



Functional genomic of receptor kinases in Solanum chacoense

By Germain, Hugo

Condition: New. Publisher/Verlag: VDM Verlag Dr. Müller | mechanistic of plant receptor kinase signaling | This book is a must-read for scholars and academics starting research on plant receptor kinases. The first chapter details the mechanistic of plant receptor kinase structure and activation and details the roles of each domain and their properties and compares it with what is known of receptor animal kinase activation. The following chapters present an extensive review of small putative signaling peptides that could potentially bind receptor kinase and a subtraction method for EST sequencing to enrich in weakly expressed mRNAs. The last two chapters present a case study of two novel plant receptor kinases discovered using the subtraction method followed by a thorough functional analysis using biochemical, histochemical and transgenic approaches in the context of ovules and fruit development in plants. | Format: Paperback | Language/Sprache: english | 300 gr | 220 pp.

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