

Fig. S1 Schematic diagrams of vectors used for the dual-luciferase assay.

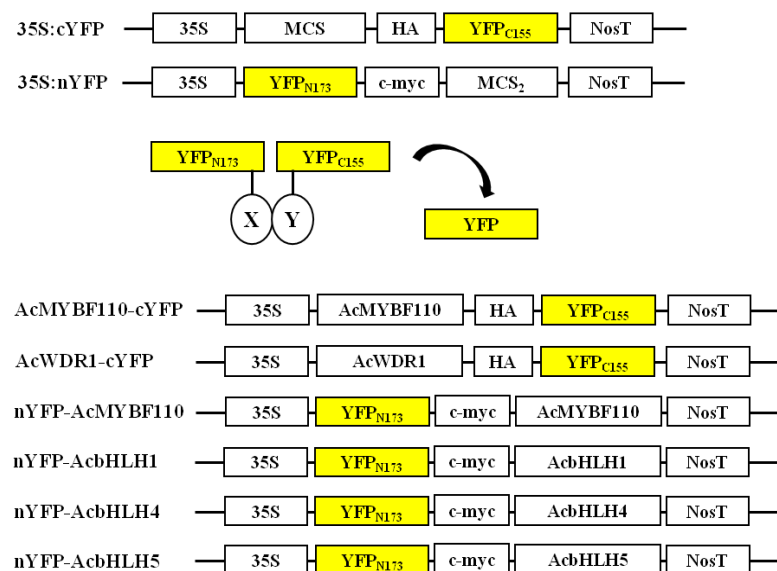


Fig. S2 Schematic diagrams of vectors used for the BiFC assay.

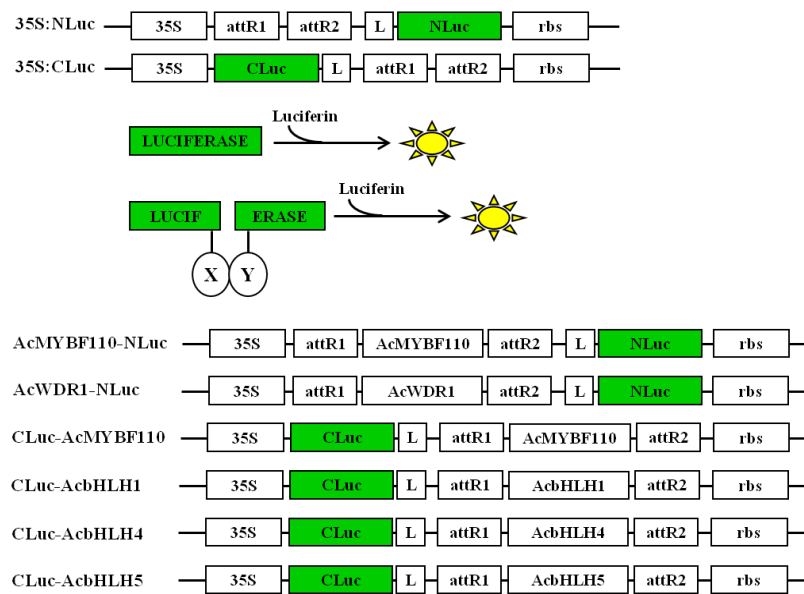


Fig. S3 Schematic diagrams of vectors used for the firefly luciferase complementation assay.



Fig. S4 GUS staining of *A. arguta* fruit injected with 35S or 35S:GUS at 48 h after injection.

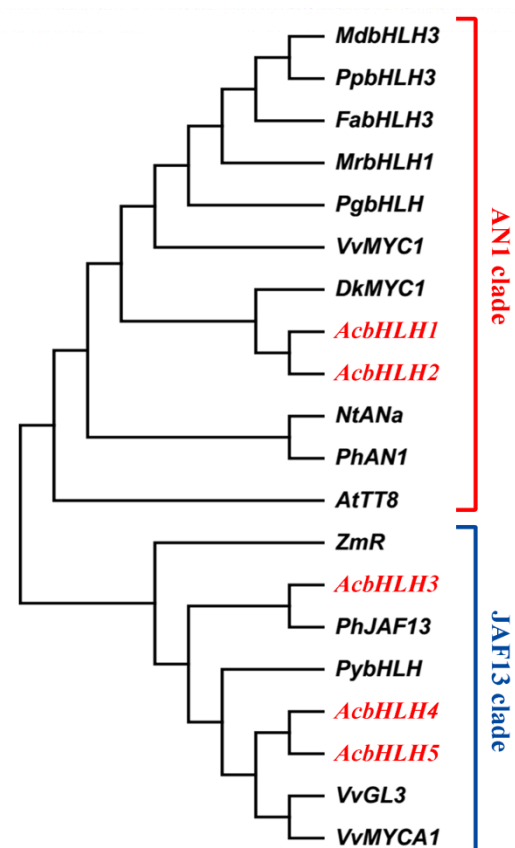


Fig. S5 Phylogenetic analyses of selected plants anthocyanin regulating bHLH transcription factors and putative kiwifruit factors.

