



Figure S1. The henotypes of yellow petal cultivars 'Strong Golden' (A) and its budding cultivars 'Strong Fire' (B).

Table S1. The sequence of primers used in this study.

Primer	Sequence 5'-3'	Experiment
TgUBQ10-F	GTCGCACGTTGGCTGATTAC	RT-qPCR
TgUBQ10-R	GGGCTTAAAGACCACCACGA	
TgMYB4-F	GGAGCGAGGAGAAGACGATG	
TgMYB4-R	GTCCAACACTCCACTGCCAT	
NtEF1 α -F	TGGTTGTGACTTTTGGTCCCA	
NtEF1 α -R	ACAAACCCACGCTTGAGATCC	
NtCHS-F	AAGCAAGAGAAACTAAAGGCTACAAG	
NtCHS-R	AAATCCAAAAAGCACACCCCAT	
NtCHI-F	CGGGTGCCTCCATTCTTTTACT	
NtCHI-R	CCTGACACTCTTTCGGCGATACTAC	
NtF3H-F	CCAGACAAACCAGATGGATGGATAG	
NtF3H-R	CAAGGGTAAGGTCGGGCTGTG	
NtF3'H-F	TGGCTATTTTCATTCCAAAAGGCTCA	
NtF3'H-R	CTTCAAAGTCATTTCCTCGCACATC	
NtFLS-F	CTTGAAGGGAAAAGGGGTGG	
NtFLS-R	CGCAACTTCTCGCAGCCTCT	
NtDFR-F	GCAGTTGCTTCCCTTTTCTACC	
NtDFR-R	TTCCCCATTGGTTGACTTTCC	
NtANS-F	GTGCCTGGGTACAACCTTTCTATG	
NtANS-R	CATTGCTTAGGATTTCAGGGGTGTC	
TgMYB4-F	ATGGGAAGGTCTCCATGCTG	Gene cloning
TgMYB4-R	TTCCATTTCAACTGTTCTATAGTCC	
p101YFP-TgMYB4-F	CATATGGGATCTACTAGTGAATTCATGGGAAGGTCTCC ATGCTGTGAGA	Subcellular localization
p101YFP-TgMYB4-R	CCCGGGGTACCGTCGACGGATCCCTTTTCCATTTCAA CTGTTCTATAGT	
pCAMBIA2300s- TgMYB4-F	AGCTTTCGCGAGCTCGGTACCATGGGAAGGTCTCCATG CTGTGAGA	Plant transformation
pCAMBIA2300s- TgMYB4-R	TGCCTGCAGGTCGACTCTAGACTTTTCCATTTCAACTG TTCTATAGT	
pGreenII 0800-AtDFR- F	TATAGGGCGAATTGGGTACCTTAAGCTTTTCCAAGATTT ATA	LUC
pGreenII 0800-AtDFR- R	GAAGTAGTGGATCCCCGGGTTTTGTGGTTATATGATAG ATT	
pGreenII 0800-TfANS- F	TATAGGGCGAATTGGGTACCTCTCATCCGTGGAGTCAA AC	
pGreenII 0800-TfANS- R	GAAGTAGTGGATCCCCGGGTTTGTGAGTTGAGAGG AAG-3'	
pGreenII 62- SK-TgMYB4-F	CGCTCTAGAACTAGTGGATCCATGGGAAGGTCTCCATG CTGTGAGA	

Primer	Sequence 5'-3'	Experiment
pGreenII 62-SK-TgMYB4-R	GATAAGCTTGATATCGAATTCCTTTCCATTTCAACTGTTCTATAGT	LUC
SK-AtPAP1-F	CGCTCTAGAACTAGTGGATCC ATGGAGGGTTCGTCCAAAGG	
SK-AtPAP1-R	GATAAGCTTGATATCGAATTC ATCAAATTTACAGTCTCTC	
SK-TgBHLH42-1-F	CGCTCTAGAACTAGTGGATCC ATGGCCGCACCGCAGAG	
SK-TgBHLH42-1-R	GATAAGCTTGATATCGAATTC GCATAGAGAGTACTGGG	
pGADT7-TgMYB4-F	GCCATGGAGGCCAGTGAATTCATGGGAAGGTCTCCATGCTGT	Yeast assays
pGADT7-TgMYB4-R	ATTCATCTGCAGCTCGAGCTCTCATTCCATTTCAACTGTTCTATAGTC C	
pHIS-TfANS-F	ACTCACTATAGGGCGAATTCTCTCATCCGTGGAGTCA	
pHIS-TfANS-R	TAATGCCAGGAATTACTAGTTGTTGTGAGTTGAGAGG	
pHIS-AtDFR-F	ACTCACTATAGGGCGAATTCTTAAAGCTTTTCCAAGAT	
pHIS-AtDFR-R	TAATGCCAGGAATTACTAGTTTTTGTGGTTATATGATA	
pGBKT7-TgMYB4-F	ATGGCCATGGAGGCCGAATTCATGGGAAGGTCTCCATGCTGT	
pGBKT7-TgMYB4-R	CTAGTTATGCGCCGCTGCAGTCATTCCATTTCAACTGTTCTATAGT CC	
AD-TgBHLH42-1F	GCCATGGAGGCCAGTGAATTCATGGCCGCACCGCAGAGCAG	
AD-TgBHLH42-1R	CAGCTCGAGCTCGATGGATCCTTAGCATAGAGAGTACTGGG	
nLUC-bHLH2F	ACGGGGGACGAGCTCGGTACCATGGCCGCACCGCAGAG	BiLC
nLUC-bHLH2R	CGCGTACGAGATCTGGTCGAC GCATAGAGAGTACTGG	
cLuc-TgMYB4-F	TACGCGTCCCGGGGCGGTACCATGGGAAGGTCTCCATGCTGTGAGA	
cLuc-TgMYB4-R	ACGAAAGCTCTGCAGGTCGACCTTTTCCATTTCAACTGTTCTATAGT	
TRV1-F	ATTGAGGCGAAGTACGATGG	VIGS
TRV1-R	CCATCCACAATTATTTTCCGC	
TRV2-F	ATTCATGGGAGATGATACGCT	
TRV2-R	AGTCGGCCAAACGCCGATCTCA	
TRV2-TgMYB4-F	AGTAAGGTTACCGAATTCTCTAGAAAGAACTACTGGAACACTCA	
TRV2-TgMYB4-R	CCGGGCCTCGAGACGCGTGAGCTCCTTTTCCATTTCAACTGTTCTAT	