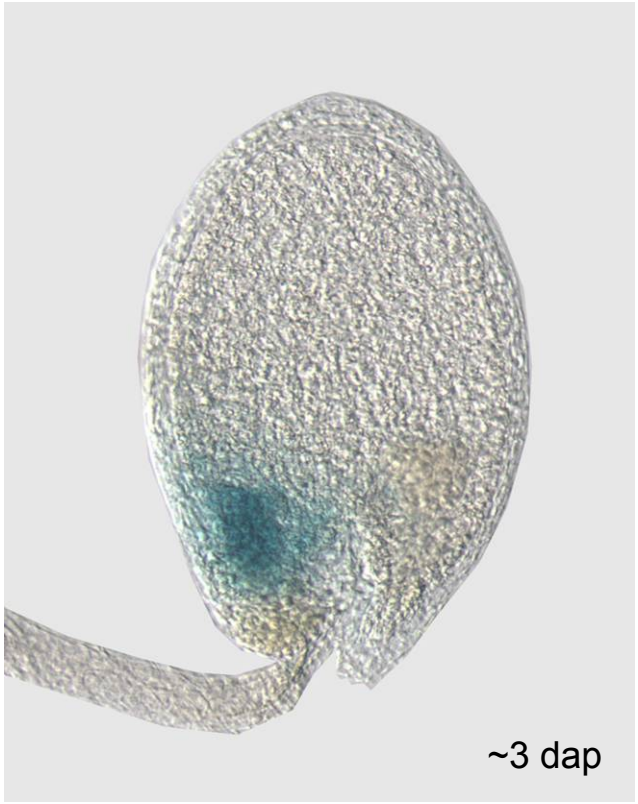
Mα-type genes

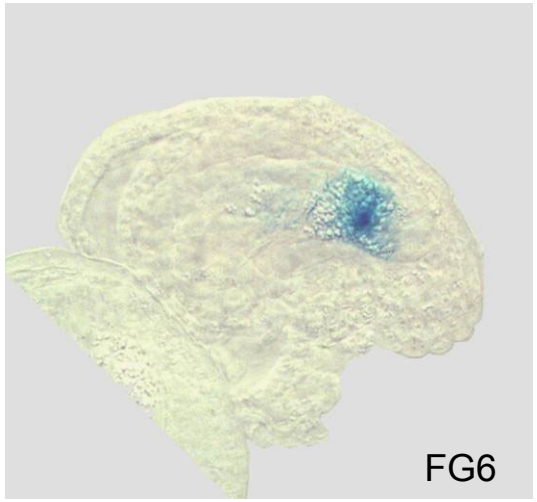
AGL91

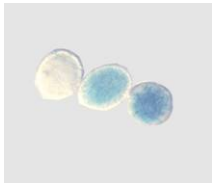
#Lines analyzed	23
# Expressors	21



AGL29

#Lines analyzed	6
# Expressors	4



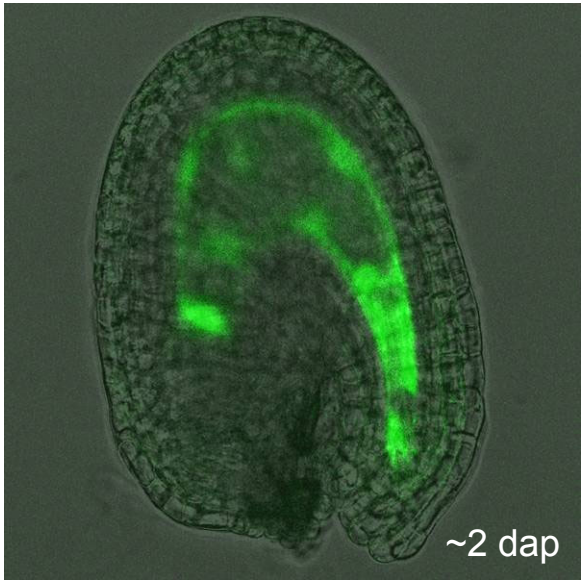


GUS pictures:

pAGL29::AGL29-GFP-GUS

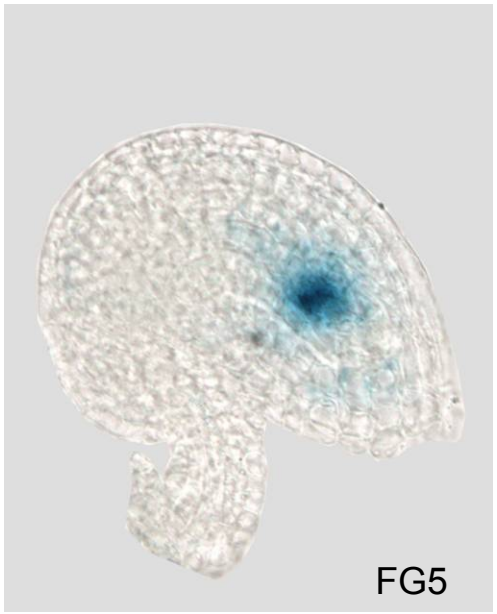
GFP pictures:

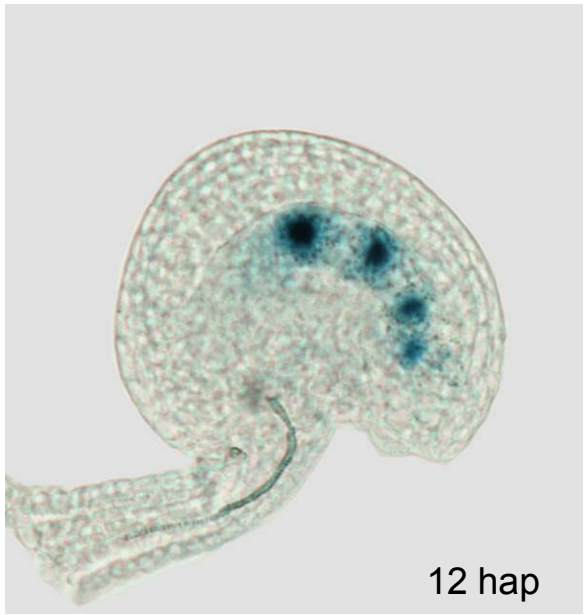
pAGL29::GFP-GUS

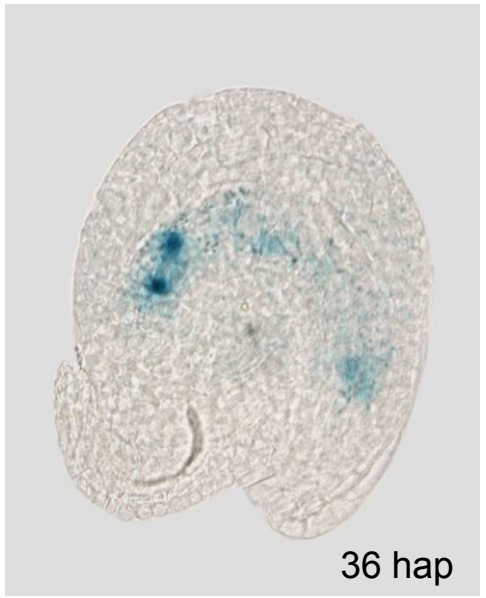


AGL23

#Lines analyzed	21
# Expressors	15

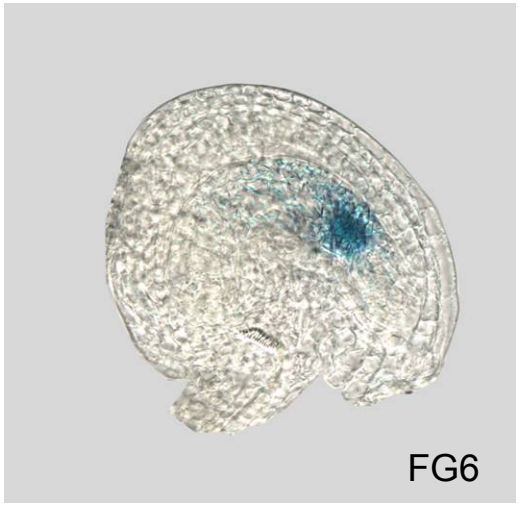






AGL28 (1)

#Lines analyzed	17
# Expressors	13



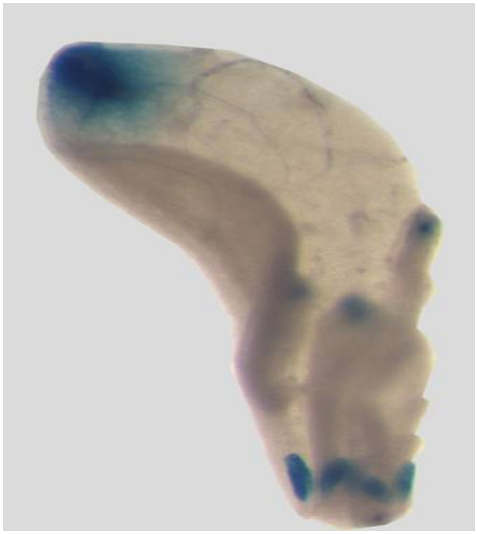
AGL28 (2)

