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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Transgene silencing / Ann Depicker, Matthew Sanders and Peter Meyer -- RNA interference : double-stranded RNAs and the processing machinery / Jan M. Kooter -- RNA-directed DNA methylation / Marjori Matzke ... [et al.] -- Heterochromatin and the control of gene silencing in plants / G. Reuter, A. Fischer and I. Hofmann -- When alleles meet : paramutation / Marieke Louwers, Max Haring and Maike Stam -- Genomic imprinting in plants : a predominantly maternal affair / Ueli Grossniklaus -- Nucleolar dominance and rRNA gene dosage control : a paradigm for transcriptional regulation via an epigenetic on/off switch / Nuno Neves, Wanda Viegas and Craig S. Pikaard -- Virus-induced gene silencing / Tamas Dalmay -- MicroRNAs : micro-managing the plant genome / Sandra K. Floyd and John L. Bowman.
Sommario/riassunto	With the discovery of RNAi pathways and the histone code, epigenetics has become a popular and fast evolving research topic. Plant science has made a number of elementary contributions to this field, and the common elements of epigenetic systems have linked research groups

interested in plant, fungal and animal systems.This volume provides a comprehensive overview epigenetic mechanisms and biological processes in plants, illustrating the wider relevance of this research to work in other plant science areas and on non-plant systems. It discusses recent advances in our knowledge