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Supplementary Material

MdMYBL2 helps regulate cytokinin-induced anthocyanin biosynthesis in red-fleshed apple (*Malus sieversii* f. *niedzwetzkyana*) callus

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Table S1. Details regarding the primers used in this study

Gene name	qRT-PCR Primer sequence
<i>MdActin</i>	F-5' TGACCGAATGAGCAAGGAAATTACT 3' R-5' TACTCAGCTTTGGCAATCCACATC 3'
<i>MdCHS</i>	F-5' GGAGACAACCTGGAGAAGGACTGGAA 3' R-5' CGACATTGATACTGGTGTCTTC 3'
<i>MdCHI</i>	F-5' GGGATAACCTCGCGGCCAAA 3' R-5' GCATCCATGCCGGAAGCTACAA 3'
<i>MdF3H</i>	F-5' TGGAAGCTTGTGAGGACTGGGGT 3' R-5' CTCCTCCGATGGCAAATCAAAGA 3'
<i>MdDFR</i>	F-5' GATAGGGTTTGAGTTCAAGTA 3' R-5' TCTCCTCAGCAGCCTCAGTTTTCT 3'
<i>MdLDOX</i>	F-5' CCAAGTGAAGCGGGTTGTGCT 3' R-5' CAAAGCAGGCGGACAGGAGTAGC 3'
<i>MdUFGT</i>	F-5' CCACCGCCCTTCCAAACACTCT 3' R-5' CACCCTTATGTTACGCGGCATGT 3'

Gene name	qRT-PCR Primer sequence
<i>MdbHLH3</i>	F-5' ACCACCTCAGCCAGAACCT 3' R-5' CCTTCACCTTGGCTCTTAGTT 3'
<i>MdTTG1</i>	F-5' GGTTTTGGAACGTTGGGGTG 3' R-5' CCAGTCTCAAACCCTCTCTCAG 3'
<i>MdMYB10</i>	F-5' TGCCTGGACTCGAGAGGAAGACA 3' R-5' CCTGTTTCCCAAAGCCTGTGAA 3'
<i>MdMYBL2</i>	F-5' GGCTAAACCAGATTATTCC 3' R-5' GATTCAAGTCACGAGATG 3'

Gene name	BIFC Primer sequence
<i>MdbHLH3</i>	F-5'CGGGATCCATGGCTGCACCGCC 3' R- 5'GGGGTACCAGAGTCAGATTGGGGTATAATTT G 3'
<i>MdMYBL2</i>	F-5' CGGGATCCATGAGAAAACCTTGCTGTG 3' R-5'GCGTCGACTTATCTGAAAAGCACAAGGG 3'

Gene name	Y2H Primer sequence
<i>MdbHLH3</i>	F-5' CCCATATGATGGCTGCACCGCC 3' R- 5'CGGGATCCTTAAGAGTCAGATTGGGGTATAA TTT 3'
<i>MdMYBL2</i>	F-5' CCCATATGATGAGAAAACCTTGCTGTG 3' R- 5'CGGGATCCTCTGAAAAGCACAAGGGTAG3'

Gene name	Pull-Down Primer sequence
<i>MdbHLH3</i>	F-5' GGATCCATGGCTGCACCGCC 3' R- 5'GCGGCCGCTTAAGAGTCAGATTGGGGTATA ATTT 3'

MdMYBL2

F-5' 'CGGGATCCATGAGAAAACCTTGCTGTG 3'

R-5'GCGTCGACTTATCTGAAAAGCACAAGGG

3'

Gene name	Specific primers
<i>MdMYBL2-GFP</i>	F-5' CCCATATGATGAGAAAACCTTGCTGTG 3'
	R-
	5'CGGGATCCTTAAGAGTCAGATTGGGGTATAA
	TTT 3'
