

Table 1 Suppl. Primer sequences used in this study for real time quantitative PCR. The last two are for virus-induced gene silencing .

Primer name	Forward primer (5'→3')	Reverse primer (5'→3')
qCaCAO	CTTTGAGCAAGAGGGAATG	TTGGGACACTCCATCCTTTA
qCaCS	ACTTCTCAACTCTGTGCCATCT	ATGAGTGAAGAGCGAAGA
qCaCHLD	TTGTTTCAGATTCCGCTTGG	TATGTAGCAATTAGTAGTGGTTTGC
qCaCAR	AGCCATTGTGGTTTGTGC	CTTCCACCATCCCAGTTT
qCaCHSL	CTACATTTCGCTTCTACACC	TGGCTGGAAATGGATACACG
qCaZCD	TTTGGTGGTCGTCGTTTG	TTTCATCAGACGGAATAGA
qCaLYCB	TCAAGTAGCTTATGGCATTT	CCCAAACCAGGACGAGCA
qCaPDS	TTTTGCGGAACAACGAGA	AAGCCTGACCGCCGACCAT
qCBF1	CTATTATTCGGACCCACTT	CTTGATTCTTATTGGGTTC
qPROx1	AAACTCGGCTCCGTCACCA	ATTCATTACCCACATACCC
qSOD	ATGGAGCCTTAGAACCTGC	CCGCCATTGAACTTGATAG
qCaMYB	AGATTGCCGGGAAGAACAGCAAAC	TTGCACTTGATGAGAAGGTCCGAG
qCaDFR	CAGAGGGAAGATTCATTT	GCAGAAATGGGAATGGTT
qCaPAL	TGCCTCCACTCGGGATGAT	TTCCGATAGGATCACAGAACG
qCaMYC	CAATGGAGCTATAAAGACTAGGAA	GGAAAAGAGAAAGAAACACACATG
qCaWD40	GTGTGAATGCTATTGCTTGG	GGAGGAGGACCACTGAAG
qCaUFGT	GGATGGTGTCAAACAAGGC	GTTCAGTACAACACCATCTGC
qCaF3H	GGCATGTGTGGATATGGACC	CCTCCGGTGCTGGATTCTG
qCaCHS	GTGGAACCGTTATCCGACTAGCAA	GTATCACTTGGGCCACGGAAAGTA
qCaCHI	CCTCCTGGTTCTACACCACC	CTTTGCGGCAGGTGAAACTC
qCaANS	CAAATGCCCACAACCAGAACTAGC	CGCACTTTGCAGTTACCCACTTTC
qCaUBI3	TGTCCATCTGCTCTCTGTTG	CACCCCAAGCACAATAAGAC
VCaPAL	GCTCTAGA GCTTGCTTGATGCGACAC	CTCGAG ACTGCCTACATAAGTTGAGA
VCaPDS	GGGGAATTCTGTTGTCAAACTCCAAGGTCTGTA	GGGGGATCCTTTCTCCCACTTGGTTCACCTCTGT

