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Nota di contenuto	Cover; Title page; Copyright Page; Contents; List of Contributors; Preface; Section A - General Aspects of Plant Transcription Factors; Chapter 1 - Introduction to Transcription Factor Structure and Function; 1.1 - Introduction: Transcription in eukaryotes; 1.2 - Structure of transcription factors; 1.3 - DNA recognition by transcription factors; 1.4 - DNA-binding domains; 1.5 - Protein-protein interactions; 1.6 - Regulation of transcription factor action; 1.7 - Plant transcription factors; Acknowledgments; References; Chapter 2 - Methods to Study Transcription Factor Structure and Function 2.5.1 - Methods for Protein-Protein Complex Identification 2.5.1.1 - Yeast Two-Hybrid Assay (Y2H); 2.5.1.2 - Tandem and One-step Tag-Based Affinity Purification; 2.5.2 - Methods for Verification of Protein-Protein Interactions; 2.5.2.1 - Coimmunoprecipitation; 2.5.2.2 - In Vivo Split Methods; 2.5.2.3 - Resonance Energy Transfer Methods; Acknowledgments; References; Chapter 3 - General Aspects of Plant Transcription Factor Families; 3.1 - Introduction; 3.2 - Overview of the transcription cycle in eukaryotes; 3.2.1 - Core Promoter Elements and General Transcription Factors

3.6 - Plant-specific TF families

Sommario/riassunto

Plant Transcription Factors: Evolutionary, Structural and Functional Aspects is the only publication that provides a comprehensive compilation of plant transcription factor families and their complex roles in plant biology. While the majority of information about transcription factors is based on mammalian systems, this publication discusses plant transcription factors, including the important aspects and unifying themes to understanding transcription factors and the important roles of particular families in specific processes. Provides an entry point for transcription factor literature