

**Supplemental Table 4.** Primer sequences used for the assembly of expression vectors and virus-induced gene-silencing constructs, to confirm the infiltration of plants with tobacco rattle virus, and for real-time quantitative PCR (RT-qPCR) analyses.

**Expression of recombinant proteins**

Primers used to amplify ORFs from cDNA for ligation to pRSETA

ORF	Forward primer	Reverse primer
<i>SOMT1</i>	ATTGGATCCATGGCTACCAATGGCGAAATTT	TGCCTGCAGCCATTCATTTGTGAAACTC
<i>SOMT2</i>	CGGGATCCATGGAAATTCATTTAGAAAGCC	TGCTGCAGCTAAGGATAAGCAACAATAA
<i>SOMT3</i>	TGGGGATCCATGGAAGTAGTAAGTAAG	TAGGTACCTCAATGAGGGTAAGCCTCA

**Virus-induced gene silencing**

Sequence	Forward primer	Reverse primer
Primers used in sequence amplification for ligation to pTRV2		
SOMT1V	GACTCTAGACGATTTACTCCTGATGGCTC	ACTCGAGGAGCAAATGCATGAAATGGATG
SOMT2V	TCTAGATCTCACTGTGATGAACCATGG	CTCGAGCTACCGAATGAGAATGCATAA
SOMT3V	CTATCTAGACCCTTTGGTTAATTGTTG	CATCTCGAGGTAATTGATAATTAAGATCAC

Primers used for the detection of *A. tumefaciens*-infiltrated opium poppy plants.

TRV2-coat	ATGGGAGATATGTACGATG	TAGGGATTAGGACGTATC
GAPDH	CTCATTTGAAGGGTGGAGC	GTCATTGCGTGGACAGTGG

**RT-qPCR**

Primers used for relative quantification of gene-specific transcript abundance

Gene	Forward primer	Reverse primer
<i>SOMT1</i>	TATGGTCATAATCATCAATCA	TTGGAATGCATATTA ACTTCC
<i>SOMT2</i>	CGTCCAGGTGTTGAGTTCATC	TCCCAATTGTGCAGGACATAC
<i>SOMT3</i>	GCTTCAGCATTGGTTAACGAG	GCTTTGGATATGGCTTTCACTG
<i>Actin</i>	TCTCAACCCAAAGGCTAATCG	CCCCAGAATCCAAGACAATACC
<i>4'OMT1</i>	GGAGTTGAGAAGGTTTACTCG	CCTTGAGTATCATCGGCACC
<i>6OMT</i>	GCTCTAGAGTCACTCAGATAT	CAGCTCGAGCAATGCAAGTTG
<i>7OMT</i>	GTAGCCATTTTGTGATCGAG	CCATCATCATCTCCCAACATCG
<i>N7OMT</i>	GGTCTCAACAATCAATGGTTCC	GCTCTTTCCTAACGCTGTCTC