

FIG. 1

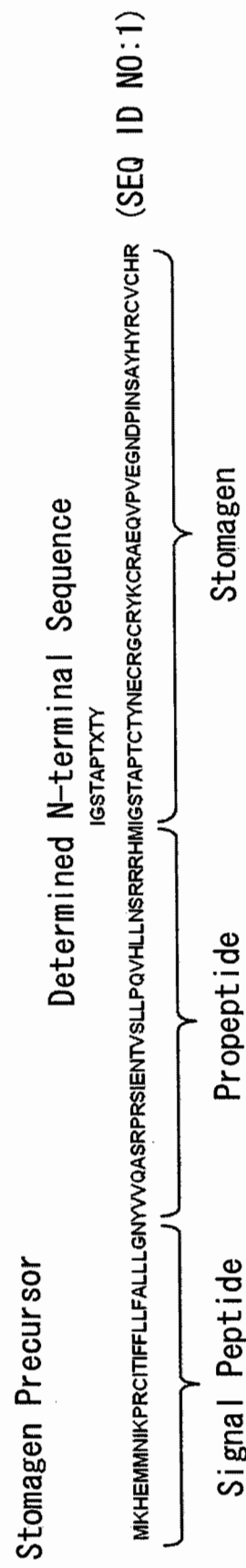


FIG. 2

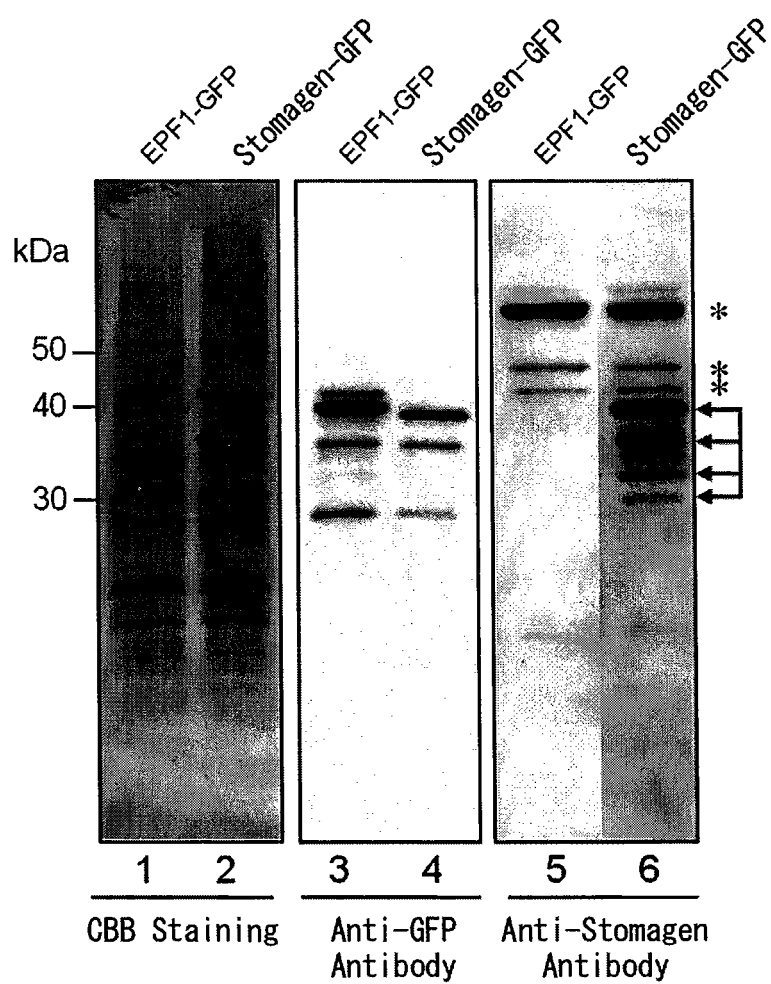


FIG. 3

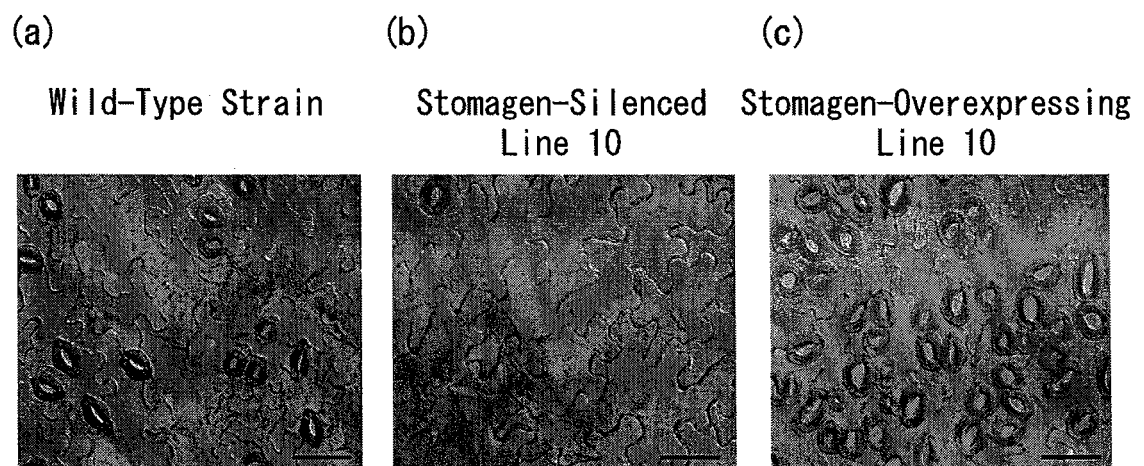


FIG. 4

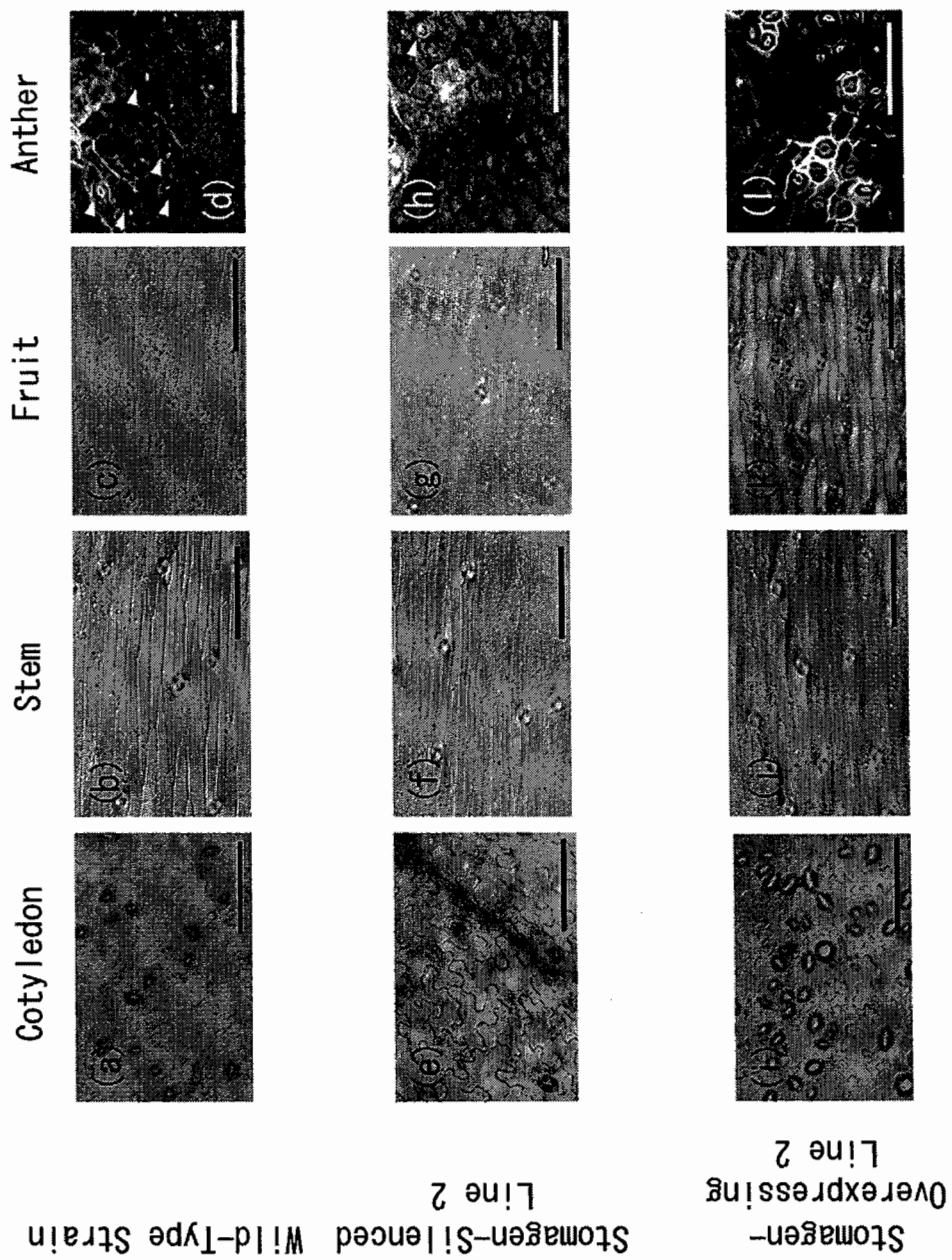
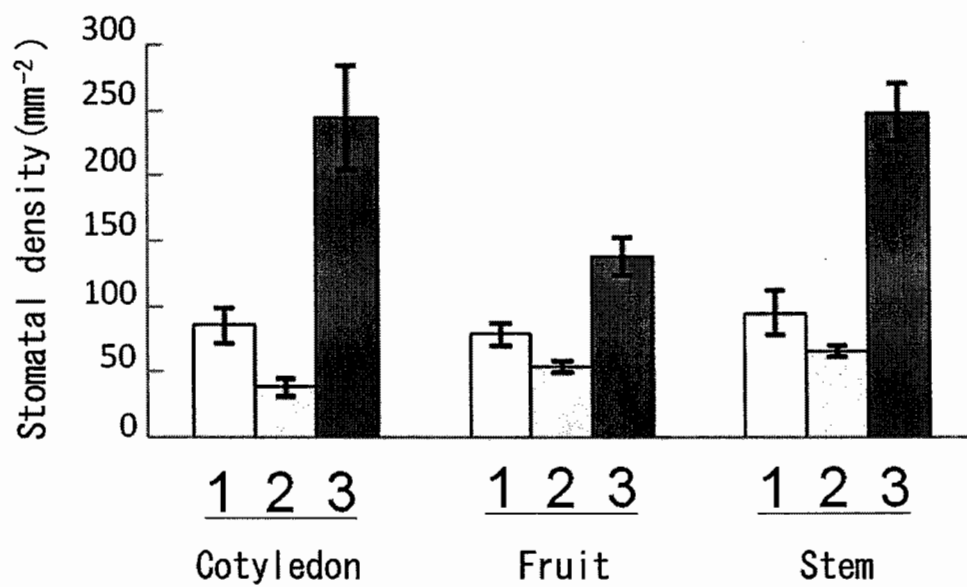


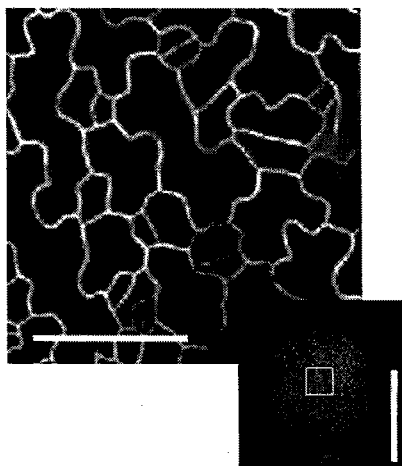
FIG. 5



Expression Pattern Of Stamagen Gene

FIG. 6

(a)



(b)

