

Supplementary materials

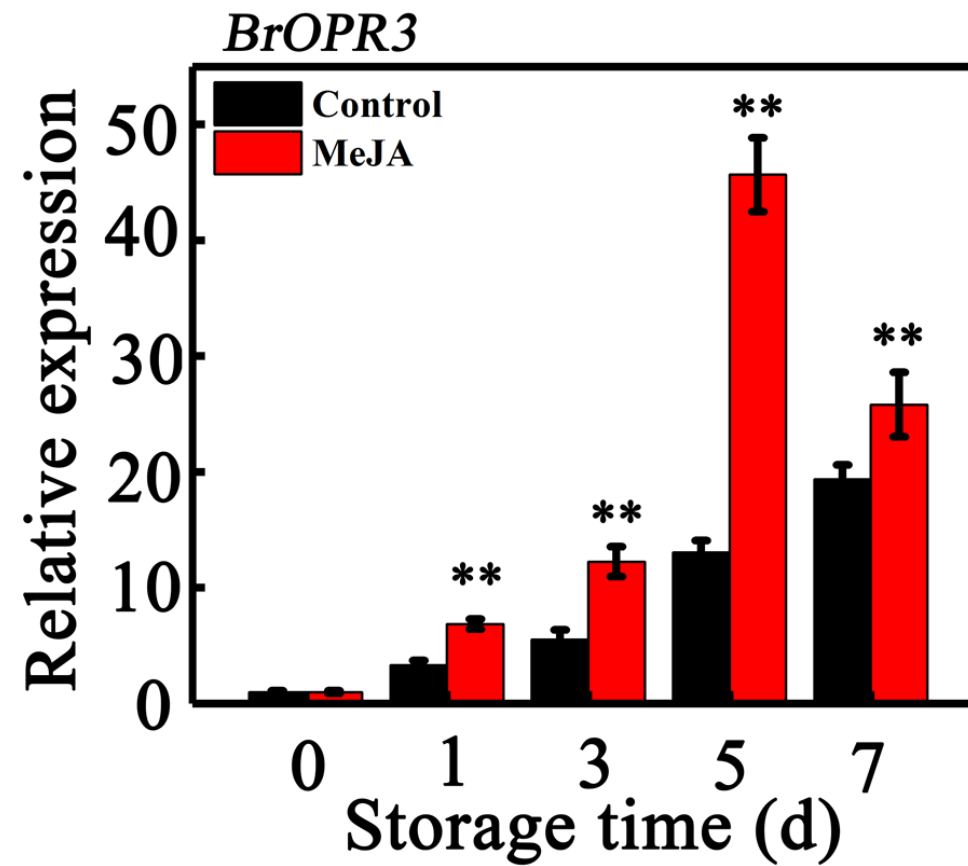


Figure S1. Relative expression of *BrOPR3* in control and MeJA-treated cabbage leaves during senescence. Each value represents the mean $\pm$ S.E. of three biological replicates. Asterisks indicate a significant difference in MeJA-treated leaves compared with control leaves (Student's *t*-test: ** $P < 0.01$).

Table S1. List of primers used in this study.

