

## Experimental process of GmAGL1 transformation

- Method: Agrobacterium - mediated cotyledon method
- Marker gene: cp4-EPSPS
- Screening agent: glyphosate 5-10mg / L
- Plant Material: Jack

### Experimental steps

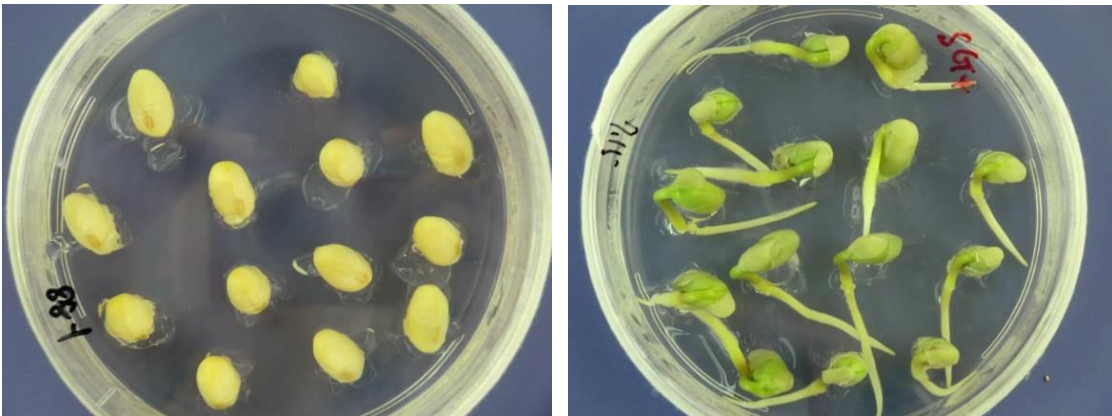
- 1、 Selected soybean seeds



- 2、 Seeds disinfection



### 3、 Seeds germination



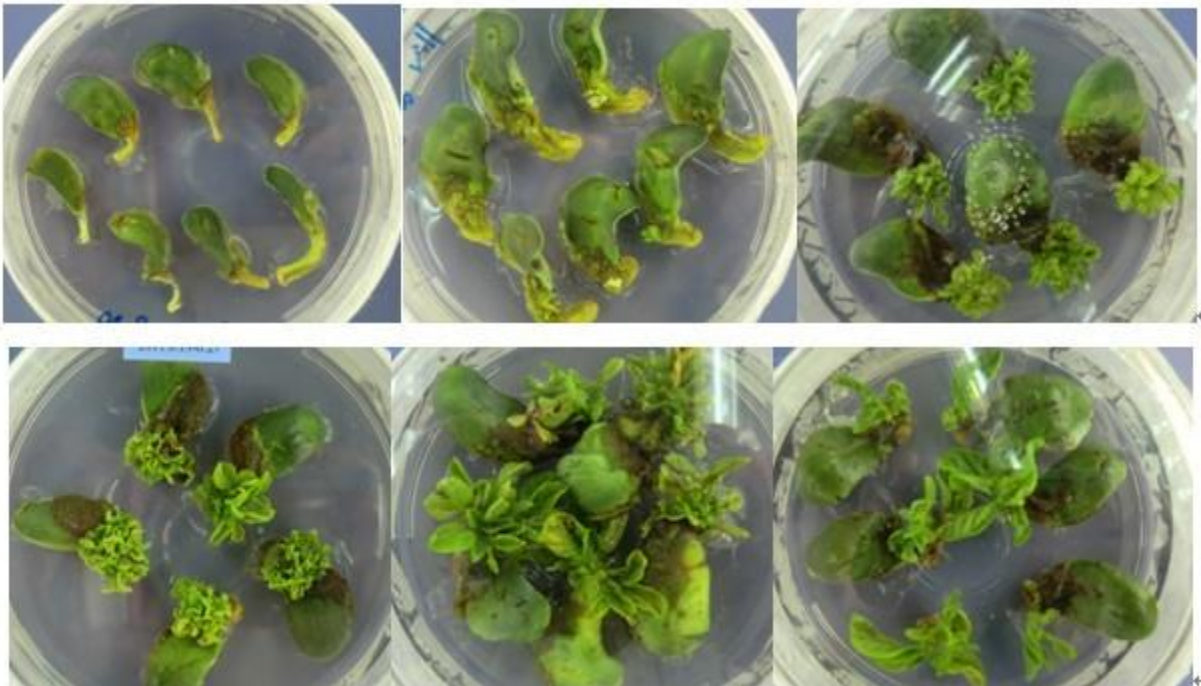
### 4、 Agrobacterium infection of soybean cotyledon