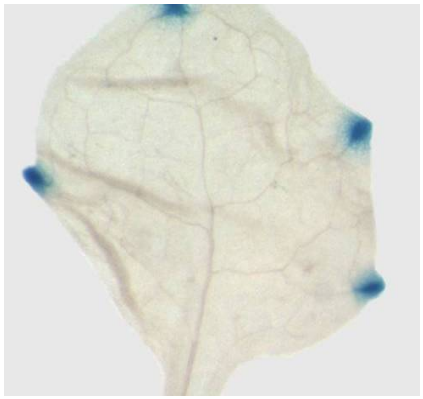
#Lines analyzed	17
# Expressors	13

Mature embryo

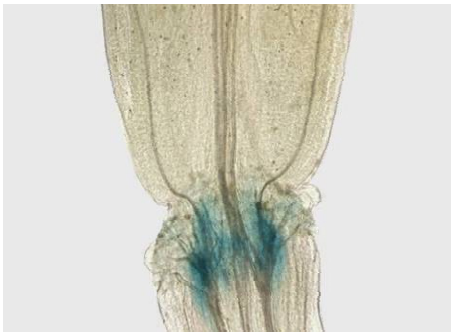
~3 week old seedling, root base

~3 week old seedling, leaves





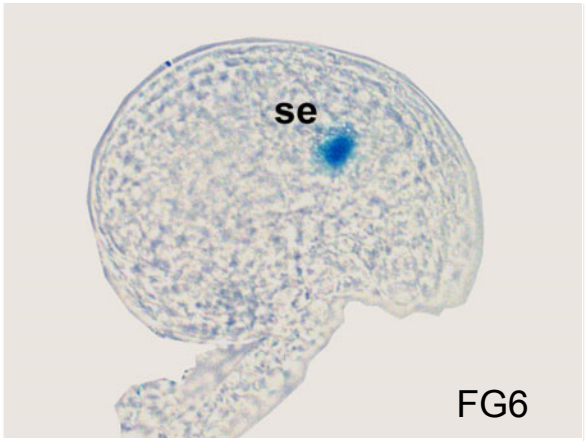
receptacle

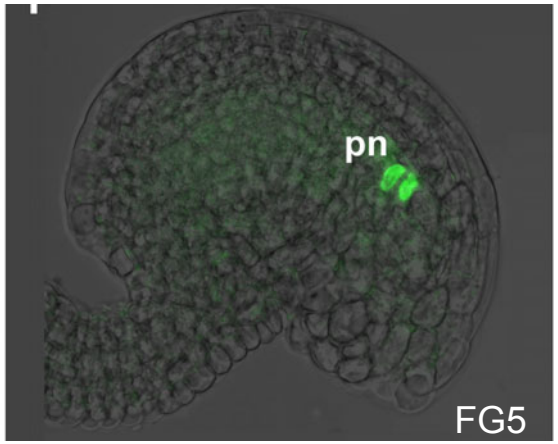


DIANA

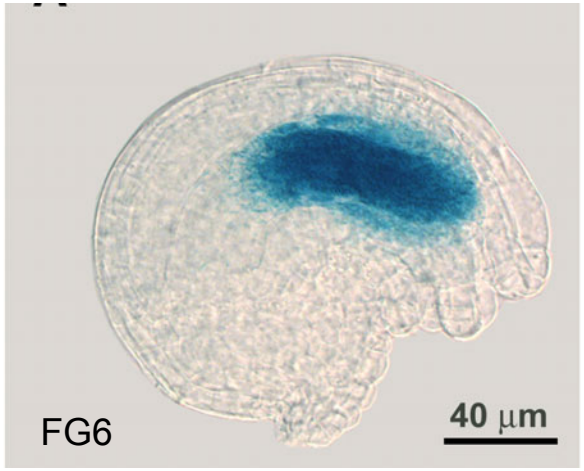
#Lines analyzed	52
# Expressors	46

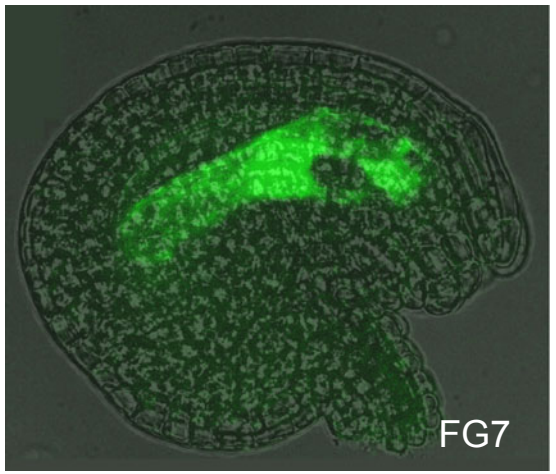
pAGL61:: AGL61-GFP-GUS





pAGL61:: GFP-GUS



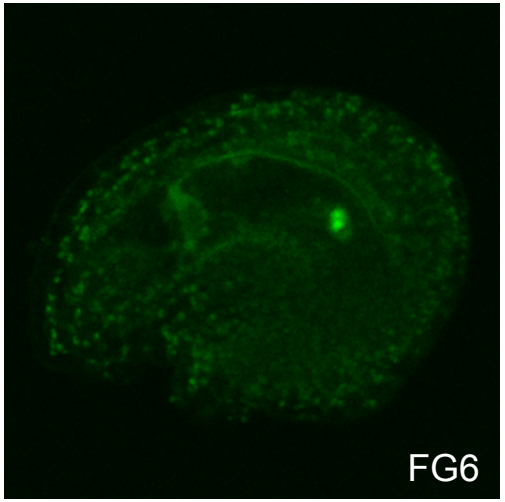


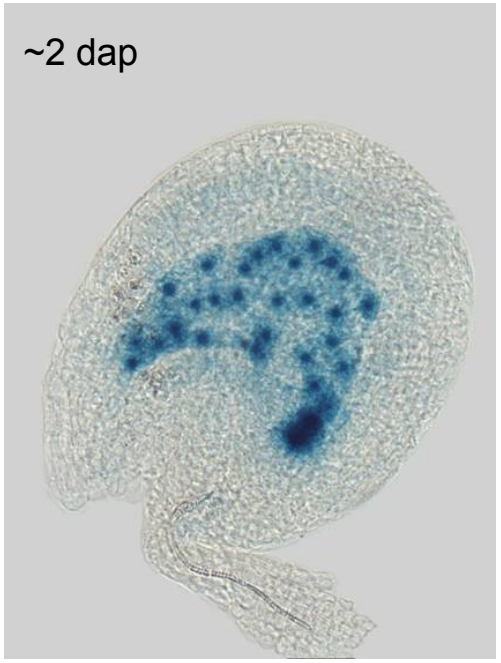
Filament of anther upon anthesis

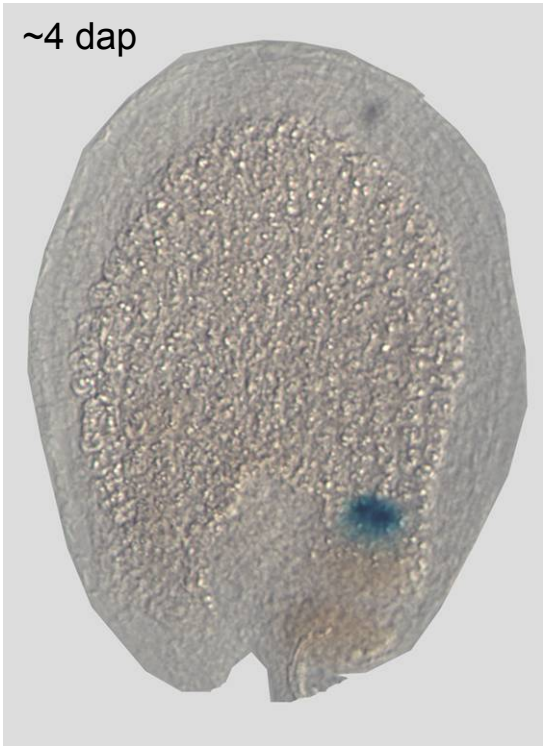
Bemer M, Wolters-Arts M, Grossniklaus U, Angenent GC (2008) The MADS domain protein DIANA acts together with AGAMOUS-LIKE80 to specify the central cell in Arabidopsis ovules. Plant Cell **20:** 2088-2101