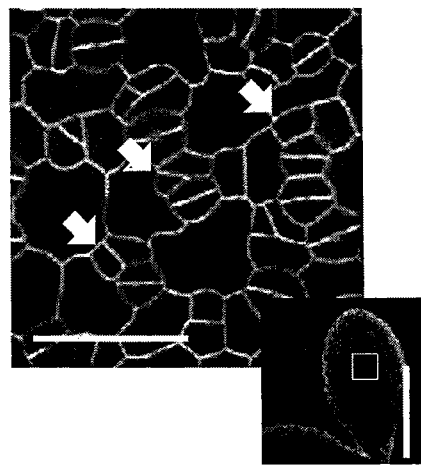
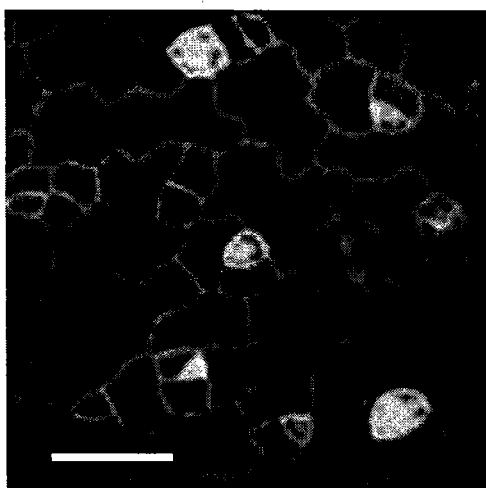


FIG. 7

(a)



(b)

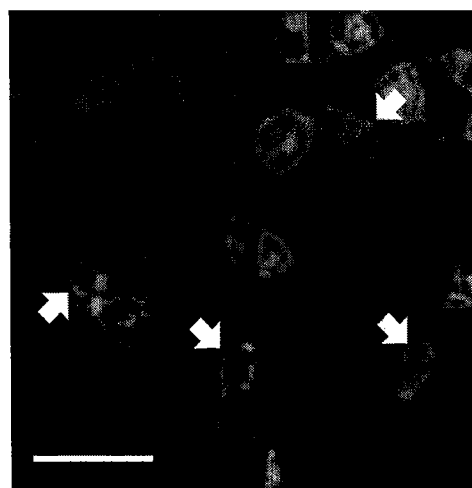


FIG. 8

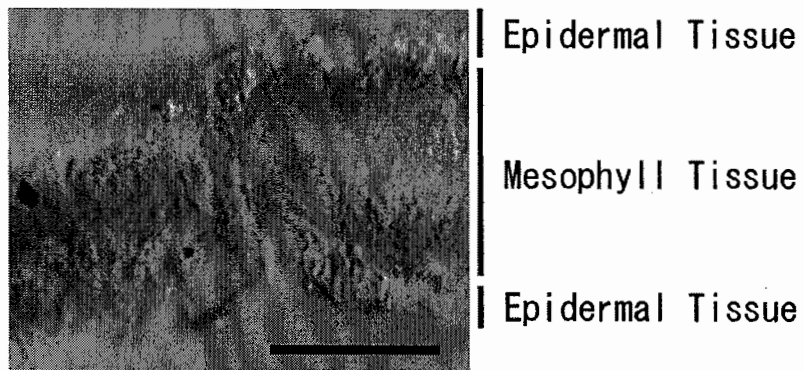
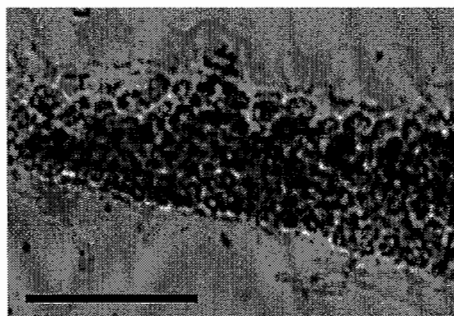


FIG. 9

(a)

Antisense



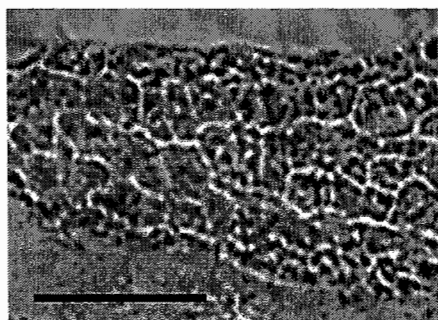
Epidermal Tissue

Mesophyll Tissue

Epidermal Tissue

(b)

Sence



Epidermal Tissue

Mesophyll Tissue

Epidermal Tissue

FIG. 10

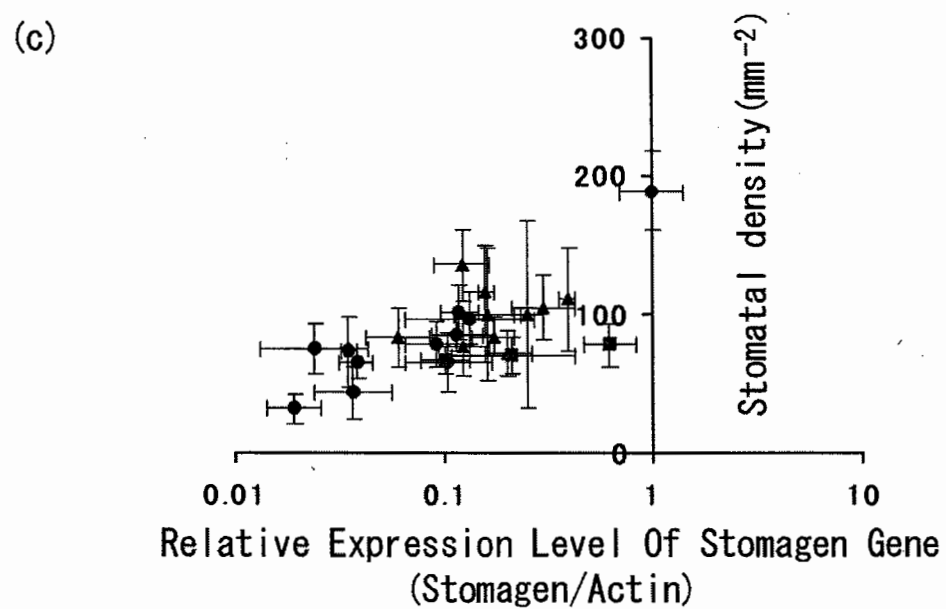
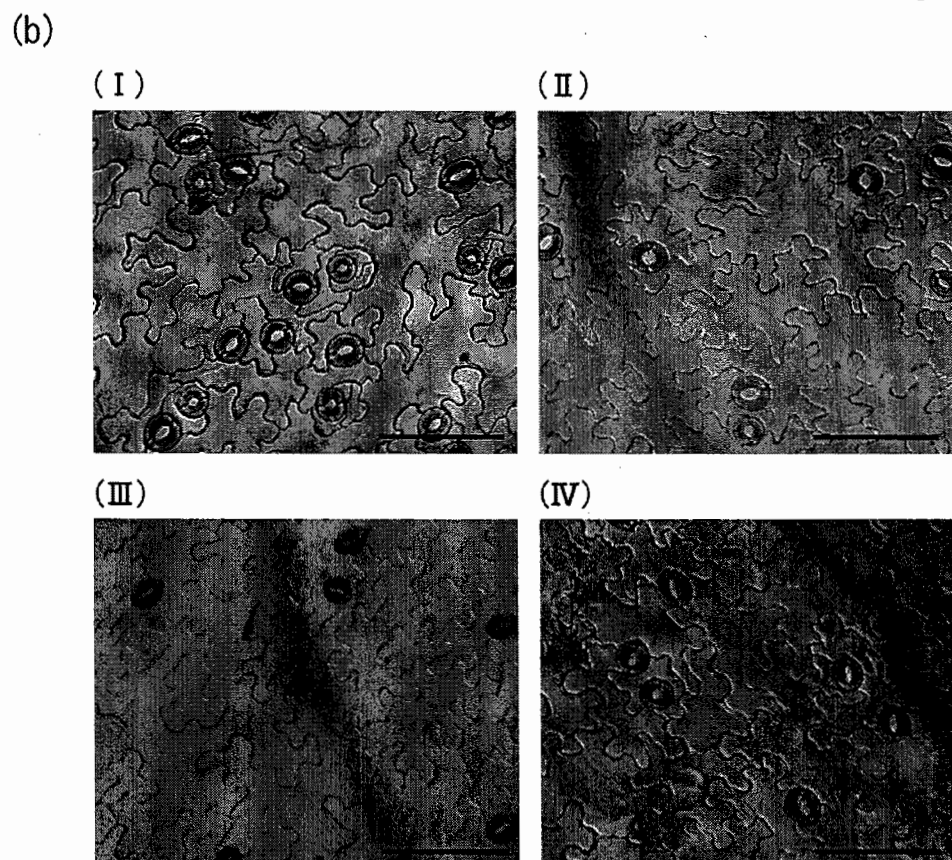
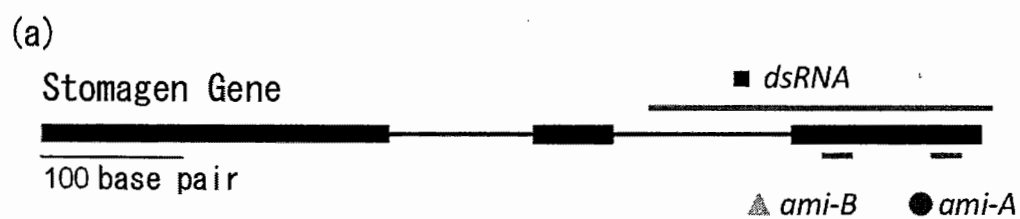


FIG. 11

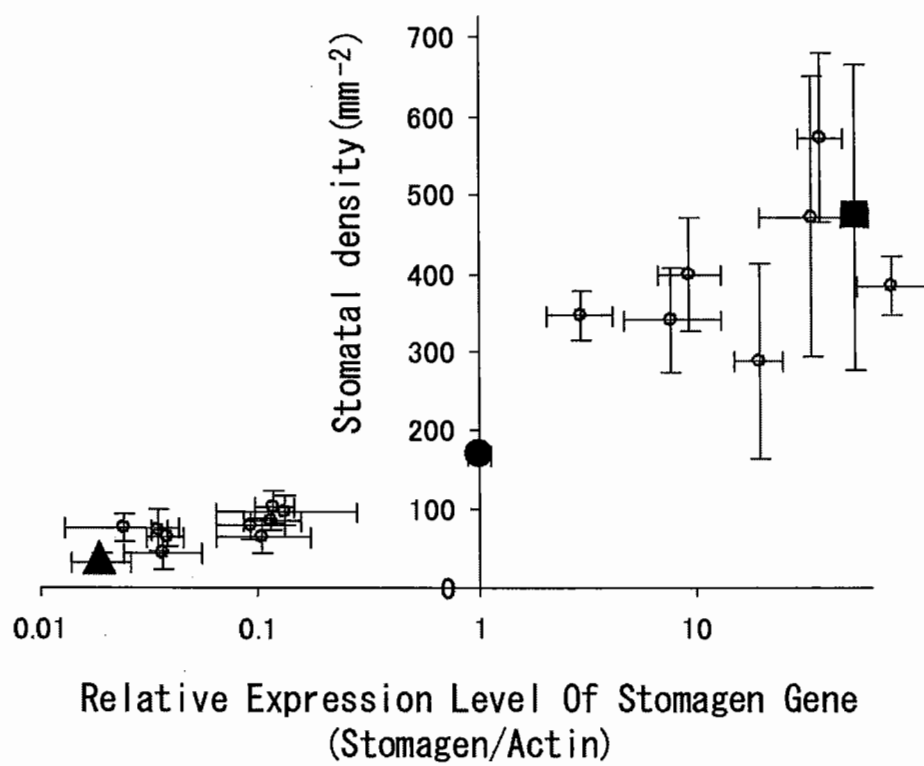


FIG. 12

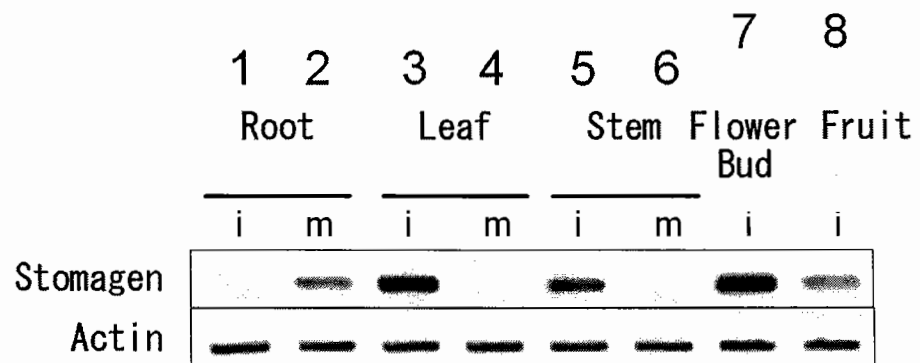
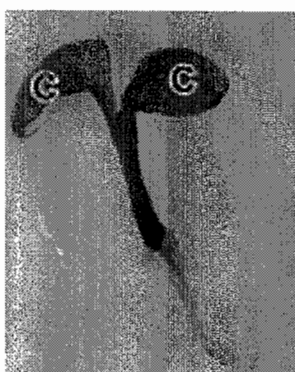