1. 本行在 2017 年 12 月 31 日及 2018 年 12 月 31 日，均符合《公司法》及《证券法》规定的上市条件。

[illegible]

AcbHLH1	...HPTGVTSTGHHGHHLESSSSAGGACIMSSG...GHWFRPSC...HHHQADACG...HLLHLLVDFG...EDNDFSSA...TAADSSVFFPT...FQLE	SAHHLAARLRGRZNFNFILRS	50
AcbHLH2	...HPTGVTSTGHHGHHLESSSSAGGACIMSSG...GHWFRPSC...HHHQADACG...HLLHLLVDFG...EDNDFSSA...TAADSSVFFPT...FQLE	SAHHLAARLRGRZNFNFILRS	51
AcbHLH3	...HPTGVTSTGHHGHHLESSSSAGGACIMSSG...GHWFRPSC...HHHQADACG...HLLHLLVDFG...EDNDFSSA...TAADSSVFFPT...FQLE	SAHHLAARLRGRZNFNFILRS	52
AcbHLH4	...HPTGVTSTGHHGHHLESSSSAGGACIMSSG...GHWFRPSC...HHHQADACG...HLLHLLVDFG...EDNDFSSA...TAADSSVFFPT...FQLE	SAHHLAARLRGRZNFNFILRS	53
AcbHLH5	...HPTGVTSTGHHGHHLESSSSAGGACIMSSG...GHWFRPSC...HHHQADACG...HLLHLLVDFG...EDNDFSSA...TAADSSVFFPT...FQLE	SAHHLAARLRGRZNFNFILRS	54
AITT8	...HPTGVTSTGHHGHHLESSSSAGGACIMSSG...GHWFRPSC...HHHQADACG...HLLHLLVDFG...EDNDFSSA...TAADSSVFFPT...FQLE	SAHHLAARLRGRZNFNFILRS	55
DMCMY1	...HPTGVTSTGHHGHHLESSSSAGGACIMSSG...GHWFRPSC...HHHQADACG...HLLHLLVDFG...EDNDFSSA...TAADSSVFFPT...FQLE	SAHHLAARLRGRZNFNFILRS	56
FAHLH3	...HPTGVTSTGHHGHHLESSSSAGGACIMSSG...GHWFRPSC...HHHQADACG...HLLHLLVDFG...EDNDFSSA...TAADSSVFFPT...FQLE	SAHHLAARLRGRZNFNFILRS	57
MAHLH1	...HPTGVTSTGHHGHHLESSSSAGGACIMSSG...GHWFRPSC...HHHQADACG...HLLHLLVDFG...EDNDFSSA...TAADSSVFFPT...FQLE	SAHHLAARLRGRZNFNFILRS	58
PhbAF13	...HPTGVTSTGHHGHHLESSSSAGGACIMSSG...GHWFRPSC...HHHQADACG...HLLHLLVDFG...EDNDFSSA...TAADSSVFFPT...FQLE	SAHHLAARLRGRZNFNFILRS	59
PphAF13	...HPTGVTSTGHHGHHLESSSSAGGACIMSSG...GHWFRPSC...HHHQADACG...HLLHLLVDFG...EDNDFSSA...TAADSSVFFPT...FQLE	SAHHLAARLRGRZNFNFILRS	60
VvGL3	...HPTGVTSTGHHGHHLESSSSAGGACIMSSG...GHWFRPSC...HHHQADACG...HLLHLLVDFG...EDNDFSSA...TAADSSVFFPT...FQLE	SAHHLAARLRGRZNFNFILRS	61
VvMYC1	...HPTGVTSTGHHGHHLESSSSAGGACIMSSG...GHWFRPSC...HHHQADACG...HLLHLLVDFG...EDNDFSSA...TAADSSVFFPT...FQLE	SAHHLAARLRGRZNFNFILRS	62