AGL62

#Lines analyzed	21
# Expressors	16

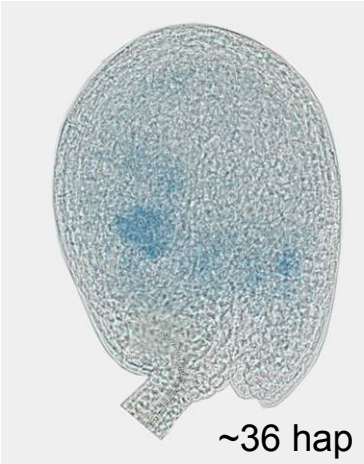


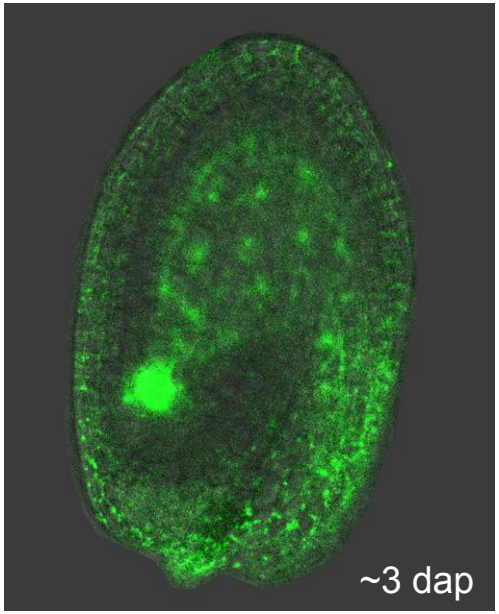


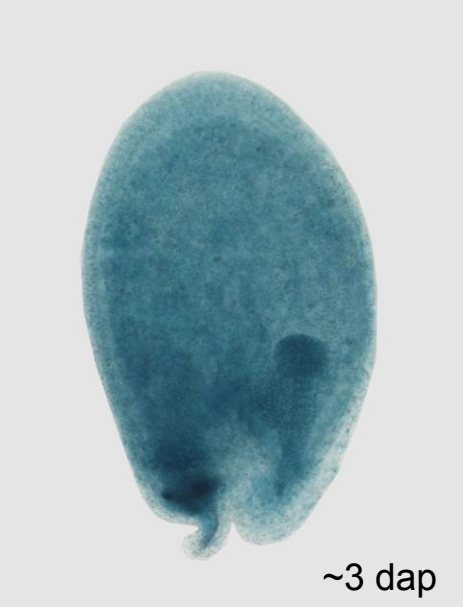


AGL40

#Lines analyzed	26
# Expressors	20





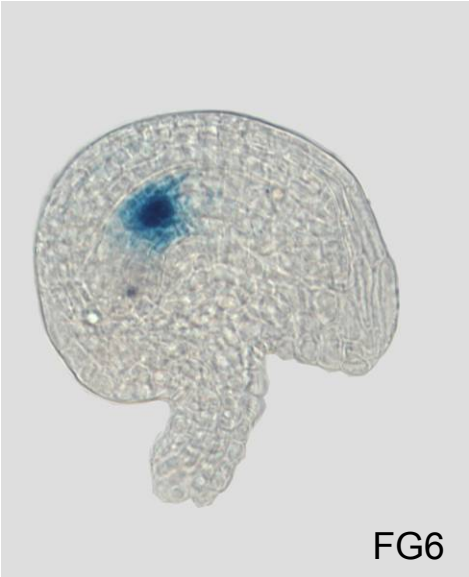


AGL102

#Lines analyzed	6
# Expressors	4

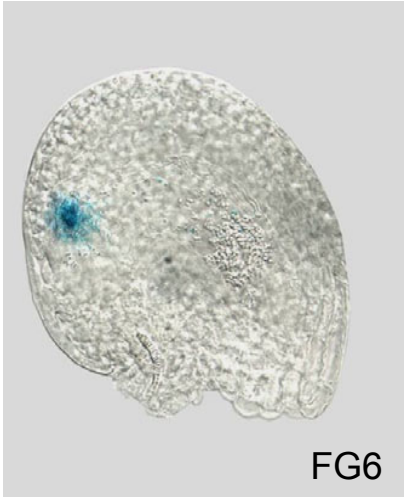
AGL57

#Lines analyzed	24
# Expressors	15



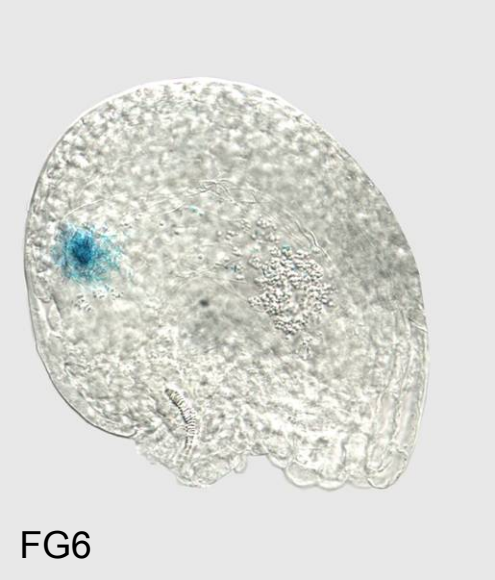
AGL59

#Lines analyzed	3
# Expressors	2



AGL58

#Lines analyzed	16
# Expressors	5



AGL64

#Lines analyzed	15
# Expressors	8

AGL85

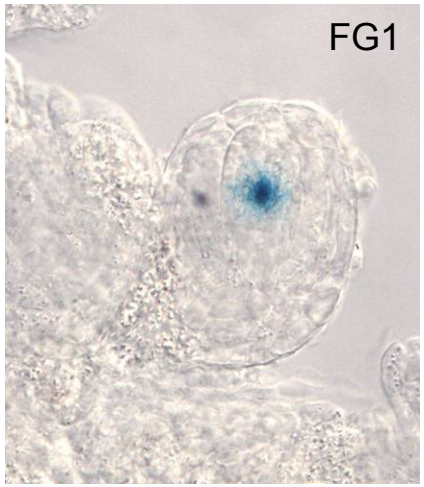
#Lines analyzed	9
# Expressors	0

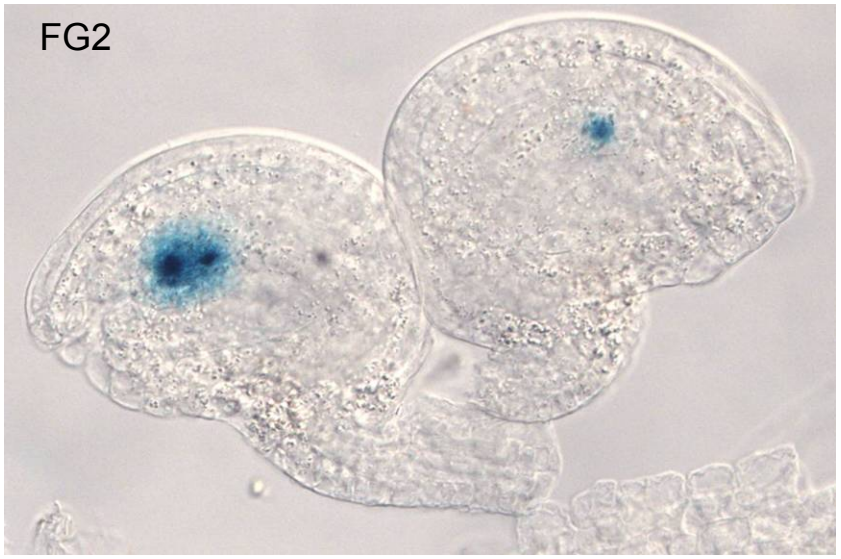
AGL60

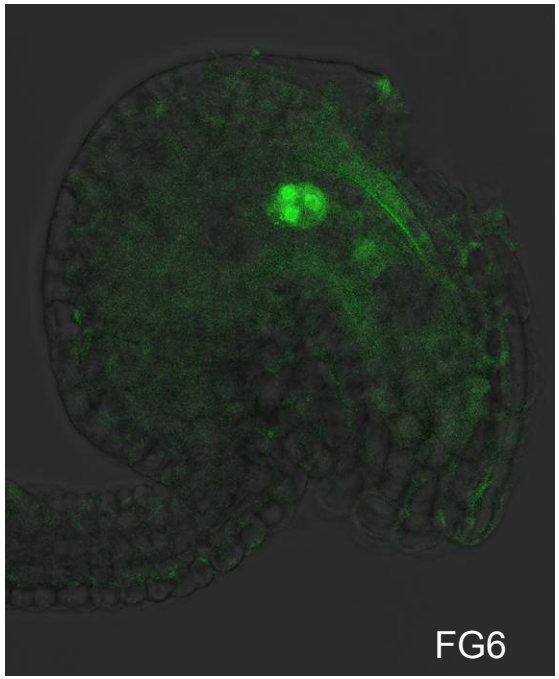
#Lines analyzed	23
# Expressors	0

AGL100

#Lines analyzed	25
# Expressors	18







AGL39

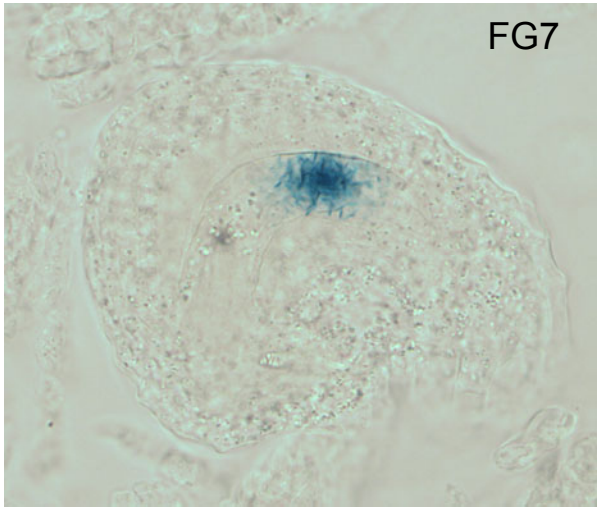
#Lines analyzed	8
# Expressors	0

AGL74

#Lines analyzed	9
# Expressors	0

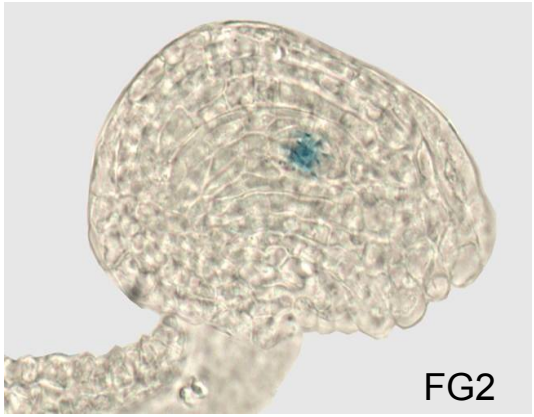
AGL55

#Lines analyzed	9
# Expressors	5



AGL56

#Lines analyzed	25
# Expressors	7

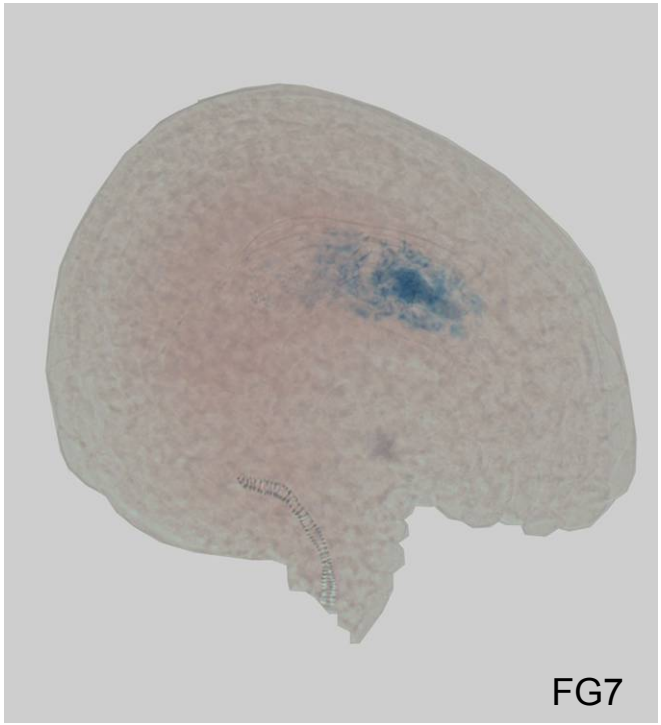