FIG. 13

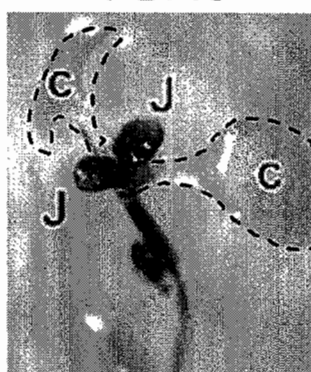
(a)

2 DAG



(b)

9 DAG



(c)

16 DAG

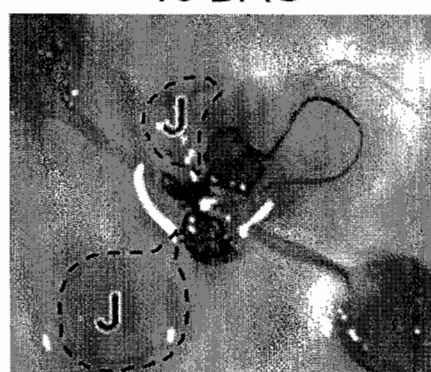


FIG. 14

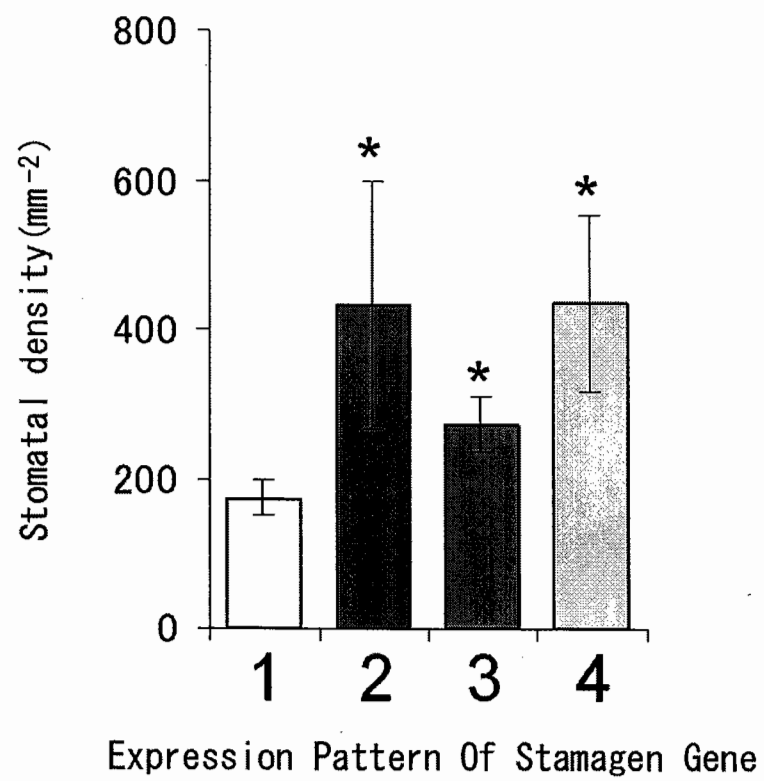


FIG. 15

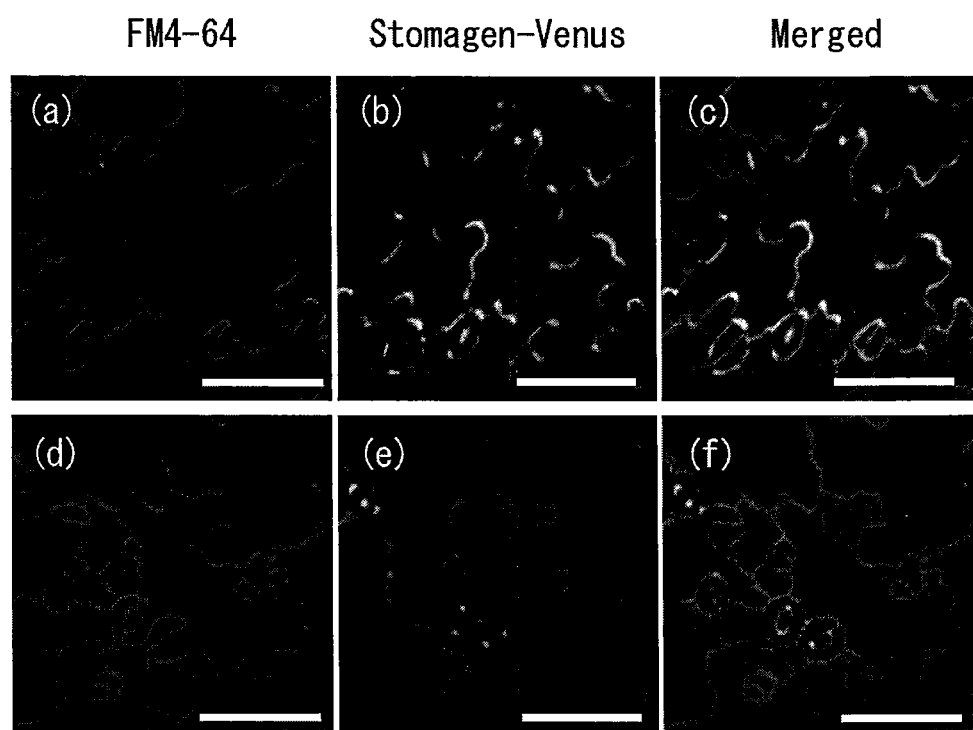
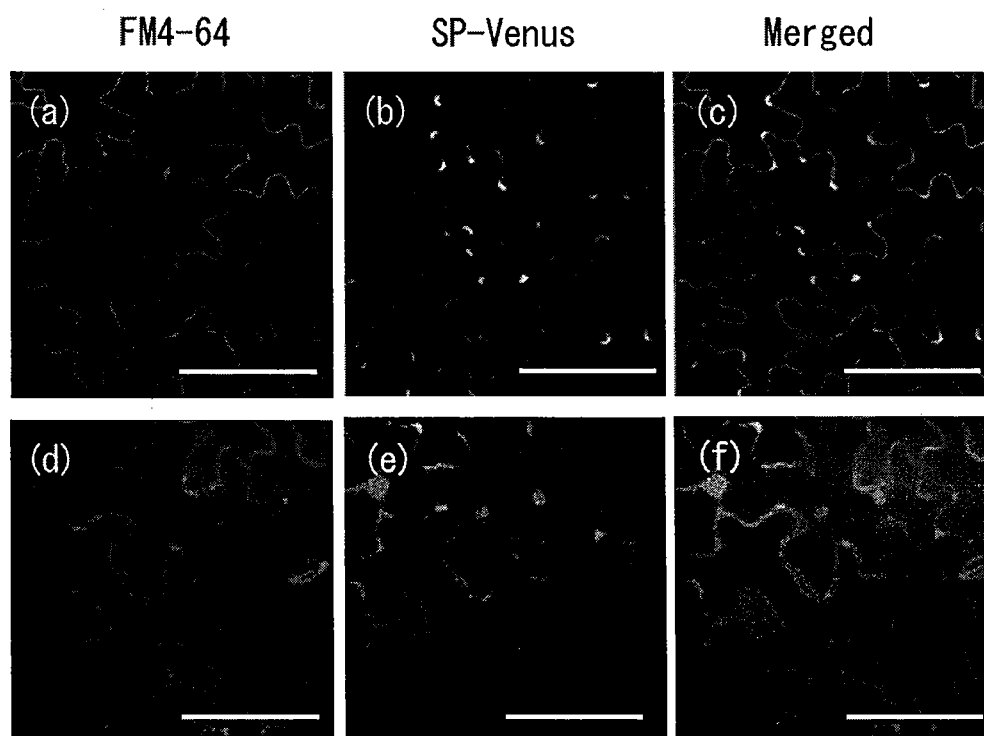


FIG. 16

(A)



(B)

