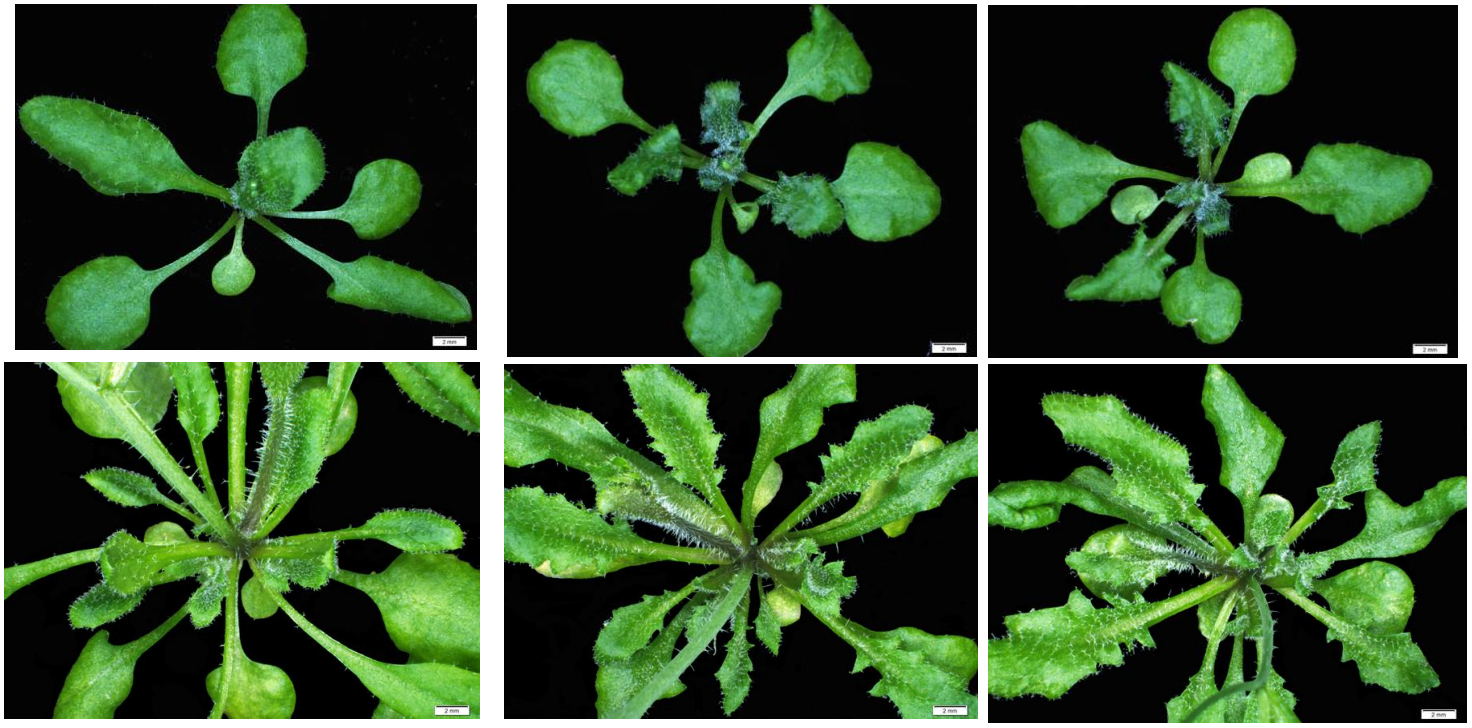


Knat6-1 Control

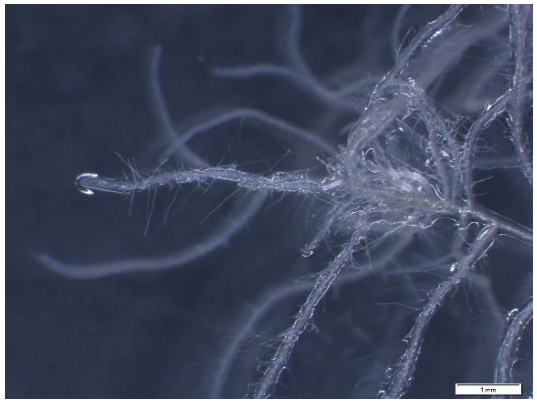
35S::KNAT6-BLRP x Knat6-1 individual lines