VFFVTRDKSILGDTIEYKQLRKNIQLENRARQIEIDQ.....RSRSSG.....DPQRSGAKAATD.....RNKLRIVEASGG..AKG.KAVDSVAVATPPF.PAFFQ.FVAG.VGVQV

[illegible]

b1-5	ATGCGCGCTCCCCCTAGTACAGGGCTCAAGCACTGTATACAGACGGCGGTGCATCGGTGCATAGCACTTATAGCCCTCTTCGGCAGTTGTGTCTCCACACGAAGATCTTAGTATGGGGAGATGGGTATTACATAGGACATCAAGCA	150
b42	ATGCGCGCTCCCCCTAGTACAGGGCTCAAGCACTGTATACAGACGGCGGTGCATCGGTGCATAGCACTTATAGCCCTCTTCGGCAGTTGTGTCTCCACACGAAGATCTTAGTATGGGGAGATGGGTATTACATAGGACATCAAGCA	150
b1-5	AGGAAGACAGTATTACCAATAGAGCTCAGCGCGGAGGAGCGCTCTCTCCAAAGAACGCCAGCTGAGAGCACTATATGATTTCTCTCTCTGCGAGTCCAATCAGCCACAACGCGGCTTGTGGCCGCTTTTGCCCCGGAGGACTTG	300
b42	AGGAAGACAGTATTACCAATAGAGCTCAGCGCGGAGGAGCGCTCTCTCCAAAGAACGCCAGCTGAGAGCACTATATGATTTCTCTCTCTGCGAGTCCAATCAGCCACAACGCGGCTTGTGGCCGCTTTTGCCCCGGAGGACTTG	300
b1-5	ACGGAGTCCGAGTGGTTCTTACCTCATGTGTGTTCTCTCTCTCTCTCCCGGTGTGGATTACAGGAGAAACATACGCCAAGGAGCAGCATGTTTGGCTTACCGGAGCGAAGAGGTCGATAGCAAACTCTTTTCGAGAGGCATTCTT	450
b42	ACGGAGTCCGAGTGGTTCTTACCTCATGTGTGTTCTCTCTCTCTCTCCCGGTGTGGATTACAGGAGAAACATACGCCAAGGAGCAGCATGTTTGGCTTACCGGAGCGAAGAGGTCGATAGCAAACTCTTTTCGAGAGGCATTCTT	450
b1-5	GCCAGAGTGCTCTGGTGTACAGCTATAGTGTATTCTCTCTACTAGATGGATGCTTGGATGGTATACAGAAAGGTACAGAGAGATTTGGTTTCATTACCAAGATCAAGTCTCTTTATTATGATCACACCGCTCTCCACGGCGC	600
b42	GCCAGAGTGCTCTGGTGTACAGCTATAGTGTATTCTCTCTACTAGATGGATGCTTGGATGGTATACAGAAAGGTACAGAGAGATTTGGTTTCATTACCAAGATCAAGTCTCTTTATTATGATCACACCGCTCTCCACGGCGC	600
b1-5	AAGCGACCGCTCTCCGAGCACTCCACTGTGGCCAGCTCTCTCTGCTCAGCCCGGCTCTCACTCCGCTCCACTCCCGCTCAGTATGGCCCCCTCGACCGCCCATCTGCGGACCAACAAATCCAGATGGAGAGAAACAAGAACAA	750
b42	AAGCGACCGCTCTCCGAGCACTCCACTGTGGCCAGCTCTCTCTGCTCAGCCCGGCTCTCACTCCGCTCCACTCCCGCTCAGTATGGCCCCCTCGACCGCCCATCTGCGGACCAACAAATCCAGATGGAGAGAAACAAGAACAA	750
b1-5	GAACAAAGAAGATGACGATGACGACGATGACGATGACGACGAGAAAGAAGCCGAGTCAGACTCGGAAGCCACACCGGGCTCAACACGCGAGGCCCGAGAACCCTCGGTGGACCATGTGGCTGTGACGCGCGCGACGACGAGCTA	900
b42	GAACAAAGAAGATGACGATGACGACGATGACGATGACGACGAGAAAGAAGCCGAGTCAGACTCGGAAGCCACACCGGGCTCAACACGCGAGGCCCGAGAACCCTCGGTGGACCATGTGGCTGTGACGCGCGCGACGACGAGCTA	900
b1-5	ATGCAGCTCGAGATGTCAAGAGATATCCGCTCGGGTCAGCGATAGCGGGTGCATATACATGACCCGATTTTCAGTGTGGTGGCAGCAAGTGGCACCGCGGGATCAGCACACAGGATTTGACTGTTTATGGCGCAAGTCT	1050
b42	ATGCAGCTCGAGATGTCAAGAGATATCCGCTCGGGTCAGCGATAGCGGGTGCATATACATGACCCGATTTTCAGTGTGGTGGCAGCAAGTGGCACCGCGGGATCAGCACACAGGATTTGACTGTTTATGGCGCAAGTCT	1050