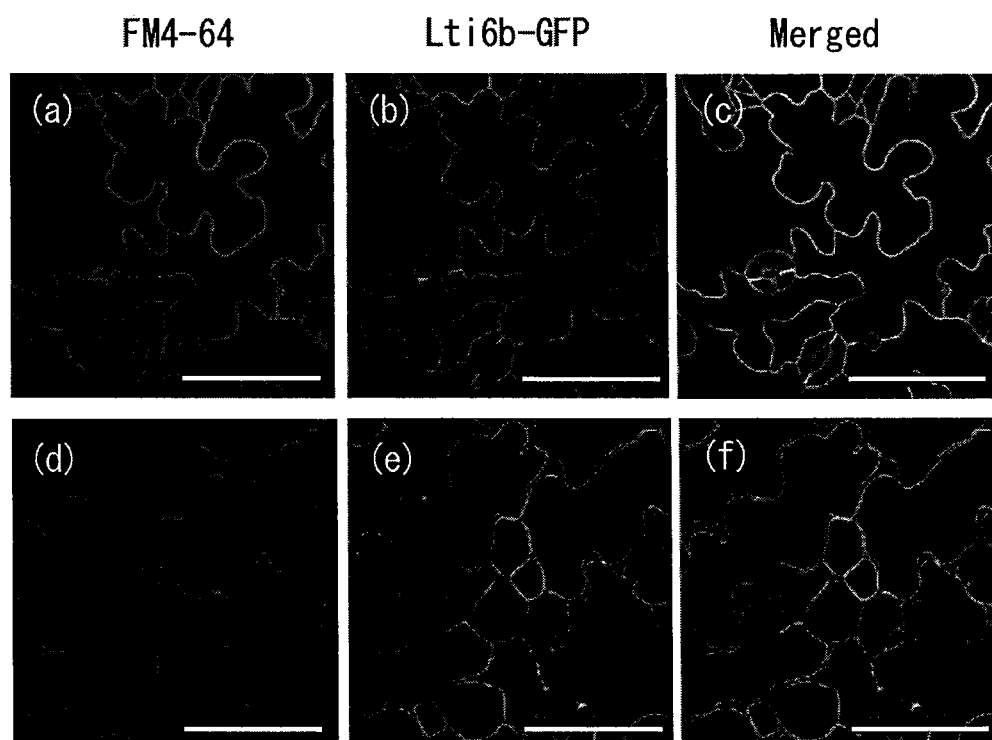


FIG. 17

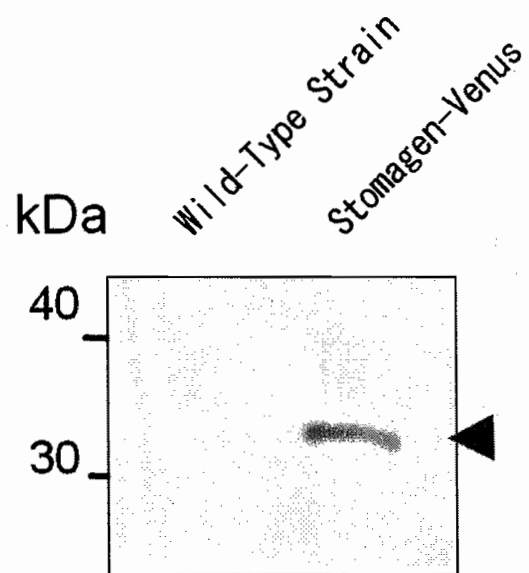


FIG. 18

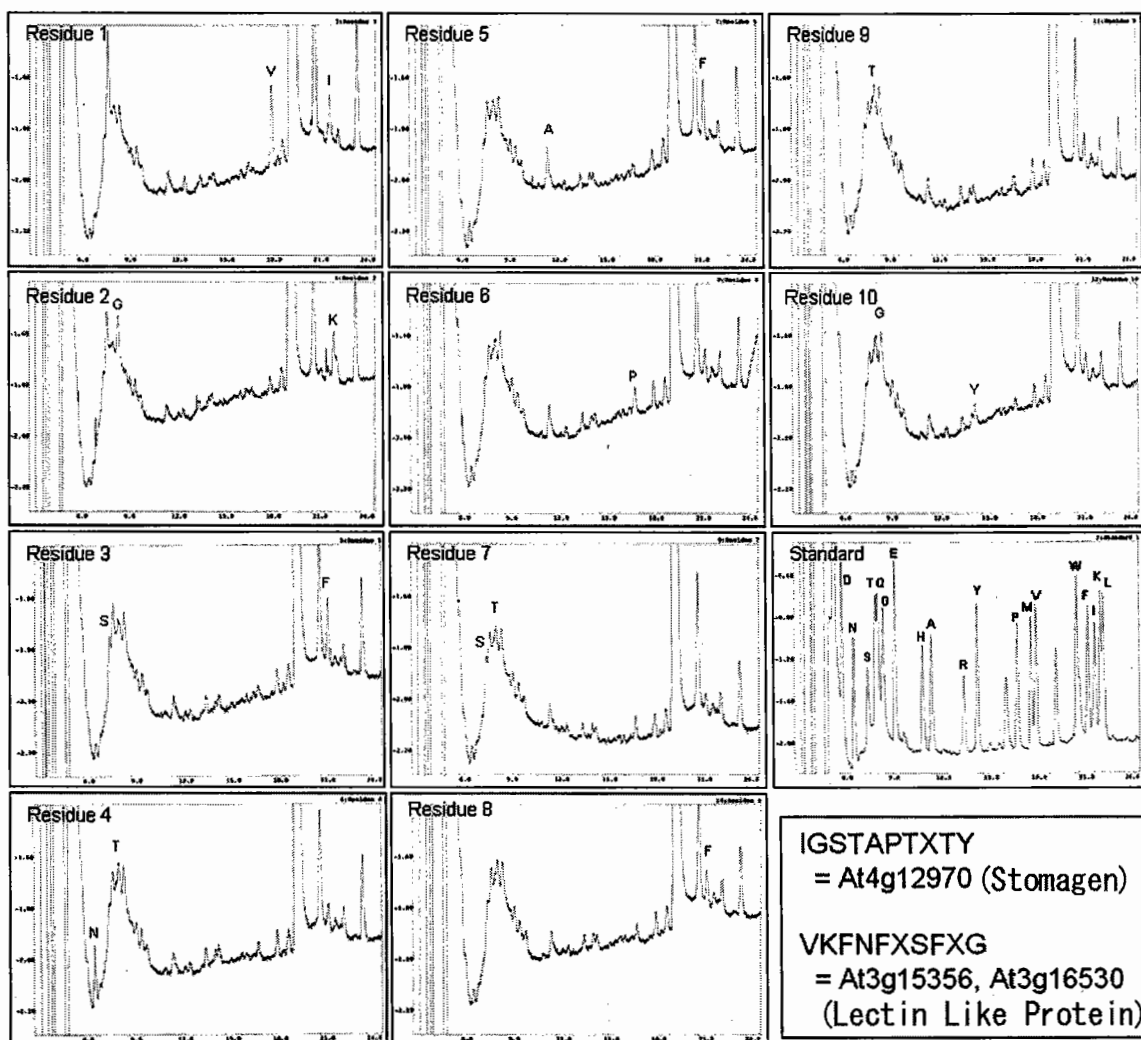
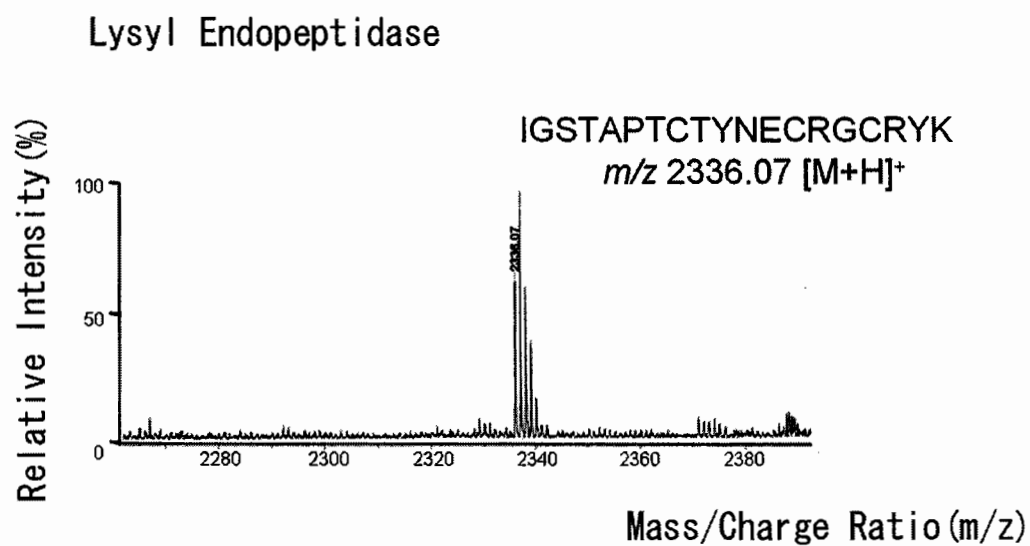


FIG. 19

(a)



(b)

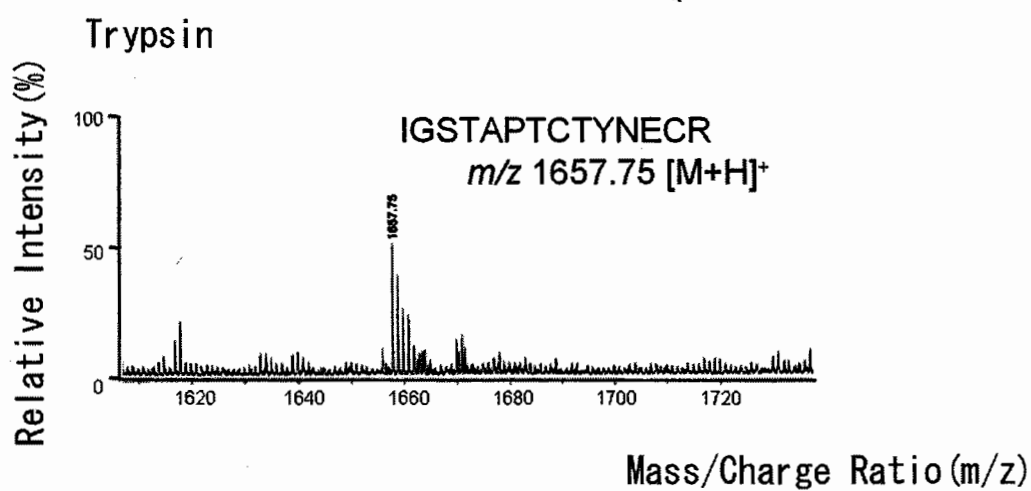


FIG. 20

<i>Arabidopsis thaliana</i>	-----MKHEMMNIKPRCITIFFLLFALLLGNVYVQASRPRS I-----ENTVSLLP	45
<i>Oryza sativa</i>	MANACPTSTTSSLP LFFLCFLLFSHARCNQGHGSI SGT DYGEQYPHQ TLP EEH IHLQE	60
<i>Vitis vinifera</i>	-----MLISKQPNL-FLVLLFTLLFAAYFTQGSKSQVVPYPYHQREIVHLQS	45
<i>Populus trichocarpa</i>	-----MANTRLCY-LLSLLFTFLLAAAFVIQGSRNQELLPPYHQSI STPSQE	44
<i>Selaginella moellendorffii</i>	-----	0
		
<i>Arabidopsis thaliana</i>	QVHLL-----NSRRRRHMIIGSTAPTCTYNECREGC RYKCR AEQVPVEGNDPINSAYHYRCV	99
<i>Oryza sativa</i>	NIKVLNKERLPKYARRRMIIIGSTAPIC T YNEC RGC R F K C T A E Q V P V D A M D P M N S A Y H Y K E V	120
<i>Vitis vinifera</i>	SGEQW-----MNRNSRRLLMIGSTRPTCTYNEC RGC R K Y K C R A E Q V P V E G N D P I N S A Y H Y R C V	101
<i>Populus trichocarpa</i>	DSQALGGNEEQMSSKRLMIGSTAPTCTYNEC RGC R K Y K C R A E Q V P V E G N D F I H S A Y H Y K C I	104
<i>Selaginella moellendorffii</i>	----MINEWQYPSPDRRAMVVGSTAPSC T YNEC R D C K T E C R A E Q V P L N G R N P K E S A Y R Y L C V	56
<i>Arabidopsis thaliana</i>	CHR--	102 (SEQ ID NO:1)
<i>Oryza sativa</i>	CHR--	123 (SEQ ID NO:2)
<i>Vitis vinifera</i>	CHR--	104 (SEQ ID NO:3)
<i>Populus trichocarpa</i>	CHR--	107 (SEQ ID NO:4)
<i>Selaginella moellendorffii</i>	CRKRH	61 (SEQ ID NO:5)

