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Research Progress on Chloroplast Genome of Moraceae Plant

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Abstract: Chloroplast genomes are characterized by semi-autonomy and maternal heredity. Revealing plant chloroplast genome played an important role in the study of origin, phylogeny, identification and classification of species in plant. The chloroplast genome of Moraceae plants had a double chain structure, composed of four parts, including a large single-copy (LSC), a small single-copy (SSC), and two inverted repeat (IRs). SSRs and SNPs, and codon use D preference are found in chloroplast genome. The present status, applications, and developing trends of chloroplast genome research of Moraceae plants were briefly summarized in this review. It provided a reference for further understanding the functional mechanism of chloroplast in Moraceae plants.

Keywords: Moraceae plants; chloroplast genome; systematic evolution

桑科植物有哪些?

信息广角

桑科植物是荨麻目的一个大科,这个科大约有 53 个属,1 400 多个品种,主要常见的桑科植物无花果、桑树、菠萝蜜、构树等,桑科植物大多都是乔木灌木或藤本植物,分布在热带或亚热带地区的桑科植物较多。常见的桑科植物有:

1 无花果

常见的桑科植物中无花果较为熟悉,这是一种果实可以食用的落叶灌木植物,在我国很多地方都有栽培,它的整个植株可以长得非常高大,有很多分枝,它的果实是生活中常见的一种水果,营养丰富。

2 桑树

桑树也是常见的一种桑科植物,在我国中部最为常见,大约有 4 000 的栽培历史,是一种非常古老的桑科植物,它属于落叶乔木,植株高大挺拔,每年 4 月开花,夏季结果,果实是人们非常熟悉且较为受欢迎的桑葚。

3 菠萝蜜

这是桑科菠萝蜜属的一种常见果树,主要分布在热带地区,是常绿乔木,它结出的果实非常有特点,个大饱满,外面有坚硬的刺,里面的果实清香可口,粒大饱满,具有较高的营养价值,是生活中非常受欢迎的水果。

4 构树

构树在我国分布非常广泛,野生和人工栽培都有,属于一种落叶乔木,构树的叶子边缘有细小的锯齿,开出的花是雌雄异株,结出的果实非常小,成熟期为橙红色,它的种子和根皮可以被药用,对人的身体有一定好处。

(来源:植物之家)