b1-5	ACTCCGCGGGGGCTCTCTTCGAGGACCTTTTGGGACAGAGTCTCCAGGACCACTACTTCAGGTGGGACTGGACTAGATTAATTAACGAGAAGCAGACGACACTACTCTCAACTCTCTCGACATTTCTCAGACCAATCAACCGGTGG	1200
b42	ACTCCGCGGGGGCTCTCTTCGAGGACCTTTTGGGACAGAGTCTCCAGGACCACTACTTCAGGTGGGACTGGACTAGATTAATTAACGAGAAGCAGACGACACTACTCTCAACTCTCTCGACATTTCTCAGACCAATCAACCGGTGG	1200
b1-5	TTGGAGTCTCTCATCTGTCGCGCGCGGGCTGGCTCATCTCTCCCAATCGTCTACTTCCAGATGGCTGGCTCTCGACCTTCGAGACACCAACAGCGCGAGCGGCACCTCTCAGTGGCTACTCAAAATACATCTCTCTCACCGTCCCG	1350
b42	TTGGAGTCTCTCATCTGTCGCGCGCGGGCTGGCTCATCTCTCCCAATCGTCTACTTCCAGATGGCTGGCTCTCGACCTTCGAGACACCAACAGCGCGAGCGGCACCTCTCAGTGGCTACTCAAAATACATCTCTCTCACCGTCCCG	1350
b1-5	TTCTCTCACTCAAGTACCGCGACGACAAACAATCCCCAAATCGCGACCGCTGCGGACTCGGCTCCGCTCTCGGACGCGAGCGCGCGAGGAGCTCAGCTCTCGGCCAATCAGTCTCTCGCGAGCGAGCGCGCGCGGAGAGCTCAG	1500
b42	TTCTCTCACTCAAGTACCGCGACGACAAACAATCCCCAAATCGCGACCGCTGCGGACTCGGCTCCGCTCTCGGACGCGAGCGCGCGAGGAGCTCAGCTCTCGGCCAATCAGTCTCTCGCGAGCGAGCGCGCGCGGAGAGCTCAG	1500
b1-5	GAGCGGCTTCATCATTTTCAGATCTCTAGTCCCTTTCTGCACCAAAATGGACAAGGCTCGATTCTGGGGGACAGCATCGAGTACTGAGCAATTCGCCAAAATATTCCGCAAAATATTCGAGAGCTAGGGCAGCTGATGATCGAAATCGATACAA	1650
b42	GAGCGGCTTCATCATTTTCAGATCTCTAGTCCCTTTCTGCACCAAAATGGACAAGGCTCGATTCTGGGGGACAGCATCGAGTACTGAGCAATTCGCCAAAATATTCCGCAAAATATTCGAGAGCTAGGGCAGCTGATGATCGAAATCGATACAA	1650
b1-5	CGATCCAGATCTCGGGGAGACCGGACAGGAGAGCGGCGCAAAAGCGGCGACAGCAAGAGAAATTAGAGATCTGGTGGAGCGAGCGAGGGGCAAGGGGAGGCGGTGGATTCGTCGGCGTGGCACTCCACCGCTCTCGGCGCGCGCG	1800
b42	CGATCCAGATCTCGGGGAGACCGGACAGGAGAGCGGCGCAAAAGCGGCGACAGCAAGAGAAATTAGAGATCTGGTGGAGCGAGCGAGGGGCAAGGGGAGGCGGTGGATTCGTCGGCGTGGCACTCCACCGCTCTCGGCGCGCGCG	1800
b1-5	CAGCGCGTGGCTGGATGGGTGTGCAGTGCAGGTGTCGATAATCAGAGAGCAGCGGCTGGTTGAGCTCGAGTGCAGCATAGGAGGGGTGGTTGCTGGAGATGATGGTGGTCTCGGACCAATCGGTTGGAGTCAACCGCGTGC	1950
b42	CAGCGCGTGGCTGGATGGGTGTGCAGTGCAGGTGTCGATAATCAGAGAGCAGCGGCTGGTTGAGCTCGAGTGCAGCATAGGAGGGGTGGTTGCTGGAGATGATGGTGGTCTCGGACCAATCGGTTGGAGTCAACCGCGTGC	1950
b1-5	TTCTCTGTGACCAATGGGATTTATTTGGCCGAGTTTGGGCGAAAGTGAAGAAAGAACTAAATGGAAAGAGCCAAATTTGTGGAAGTAAGAGAGCAATACACCAATCATACCCCTA	2069
b42	TTCTCTGTGACCAATGGGATTTATTTGGCCGAGTTTGGGCGAAAGTGAAGAAAGAACTAAATGGAAAGAGCCAAATTTGTGGAAGTAAGAGAGCAATACACCAATCATACCCCTA	2069

Fig. S7 Alignment of *AcbHLH1* and *AcbHLH42* sequences.

