

对粉蓝烟草与矮牵牛体细胞杂种植株的进一步观察

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摘要 以亲本为对照, 观察了粉蓝烟草和矮牵牛的体细胞杂种植株的叶片、气孔和花粉, 发现杂种植株的叶片形态及其气孔大小、分布密度都与双亲有显著的差异。同时发现了杂种植株花粉的不育性。进一步证实了我们用原生质体融合的方法得到的植株是远缘杂种植株。

关键词

分类号

Further Observation of Somatic Hybrid Plant between *Nicotiana glauca* and *Petunia hybrida*

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Abstract

Observation was made on the leaf morphology, stomata and pollen of the somatic hybrid plants and their parents, *N. glauca* and *P. hybrida*. There are significant differences between the hybrid plant and its parents in leaf morphology, stoma size and its density on the leaf. We also discovered that the pollen of the hybrid plants were of sterility. From all these results it was further proved that the plants obtained by protoplast fusion between *N. glauca* and *P. hybrida* were distant hybrid plants.

Key words

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