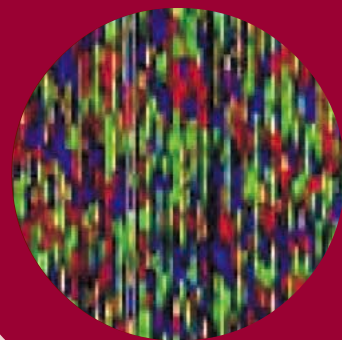




NBS profiling: a powerful tool to speed up resistance breeding

The Wageningen Genomics Facility

Resistance to pest and diseases is very important for sustainable agriculture. Often resistances are not present in the high yielding cultivars, but need to be introduced from wild relatives. We have developed a new tool, NBS profiling, to generate markers that can facilitate this introgression of resistance.



Technologies

NBS profiling is a gene-targeting marker system that efficiently produces multiple markers in or close to genes of interest. These markers can be either directly used in the breeding program using the NBS profiling protocol or converted into 'easy to use' gene-specific PCR markers. NBS profiling is 'ready to use' in a large number of crops and has already been successfully applied in e.g. potato, tomato, lettuce, rice, wheat, apple and rose.



What's in it for you?

- An effective tool to produce markers tightly linked to genes that confer resistance to specific pathogens
- A tool to identify putative new sources of resistance in germplasm
- A new tool for variety identification, specifically for crops with a strong focus on disease resistance breeding

More information:

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