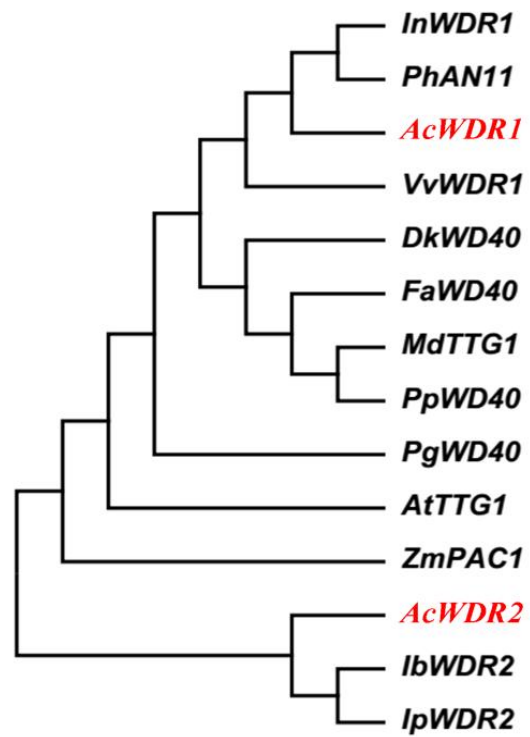


Fig. S8 Phylogenetic analyses of selected plants anthocyanin regulating WD40 transcription factors and putative kiwifruit factor *AcWDRs*.

