

Table S2. Primers used for CRISPR/Cas9-mediated editing of *LsMYB1*

Primer name	Primer sequences (5'-3')	Function
LsT1-F	GTCACCAGGTAATAATACGGGTAT	Primers for ligating the sgRNA expression cassettes to the T1 and T2 target sites.
LsT1-R	AAACATAACCCGTATTATTACCTGG	
LsT2-F	ATTGTTGATAGCGGGGAGAATACC	
LsT2-R	AAACGGTATTCTCCCCGCTATCAA	
U-F	CTCCGTTTTACCTGTGGAATCG	Primers used in the first-round PCR for vector construction.
gRNA-R	CGGAGGAAAATTCCATCCAC	
Uctcg-B1'	TTCAGAGGTCTCTCTCGACTAGTGG	Universal primers used in the second-round PCR for T1 target sites during vector construction.
gRctga-B2	AATCGGCAGCAA AGCGTGGGTCTCGTCAGGGTCCATC CACTCCAAGCTC	
Uctga-B2'	TTCAGAGGTCTCTCTGACACTGGAA	Universal primers used in the second-round PCR for T2 target sites during vector construction.
gRcgg-BL	TCGGCAGCAAAG AGCGTGGGTCTCGACCGACGCGTC CATCCACTCCAAG	
Hyg-F	AAGAAGATGTTGGCGACCTCGTATT	Primers used for positive identification of gene-edited lines.
Hyg-R	CGGAAGTGCTTGACATTGGGGAGT T	
1Hi-TomF	GGAGTGAGTACGGTGTGCAACTTC	Sequencing primers for the T1 and T2 target site in gene-edited lines.
	AACCTTGTATGTATGTCCA	
1Hi-TomR	GAGTTGGATGCTGGATGGTTAGAT AATTTAACCATCGTAGCCT	
2Hi-TomF	GGAGTGAGTACGGTGTGCTTCACAT ATAAGTAA	
2Hi-TomR	GAGTTGGATGCTGGATGGGCTTTAG GGTTTTGG	
Ls18s-qF	GTGAGTGAAGAAGGGCAATG	Primer sequences for qRT-PCR analysis of anthocyanin biosynthetic genes and internal reference in gene-edited and wild-type plants.
Ls18s-qR	CACCTTCAACCCGATTCACC	
LsCHI-qF	CACCGCTATCGGAGTTTA	
LsCHI-qR	CCGTACTGTGATCCCTTG	
LsCHS-qF	AAGCGAGCACAAGACAGA	
LsCHS-qR	ACTTCCACGACAACGATA	
LsDFR-qF	ACTGTTTCGTGACCCTGAT	
LsDFR-qR	CCTTCTATTGTTGGCTTTAT	
LsF3'5'H-qF	TGGCTGAAATAGTAGGGT	
LsF3'5'H-qR	TGGAGTATGTAAACGGAAT	
LsF3H-qF	CTAAGGAATACAGCGAGGTG	
LsF3H-qR	TGAGATCGGGTTGAGGAC	
LsPAL-qF	CCCATTATCCTACATCGC	
LsPAL-qR	TCTTTCGGCTGTAACTCG	