

**Table S1. List of some miRNAs in regulation of plant grafting.**

Rootstocks	Scions	miRNAs	Regulatory role in grafting	Refs
Avocado cv. 'Velvick'	Avocado cv. 'Hass'	miR156, miR172	Regulating the maturity of avocado trees.	[1]
<i>Solanum tuberosum</i> ssp. <i>andigena</i>	<i>Solanum tuberosum</i> ssp. <i>andigena</i>	miR156, miR172	Leaf/trichome development, aerial tubers, suppression of belowground tubers	[2,3]
<i>Nicotiana benthamiana</i>	<i>Nicotiana benthamiana</i>	miR172	Flowering	[4]
Lycium Chinese Mill. (cv. Large leave goji)	Tomato TA209'	Goji novel 28, Goji novel 9, miR8007a-5p  miR162, miR164, miR166, miR397	Transport from rootstock <i>Lycium barbarum</i> to tomato confirms long-distance transport of miRNA in grafting.  Regulation of differential expression of fruit genes in grafted tomatoes.	[5]
<i>Cucurbita moschata</i>	Cucumber '9930'	miR169, miR319, miR395	Regulation of stress resistance in grafted cucumber seedlings.	[6]
Grapevine 'M4'	Vitis vinifera 'Cabernet Sauvignon'	miR156	Involved in regulating stress defense mechanisms in heterozygous grafted grapes.	[7]
<i>Lotus japonicus</i>	<i>Lotus japonicus</i>	miR2111	Translocates in a shoot-to-root direction to control rhizobial infection	[8]
<i>Malus domestica</i> (Apple)	<i>Malus domestica</i> (Apple)	miR156, miR172, miR159, miR171	Flower formation	[9]
Pumpkin	Pumpkin	miR390b precursor	Transport of viral RNA	[10]

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