AGL97

#Lines analyzed	6
# Expressors	0

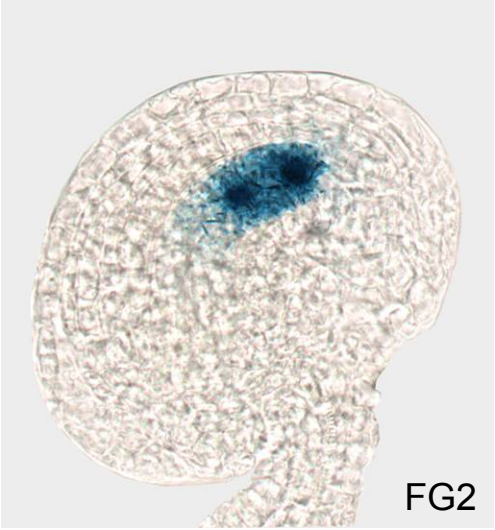
AGL99

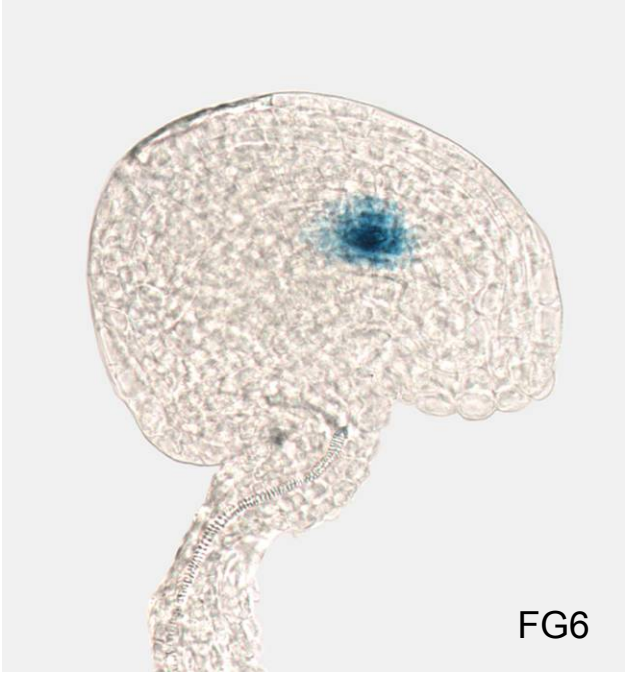
#Lines analyzed	23
# Expressors	3



AGL83

#Lines analyzed	22
# Expressors	4



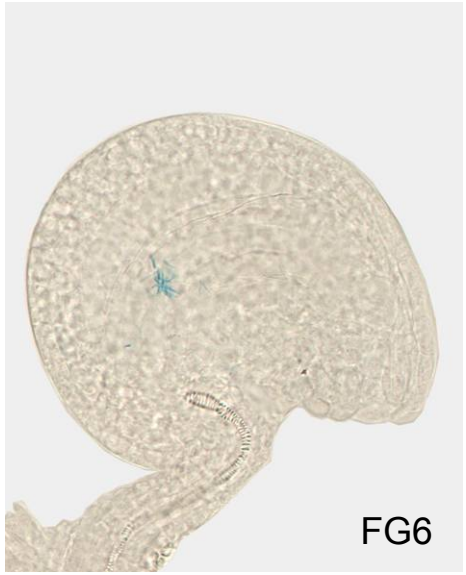


AGL73

#Lines analyzed	13
# Expressors	0

AGL84

#Lines analyzed	21
# Expressors	8



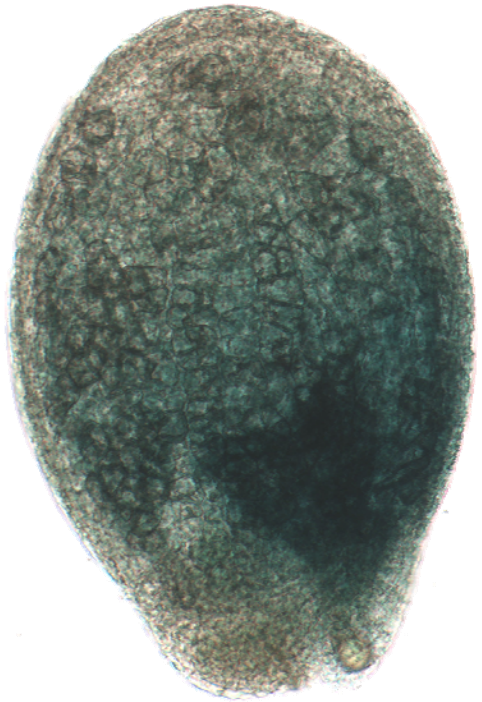
Mγ-type genes

AGL96

#Lines analyzed	17
# Expressors	6

~2 dap

~3 dap



~5 dap

AGL41

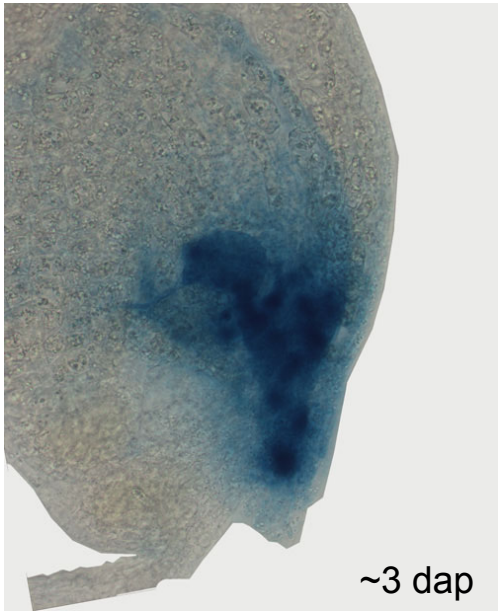
#Lines analyzed	17
# Expressors	0

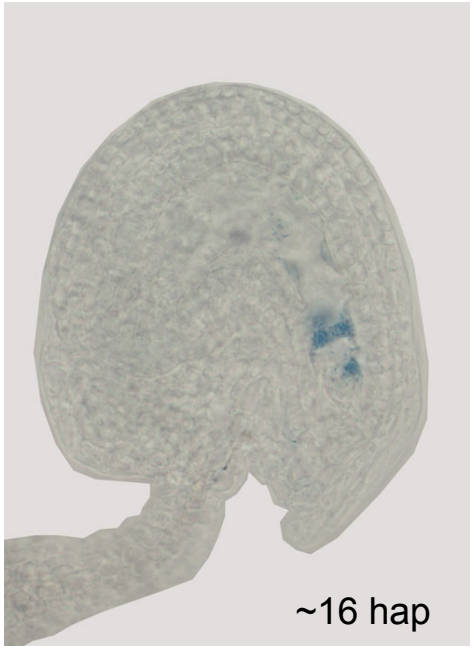
AGL95

#Lines analyzed	17
# Expressors	0

AGL48

#Lines analyzed	17
# Expressors	10





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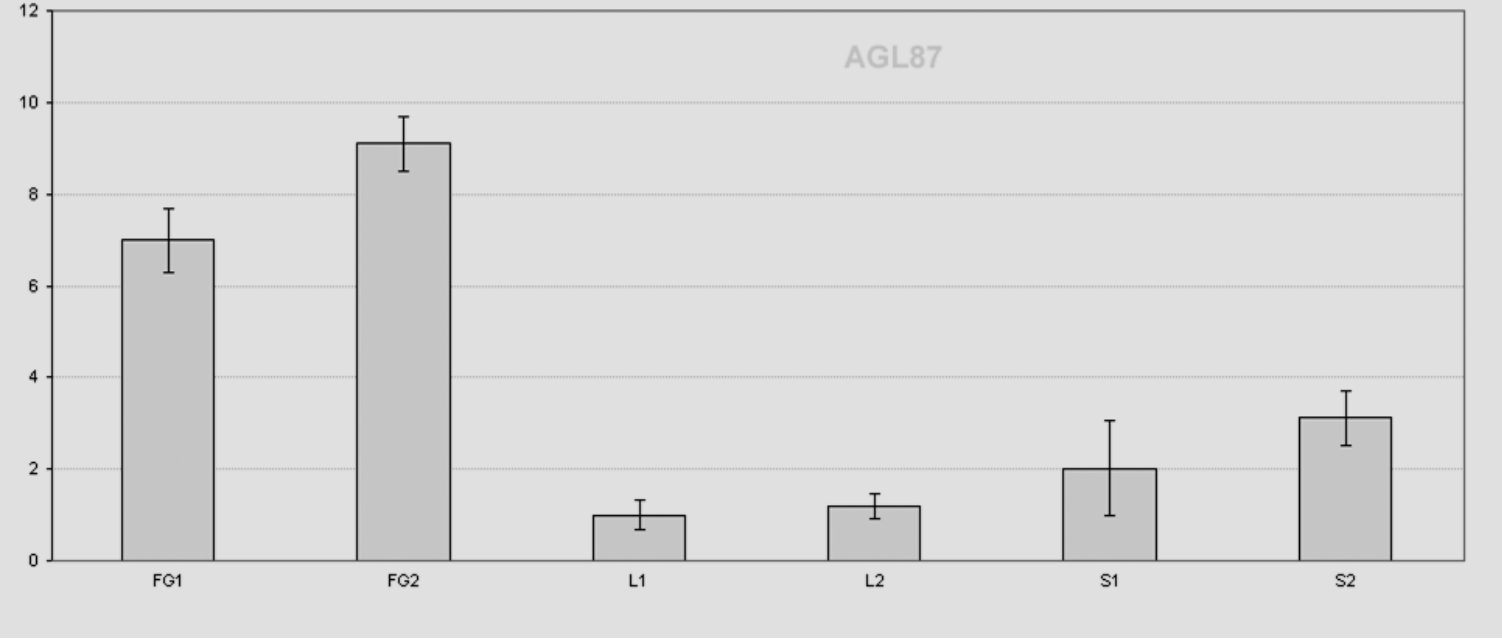
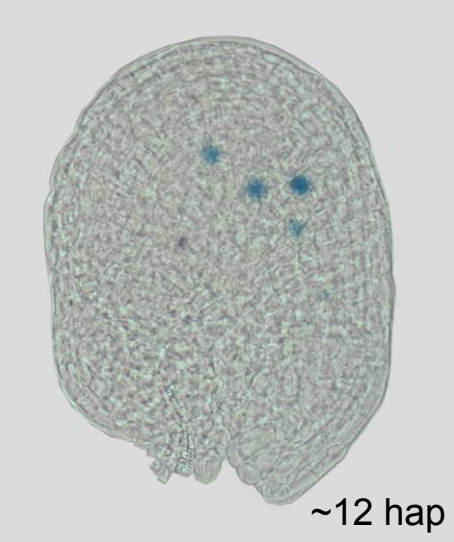
AGL87

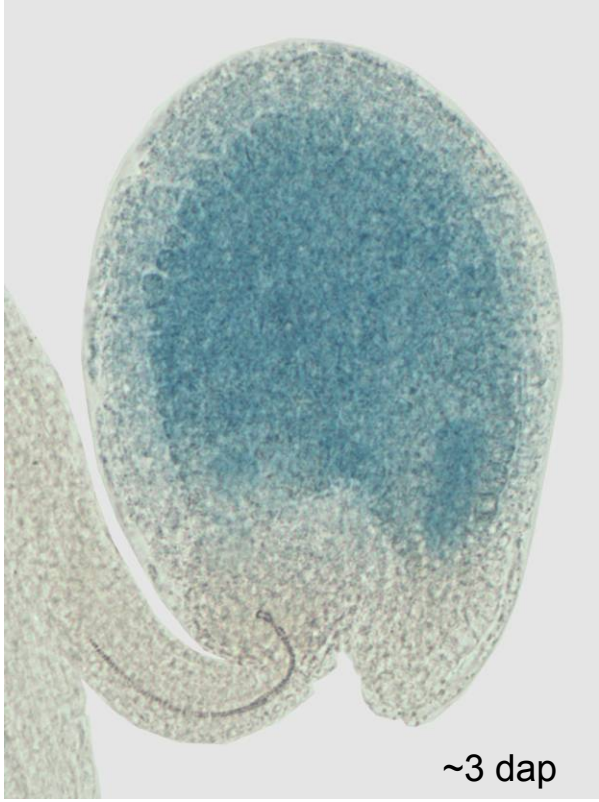
#Lines analyzed	0
# Expressors	0



AGL46

#Lines analyzed	7
# Expressors	4





AGL45

#Lines analyzed	5
# Expressors	3

~2 dap

AGL80

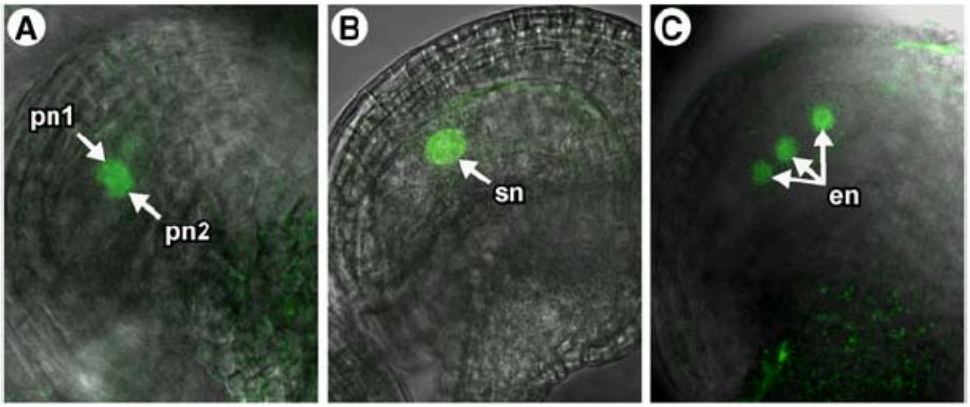


Figure 4. *AGL80-GFP* Expression.

