

Supplementary Table S4. Study on *in vitro* production methods of *Gloriosa superba* L. via indirect organogenesis in various callus-derived explants^[1].

Sr. No	Explant(s) of interest	The best treatment for callus induction	Final goal	Best treatment for achieving the final goal	Shoot initiation percentage (%)
1	Nodal segments	MS basal media + 0.5 mg l ⁻¹ of IAA + 2 mg l ⁻¹ of BAP <u>Media conditions:</u> 15% coconut water, 0.8% (w/v) agar, pH of 5.8, 25±2°C, 16/8-hour light/dark	Shoot morphogenesis	MS basal media + 3.0 mg l ⁻¹ BAP <u>Media conditions:</u> 15% coconut water, 0.8% (w/v) agar, pH of 5.8, 25±2°C, 16/8-hour light/dark	-
2	Shoot tips	MS basal media + NAA 0.5 mg l ⁻¹ + BAP 2.0 mg l ⁻¹ <u>Media conditions:</u> 15% coconut water, 0.8% (w/v) agar, pH of 5.8, 25±2°C, 16/8-hour light/dark	Shoot morphogenesis	MS basal media + 3.0 mg l ⁻¹ BAP <u>Media conditions:</u> 15% coconut water, 0.8% (w/v) agar, pH of 5.8, 25±2°C, 16/8-hour light/dark	51.30%

*(-) means data was not documented in the study

REFERENCE

[1] Muruganandam C, Mohideen MK, Barathkumar TR. 2019. Studies on *in-vitro* propagation in glory lily (*Gloriosa superba* L.). *Annals of Plant and Soil Research* 21(2): 177-184.