

## **GRAPHICAL ABSTRACT**

## Exogenous Cytokinin Induces Callus and Protocorm-Like-Bodies (PLBs) Formation in *In Vitro* Root Tips of *Vanilla planifolia* Andrews

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## **Conventional Propagation Improved Propagation** Root tips (in vitro) Efficient regeneration from root tips Nodes using cytokinin, offering a promising · Low callusing rate approach for large scale production of • Destructive harvest high-yielding: High abundance of explant material • Low abundance of explant material per plant (aerial roots available at per plant (one per plantlet) almost every node, and can be cut into multiple pieces) Seed / Leaves · Low viability and long germination · Non-destructive harvest period.