

(05-1-48)

## Transformation of vitamin C biosynthesis related genes

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### Objectives

To transform tomato and lettuce with *GalUR* and *GLOase* that are related to the vitamin C biosynthesis.

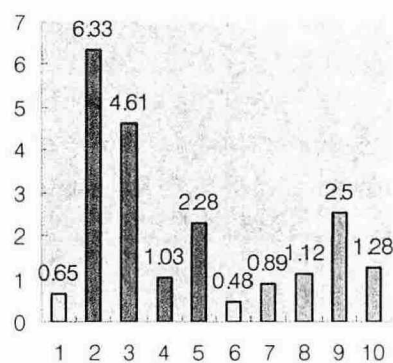
### Materials and Methods

-Materials: cotyledon explants from tomato inbred line and F1 lettuce; *Agrobacterium* strain and clone: EHA101/pGalUR3635 and LBA4404/pGLOase3635

-Method: *Agrobacterium*-mediated transformation

### Results and Discussion

We obtained transgenic tomato and lettuce plants transformed with *GalUR* and *GLOase*. They were grown in the plastic house and the content of vitamin C was analyzed. Generally, the vitamin C content from T generation was higher than the non-transformed plants.



Vitamin C content in lettuce transgenics (1, 6: control; 2, 3, 4, 5, 7, 8, 9, 10: transgenics).