

Supplementary information

MBW complexes impinge on anthocyanidin reductase gene regulation for proanthocyanidin biosynthesis in persimmon fruit

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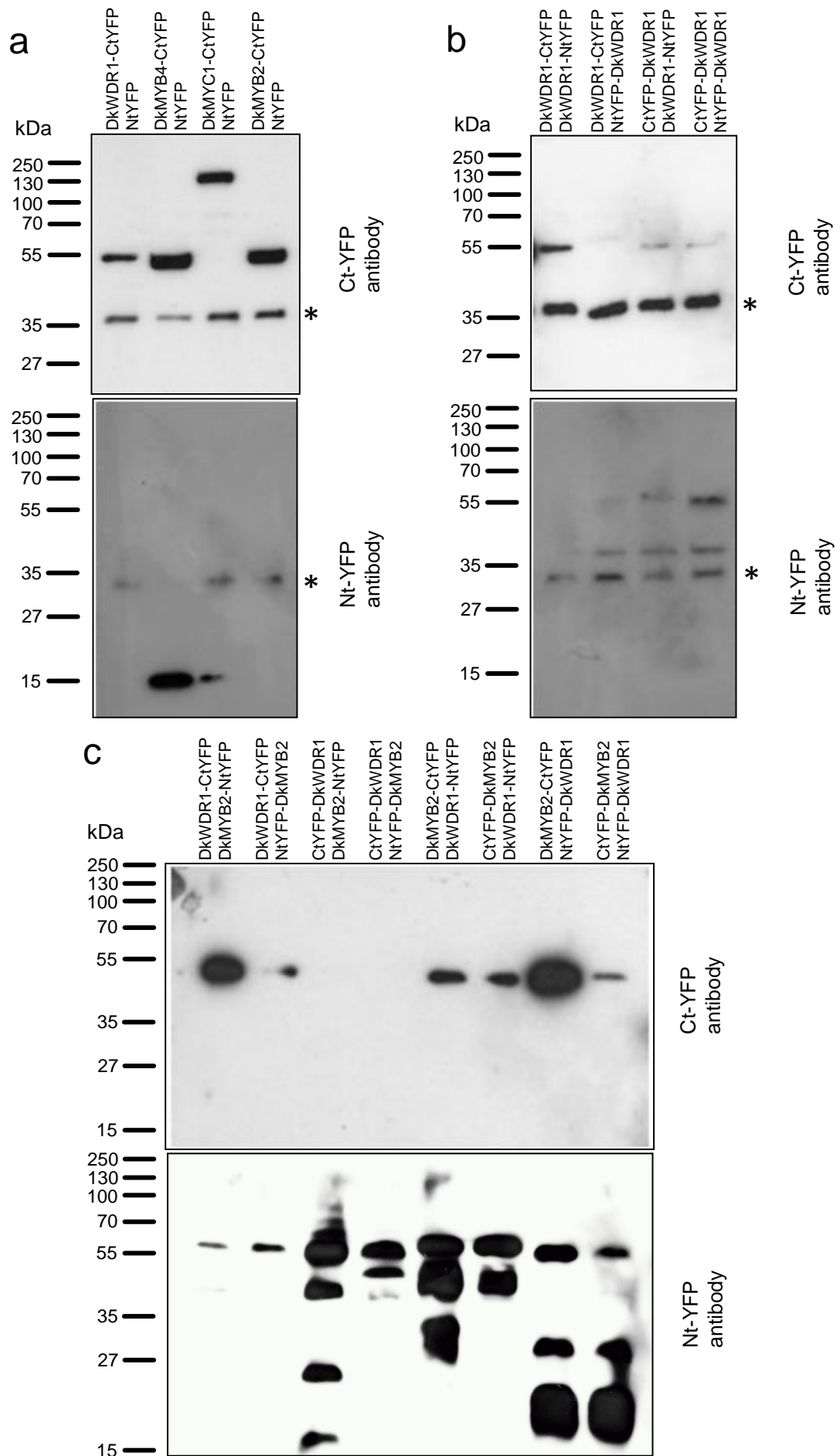


Figure S1. Western blot analysis of BiFC negative interaction combinations. Combinations are DkMYB2, DkMYB4, DkMYC1 and DkWDR1 with NtYFP (a), DkWDR1 with itself (b), and DkWDR1 with DkMYB2 (c). Molecular weight markers are shown on the left. Antibodies are shown on the right. Unspecific bands are labelled (*).

Table S1. Primers used in this work.

	Forward	Reverse	Amplicon length (bp)
Primers used for promoter cloning			
<i>ANR</i> promoter (cloning)	AAAAGTCTTGGGATCGTGCCTTC	ACGCTGCCTTGGCTCCTAACG	1415
<i>DkMYB4</i> promoter (cloning)	AATTCA CGGCATGGAAACGTGGT	CTCTTCTTCTGATATTTGTGACGCAG	1392
<i>DkMYC1</i> promoter (cloning)	CGTGCGAGCATTCA TGA GATGAGA	ACTGTAAGTCCA TTGCA CCGTCTGA	1268
Subcellular localization and BiFC			
DkMYB2-Fluorescent protein (FP)	AGGATCGGTACCA TGGGAAGGAA GCCATGCTGTG	CTGCA CCGGCCTAGCTGCGCTAAACCATGGGGT	
FP-DkMYB2	GGTGCA GGA GCCA TGGGAAGGAA GCCATGCTGTG	TCTAGGGA GCGCTAGCCTAGCCTAAACCATGGGGTTGG	
DkMYB4-FP	AGGATCGGTACCA TGGGAAGAGCTCCTTGTGTTC	CTGCA CCGGCCTAGCGATGAGCAATGATTCA GCAAAGG	
FP-DkMYB4	GGTGCA GGA GCCA TGGGAAGAGCTCCTTGTGTTC	TCTAGGGA GCGCTAGCTCAGATGAGCAATGATTCA GCAAAGG	
DkMYC1-FP	AGGATCGGTACCA TGGCCGCTCCGCCTAGTT	CTGCA CCGGCCTAGCATGTATTA TCTGATGTATCGCCCTCTTC	
FP-DkMYC1	GGTGCA GGA GCCA TGGCCGCTCCGCCTAGTT	TCTAGGGA GCGCTAGCTTAATGTATTA TCTGATGTATCGCCCTCTTC	
DkWDR1-FP	AGGATCGGTACCA TGGGA AATTCGA CCCTAGAG	CTGCA CCGGCCTAGCAACTTTTAGAAGCTGCA TTTTGG	
FP-DkWDR1	GGTGCA GGA GCCA TGGGA AATTCGA CCCTAGAG	TCTAGGGA GCGCTAGCTTAAACTTTTAGAAGCTGCA TTTTGG	
Transient expression vector construction			
<i>ANR</i> -Luc	CGGAAGCTTAA AAGTCTTGGGATCGTGCCTTCAAC	TATCTGCAGACGCTGCCTTGGCTCCTAACGTTG	
<i>DkMYB4</i> -Luc	CGCAAGCTTGTATA GCTTGAATGAA TGA AACTTTGTAG	TAACCATGGCTCTTCTTCTGATA TTTGTGACGCAG	
<i>DkMYC1</i> -Luc	GCCAAGCTTCGATTTGGGATAATTTCAACTAAGGAGAAT	TATCTGCAGCTACGCGCTCTGCTAGCTGTCAC	