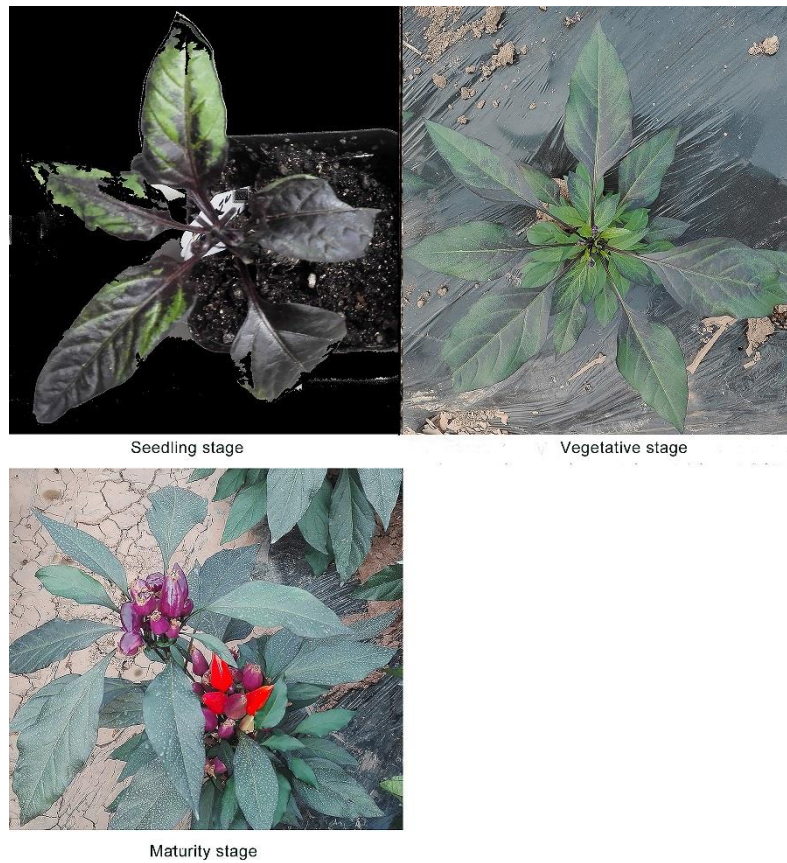


Fig. 1 Suppl. The phenotype of the purple-leaved pepper cultivar Z1 at different growth stages. A - Seeding stage (30 d after sowing); B - Vegetative stage (75 d after sowing); C - Maturity stage (100 d after sowing).

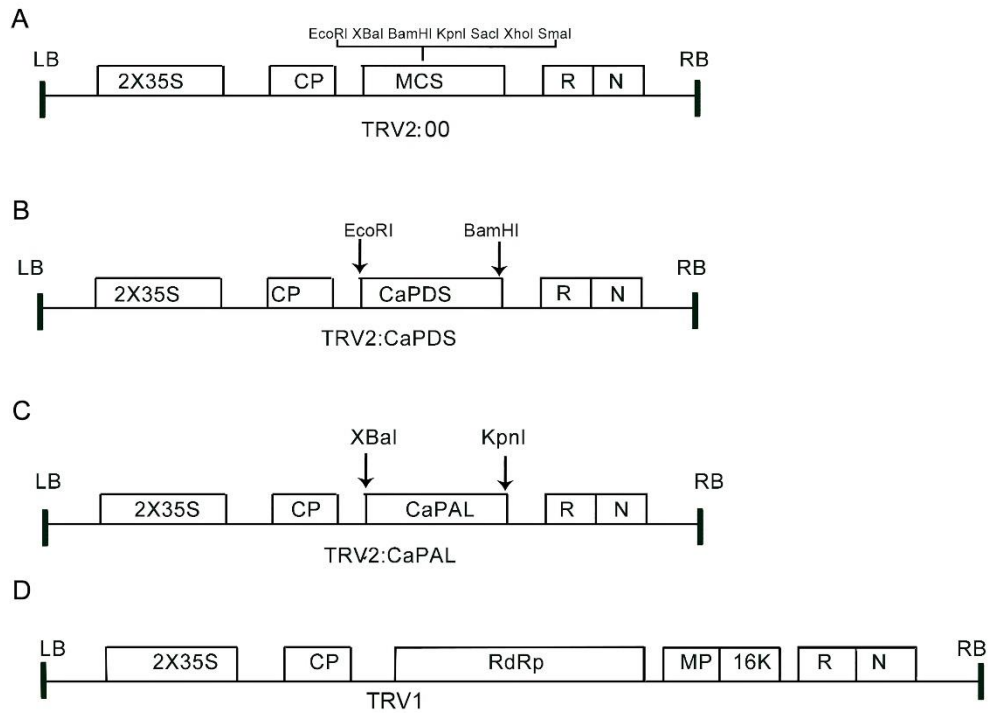


Fig. 2 Suppl. Construction of vectors for virus-induced gene silencing (VIGS). A - Empty TRV2 vector; B - TRV2:CaPDS vector; C - TRV2:CaPAL vector; D - TRV1 vector. TRV - tobacco rattle virus; LB and RB - left and right borders of TRV2 vector DNA; CP - coat protein; MP - movement proteins; 2X35S - two copies of TRV2 with the 35S promoter; RdRp - RNA-dependent RNA polymerase; 16 K - 16 KDa protein; MCS - multiple cloning sites; R and N - ribozyme and nos-terminators).