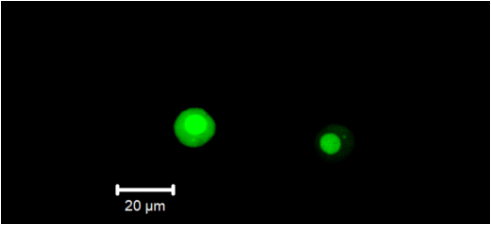
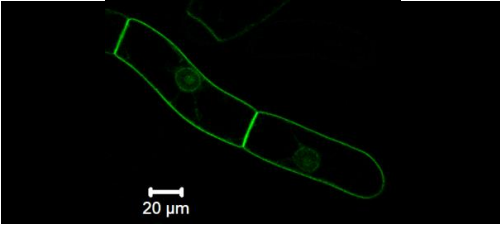

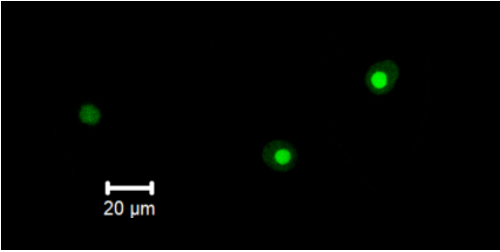

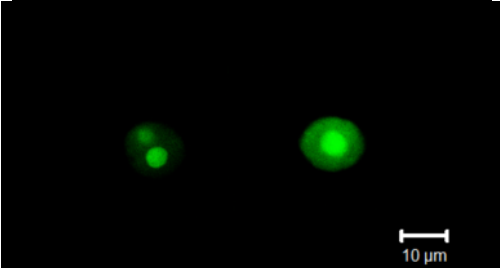
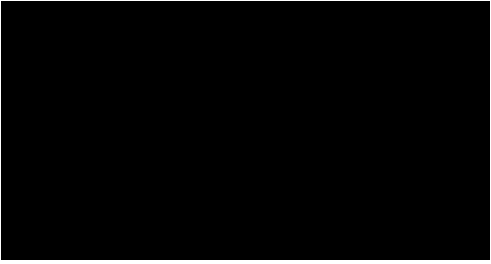
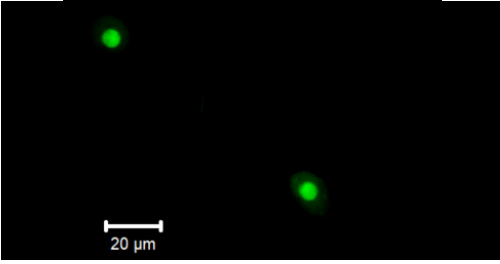
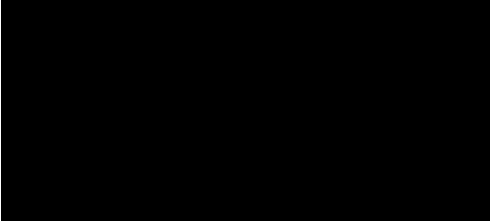
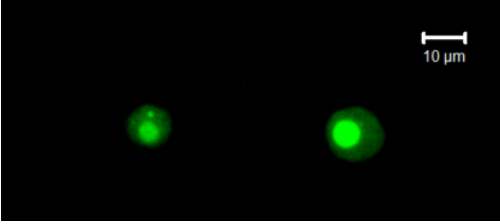
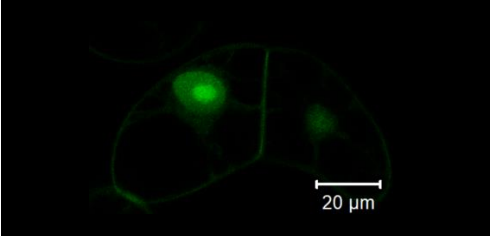
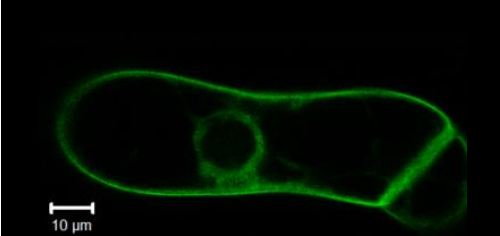
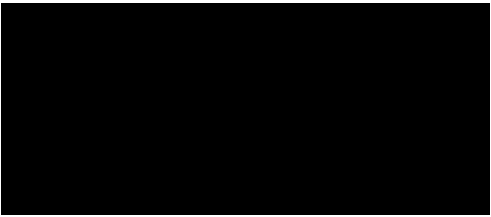
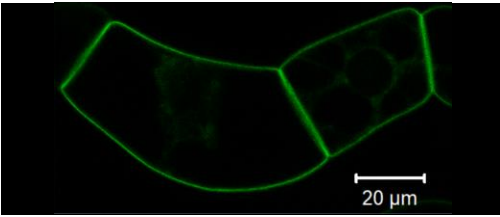