AcWDR1	VESTQEEHLRS.....ENSVYDSEVFLYVAFSSARTFHH...HDAVSESEDEYNWDLISFD...PETILIRSNEN...GGEFYATKNG...HAAAS.LRKSALLASGGLRWKWRDNI.....E	119
AcWDR2	MGANSDFTCGDSDE..QQRSEITVEAFHHVYAMNVRCKK....YDAIISDDEYVWVEIVLID...DSNGEIRSDEN...GGEFYATKNG...HAAAS.LRKSALLASGGLRWKWRDNI.....E	121
AtTTG1	MENAPDS..LSRS.....ETAVYDSEVFLYVAFSLRSSG...HDAVSESEDEYNWDLISFD...DSMTVVFPLND...GGEFYATKNG...HAAAS.LRKSALLASGGLRWKWRDNI.....E	118
DkWD40	MENSLERHHRSS.....EHVYDSEVFLYVAFSLRSSG...HDAVSESEDEYNWDLISFD...DITLAIKRNAL...GGEFYATKNG...HAAAS.LRKSALLASGGLRWKWRDNI.....E	114
FaWD40	MENSLERHHRSS.....EHVYDSEVFLYVAFSLRSSG...HDAVSESEDEYNWDLISFD...DITLAIKRNAL...GGEFYATKNG...HAAAS.LRKSALLASGGLRWKWRDNI.....E	121
ibWDR2	MGANSDFTCGDSDE..QQRSEITVEAFHHVYAMNVRCKK....YDAIISDDEYVWVEIVLID...DSNGEIRSDEN...GGEFYATKNG...HAAAS.LRKSALLASGGLRWKWRDNI.....E	121
InWDR1	MENAPDS..LSRS.....ETAVYDSEVFLYVAFSLRSSG...HDAVSESEDEYNWDLISFD...DSMTVVFPLND...GGEFYATKNG...HAAAS.LRKSALLASGGLRWKWRDNI.....E	120
IpWDR2	MGANSDFTCGDSDE..QQRSEITVEAFHHVYAMNVRCKK....YDAIISDDEYVWVEIVLID...DSNGEIRSDEN...GGEFYATKNG...HAAAS.LRKSALLASGGLRWKWRDNI.....E	121
MdTTG1	MENAPDS..LSRS.....ETAVYDSEVFLYVAFSLRSSG...HDAVSESEDEYNWDLISFD...DSMTVVFPLND...GGEFYATKNG...HAAAS.LRKSALLASGGLRWKWRDNI.....E	119
MrWD40-1	MENAPDS..LSRS.....ETAVYDSEVFLYVAFSLRSSG...HDAVSESEDEYNWDLISFD...DSMTVVFPLND...GGEFYATKNG...HAAAS.LRKSALLASGGLRWKWRDNI.....E	119
PgWD40	MENAPDS..LSRS.....ETAVYDSEVFLYVAFSLRSSG...HDAVSESEDEYNWDLISFD...DSMTVVFPLND...GGEFYATKNG...HAAAS.LRKSALLASGGLRWKWRDNI.....E	111
PhAN11	MENAPDS..LSRS.....ETAVYDSEVFLYVAFSLRSSG...HDAVSESEDEYNWDLISFD...DSMTVVFPLND...GGEFYATKNG...HAAAS.LRKSALLASGGLRWKWRDNI.....E	114
PpWD40	MENAPDS..LSRS.....ETAVYDSEVFLYVAFSLRSSG...HDAVSESEDEYNWDLISFD...DSMTVVFPLND...GGEFYATKNG...HAAAS.LRKSALLASGGLRWKWRDNI.....E	119
VvWDR1	MENAPDS..LSRS.....ETAVYDSEVFLYVAFSLRSSG...HDAVSESEDEYNWDLISFD...DSMTVVFPLND...GGEFYATKNG...HAAAS.LRKSALLASGGLRWKWRDNI.....E	113
ZmPAC1	MEFPPFSSVASSSGPETPNFATCELRSTVLA...FVA.....FVLSSESEDEYNWDLISFD...FVPSAASFTAL...GGEFYATKNG...HAAAS.LRKSALLASGGLRWKWRDNI.....E	126
AcWDR1	ELSVLNNNS...EPCGPTSFENWDEFRNGTSIDITICTWD...IRGVETQLAHKRVVDIANGACVPSVSADGVSVFCLRC...KHSTIYES...EPTPLRLNNQDRYMATINDNNVLLDIRGHEV	258
AcWDR2	IKSLNNNS...EPCGPTSFENWDEFRNGTSIDITICTWD...IRGVETQLAHKRVVDIANGACVPSVSADGVSVFCLRC...KHSTIYES...EPTPLRLNNQDRYMATINDNNVLLDIRGHEV	260
AtTTG1	ELSVLNNNS...EPCGPTSFENWDEFRNGTSIDITICTWD...IRGVETQLAHKRVVDIANGACVPSVSADGVSVFCLRC...KHSTIYES...EPTPLRLNNQDRYMATINDNNVLLDIRGHEV	257
DkWD40	ELSVLNNNS...EPCGPTSFENWDEFRNGTSIDITICTWD...IRGVETQLAHKRVVDIANGACVPSVSADGVSVFCLRC...KHSTIYES...EPTPLRLNNQDRYMATINDNNVLLDIRGHEV	253
FaWD40	ELSVLNNNS...EPCGPTSFENWDEFRNGTSIDITICTWD...IRGVETQLAHKRVVDIANGACVPSVSADGVSVFCLRC...KHSTIYES...EPTPLRLNNQDRYMATINDNNVLLDIRGHEV	260
