

Phillips, R.L., Vasil, I.K. (ed.): **DNA-Based Markers in Plants**. (Advances in Cellular and Molecular Biology of Plants. Vol. 1.). - Kluwer Academic Publishers, Dordrecht - Boston - London 1994. 384 pp. ISBN 0-7923-2714-4.

Kluwer Academic Publishers decided to open new series Advances in Cellular and Molecular Biology of Plants. The aim of the series is to chronicle the most important advances in the cellular and molecular biology of plants, and above all to stimulate further interest and research in the plant science. This volume brings in its first part (chapters 1 - 6) theoretical and application bases of RFLP technology, constructing a plant genetic linkage map with DNA markers, mapping quantitative trait loci, breeding multigenic traits and provides consideration about nuclear DNA markers in systematics and evolution. Second part of the book records the latest version of DNA-based marker maps for many important crop species (alfalfa, *Arabidopsis thaliana*, barley, *Brassica*, lettuce, maize, peanut, common bean, potato, rice, *Sorghum bicolor*, soybean, tomato, bread wheat and oat). The book is intended to provide solid base to researchers as well as to students to gain understanding of genetic linkage and to apply that knowledge.

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