KAPABIOSYSTEMS

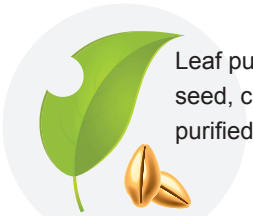
Evolved to solve.
Direct PCR from plant tissue.

KAPA3G Plant PCR Kits

做植物 PCR
終於有更好的選擇啦！

簡便省時：不需抽取植物 **DNA**，直接進行 **PCR**
高成功率：對植物抑制劑 **(** 如：**polyphenolics)** 有高耐受性，**PCR** 成功率高
速 度 快：可應用於大量轉殖基因 **(GMO)** 植物的檢測
靈敏度高：只需非常少量的組織，且不需研磨成粉末
應用性廣：**PCR** 產物還可以做 **T/A Cloning**

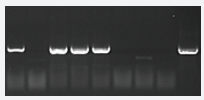
簡便的實驗流程



Leaf punch, crushed seed, crude extract, or purified plant DNA.

Add plant tissue or template directly to PCR

Fast PCR 45 min



Gel electrophoresis

Cat No	Product	Size
KK7251	KAPA3G Plant PCR Kit	250 x 50 μL rxn
KK7252	KAPA3G Plant PCR Kit	500 x 50 μL rxn

ANTEC Bioscience Inc.
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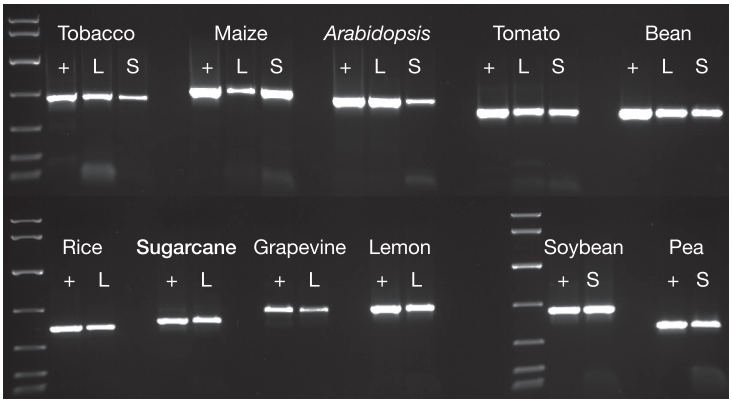
A/UV020403

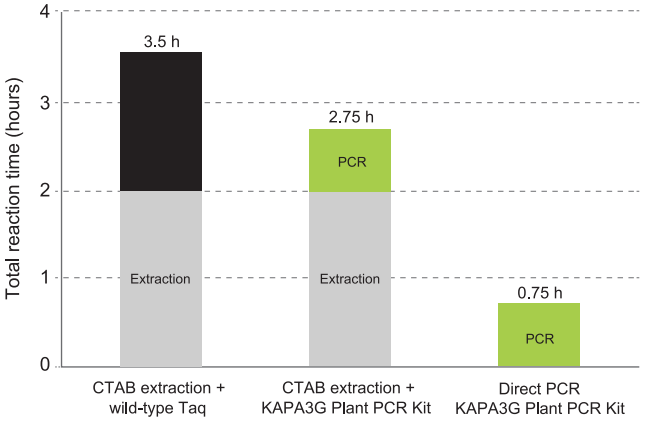
從葉片、種子和其他植物組織中直接進行 PCR



各種植物、不同組織皆可獲得良好結果

PCRs (50 μL) contained the crude sample or 1-10 ng purified DNA (depending on the species), and 40 cycles were performed in all cases. Targets ranged between 500 and 900 bp, and reaction products were analyzed in a 1% agarose gel. KAPA Express DNA Ladder (100, 200, 400, 800, 1600, 4000, 8000 bp) was used as a MW marker.

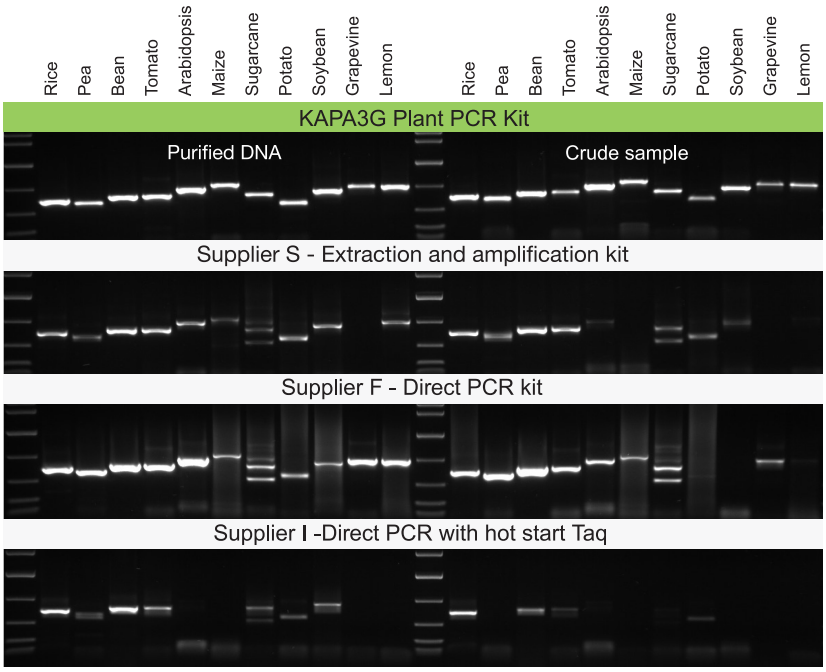
大量節省您寶貴的實驗時間



傳統方法 (CTAB) 耗時、費力 (萃取 DNA+PCR 約需 3.5 小時)，KAPA3G Plant PCR Kit 僅需 45 分鐘即可完成 PCR。

CTAB-extracted DNA and crude samples were used as templates in 50 μL PCRs, with 40 cycles of amplification. Direct PCR with the KAPA3G Plant PCR Kit was completed in 45 min. In contrast, the CTAB extraction protocol required ~2 h, and the amplification with wild-type Taq 1.5 h to complete.

KAPA3G Plant PCR Kit 較其他廠牌 Taq 具有更高靈敏度



KAPA3G Plant PCR Kit 與它牌的試劑結果比較

不論純化過的 DNA 或是粗粹取的樣本成功率均勝出

Purified DNA (1-10 ng per reaction, depending on species) and crude samples were used as templates in 50 μL PCRs, with 40 cycles of amplification. Targets ranged between 500 bp and 900 bp and reaction products were analyzed in a 1% agarose gel.

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