Col Control

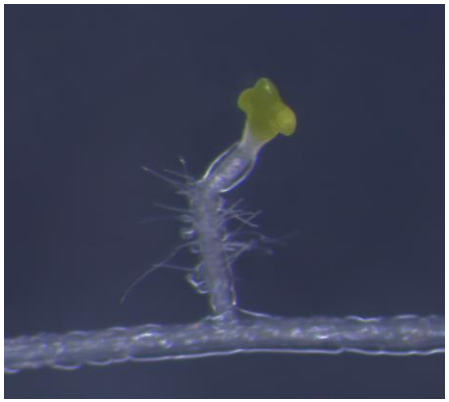
35S::MYC-CNA

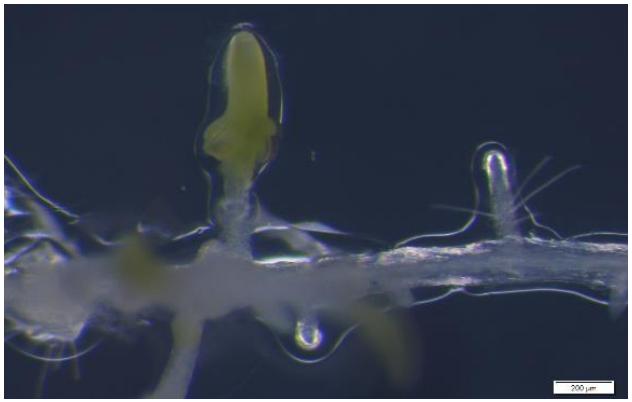
35S::MYC-CNA

Figure 1. T2 transgenic line expressing the KNAT6 transcription factor fused to the BLRP Tag [first two panels and the CORONA transcription factor fused to the MYC tag [lower panel]. Both show phenotype conferring the TF activity.
We are using those plants for ChIP analysis to identify the TF direct target gene



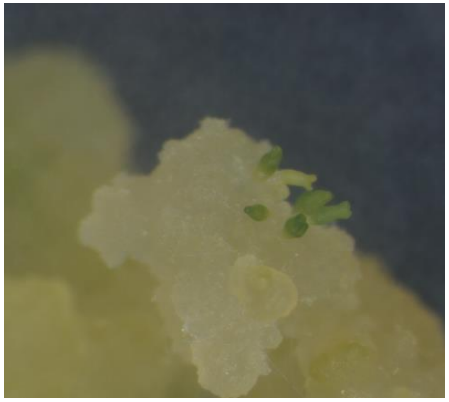
Root transferred to media with auxin with and no DEX

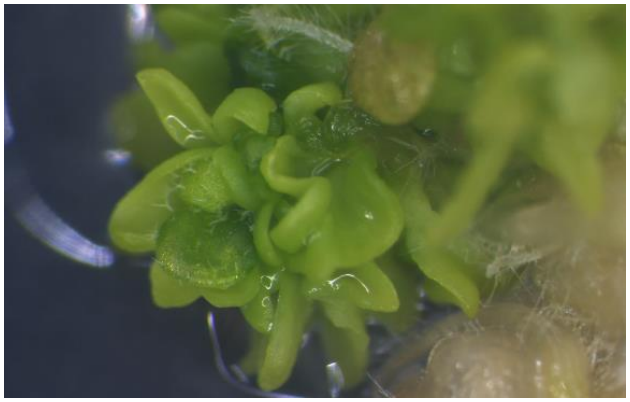




Root transferred to media with auxin with and 10uM DEX

Callus transferred to media with no hormones and no DEX





Callus transferred to media with no hormones and 10uM DEX

Figure 2: 35SWUS-GR plants on different media upon activation by DEX. Activation of WUS can lead to somatic embryo generation on root or de novo shoot apical meristem in callus