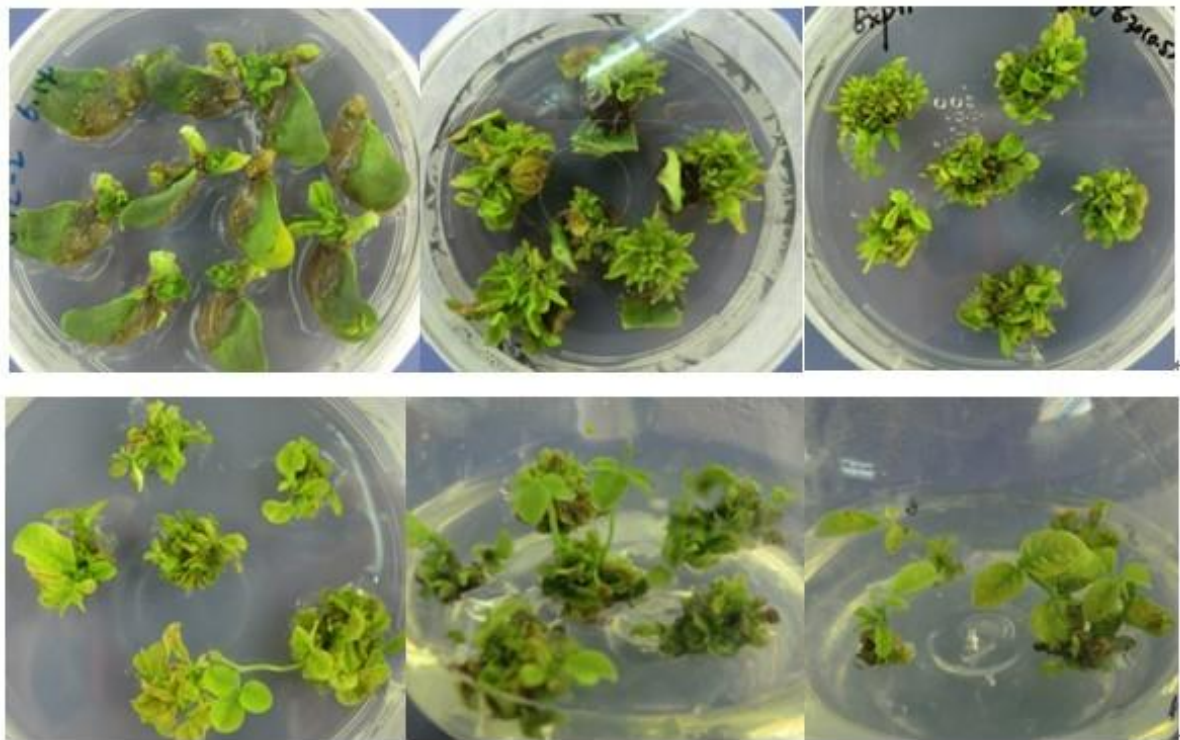
### 5、 Agrobacterium and soybean explants co-culture



## 6、 Shoots induction

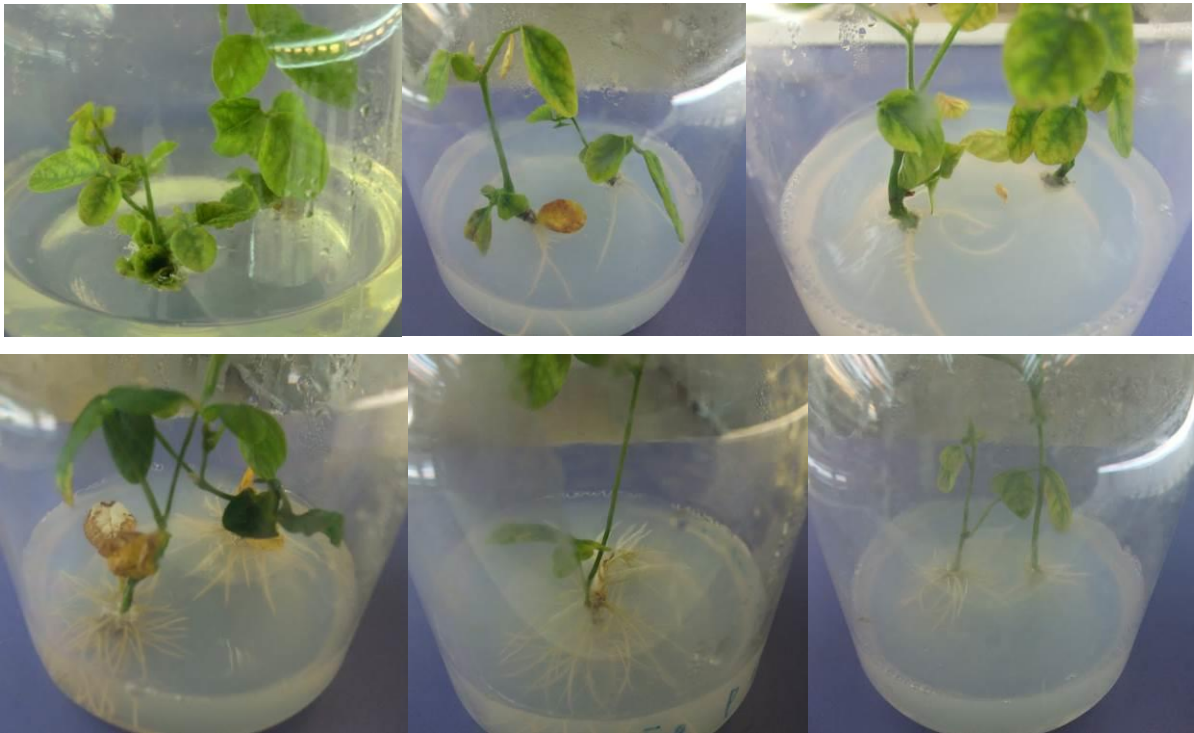


## 7、 Shoots elongation





8、 Tissue culture seedlings rooting



9、 Tissue culture plants indoor transplantation



10、 Pods of transgenic plants



11、 Detection of T0 generation transgenic plants