(A) Expression of *AGL80-GFP* in female gametophytes before fusion of the polar nuclei (late stage FG5). Expression is detected only in the two polar nuclei.

(B) Expression of *AGL80-GFP* in female gametophytes at the terminal developmental stage (stage FG7). Expression is detected only in the secondary nucleus.

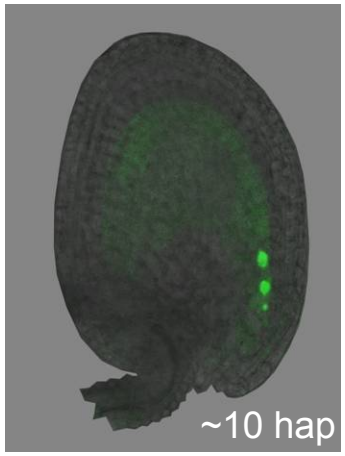
(C) Expression of *AGL80-GFP* in a fertilized female gametophyte at 18 h after pollination. Expression is detected only in the endosperm nuclei. Only three of the four endosperm nuclei can be seen in this focal plane.

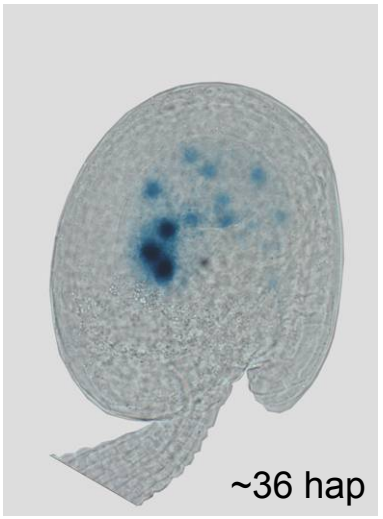
All images are composites of CLSM micrographs of *AGL80-GFP* expression merged with bright-field images of ovules. en, endosperm nuclei; pn1 and pn2, the two polar nuclei before fusion; sn, secondary nucleus of the central cell.

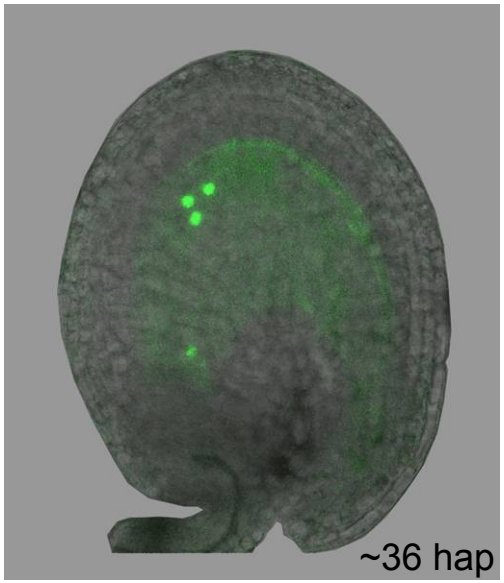
Portereiko, M.F., Lloyd, A., Steffen, J.G., Punwani, J.A., Otsuga, D., and Drews, G.N. (2006). *AGL80* Is Required for Central Cell and Endosperm Development in *Arabidopsis*. The Plant Cell **18,** 1862-1872

