



Ana Carolina Sá

Natural variation in source-sink interaction in *Arabidopsis thaliana*

Andreas Fischbach, Alina Bazarova, Dagmar van Dusschoten, Johannes Kochs, Stefan Kesselheim, Benjamin Stich and Shizue Matsubara

background

Carbon sink:
flowers, fruits
and seeds

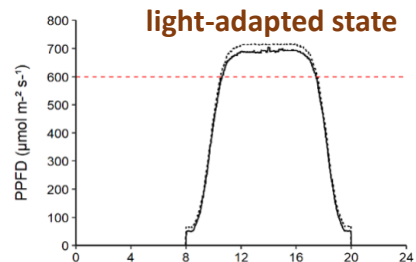
Plant growth and photosynthesis
influence each other.

Carbon source:
mature leaves



Although extensive works have been done to understand how photosynthesis affects plant growth, **the effects of sink activity on photosynthesis remain not well-understood.**

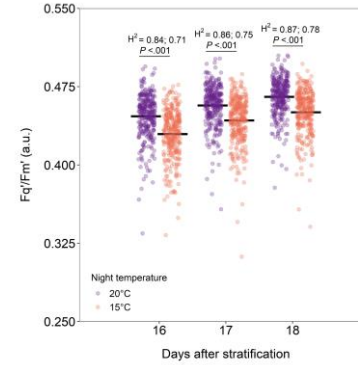
Adapted from "Tomato (plant)" by BioRender.com



293 *Arabidopsis thaliana* accessions
Day: **26°C**
Night: **15°C or 20°C**

approach

Genome-wide association



Genomic prediction

