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INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS GENEVA

WORKING GROUP ON BIOCHEMICAL AND MOLECULAR TECHNIQUES AND DNA PROFILING IN PARTICULAR

Twelfth Session Ottawa, Canada, May 11 to 13, 2010

ADDENDUM

EVALUATION OF SIMPLE SEQUENCE REPEAT (SSR) MARKERS FOR IDENTIFICATION OF PEA VARIETIES REGISTERED IN CANADA

Document prepared by experts from Canada











Method
• 1 st step
 Evaluate a set of 38 markers with a subset of varieties to further select and optimize a final set of 12 to be used for pea varietal differentiation
 2nd step Validate the 12 markers using reference DNA extracted from 10 individual seeds representing ~110 pea varieties registered in Canada PCR products were ran on an ABI capillary sequencer Allele scored were imported in a binary format into BioNumerics (Applied Maths) for analysis
Canadian Food Agency Agence canadiane dissection des aliments

























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