col

clv3-2

Jba 1D-/+

Jba 1D-/+ x er-20

Jba 1D-/+ x *er-20* x *clv3-2*

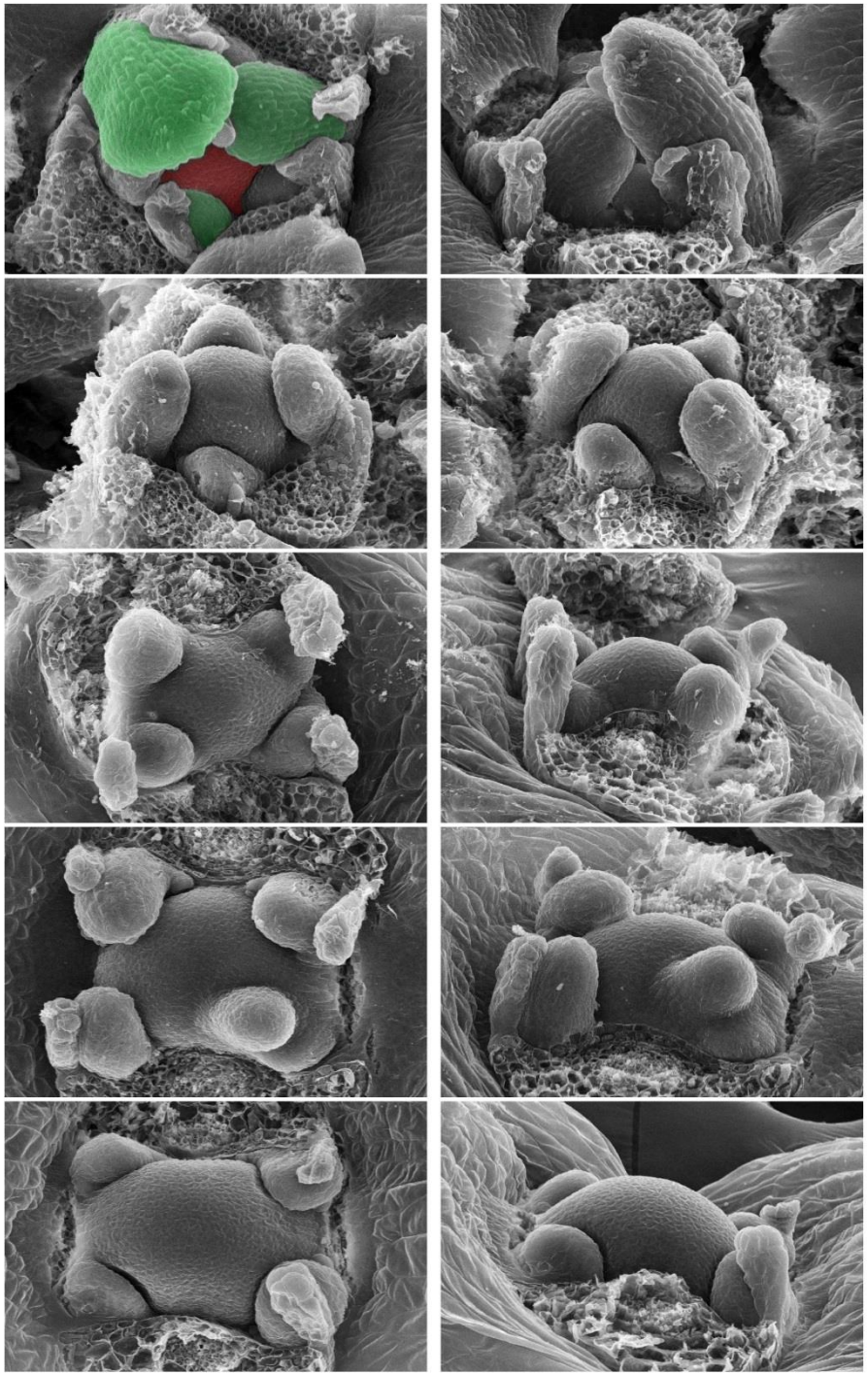


Figure 3 A: Five genotypes exhibiting increasing shoot apical meristem size

Meristem size affect phylotaxis

wus-1

col

Jba/+

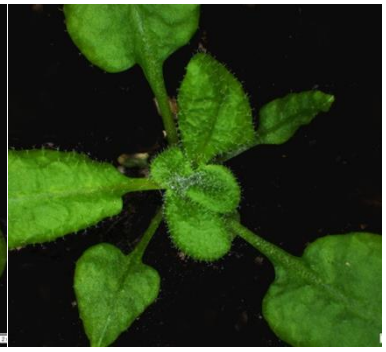
Col x *clv3*

Jba 1D-/+ x er-20

Jba 1D-/+ x *er-20* x *clv3-2*

col

Col x *clv3*



Jba/+

Jba 1D-/+ x er-20

Jba 1D-/+ x *er-20* x *clv3-2*

Figure 3B: Five genotypes exhibiting increasing shoot apical meristem size show alternation in phyllotaxis

J0121 line [UAS::GFP]

J0121 X UAS::WUS

Figure 4: Expression of WUS in a cell specific manner leads to ectopic shoot apical meriste formation