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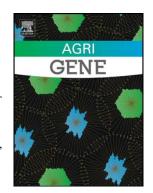
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## **ACCEPTED MANUSCRIPT**

Genome-wide identification and characterization of the R2R3MYB transcription factor superfamily in eggplant (Solanum melongena L.)

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#### **Abstract**

The R2R3MYB proteins comprise one of the largest families of transcription factors and play regulatory roles in developmental processes and defense responses in plants. However, limited comprehensive genomic and functional analyses of these genes in eggplant (*Solanum melongena* L.) have been performed. In this study, 73 *R2R3MYB* genes were identified in the recently released eggplant genome and further classified into 20 subgroups based on the phylogenetic analysis of their complete protein sequences. Phylogenetic comparisons of this superfamily's members among eggplant, tomato, *Arabidopsis*, grape, rice, poplar, soybean, cucumber and apple

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