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(54) Title: TISSUE SEPARATION METHOD

(57) Abstract: The invention relates to a method for non-destructively sampling individual seeds in a population of seeds. In one embodiment, the invention relates to an efficient, high throughput method for removing contaminating tissue from the other seed material. The methods of the invention are useful for determining the genotype of a seed and the detection of a genetic marker or genetic trait. The methods of the invention comprise removing maternal tissue, such as seed coat or pericarp from the seed, and analyzing the remainder of the seed. The methods of the invention reduce the degree of ambiguity in the genetic tests because complicating maternal tissue has been removed.



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