ibWDR2	IKSLNNNS...EPCGPTSFENWDEFRNGTSIDITICTWD...IRGVETQLAHKRVVDIANGACVPSVSADGVSVFCLRC...KHSTIYES...EPTPLRLNNQDRYMATINDNNVLLDIRGHEV	260
InWDR1	ELSVLNNNS...EPCGPTSFENWDEFRNGTSIDITICTWD...IRGVETQLAHKRVVDIANGACVPSVSADGVSVFCLRC...KHSTIYES...EPTPLRLNNQDRYMATINDNNVLLDIRGHEV	259
IpWDR2	IKSLNNNS...EPCGPTSFENWDEFRNGTSIDITICTWD...IRGVETQLAHKRVVDIANGACVPSVSADGVSVFCLRC...KHSTIYES...EPTPLRLNNQDRYMATINDNNVLLDIRGHEV	260
MdTTG1	ELSVLNNNS...EPCGPTSFENWDEFRNGTSIDITICTWD...IRGVETQLAHKRVVDIANGACVPSVSADGVSVFCLRC...KHSTIYES...EPTPLRLNNQDRYMATINDNNVLLDIRGHEV	258
MrWD40-1	ELSVLNNNS...EPCGPTSFENWDEFRNGTSIDITICTWD...IRGVETQLAHKRVVDIANGACVPSVSADGVSVFCLRC...KHSTIYES...EPTPLRLNNQDRYMATINDNNVLLDIRGHEV	258
PgWD40	ELSVLNNNS...EPCGPTSFENWDEFRNGTSIDITICTWD...IRGVETQLAHKRVVDIANGACVPSVSADGVSVFCLRC...KHSTIYES...EPTPLRLNNQDRYMATINDNNVLLDIRGHEV	250
PhAN11	ELSVLNNNS...EPCGPTSFENWDEFRNGTSIDITICTWD...IRGVETQLAHKRVVDIANGACVPSVSADGVSVFCLRC...KHSTIYES...EPTPLRLNNQDRYMATINDNNVLLDIRGHEV	253
PpWD40	ELSVLNNNS...EPCGPTSFENWDEFRNGTSIDITICTWD...IRGVETQLAHKRVVDIANGACVPSVSADGVSVFCLRC...KHSTIYES...EPTPLRLNNQDRYMATINDNNVLLDIRGHEV	258
VvWDR1	ELSVLNNNS...EPCGPTSFENWDEFRNGTSIDITICTWD...IRGVETQLAHKRVVDIANGACVPSVSADGVSVFCLRC...KHSTIYES...EPTPLRLNNQDRYMATINDNNVLLDIRGHEV	252
ZmPAC1	LSVLDLRFNS...EPCGPTSFENWDEFRNGTSIDITICTWD...IRGVETQLAHKRVVDIANGACVPSVSADGVSVFCLRC...KHSTIYES...EPTPLRLNNQDRYMATINDNNVLLDIRGHEV	266
AcWDR1	FEIRHRSNNATWAFQSSPHECGGDCQALIND...TVAGEN...GDEMNYGASSED...QLQWRALEPWAIRFENRQDOK	341
AcWDR2	FEIRHRSNNATWAFQSSPHECGGDCQALIND...TVAGEN...GDEMNYGASSED...QLQWRALEPWAIRFENRQDOK	345
AtTTG1	FEIRHRSNNATWAFQSSPHECGGDCQALIND...TVAGEN...GDEMNYGASSED...QLQWRALEPWAIRFENRQDOK	340
DkWD40	FEIRHRSNNATWAFQSSPHECGGDCQALIND...TVAGEN...GDEMNYGASSED...QLQWRALEPWAIRFENRQDOK	336
FaWD40	FEIRHRSNNATWAFQSSPHECGGDCQALIND...TVAGEN...GDEMNYGASSED...QLQWRALEPWAIRFENRQDOK	343
ibWDR2	FEIRHRSNNATWAFQSSPHECGGDCQALIND...TVAGEN...GDEMNYGASSED...QLQWRALEPWAIRFENRQDOK	345
InWDR1	FEIRHRSNNATWAFQSSPHECGGDCQALIND...TVAGEN...GDEMNYGASSED...QLQWRALEPWAIRFENRQDOK	342
IpWDR2	FEIRHRSNNATWAFQSSPHECGGDCQALIND...TVAGEN...GDEMNYGASSED...QLQWRALEPWAIRFENRQDOK	345
MdTTG1	FEIRHRSNNATWAFQSSPHECGGDCQALIND...TVAGEN...GDEMNYGASSED...QLQWRALEPWAIRFENRQDOK	341
MrWD40-1	FEIRHRSNNATWAFQSSPHECGGDCQALIND...TVAGEN...GDEMNYGASSED...QLQWRALEPWAIRFENRQDOK	341
PgWD40	FEIRHRSNNATWAFQSSPHECGGDCQALIND...TVAGEN...GDEMNYGASSED...QLQWRALEPWAIRFENRQDOK	333
PhAN11	FEIRHRSNNATWAFQSSPHECGGDCQALIND...TVAGEN...GDEMNYGASSED...QLQWRALEPWAIRFENRQDOK	336
PpWD40	FEIRHRSNNATWAFQSSPHECGGDCQALIND...TVAGEN...GDEMNYGASSED...QLQWRALEPWAIRFENRQDOK	341
VvWDR1	FEIRHRSNNATWAFQSSPHECGGDCQALIND...TVAGEN...GDEMNYGASSED...QLQWRALEPWAIRFENRQDOK	335
ZmPAC1	FEIRHRSNNATWAFQSSPHECGGDCQALIND...TVAGEN...GDEMNYGASSED...QLQWRALEPWAIRFENRQDOK	352

