

**Supplementary Table S12.** Permutation importance of predictors in the optimized model.

<b>Rank</b>	<b>Factor</b>	<b>Importance (Rooting rate)</b>	<b>Importance (Shooting rate)</b>
1	Explant type	Extremely high	Extremely high
2	NAA concentration	Extremely high	High
3	BA × NAA	High	High
4	BA concentration	Moderate	Moderate
5	Hormone ratio	Moderate	Moderate
6	Culture days	Moderate	Low
7	Total hormone	Low	Low

Notes: Importance calculated after hyperparameter optimization.