Assay	primer sequence		Restriction Site	
RT-qPCR		Forward primer(5'-3')	Reverse primer(5'-3')	
	BrActin1	CGCTTAACCCGAAAGCTAAC	TACGCCCACTAGCGTAAAG	
	BrTCP7	CAGCAAAGTCGACGGAAGAG	AGAGAGTGCAGTTTCGTGGAA	
	BrOPR3	CGGACCAGACCGTGTTTGGCAITTA	TCATAGGCACAAGCAAGTGAGGACA	
	BrRCCR	AGACTCACCGTTCAAGCTCA	AAGGAGTTGAGAGTGGAGGC	
	BrNYC1	CGGAGACGGTGGCTAGAACG	TGCTTCTCCTGAGCCACGAC	
	BrPPH1	TATCTGATGCGCGGGTGGAT	TTCCCGACCAATGCTGGACT	
	BrPAO1	CAGCTTCAGCGACACTCACC	TCGCCGTGCTCTTCTTCGAT	
	BrSGR1	GTTGGGGTCCGCTTTGGGAA	AATCGAGCTAACCTGCGGGA	
	BrSGR2	GCAGCACAACCACGATGGAA	CGATGAGACCACGGGATCGT	
	BrSAG12	CACTGGCGGCTTAACCACTGAA	GAAGATTGGCTGTATCCTACGGC	
	BrSAG19	GCAAGCGAGCGTTGGTAAAGGT	GGGTTGATTCTTCCACTCCCTTC	
Subcellular localization	BrTCP7-GFP-For	ATCTAGAGCAGTCGACGGTACCATGTCTAATAACGACGGAGTTATGA		AgeI
	BrTCP7-GFP-Rev	CTCCTCGCCCTTGCTCACCATACGCTGGTCATCCTCTCTCC		AgeI
EMSA	pGEX-4T-1-BrTCP7-For	GGTTCGCGTGGATCC ATGTCTAATAACGACGGAGTTATGA		BamHI
	pGEX-4T-1-BrTCP7-Rev	AGTCACGATGCGGCCGC TCAACGCTGGTCATCCTCTC		NotI
	EMSA -BrRCCRpro-For	ATGAGAAGAATTTCTGTGGTGGGTGGGTCCCATATGACGGAGATAAAGAAC		
	EMSA -BrRCCRpro-Rev	GTTCTTTTATCTCCGTCATATGGGACCCACCCACCACGAAATTCCTTCAT		
	EMSA –BrOPR3pro-For	GCTAGACAGATACATACCTCCGGTCCACCTGAACCAATCATAGCCTGGC		
	EMSA –BrOPR3pro-Rev	GCCAGGCTATGATTGGTTTCAGGTGGGACCGGAGGTATGTATCTGTCTAGC		
Dual LUC assay	pBD-BrTCP7-For	TCGCCGACCGGTAGGCCTATGTCTAATAACGACGGAGTTATGA		Stu I
	pBD-BrTCP7-Rev	AACCAGAGTTAAAGGCCTTCAACGCTGGTCATCCTCTC		Stu I
	pEAQ-BrTCP7-For	CAAATTCGCGACCGGT ATGTCTAATAACGACGGAGTTATGA		AgeI
	pEAQ-BrTCP7-Rev	AGTTAAAGGCCTCGAG TCAACGCTGGTCATCCTCTC		XhoI
	0800-BrRCCR-For	TATAGGGCGAATTGGGTACCAACGGTACCGGACAAGTGG		KpnI
	0800-BrRCCR-Rev	TTGGCGTCTTCCATGGCTTTTATTATATGTGGCTGTG		NcoI
	0800-BrOPR3-For	TATAGGGCGAATTGGTGGGCTTGATGTTTGGGCC		KpnI
	0800-BrOPR3-Rev	TTGGCGTCTTCCATGGGAATTTCTGTGATTCTTTTCTCTCA		NcoI

Text S1. Promoter nucleotide sequences of *BrOPR3* and *BrRCCR*. GTGGTCCC is marked by red and boxed. Translation start site (ATG) was shown in yellow box.

BrOPR3 (NW_008711256.1) promoter

TTTGGGCTTGTATGGTTTGGGCCGCGGGCCGTTTATAGCATTTAGACTGTAGCCGGTTTGGCTTATGGGCTTCGTGCCT
TTTTGTTTATGCGTTTGGGCTTCAGACTATGTAATTAGGCTTGGCCCGGTATTATTATTAATCTAAATAAAATCTTGACG
GAAAAAAAAAAAAAAAAAGAATGTCACACATGTACAATATGTACAAAGGATCTTTTTTTGAATAAGCAAGAAACAGCTAG
ACAGATACATACCTCCGGTCCCACCTGAACCAATCATAGCCTGGCGGCTAAGTCTTACAGTTGAATTGTTTCATGGGTT
GTCCATATGGTGATGTGAACCATACACATTACACTAAATACTGATAAAAAAGGATACCAACTCTTCTATTTCGACTTAT
GTTTTTCGGTCTTGAATTTCTAAATCAGTTACTCTAAATCAACAACCTTATGTTTTTCAAATCTGAACCTTTTATGTTACTC
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ACCTTAACCTTTTGTCTGTCTGGTGGTCAAAGTTGGACAAAGTCAATCCAATTATTTTCTTTTAAATTATTAATAATTATA
TGAGGCCCATTAAGTTTTGTCTGTAAATTATTCTCTAAAAGTCGAATCTCAACTGTAGGACGGAGTAAGAAAGAAAC
GAGCATTATTGTGGTTAAGTTCAAAGTGGTGGTTACTCTCTAATGTCGTCAATGCATACGTCATGTAAATGCAAGTGG
ATGGGGTCCACGGATGCATGCGTCCTCAATGACGTCCACGTCCAAAGAAAAAACTTACTTTCCTAATATGTATATCTA
ACCAAATGTGTATATTTGAACAAAAAAAAAAAAACCAAATGTGTATATATATATGTCGCAGATATAACCATCTTCGTCC
ACAACCTACCAAAAACCTTGAAAGTGTTTTGAGAGAAAAAGAATCACAGAAATTCATG

BrRCCR (XM_009140630.2) promoter

AACGGTACCGGACAAGTGGGAGTTTCGCTAACGACAACCTTCCGGAGAGGACAAGAGGAACTGCTGTCTGGAGATACGGC
GGCGCAAGGCGGTGATCGCCGCGGCAGGGAAATGCGTAGTCGTTGGTTTCGCCGTCGGAGTCAAACCTCGGCGGGTGAC
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