

**Involvement of Auxin and Brassinosteroid in Dwarfism of Autotetraploid Apple (*Malus × domestica*)**

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**Supplemental Table 1 Primers used to perform quantitative RT-PCR for assay of gene and miRNAs**

Name	Sequence (5'-3')	
<i>AUX1</i>	RT primer:	Oligo d(T)18; random primer (9 mer)
	PCR primer	Forward: GATGCATGAGACCAAGAGCA Reverse: GGTGGTTTCTCCACAGCATT
<i>MdARF3</i>	RT primer:	Oligo d(T)18; random primer (9 mer)
	PCR primer	Forward: AGAAAGGGACTGTGGTGGTG Reverse: CATTGCCTCAACATCCTCCT
<i>GA2ox</i>	RT primer:	Oligo d(T)18; random primer (9 mer)
	PCR primer	Forward: GAGAGCACACAGACCCACAA Reverse: TGGTCCCCCAAATAAATCA
<i>DELLA</i>	RT primer:	Oligo d(T)18; random primer (9 mer)
	PCR primer	Forward: ATCCAGCGACTTGGAGCTTA Reverse: GGCTGCCATGTAACCAAACCT
<i>GID2</i>	RT primer:	Oligo d(T)18; random primer (9 mer)
	PCR primer	Forward: ATGATCGGCAAGGAAACAAC Reverse: TGGGTAATATGGAGGGTGGA
<i>DWF4</i>	RT primer:	Oligo d(T)18; random primer (9 mer)
	PCR primer	Forward: TGATGATCCTTTGGCATTCA Reverse: AGACCGGGAGTTCGGACTAT
<i>BKII</i>	RT primer:	Oligo d(T)18; random primer (9 mer)
	PCR primer	Forward: GCAGGCATGAAGAAGAAAGG Reverse: ATCAATGGCGAAAGAAGGTG
<i>BSK</i>	RT primer:	Oligo d(T)18; random primer (9 mer)
	PCR primer	Forward: CCCC GTTTC AAAACAGAAA Reverse: CGGCACCTTCTCATCTTTA
<i>BIN2</i>	RT primer:	Oligo d(T)18; random primer (9 mer)

	PCR primer	Forward:	CGGGTAACCAGTTTTCTGGA		
		Reverse:	CTGCACATTTGTTGGTTTGG		
<i>miR390</i>	RT primer:		CTCAACTGGTGTCGTGGAGTCCGGCAATT CAGTTGAGGGCGCTAT		
	PCR primer	Forward:	AACTGGTGTCTGGAG		
		Reverse:	AACTGGTGTCTGGAG		
	Probe		FAM-TTCAGTTGAGGGCGATAT-TAMRA		
<i>MdTAS3-1a</i>	RT primer:		CTCAACTGGTGTCGTGGAGTCCGGCAATT CAGTTGAGAAGACCTT		
	PCR primer	Forward:	AGGTGGTGGTTGATGGGAAT		
		Reverse:	AACAAAGACAACAGACCCGG		
	Probe		FAM-TTCAGTTGAGAAGACCTT-TAMRA		
<i>18s</i>	RT primer:		Oligo d(T)18; random primer (9 mer)		
	PCR primer	Forward:	GTAGTCATATGCTTGTCT		
		Reverse:	GAATGATGCGTCGCCAGCACAAAGG		
	Probe		FAM-CAGAAGTCGGGATTTGTTGC-TAMRA		
FAM	6-carboxy-fluorescein,	reporter	fluorophore,	TAMRA	
	6-carboxy-tetramethylrhodamine,	quencher	fluorophore		