

Extended metAFLP approach in studies of the tissue culture induced variation (TCIV) in case of triticale

Molecular Breeding

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Online Resource 5 Explanation of the genetic background of the '0110' 4-digit code. Such a situation may take place only if the DNA of a donor plant has a single restriction site recognized by *Acc65I-KpnI* endonucleases, and it is methylated (in red). In case of the same fragment in the regenerant two consecutive restriction sites recognized by *Acc65I* and *KpnI* endonucleases are present. The inner site is methylated (in red), and the outer (in blue) one is not. Digestion of the donor and regenerant DNAs by the two AFLP platforms will result in '0110' and '0001' codes; however, the former one reflect sequence change and demethylation taking place simultaneously.

