

Supplementary Material

- direct (first order) connections
- indirect (second order) connections
- third order connections

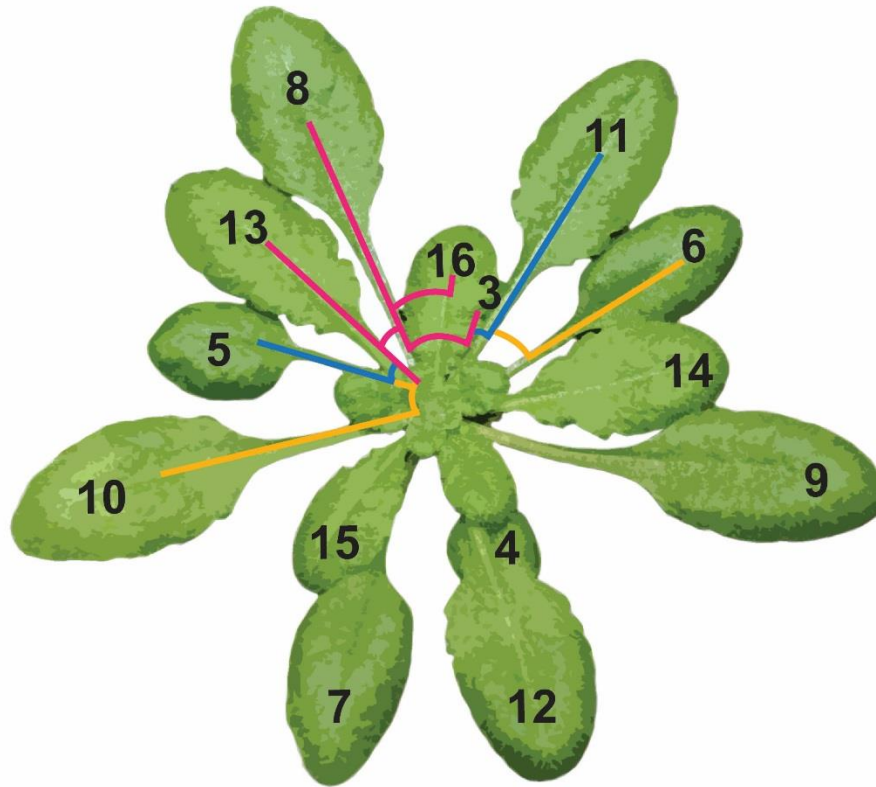


Figure S1. Vascular connections of leaf 8 in a 5-week-old *Arabidopsis thaliana*. Shown are the vascular connections of leaf 8 that was used as local leaf for all treatments. Red lines indicate first order connections (8 ± 5 and $8+8$). Those leaves share a direct connection to leaf 8. Blue lines indicate second order connections (8 ± 3). Leaves are indirectly connected to leaf 8. Yellow lines indicate possible third order connections to leaf 8 via indirectly or directly connected leaves of leaf 8.