CONTROL				SCREEN
FOS-treated GFP-CaM-CVIL line		Treatment	Concentrations	Reversion assay on FOS-treated GFP-CaM-CVIL line
Blue		FOS + MeJA	100 μM/30 μM	
		FOS + ABA	100 μM/10 μM	
		FOS + IAA	100 μM/10 μM	
		FOS + NPA	100 μM/5 μM	
		FOS + kinetin	100 μM/10 μM	
Yellow		FOS + MeJA	50 μM/20 μM	
		FOS + Ethephon	50 μM/100 μM	

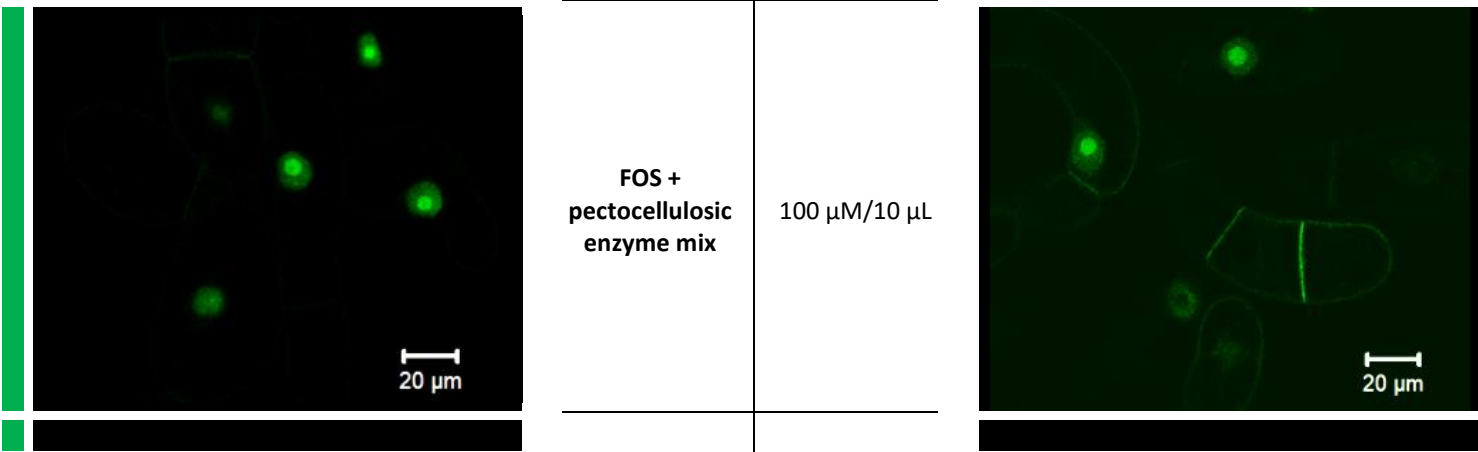


Figure S1. A selection of images gathered by assessing conditions that restore the fluorescence localization of GFP-CaM-CVIL in the plasma membrane in the presence of fosmidomycin (FOS). The pectocellulosic enzyme mix contained 3% Cellulase R10 (Yakult Honsha Co., Ltd, Japan), 0.2% Macerozyme (Yakult Honsha Co., Ltd, Japan), 0.1% Pectolyase (Yakult Honsha Co., Ltd, Japan). N-1-naphthylphthalamic acid (NPA), is a polar auxin transport inhibitor. ABA: abscisic acid; IAA: indole-3-acetic acid; MeJA: jasmonic acid methyl ester. The color on the left side indicates that pictures were taken on the same day and that the same batch of cells has been treated.

