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## Pepper Transformation by Disease Defense Related Genes

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### Objectives

To develop disease resistant peppers against pathogens

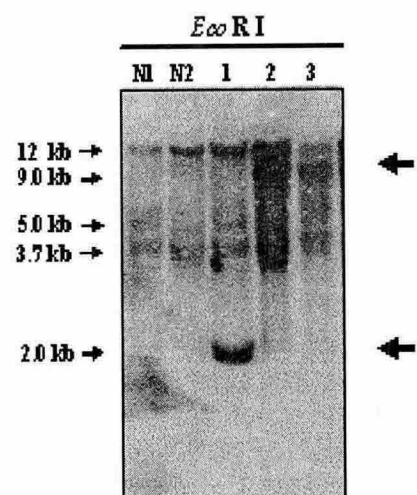
### Materials and Methods

Materials: - commercially important inbred lines

Methods : - *Agrobacterium*-mediated transformation by CIT & CMSF

### Results and Discussion

We transformed peppers with several genes related to pathogen resistance. Those genes are *CMV-CP*, *CaWRKY*, *CaSAR8.2*, *CaPF1*, *GalUR*, and *PPI1*. The transformation has been successfully worked out with the highly efficient transformation rate. Some of them have already gone to T1 generation to test the resistance.



Genomic Southern of To plants (*CaWRKY*)