

Table 1 Suppl. Primers for real-time quantitative PCR used in this study.

Gene	Forward 5'-3'	Reverse 5'-3'
<i>GL2-Like</i>	AGAAAATTACCCTCCGGCTG	TGACAATTACACGGTACAGGG
<i>CycB2</i>	ACAGCATCACCAACATCTCC	ATACATAAGGCACCTTGGACAG
<i>HD-8</i>	GCCAAATCCATGTCAACTCTC	ATTCCCCTCGTAGTTTTCTGC
<i>MIXTA</i>	AAAGGGCCATGGATTCTG	CCCCTCTTTATATCTGGTCGC
<i>MYB76-Like</i>	GGACCTTGGACACCTGAAG	ACCTTAGCCTGCAACTCTTTC
<i>WIN1-Like</i>	TCTGAAATTCGACACCCCTTG	GCGGCCACTCATTAAATATTGC
<i>Mict</i>	ACCCTTTGTTTCTCGACCTG	TCTTATCCAACCTGATTCATGGCA
<i>GL3</i>	GGAAAACGATTAGCATTAGAGC	GTTTGGACATGTAGCATTGCC
<i>GAPDH</i>	TGAAGCAGGTGAAAACGGAG	ACGACAGGTGTGATTTGGG

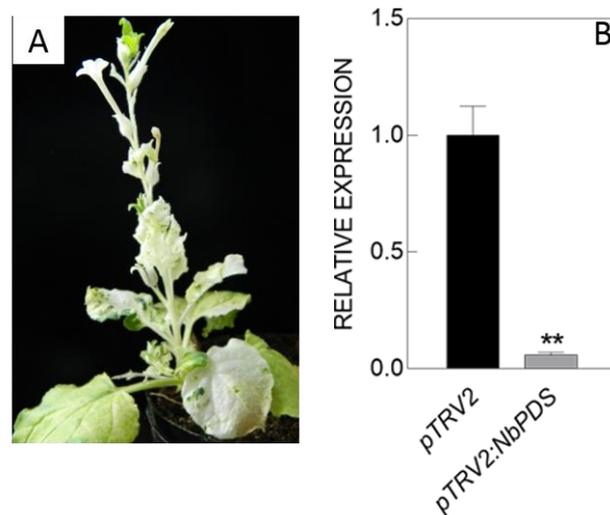


Fig. 1 Suppl. Virus induced gene silencing of *Nicotiana benthamiana phytoene desaturase (NbPDS)*. *A* - Systematic blanching phenotype of an *NbPDS* silenced plant after 30 days after infiltration (DAI). *B* - Relative expression of *NbPDS*. Ribonucleic acid was extracted from blanching leaves at 30 DAI. Expression of *NbPDS* was determined by real-time quantitative PCR, normalized to that of an internal control gene, *glyceraldehyde-3-phosphate dehydrogenase*. Expression of a negative control plant was set to 1. Means \pm SEs, n = 3. The Student's *t*-test was calculated at the probability of 1 % (** - $P < 0.01$).

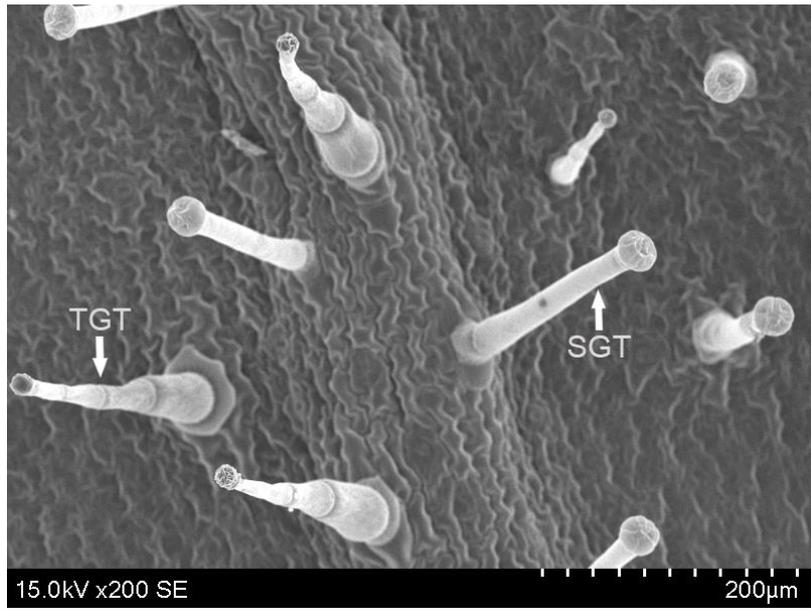


Fig. 2 Suppl. A tall glandular trichome (TGT) and a short glandular trichome (SGT) on tobacco leaves. *Scale bars:* 200µm.