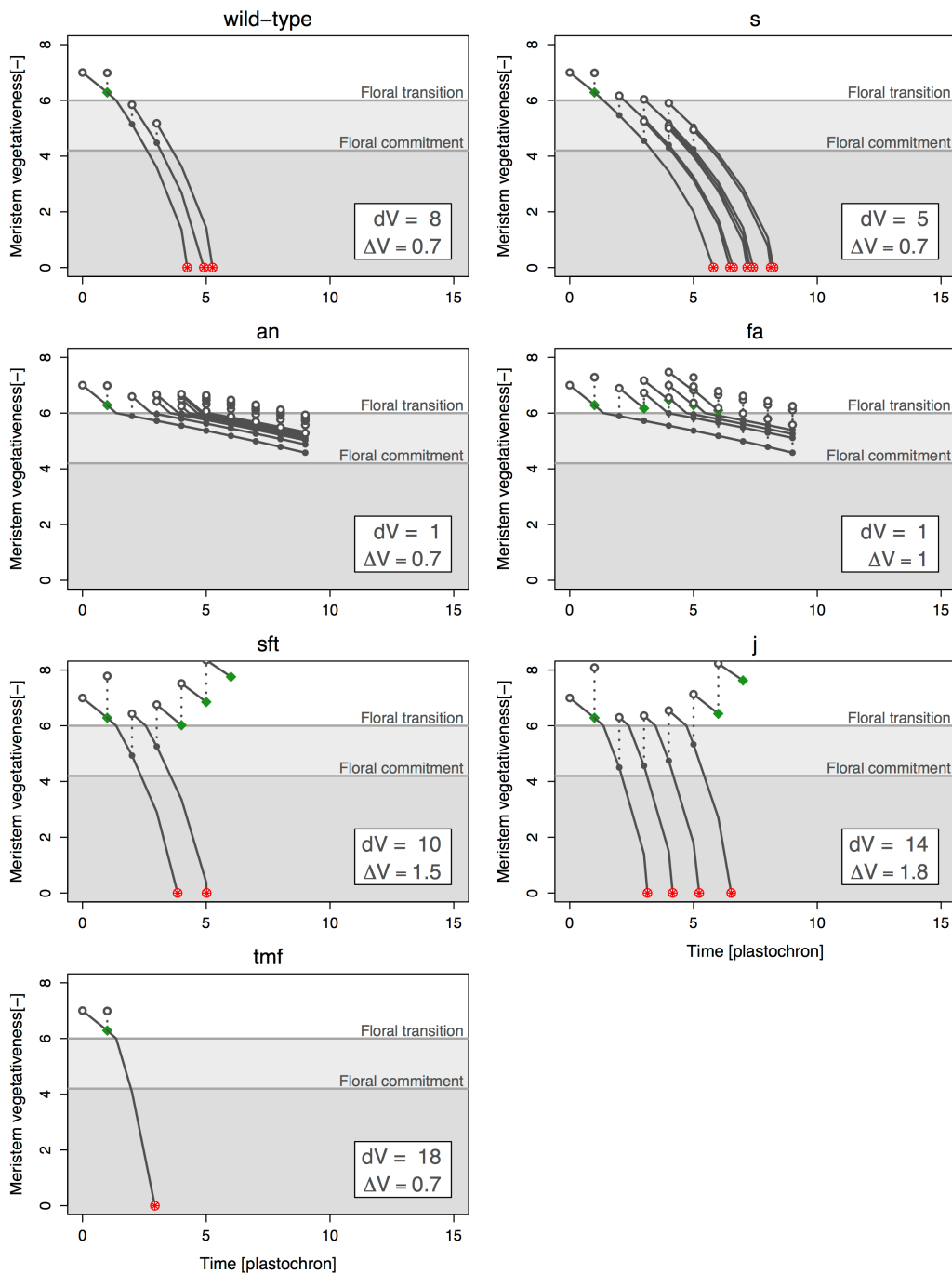
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18 **Supplementary Figure 2: Morphospace generated with a wide range of dV and ΔV values.** The
19 insert shows the domain used for mapping known mutants.

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24 **Supplementary Figure 3. Simulation output for the different single mutants.** Parameters25 (dV and ΔV) were chosen according to figure 5. Each meristem is represented by one plot.

