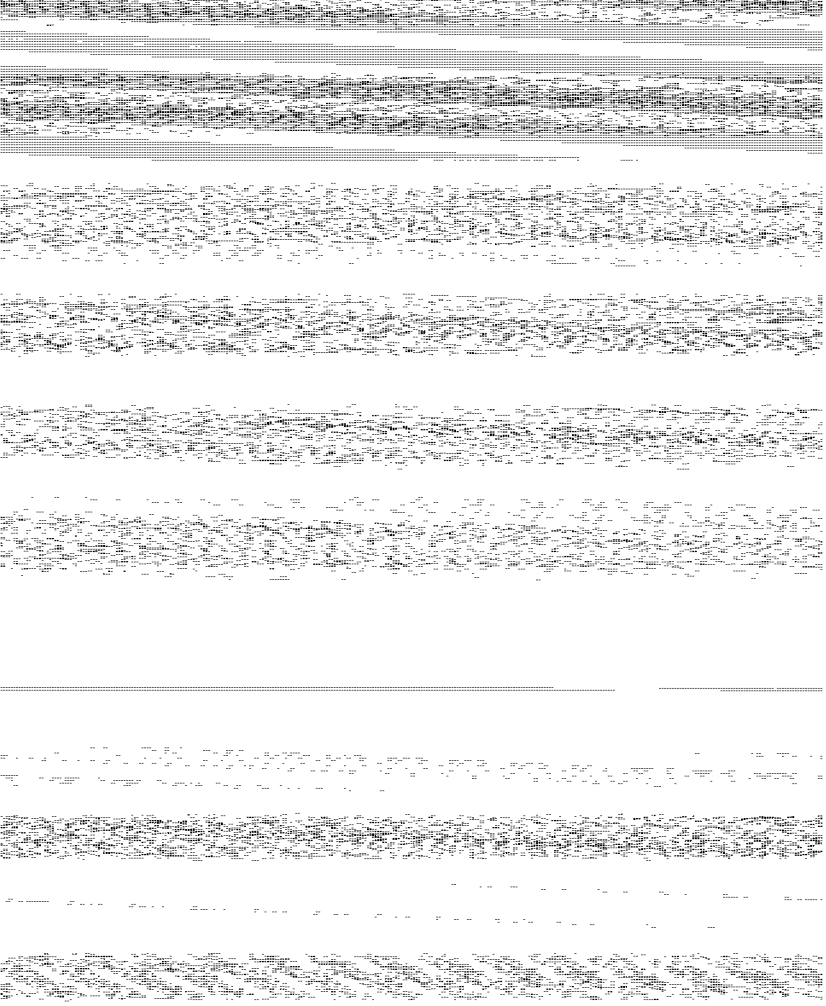

M NaOAC 和 2 倍体积预冷的无水乙醇混匀,−20 ℃放置 30 min,这时 DNA 成白色纤维状物质。用钩捞出(或离心,同上)纤维状物质,70%乙醇漂洗,吸水纸吸干,溶于 300 μL TE 溶液中,4 ℃短期或−20 ℃长期保存。

2　实验结果

取 5 μL DNA 在 0.8%琼脂糖凝胶上电泳,EB(溴化乙锭溶液)染色观察如图 1。提出的 DNA 分子量均大于 30 kb,用内切酶 Hind Ⅲ按常规酶切(5 μg DNA,20 U Hind Ⅲ,37 ℃过夜)。结果显示该方法提出的 DNA 可被完全酶解,且完全符合 RFLP 分析的要求。这将为杉木的遗传图谱的构建和林木改良打下基础。

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A Simple and Modified Procedure to Extract Total DNA from Leaves of *Cunninghamia lanceolata*

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Abstract　A simple and modified procedure to extract the total DNA from leaves of *Cunninghamia lanceolata* is presented. The molecular weight of DNA extraction is higher (more than 30 kb). Digestion with the endonuclease enzyme Hind Ⅲ is complete, which indicated the feasiability of this procedure in RFLP analysis in *Cunninghamia lanceolata*.

Key words　*Cunninghamia lanceolata*, DNA extracting, enzymolysis

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