AGL35

#Lines analyzed	17
# Expressors	12

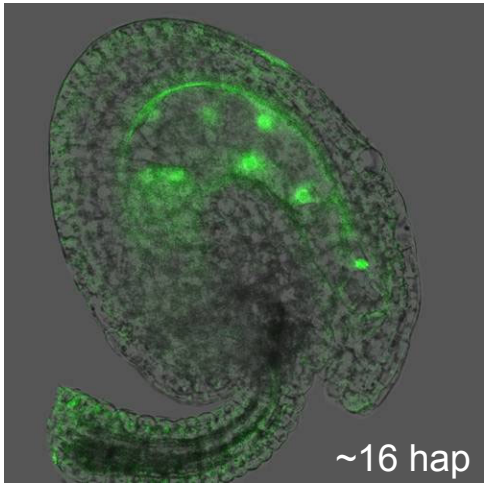


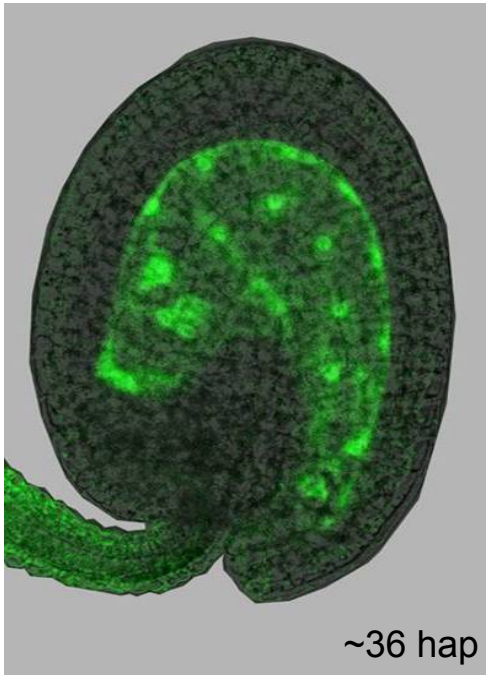




AGL38

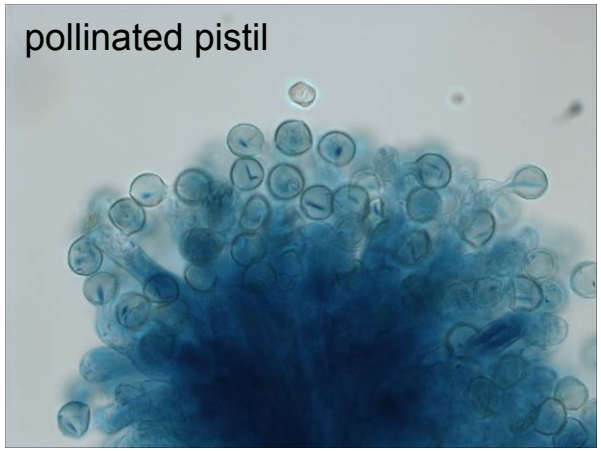
#Lines analyzed	16
# Expressors	12

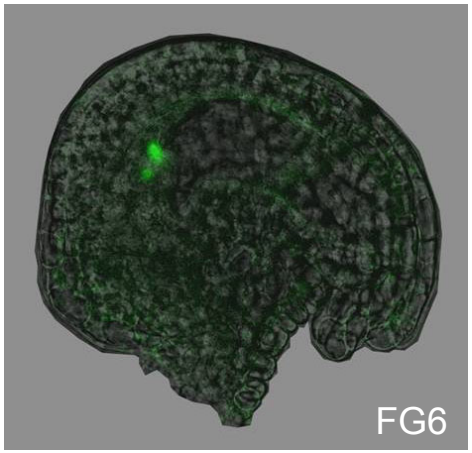


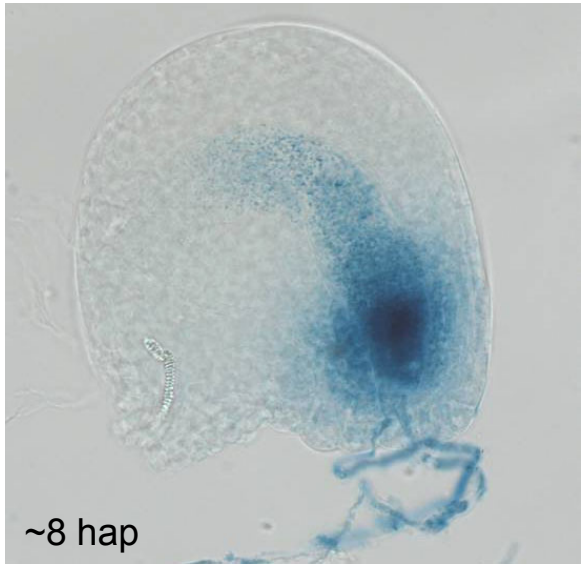


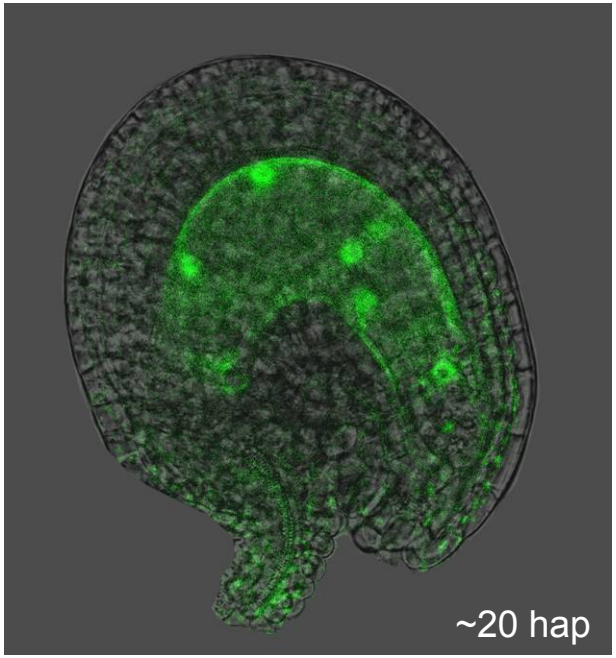
AGL37

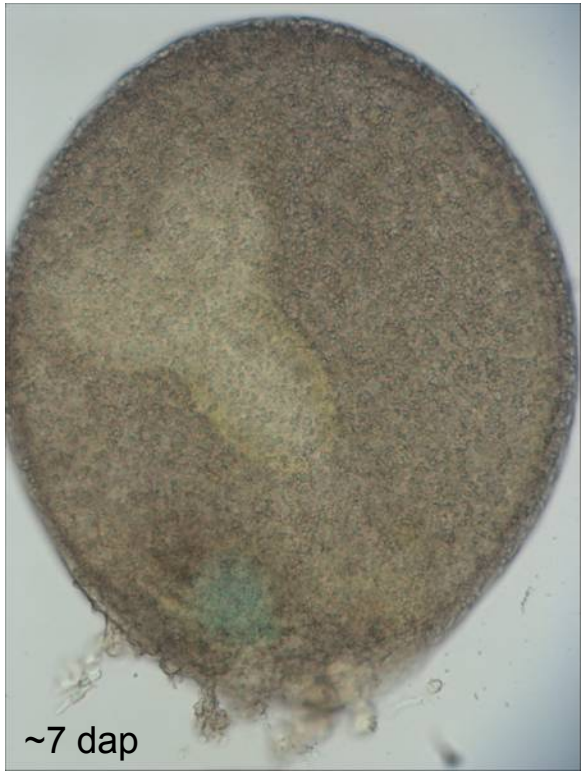
#Lines analyzed	18
# Expressors	13





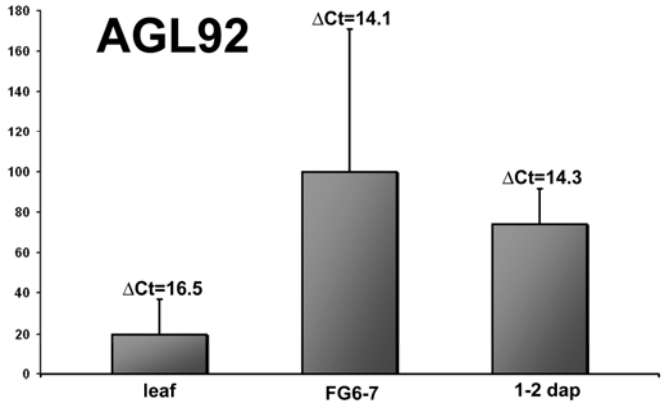






AGL92

#Lines analyzed	17
# Expressors	0



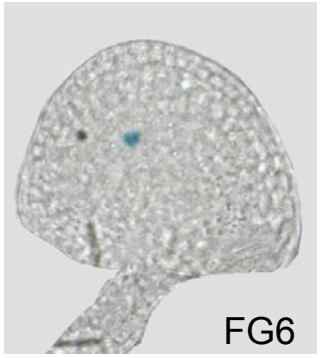
Average of two biological and two technical replicas.

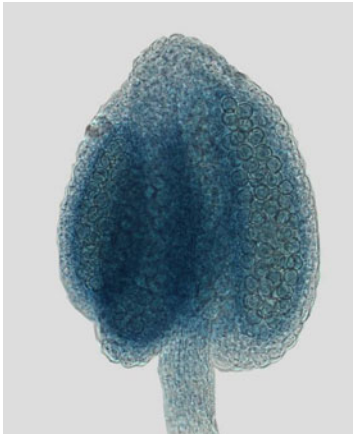
Ct values are very low: hardly expressed

AGL86

#Lines analyzed	24
# Expressors (pollen)	23

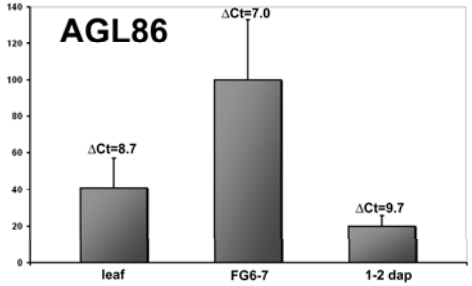
#Lines analyzed pAGL86::GFP-GUS	26
# Expressors (visible in seed)	6

