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L-ascorbic acid metabolism in an ascorbate-rich kiwifruit (*Actinidia. Eriantha* Benth.*)* cv. 'White' during postharvest

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ABSTRACT

Kiwifruit (*Actinidia eriantha* Benth.) 'White', a novel cultivar with higher L-ascorbic acid (AsA) level, is registered in China. Changes in AsA, related metabolites, enzymatic activity, and gene expression associated with AsA biosynthesis and recycling process were investigated in this paper. The results indicated that AsA biosynthesis through L-galactose pathway supplemented by D-galacturonic acid pathway and AsA recycling collectively contributed to accumulating and remaining higher AsA level in kiwifruit cv. 'White' during postharvest. Moreover, L-galactose

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