FIG. 21

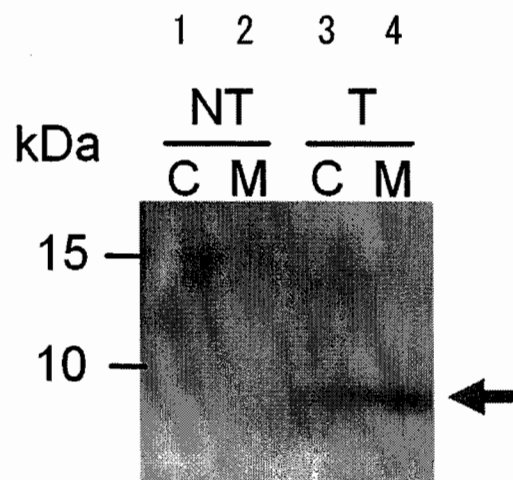


FIG. 22

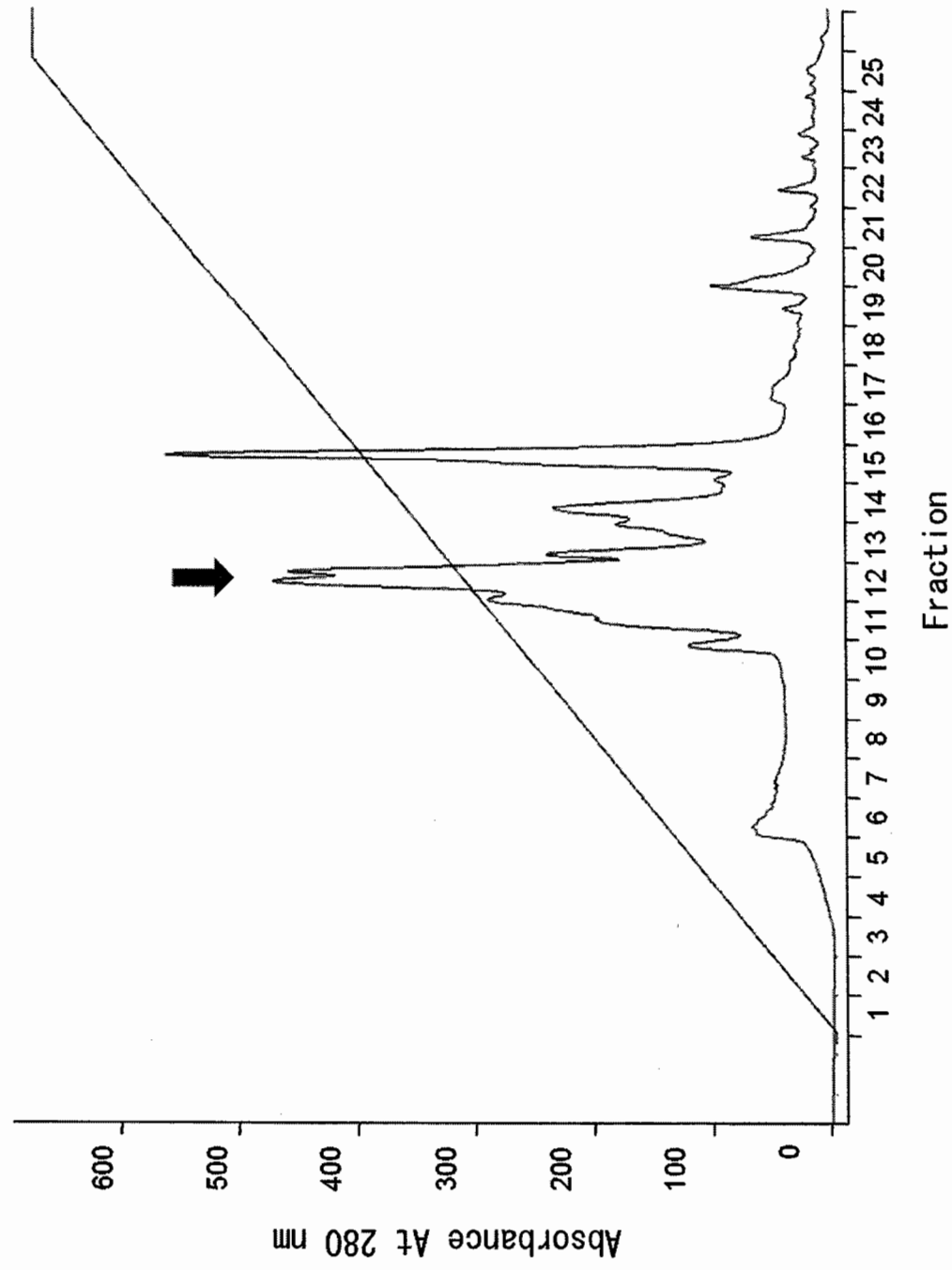


FIG. 23

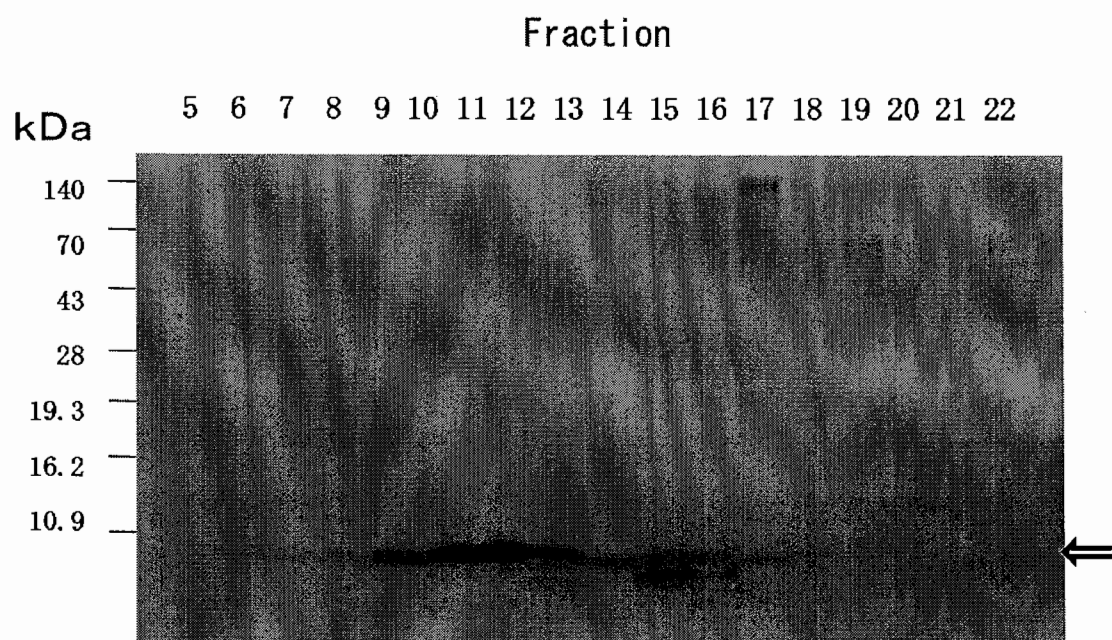


FIG. 24

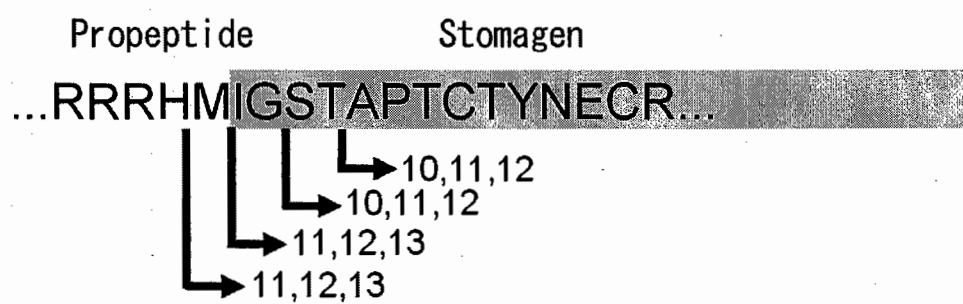


FIG. 25

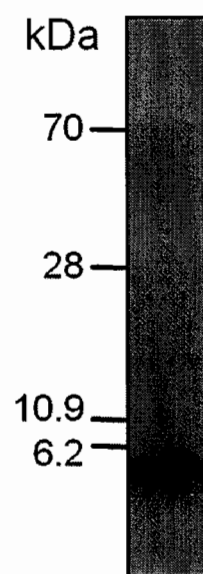


FIG. 26

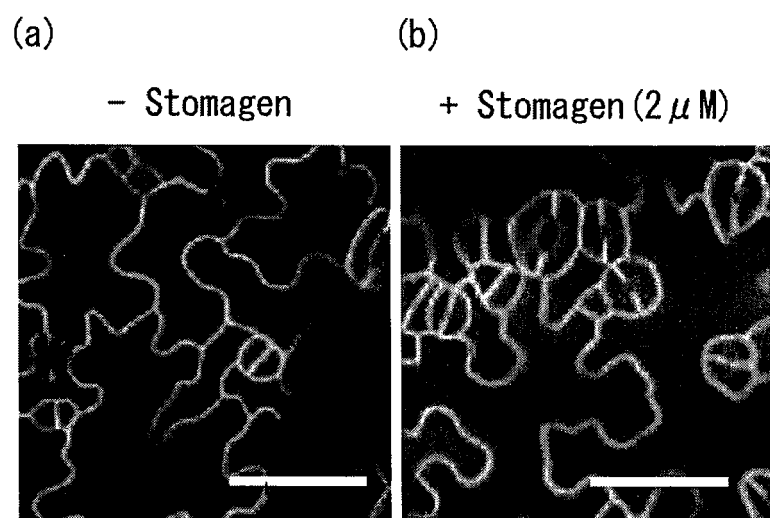


FIG. 27

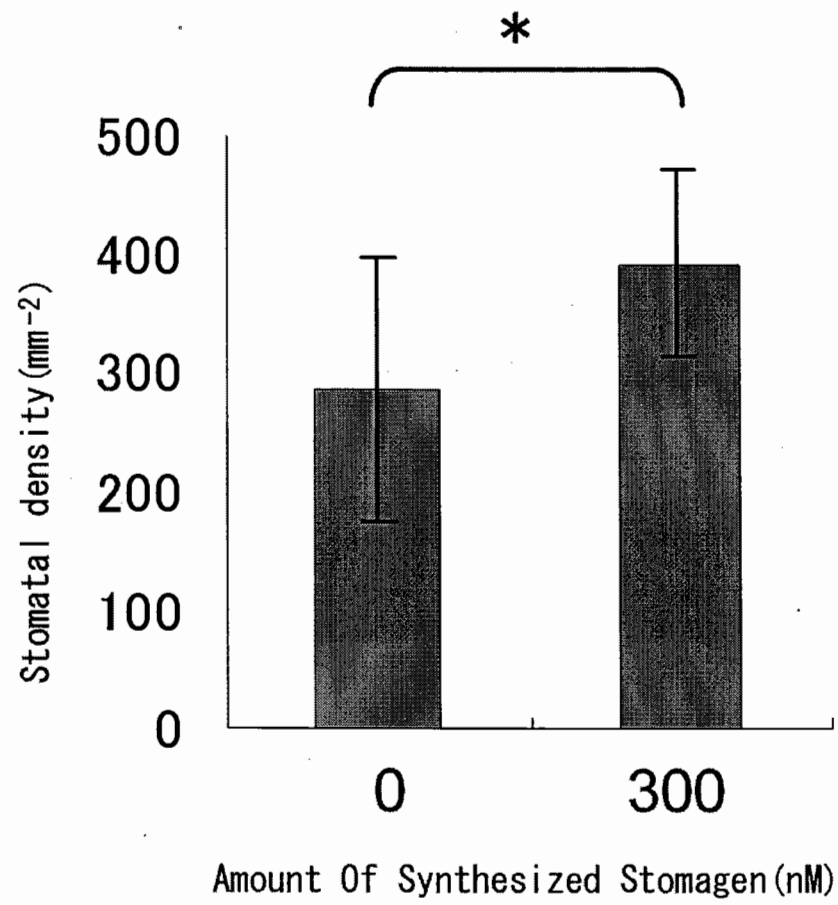
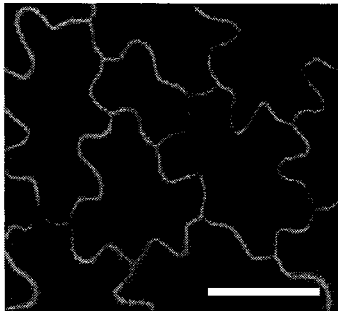


FIG. 28

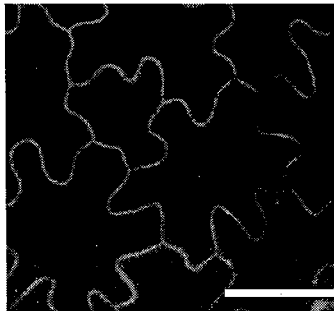
(a)

spch Mutant Strain



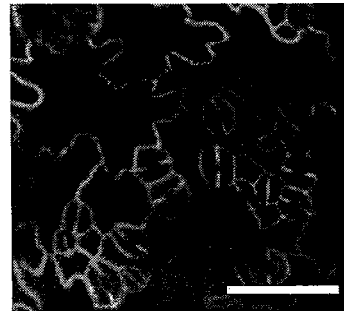
(b)

spch Mutant
Strain + Stomagen



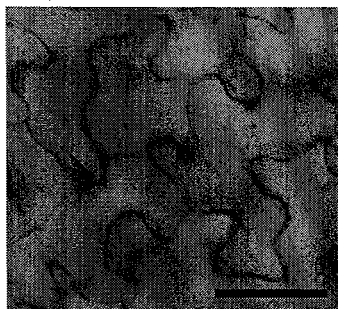
(c)

Wild-Type
Strain + Stomagen



(d)

spch Mutant Strain



(e)

Stomagen-
Overexpressing
spch Mutant Strain



(f)