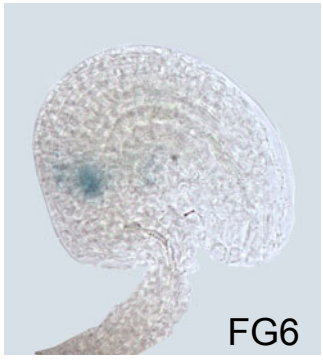




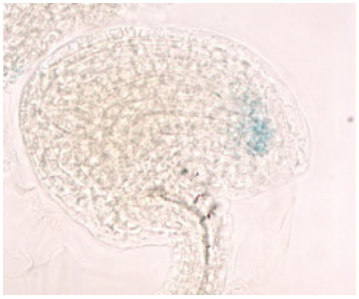
anther

pAGL86::AGL86-GFP-GUS

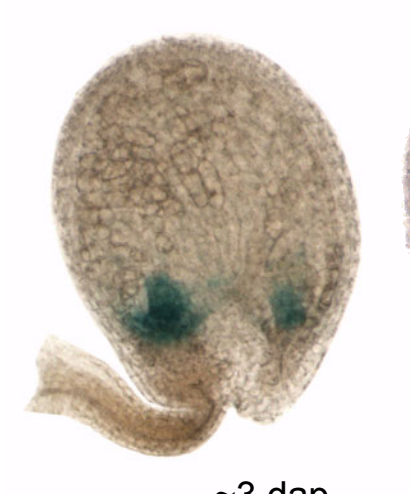




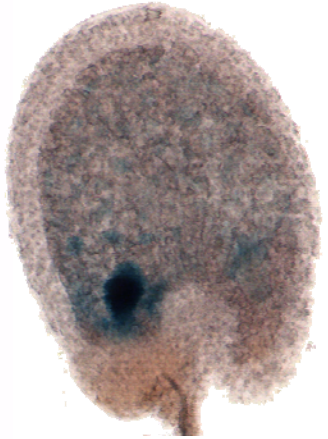
anther



pollinated embryo sac



~3 dap

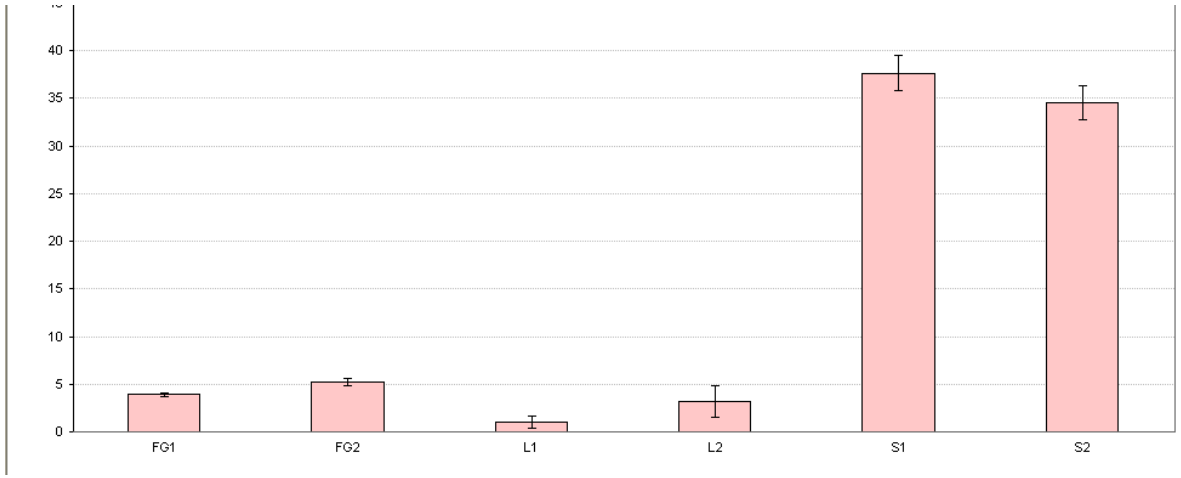


~3 dap

pAGL86::GFP-GUS

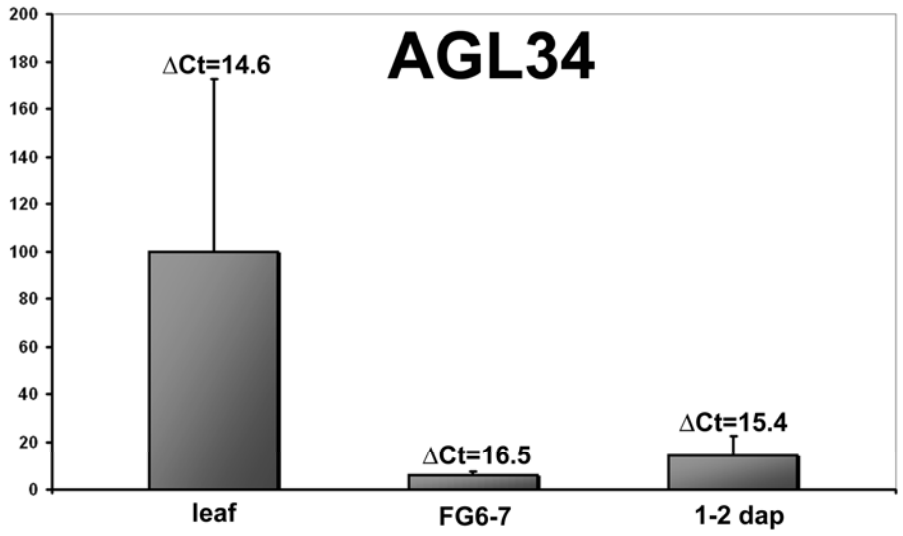
AGL36

#Lines analyzed	17
# Expressors	0



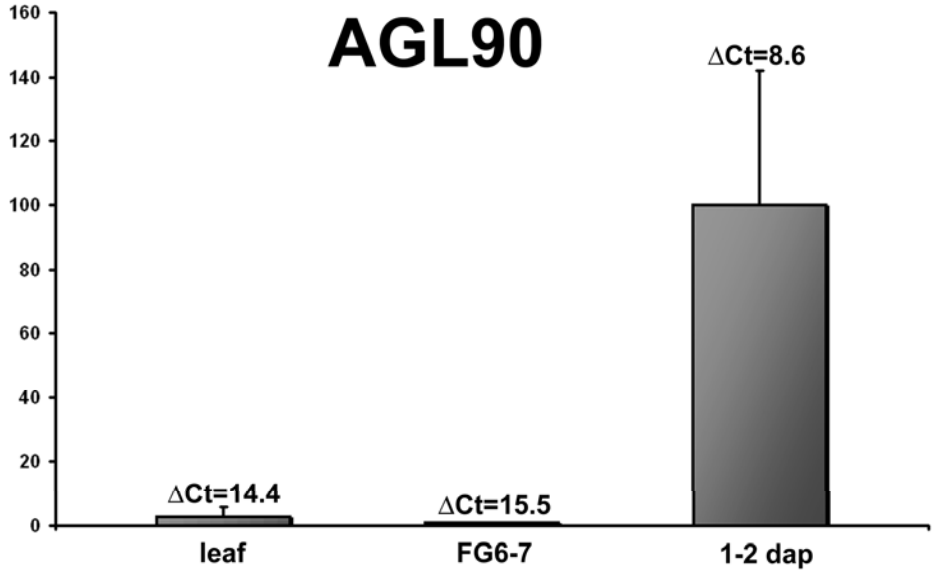
AGL34

#Lines analyzed	17
# Expressors	0



AGL90

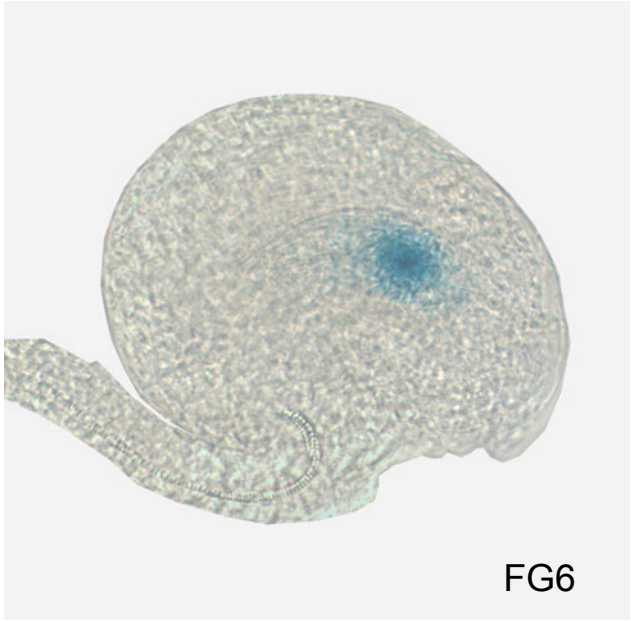
#Lines analyzed	17
# Expressors	0



Mß-type genes

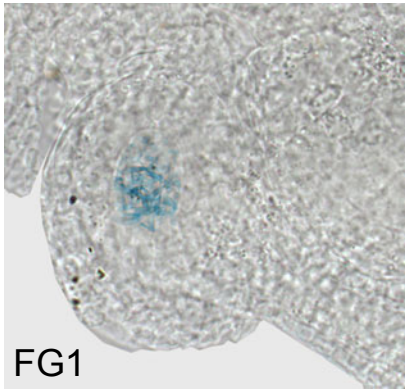
AGL82

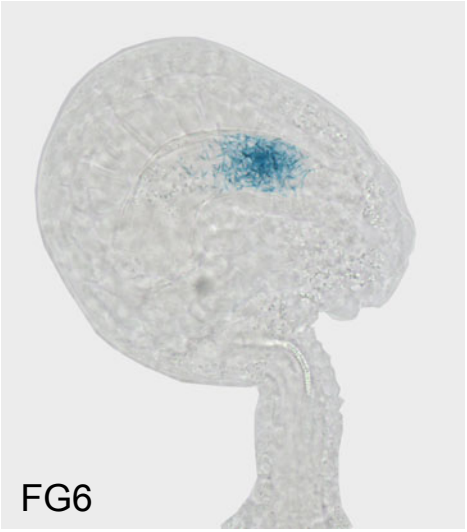
#Lines analyzed	20
# Expressors	10



AGL47

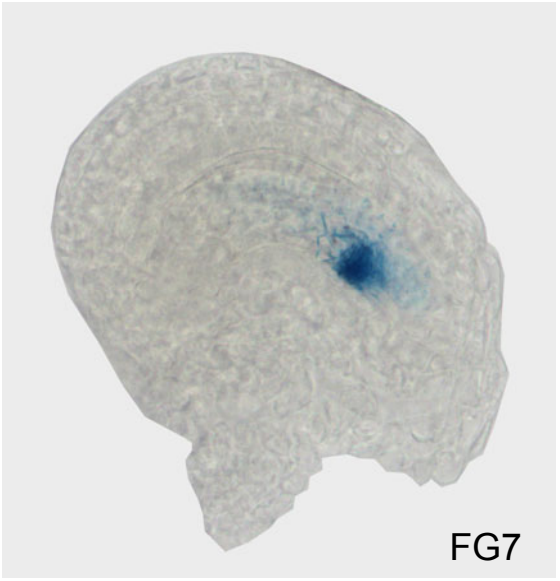
#Lines analyzed	14
# Expressors	8





AGL49

#Lines analyzed	17
# Expressors	3

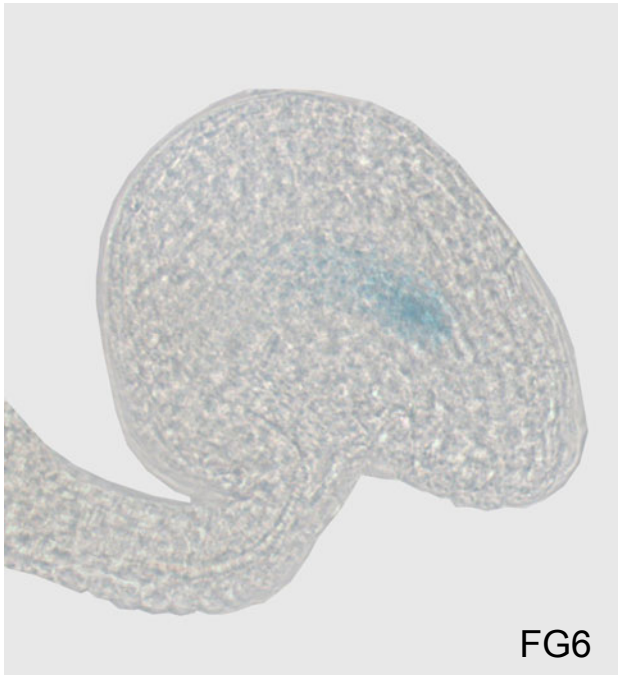


AGL50

#Lines analyzed	11
# Expressors	0

AGL103

#Lines analyzed	17
# Expressors	1



AGL101

#Lines analyzed	17
# Expressors	0

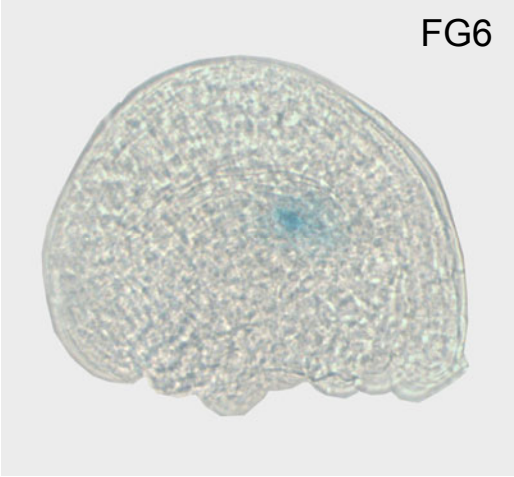
AGL26

#Lines analyzed	17
