TURNING **MERISTEMS** INTO FORTRESSES

Périlleux C., Bouché F., Randoux M., and Orman-Ligeza B. | Trends in Plant Science, doi: 10.1016/j.tplants.2019.02.004

FLOWERING TIME

HIGH TFL1

FD
TFL1
FT
FT
FT

LATE FLOWERING

LOW TFL1

FD
FT
FT
FT

EARLY FLOWERING

INFLORESCENCE ARCHITECTURE

INDETERMINATE

FM IM FM

LFY AP1 ⊣ TFL1 ⊣ LFY AP1

DETERMINATE

FM FM FM

LFY AP1 LFY AP1 LFY AP1

LIFE CYCLES

POLYCARPIC

YEAR 1

HIGH TFL1

Axillary meristem

YEAR 2

MONOCARPIC

YEAR 1

LOW TFL1

Axillary meristem

ROOT GROWTH ?

SHOOT BRANCHING

ARABIDOPSIS

SAM

TFL1

Flowering

Axillary meristem

TFL1
BRC1

Branching signals

TOMATO

SAM

SYMPODIAL GROWTH

Axillary meristem

TFL1

Branching signals

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