عنوان مقاله:

Isolation, Cloning and Identification of miR165a of Brassica juncea

محل انتشار:

دومین همایش بیوتکنولوژی کشاورزی (سال: 1388)

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نویسندگان:

Ramin Mahmoud Reza - *Department of Biotechnology, Jamia Hamdard University, New Delhi, India*

Das Sandip - *Department of Biotechnology, Jamia Hamdard University, New Delhi, India*

خلاصه مقاله:

MicroRNAs (miRNA), the small non-coding RNA molecules have very important role in regulation of gene expression. This impact is both in animal and plant cells. This gene through the regulation of Homeodomain Leucine zipper (HD-ZIP) genes causes the regulation of plant development, such as formation of adaxial and abaxial leaf surface, vein formation, and meristematic formation. miRNAs and Fbox proteins regulate numerous plant developmental processes including leaf development, patterning and polarity, floral identity and flower development, flowering time, developmental phase transition, shoot and root development, vascular and plastid development and hormone signaling for plant development In this study, the research was done through the analysis of miR165a of Brassica juncea. Firstly, the genomic DNA was isolated from Brassica juncea and then using desired primers miR165a gene was amplified

کلمات کلیدی:

miRNA, Brassica juncea