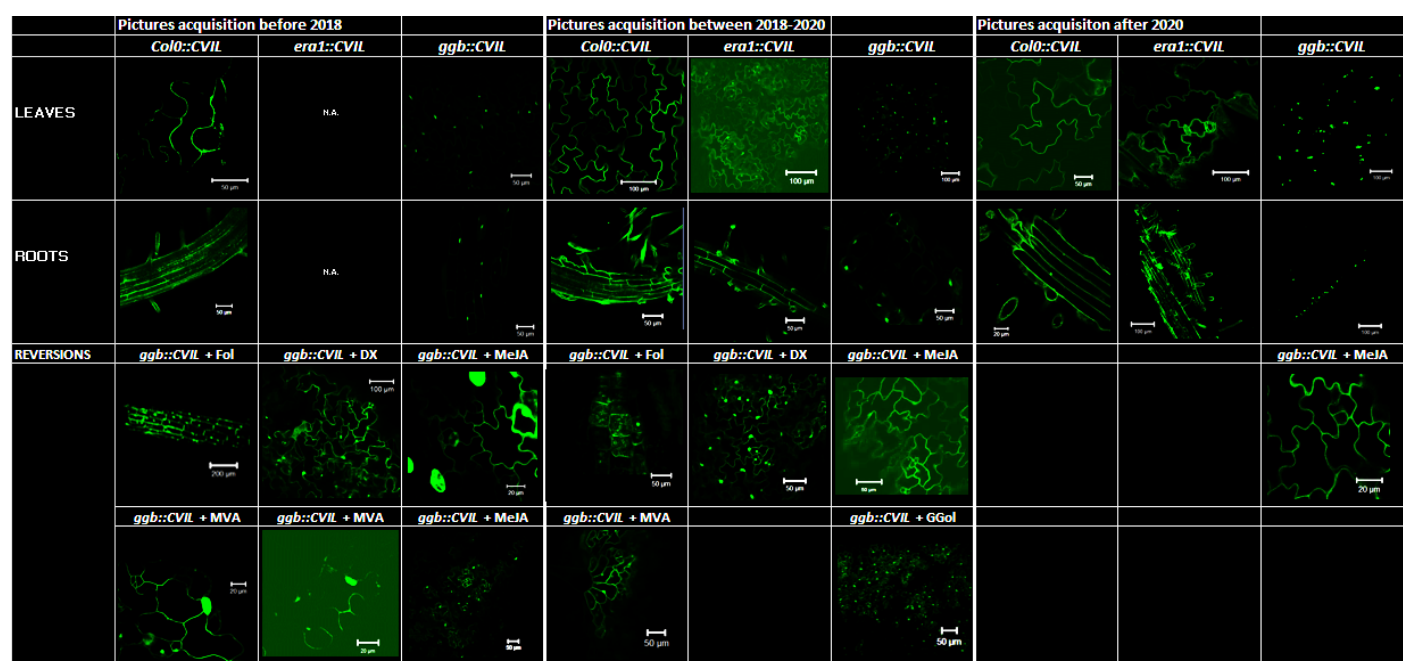


Figure S2. Expression and subcellular localization of GFP-CaM-CVIL proteins in Arabidopsis KO mutant lines over time. Note that over time, the *ggb* mutant remains the only mutant unable to prenylate the GFP-CaM-CVIL protein (nuclear localization). Reversions with farnesol (Fol), mevalonic acid (MVA) and MeJA compared to geranylgeraniol (GGol) and deoxy-D-xylulose (DX) are illustrated. N.A. not available.

