

عنوان مقاله:

MicroRNA-mediated Resistance to Plant Viruses

محل انتشار:

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خلاصه مقاله:

MicroRNAs (miRNAs) are 20-24 nucleotide small RNAs which are processed from nuclear-encoded transcripts.miRNAs control the expression of target transcripts by cleaving or translational inhibition of the target RNAs.Artificial microRNAs (amiRNAs) are modified endogenous miRNA precursors in which the miRNA: miRNA duplexis replaced with sequences to silence a target gene. amiRNAs are used as new transformation techniques in eukaryotesand have been proven to be more effective in specificity and stability than other RNA-mediated gene silencingmethods. amiRNA-based antiviral defense is an effective and new approach to engineer resistance to plant .viruses.Here, we summarize the role of miRNAs in resistance to plant viruses

کلمات کلیدی: amiRNA, Gene silencing, miRNA, Plant viruses, Resistance

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