

Accepted Manuscript

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PII: S2352-2151(16)30037-X
DOI: doi: [10.1016/j.aggene.2016.09.006](https://doi.org/10.1016/j.aggene.2016.09.006)
Reference: AGGENE 26

To appear in: *Agri Gene*

Received date: 7 April 2016
Revised date: 23 September 2016
Accepted date: 23 September 2016

Please cite this article as: , Genome-wide identification and characterization of the R2R3MYB transcription factor superfamily in eggplant (*Solanum melongena* L.), *Agri Gene* (2016), doi: [10.1016/j.aggene.2016.09.006](https://doi.org/10.1016/j.aggene.2016.09.006)

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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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