# Expressors	0

AGL89

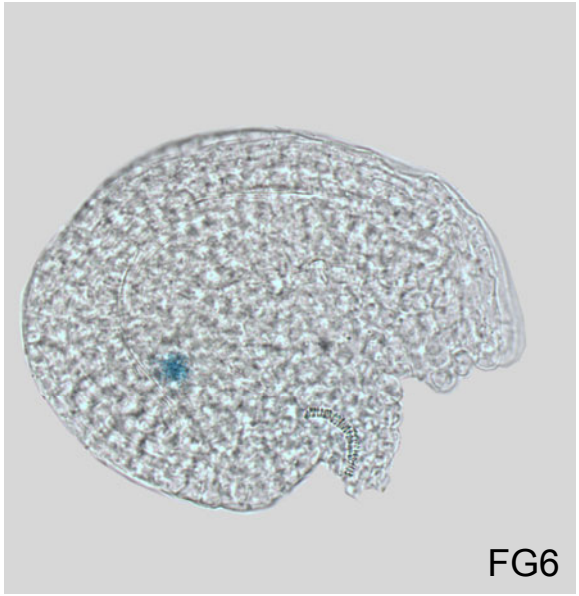
#Lines analyzed	16
# Expressors	2

FG6



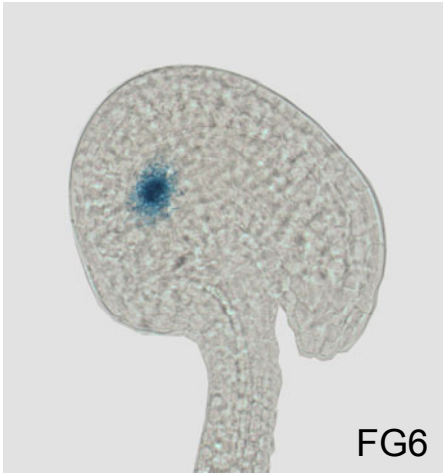
AGL54

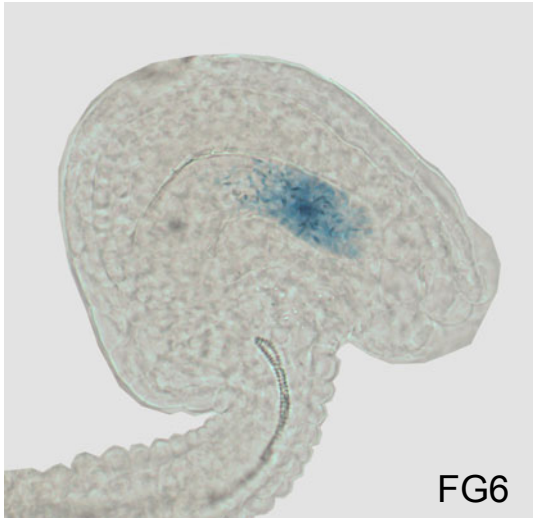
#Lines analyzed	17
# Expressors	7

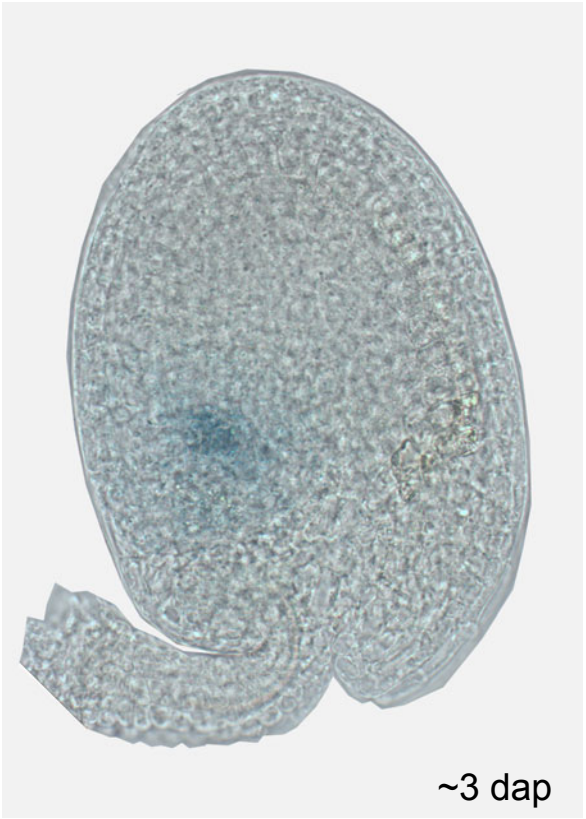


AGL53

#Lines analyzed	17
# Expressors	12







AGL93

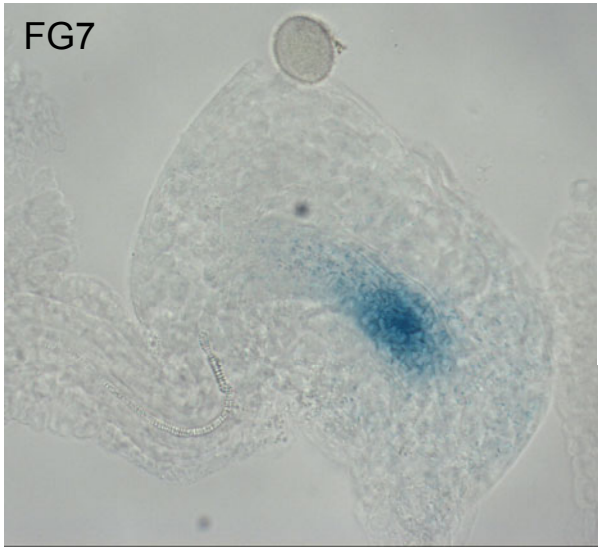
#Lines analyzed	17
# Expressors	0

AGL51

#Lines analyzed	17
# Expressors	0

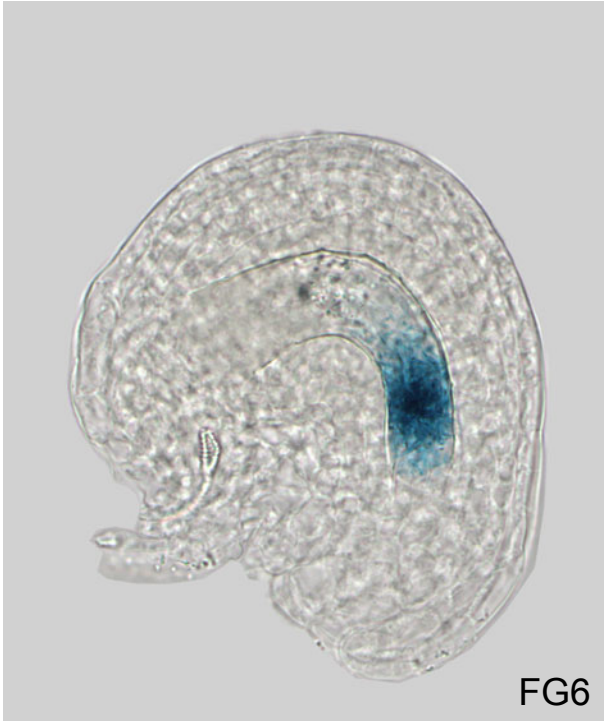
AGL78

#Lines analyzed	17
# Expressors	2



AGL52

#Lines analyzed	17
# Expressors	3



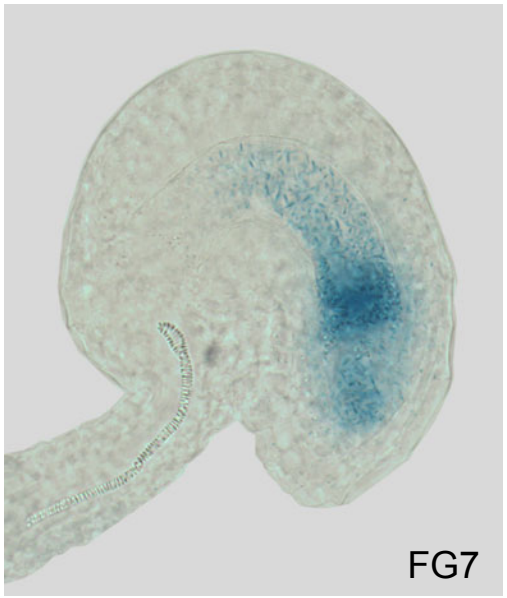
AGL98

#Lines analyzed	17
# Expressors	0

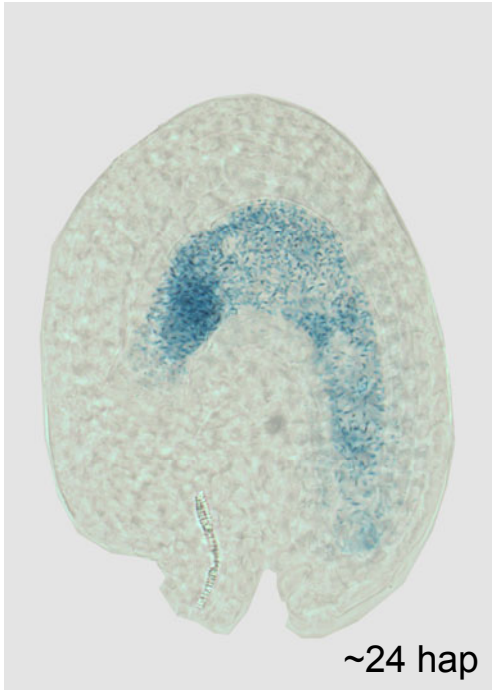
AGL81

#Lines analyzed	8
# Expressors	5

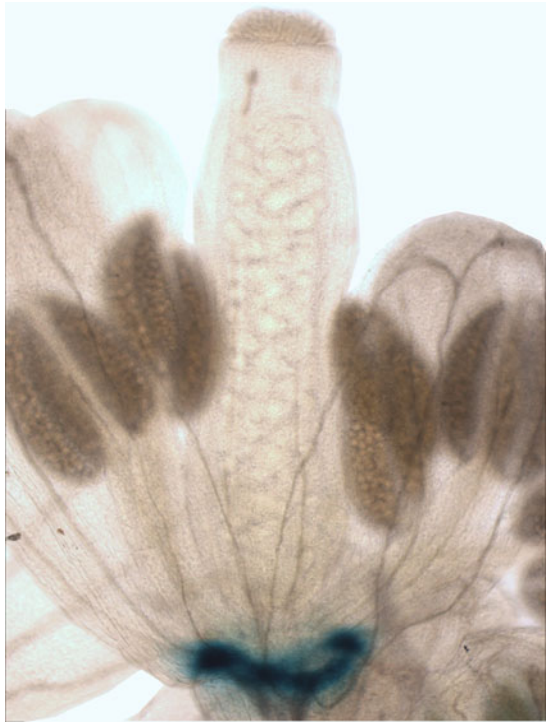
mature pistil



FG7



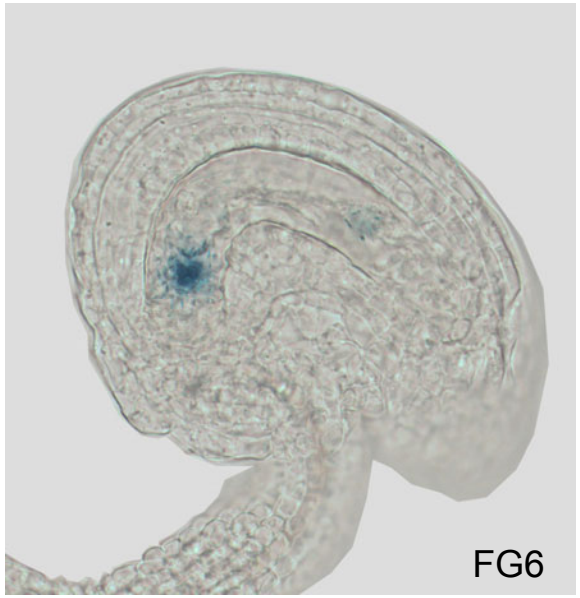
~24 hap

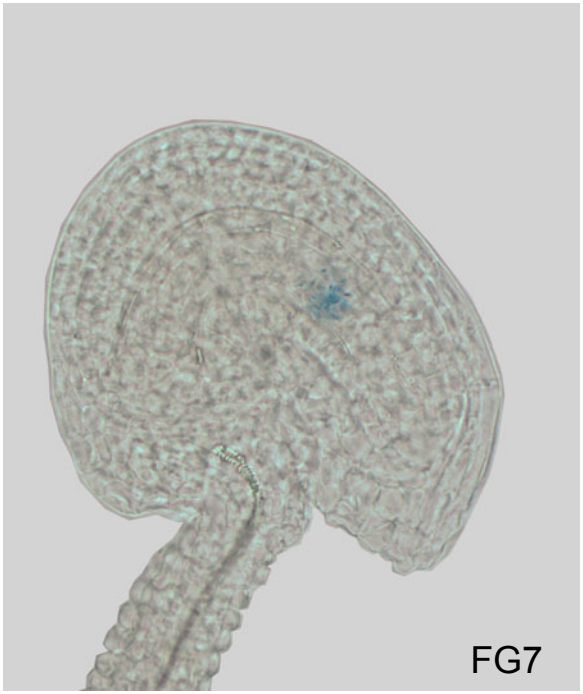


flower base

AGL77

#Lines analyzed	17
# Expressors	4





AGL43

#Lines analyzed	17
# Expressors	0

AGL76

#Lines analyzed	0
# Expressors	0

AGL75

#Lines analyzed	15
# Expressors	1