Fig. S9 Amino acid sequences alignment of AcWDRs and other plant anthocyanin promoting WD40. Red boxes indicate four WD motifs.

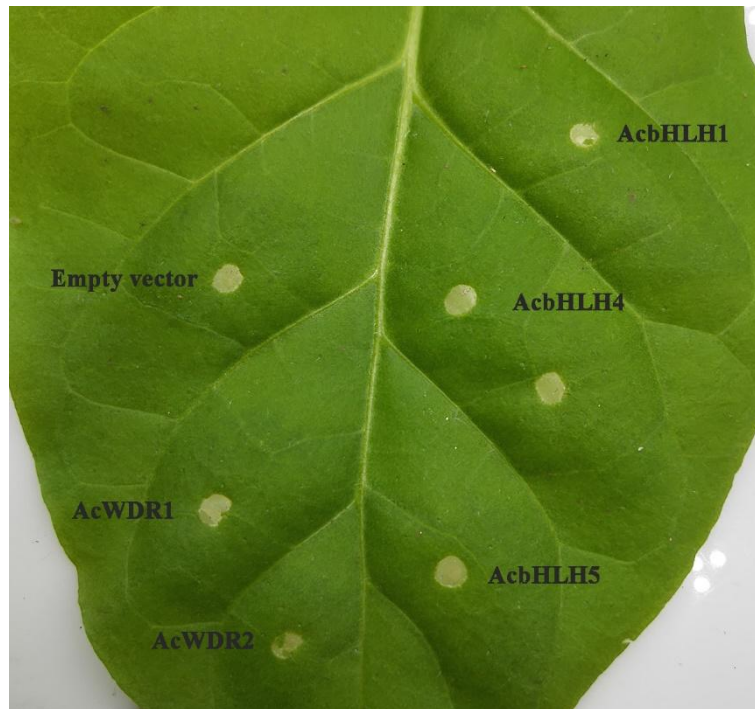


Fig. S10 The phenotype of tobacco leaves 7 days after infiltration with empty vector, *AcbHLH1*, *AcbHLH4*, *AcbHLH5*, *AcWDR1* and *AcWDR2*.

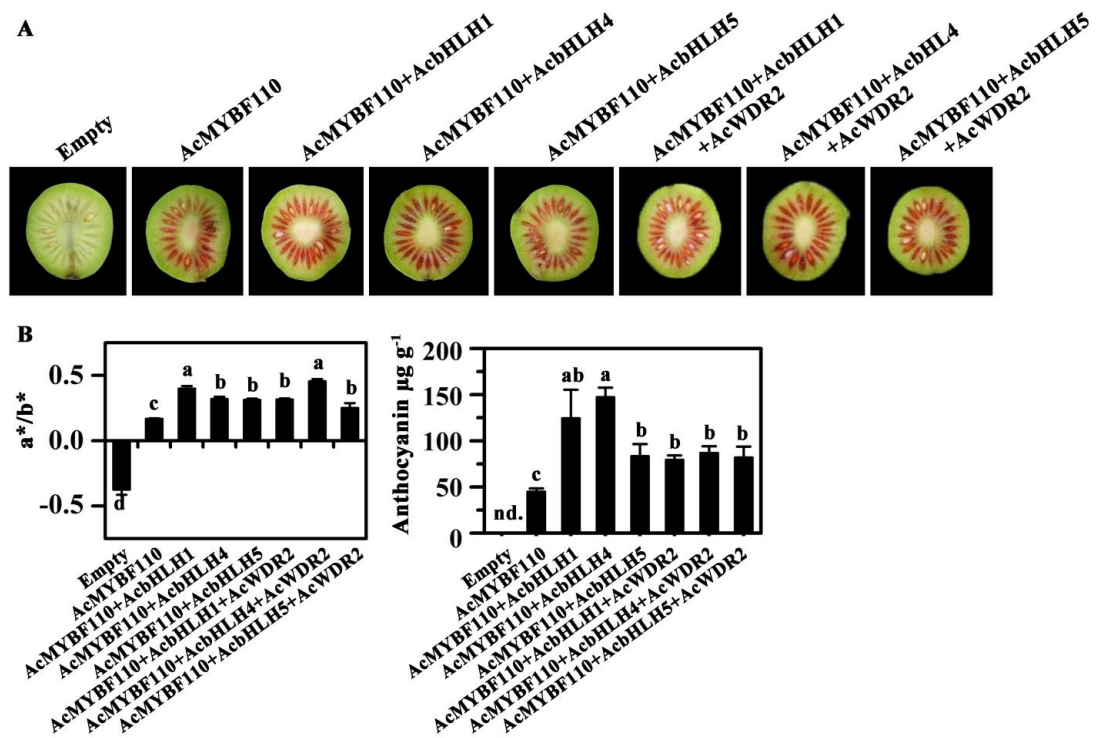


Fig. S11 The phenotype (A), color value (B) and anthocyanin contents (C) of *A. arguta* 10 days after infiltration with *AcMYBF110*, *AcbHLH1/4/5* and *AcWDR2*. Error bars show the SEs of the means ($n = 3$). Lowercase letters indicate significant differences at $P < 0.05$ (one-way ANOVA tests).