Stomagen-
Overexpressing
Line



FIG. 29

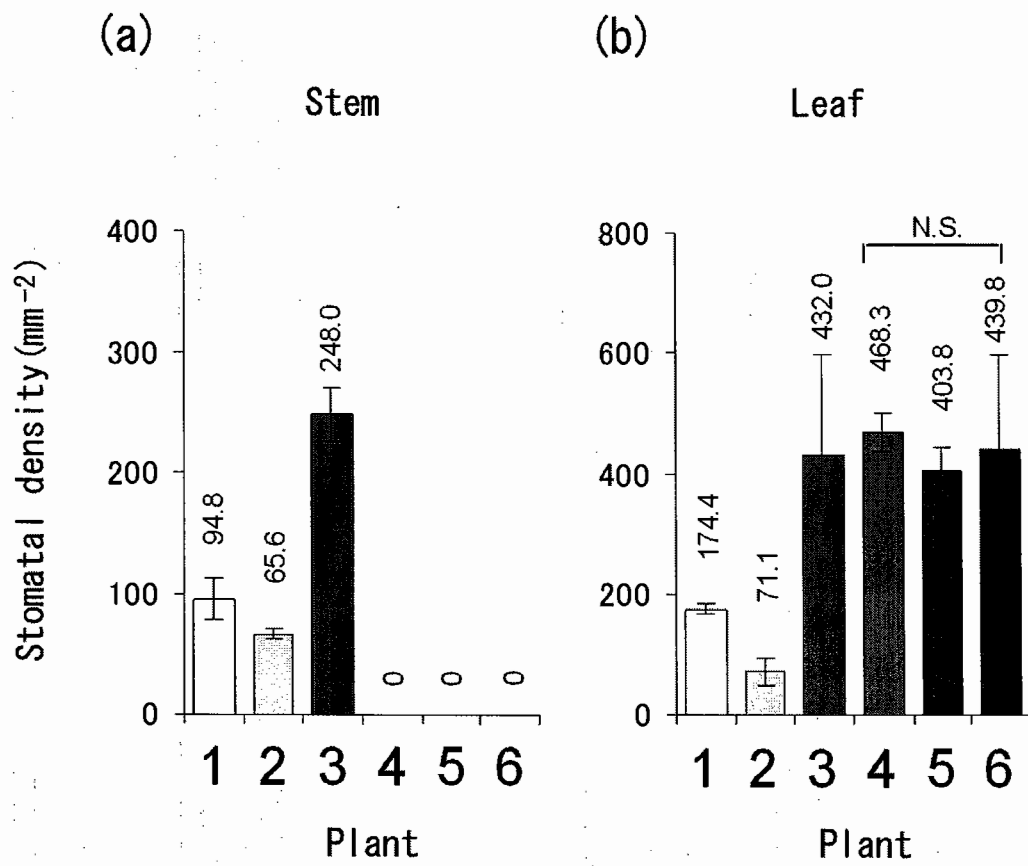
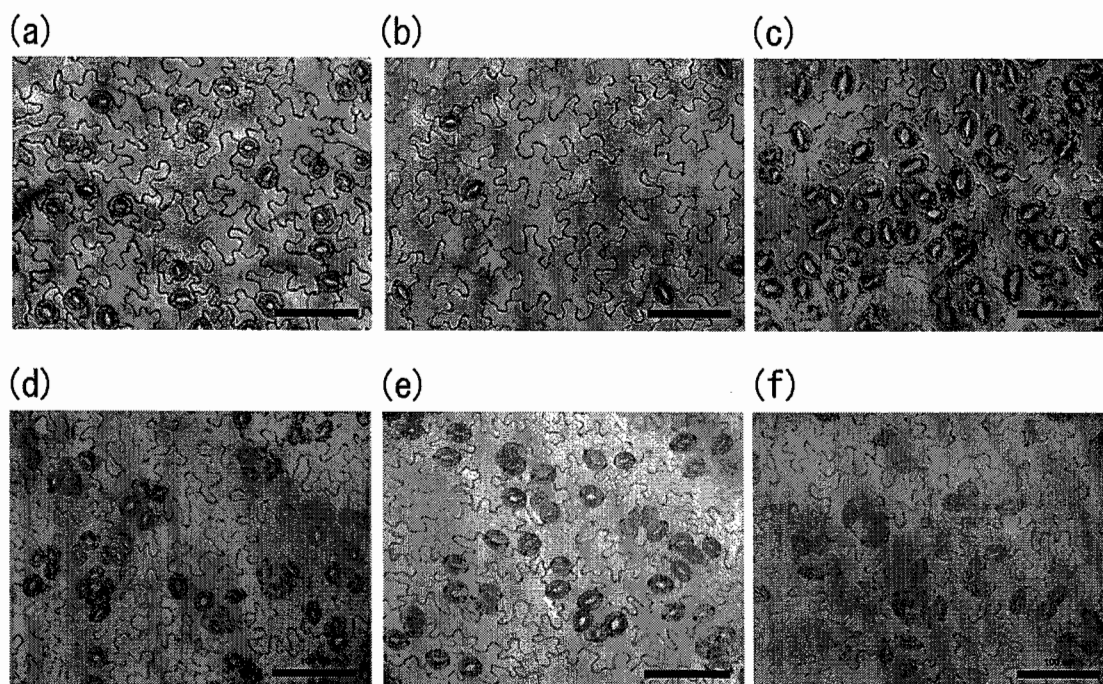


FIG. 30

(A)



(B)

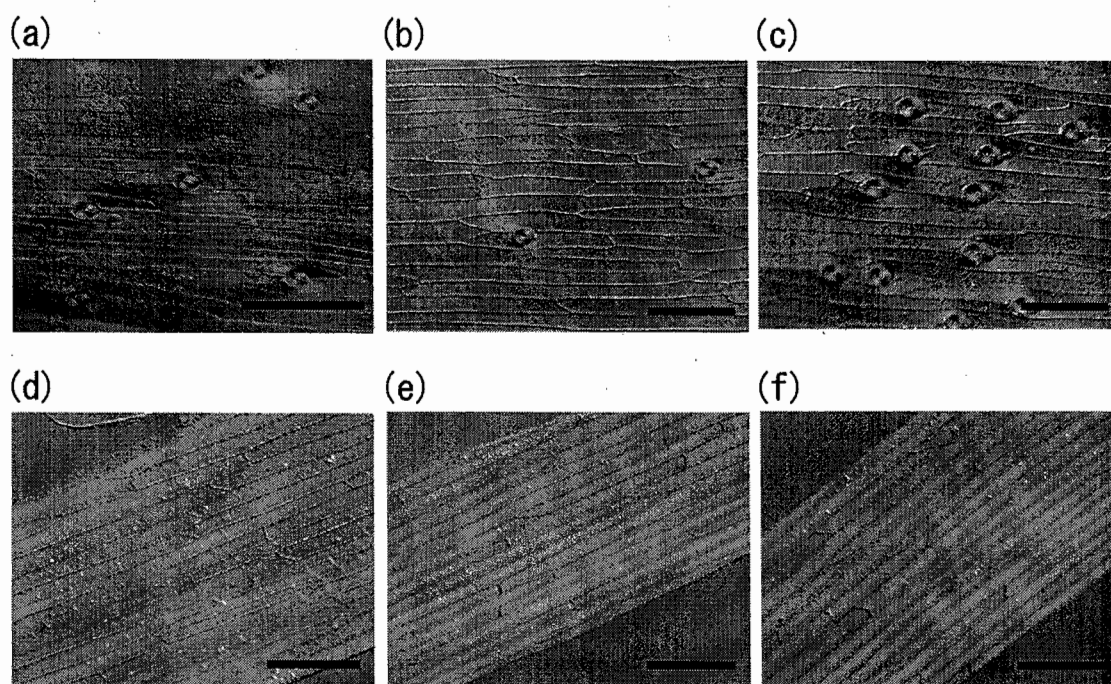


FIG. 31

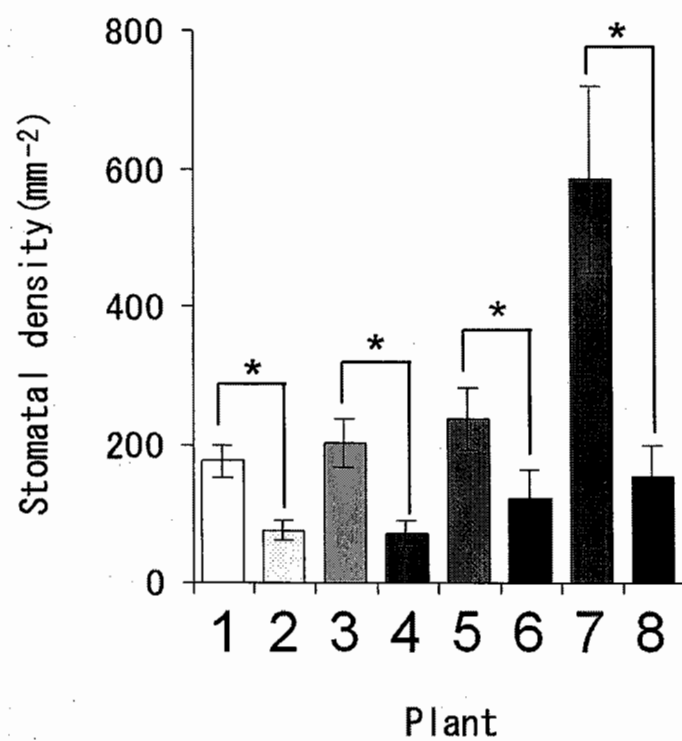


FIG. 32

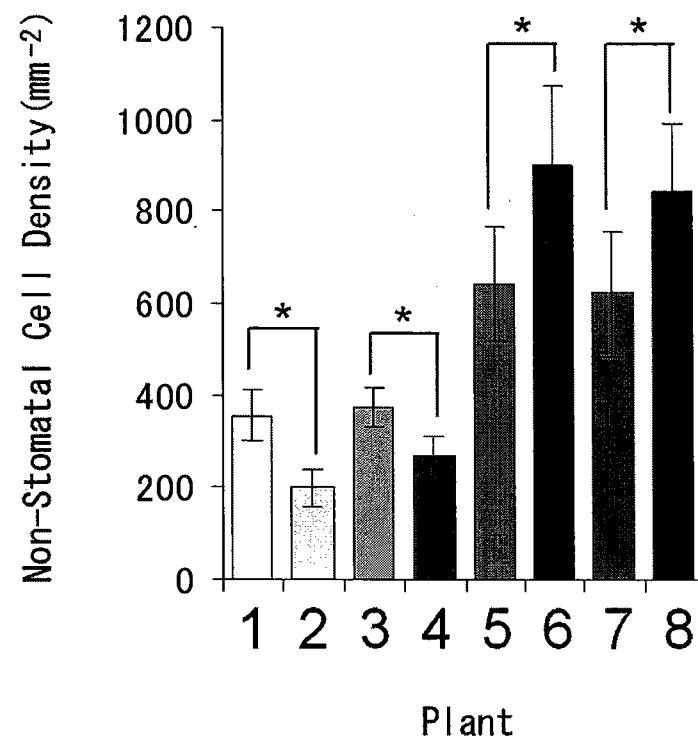
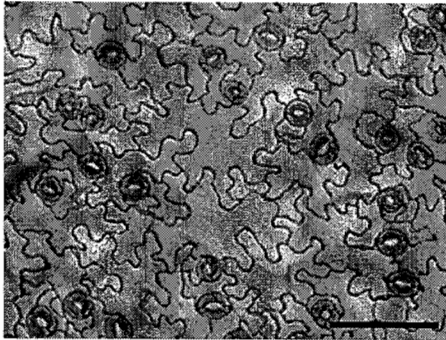
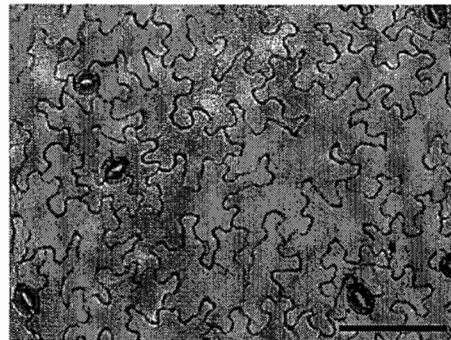


FIG. 33

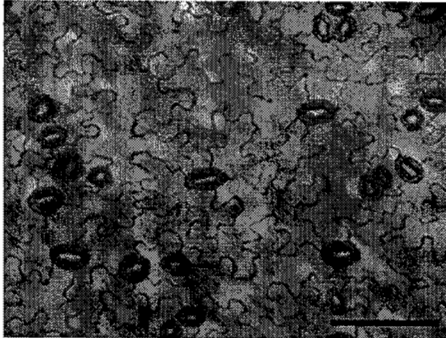
(a)