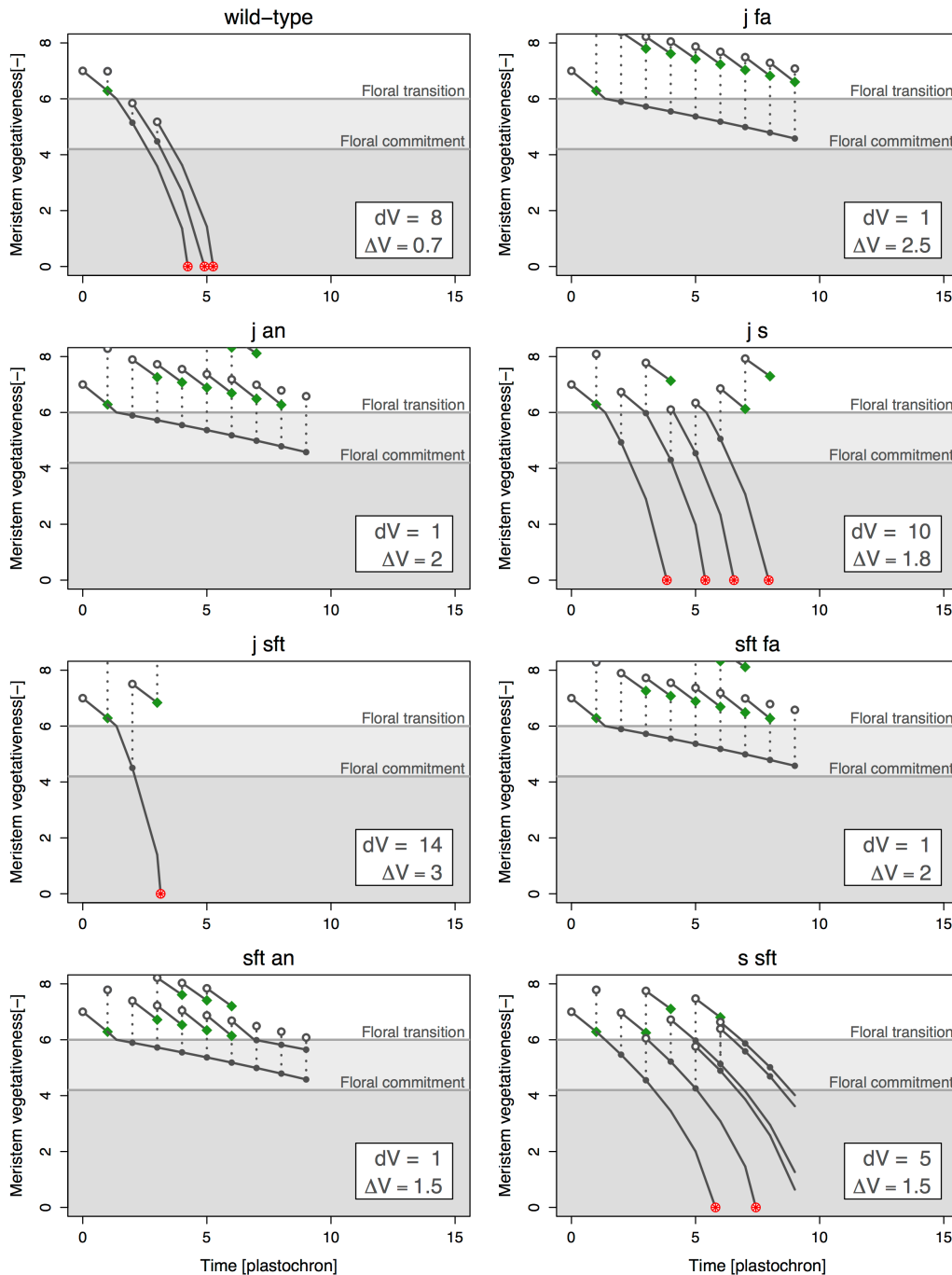
26 Initiation of axillary meristems is represented by an open circle, which is connected by a dotted

27 line (ΔV) to closed circles on parent meristem lines. Green diamonds represent leaves. For the

28 sake of clarity, the development of sympodial and other vegetative axes was stopped after one

29 plastochron. Red wheels represent flowers.

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31
 32 **Supplementary Figure 4. Simulation output for the different double mutants.** Parameters
 33 (dV and ΔV) were chosen according to Figure 6. Each meristem is represented by one plot.
 34 Initiation of axillary meristems is represented by an open circle, which is connected by a dotted
 35 line (ΔV) to closed circles on parent meristem lines. Green diamonds represent leaves. For the
 36 sake of clarity, the development of sympodial and other vegetative axes was stopped after one
 37 plastochron. Red wheels represent flowers.