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and Genome Evolution""2. MECHANISMS AND FUNCTIONS OF EPIGENETIC REGULATIONS IN THE PLANT GENOME ""; ""2.1. DNA Methylation Is a Critical Component in the System of Epigenetic Modifications in Plants""; ""2.2. Histone Modifications and DNA Methylation Are Interdependent ""; ""2.3. Chromatin Remodeling Shapes Chromatin Structure and Complements DNA and Histone Modifications""; ""3. EPIGENETIC MODIFICATIONS a€? A STRESS-RESPONSIVE MECHANISM CONTROLLING GENE REGULATION AND GENOME STABILITY""

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""THE GENERAL STRESS RESPONSE ""

Sommario/riassunto

This work looks at how genome stability depends on the complex interaction of predefined and environmentally induced genetic and epigenetic states. It describes various phenomena associated with the maintenance of genome stability, including genetic and epigenetic responses to various stresses in exposed cells and organisms.