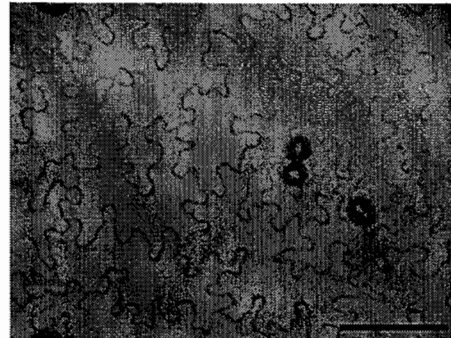
(b)



(c)



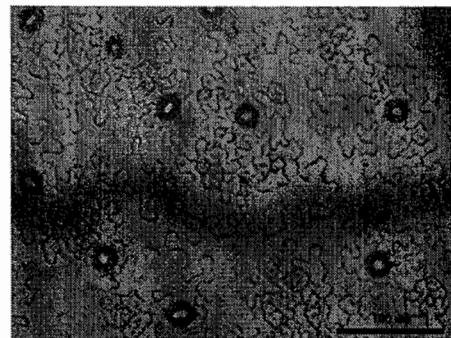
(d)



(e)



(f)



(g)



(h)

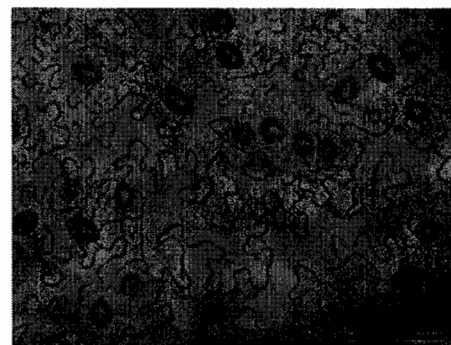


FIG. 34

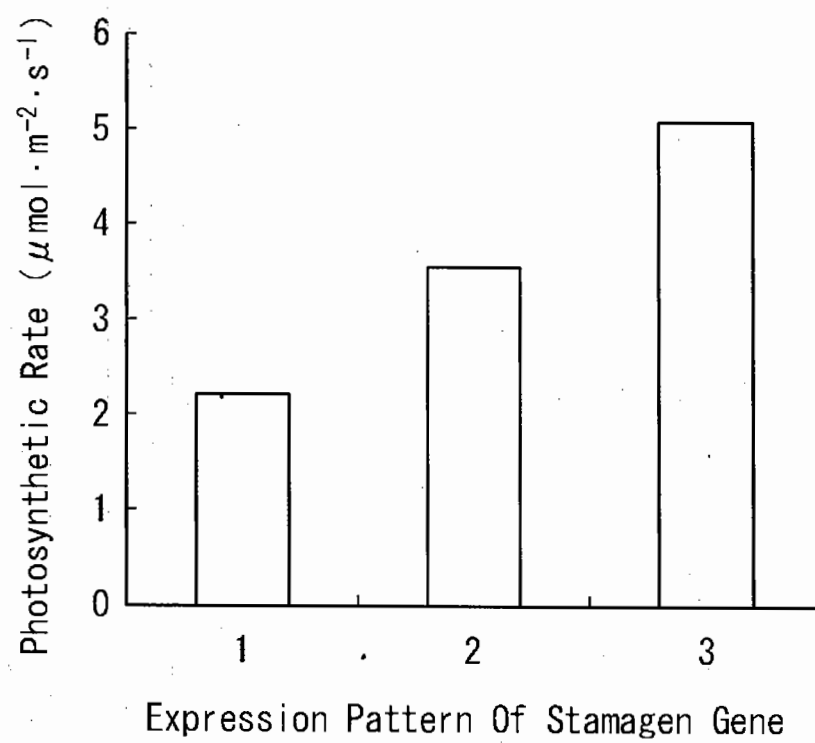


FIG. 35



FIG. 36

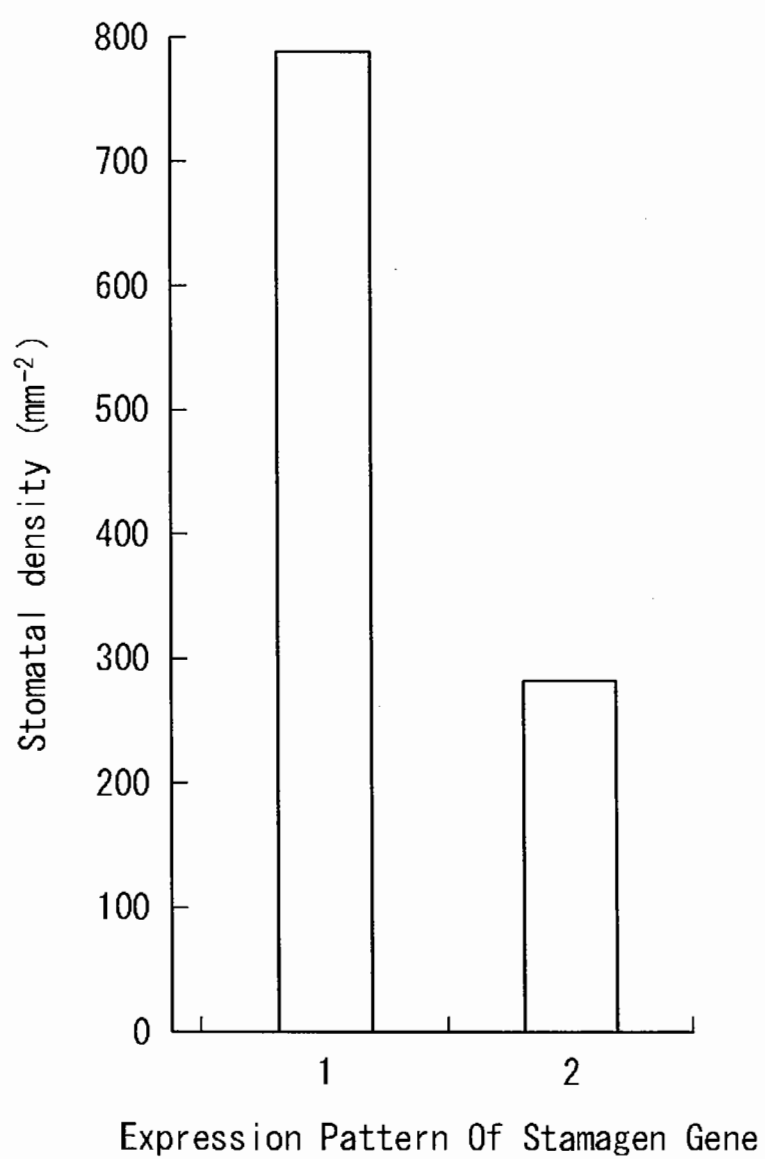


FIG. 37

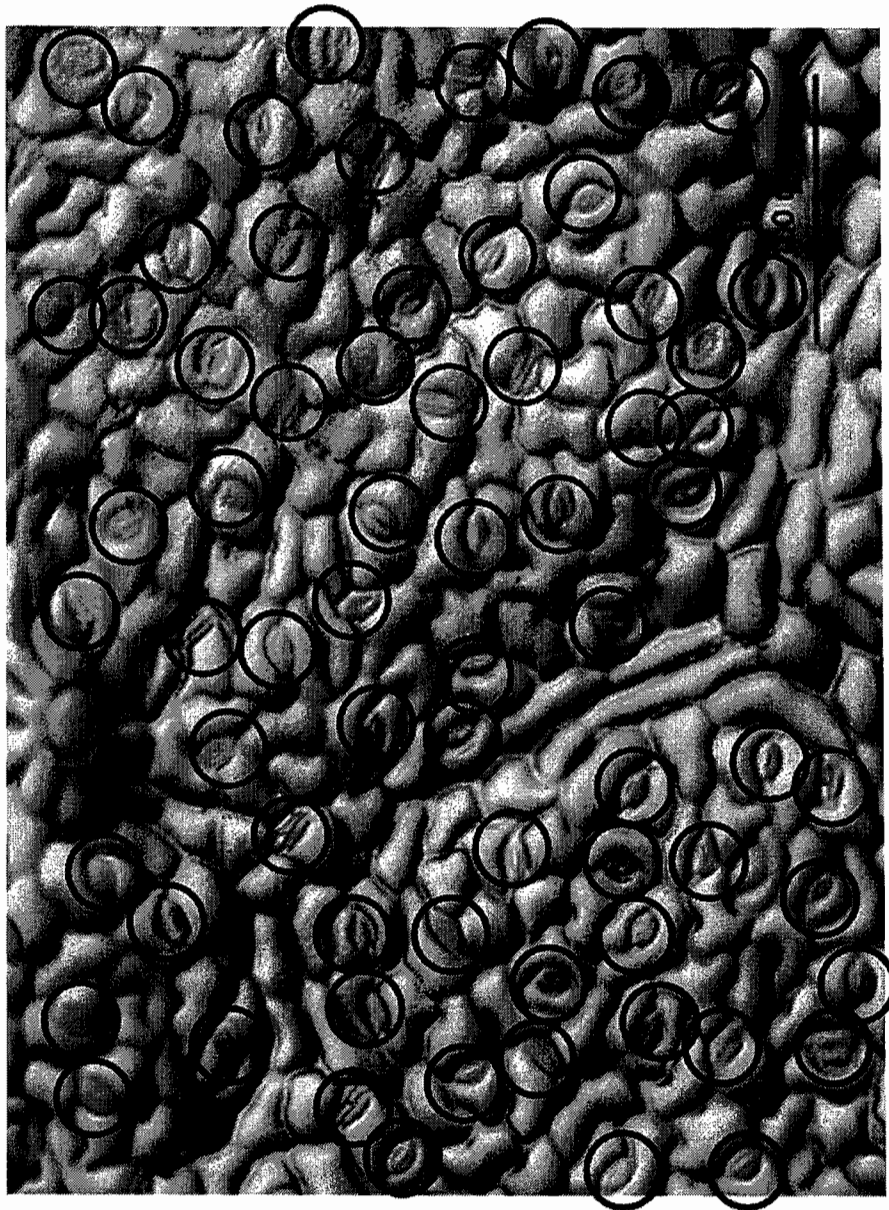


FIG. 38

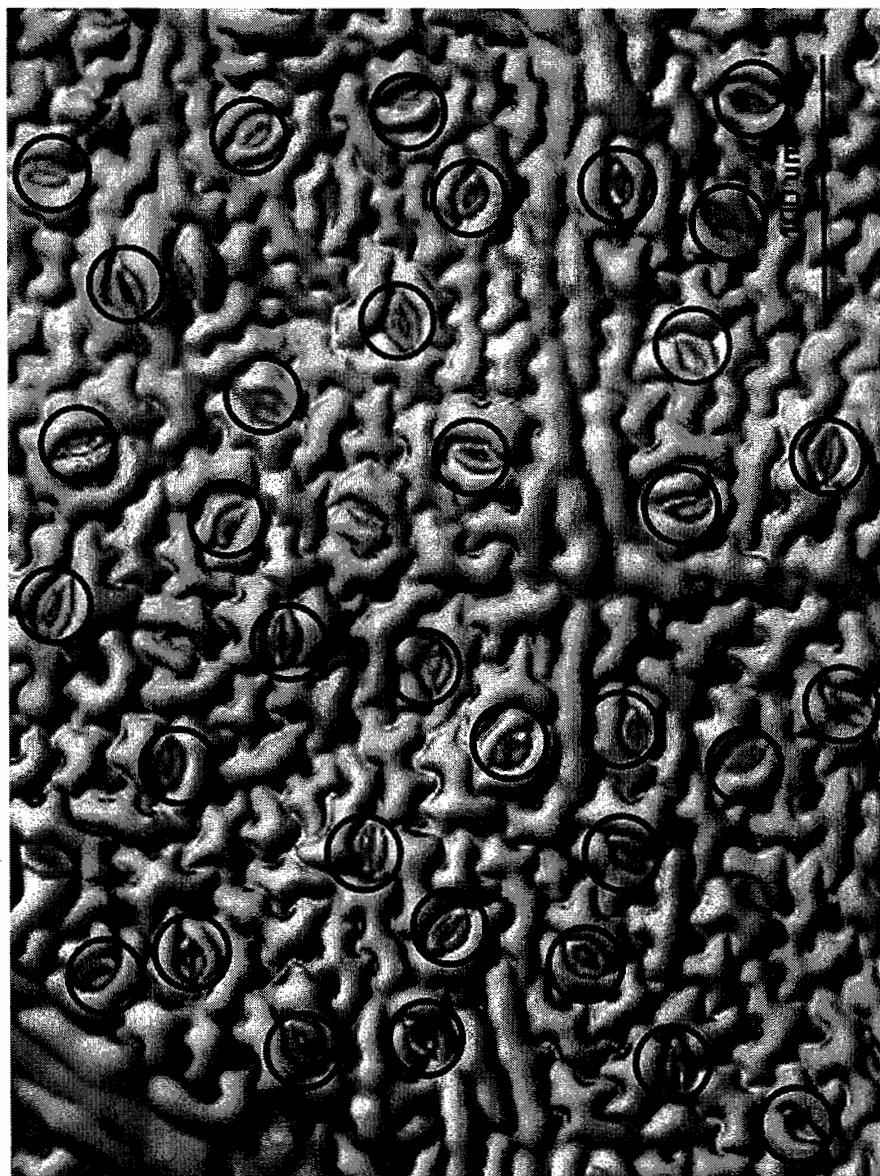
