Record Nr. UNINA9910778005803321 Autore Vaniushin B. F. **Titolo** DNA methylation in plants [[electronic resource] /] / Boris F. Vanyushin, Vasili V. Ashapkin Pubbl/distr/stampa New York, : Nova Biomedical Books, c2009 **ISBN** 1-60876-414-1 Descrizione fisica 1 online resource (164 p.) Altri autori (Persone) AshapkinVasili V Disciplina 572.8/2 Soggetti Plant biochemical genetics **DNA** - Methylation Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. ""DNA METHYLATION IN PLANTS""; ""NOTICE TO THE READER""; Nota di contenuto ""CONTENTS""; ""PREFACE""; ""INTRODUCTION""; ""IS THE CYTOSINE DNA METHYLATION AT ALL IMPORTANT?""; ""ARE TRANSPOSABLE SEQUENCES SILENCED BY CYTOSINE METHYLATION?""; ""ARE MULTICOPY GENES SILENCED BY CYTOSINE METHYLATION?""; ""IS GENE SILENCING ALWAYS ASSOCIATED WITH THEIR METHYLATION?""; ""ARE THE EPIGENETIC CHANGES INHERITABLE?""; ""CYTOSINE DNA-METHYLTRANSFERASES: HOW MANY OF THEM ARE NEEDED?""; ""1. MET1 IS A MAJOR CPG-SPECIFIC MAINTENANCE PLANT DNA-METHYLTRANSFERASE"" ""2. CHROMOMETHYLASE IS A PLANT SPECIFIC DNA-METHYLTRANSFERASE""""3. DRM ARE THE PLANT DE NOVO DNA-METHYLTRANSFERASES""; ""ARE THERE SIGNALS FOR THE DE NOVO DNA METHYLATION?""; ""IS DNA METHYLATION ITSELF REGULATED BY DNA METHYLATION?""; ""H3 HISTONE METHYLATION OR HOW DNA METHYLATION PATTERNS ARE ESTABLISHED AND MAINTAINED?"": ""IS DSRNA AN ANOTHER WAY OF ESTABLISHING DNA METHYLATION PATTERNS?"": ""ADENINE DNA METHYLATION"": ""N6-METHYLADENINE IN DNA OF EUKARYOTES""; ""ADENINE DNA-METHYLTRANSFERASES"";

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""CONCLUSION""