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GFP Expression in the Callus of Cucurbitaceous Crop Obtained by *Agrobacterium*-Mediated Transformation

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Objectives

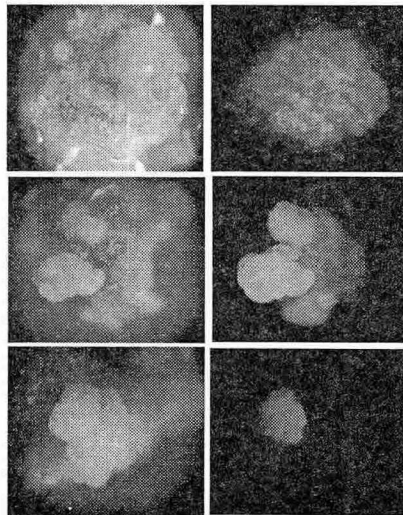
To examine the transformation efficiency of Cucurbitaceous crop, the *GFP* expression was monitored after inducing callus from the explant.

Materials and methods

1. Materials: Watermelon, watermelon rootstock, squash
2. methods: *Agrobacterium*-mediated Transformation by CIT (callus-induced transformation)

Results and Discussion

Transformation of Cucurbitaceous crop has been known as a very difficult task. We transformed the explant by *GFP* gene after inducing callus. The preliminary data showed the successful expression of *GFP* in callus.



GFP expressed watermelon callus

GFP expressed watermelon rootstock callus

GFP expressed squash callus

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