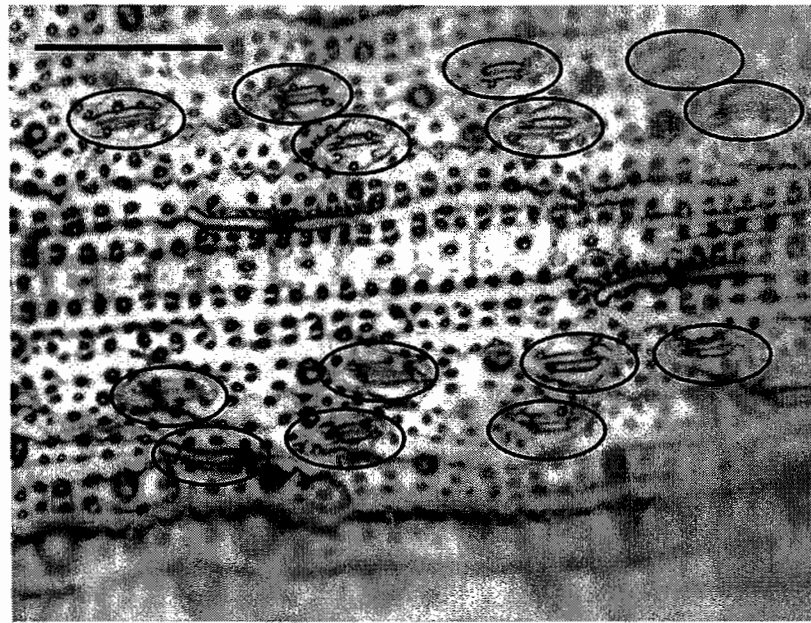


FIG. 39

(a)



(b)

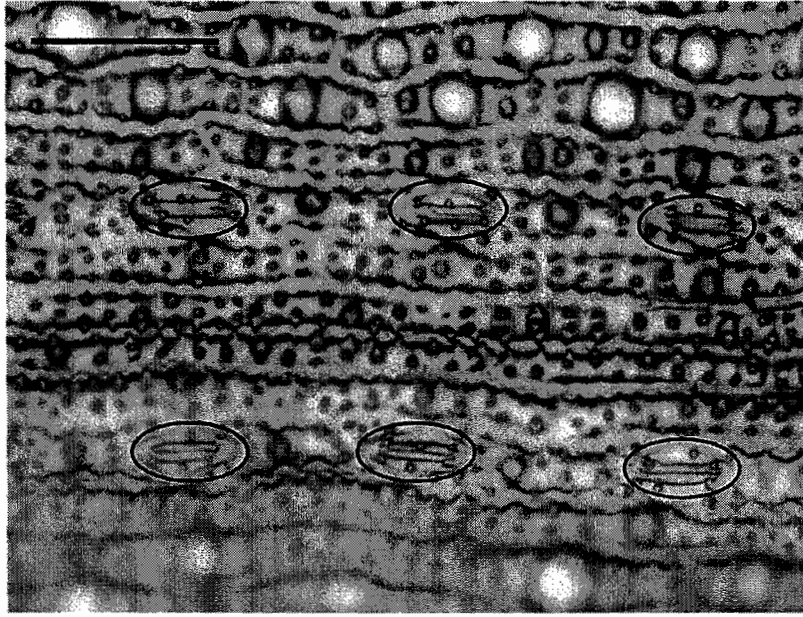


FIG. 40

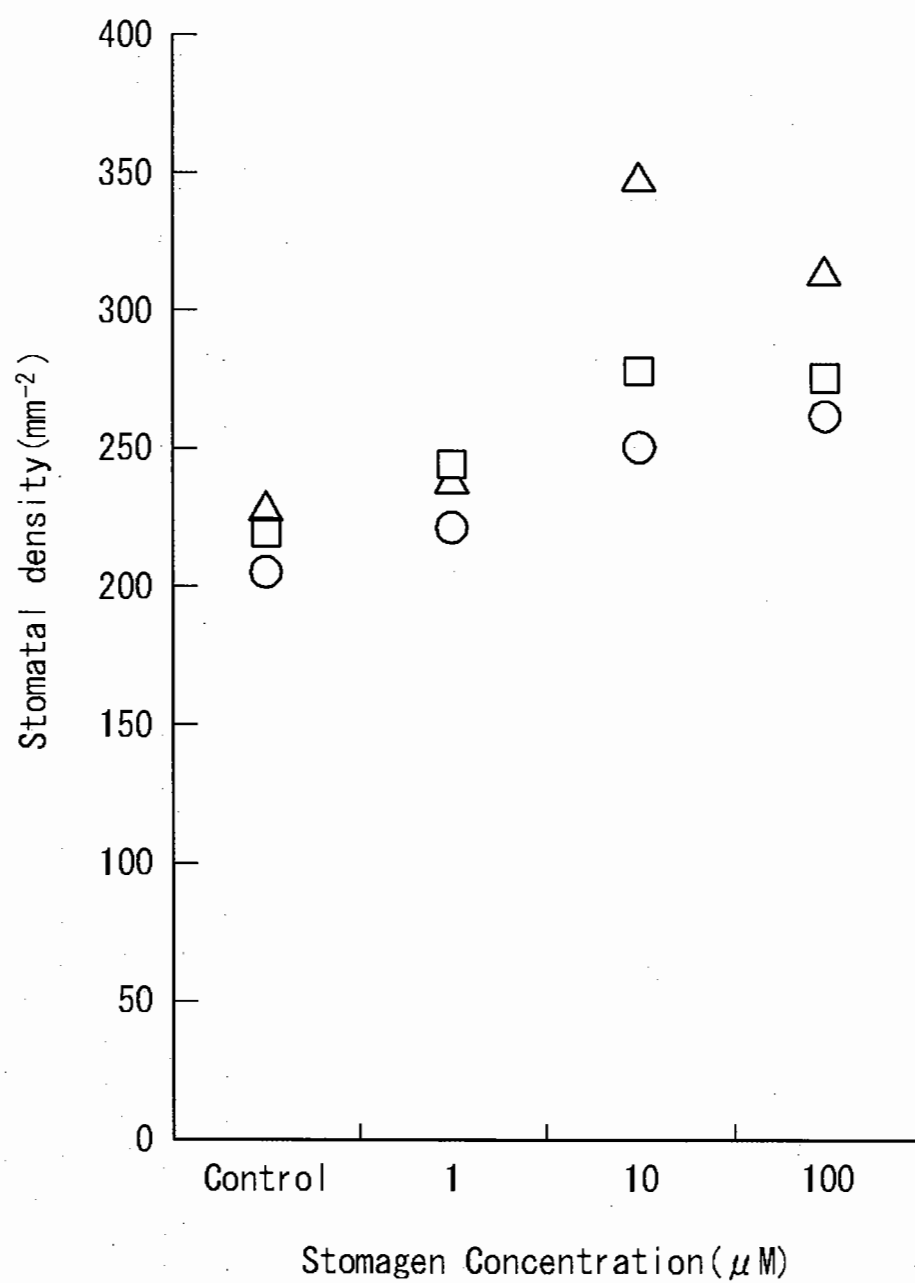
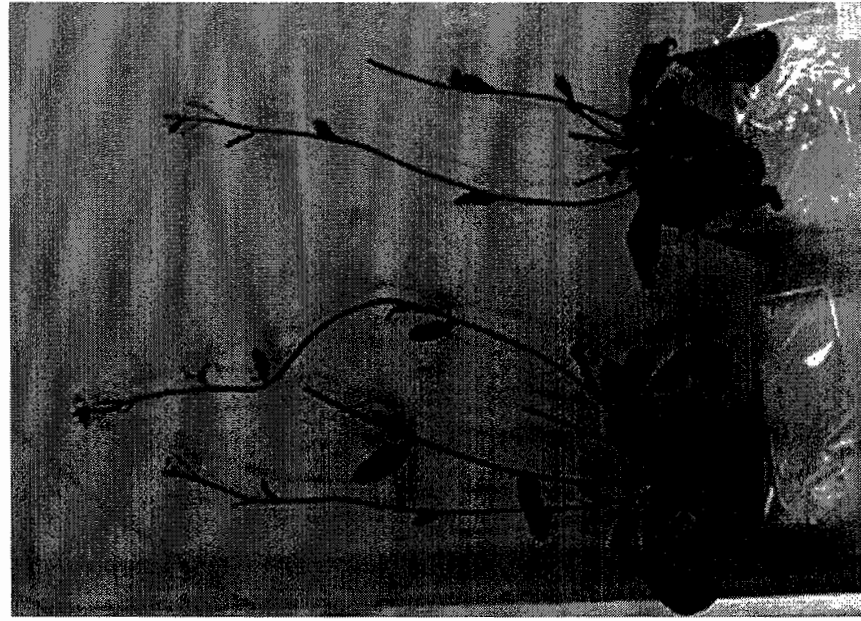


FIG. 41

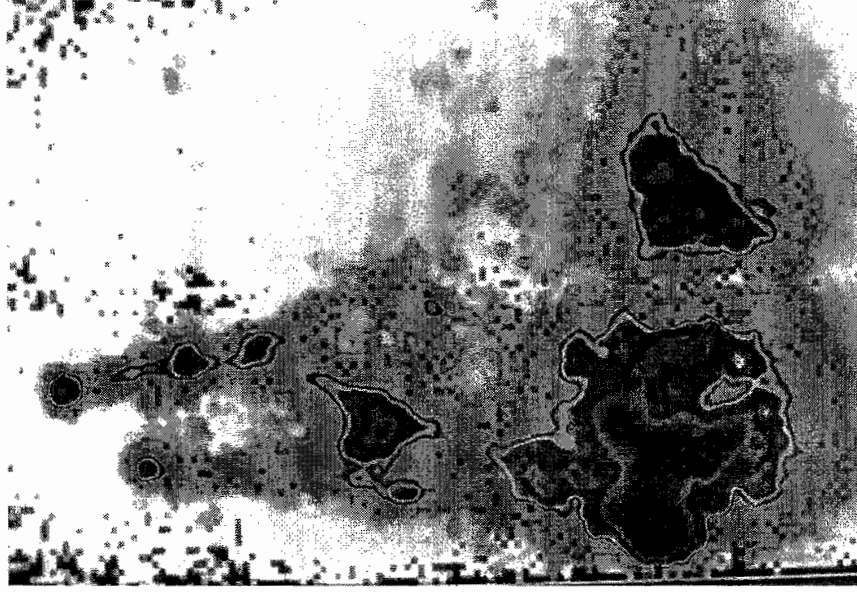
(a)



Wild-Type
Strain

Stomagen-silenced
line

(b)



Wild-Type
Strain

Stomagen-silenced
line

FIG. 42