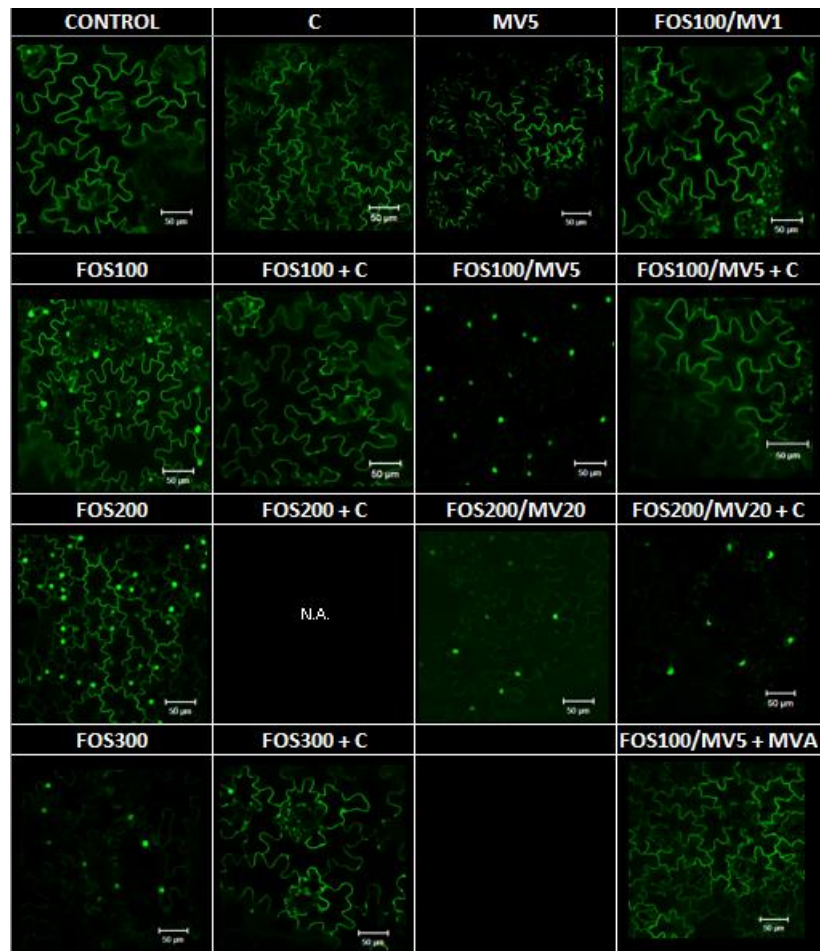


Figure S3. Determination of the concentrations of fosmidomycin (FOS) and mevinolin (MV) to be used to assess the ability of cellulase (C) to overcome prenylation inhibition in *Nicotiana tabacum* leaf disks. Fluorescent nuclei correspond to non-prenylated GFP-CaM-CVIL proteins, while membrane localization in tobacco epidermal cells corresponds to prenylated forms. FOS100 in combination of MV5 is sufficient to block completely protein prenylation (only the nuclei are labelled) and allows reversion with 0.5% of cellulase (FOS100/MV5 + C) illustrated by membrane localization alone. N.A. not available. The white bar represents 50 μm .

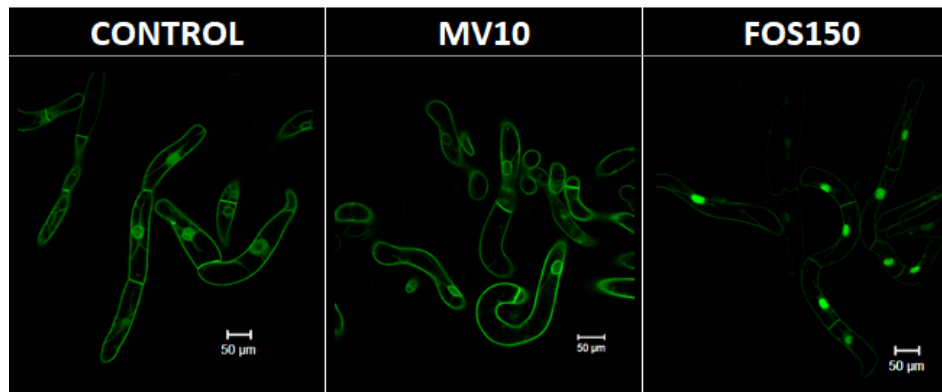


Figure S4. Mevinolin cannot delocalize the fluorescence of GFP-CaM-CVIL from the membrane into the nucleus. Tobacco BY-2 cells were treated for 3 hours with MV or fosmidomycin, before GFP-CaM-CVIL was induced by addition of 30 μ M of dexamethasone.