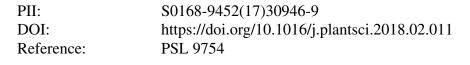
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ACCEPTED MANUSCRIPT

Unraveling the Transcriptional Complexity of Compactness in Sistan Grape Cluster

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Graphical abstract

Custer formation	Sampling at 3 Steps of Grape Clu	uster Development
met tomation	• RNA Extraction from Cluster Ped	funcle and Pedicels (Cluster Architecture)
A Car	Transcriptomic Analysis using RM	NA-Sequencing Approach
mai San of Cummer	Determination Differential Expre Gene Ontology (GO) Analysis an	
arris and the second	188,663,428 reads were produced from three stages of development of the clusters	smHSPs family proteins are important in resistance to heat and dry weather in Yaghooti grape of Sistan
7	The center of metabolic activities alters form cytoplasm to extracellular region during cluster maturity	AGAMOUS is a key gene in compactness of grape cluster

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