

**S-Nitrosogluthione reductase (GSNOR) mediates the biosynthesis of
jasmonic acid and ethylene induced by feeding of the insect herbivore
Manduca sexta and is important for jasmonate-elicited responses in *Nicotiana
attenuata***

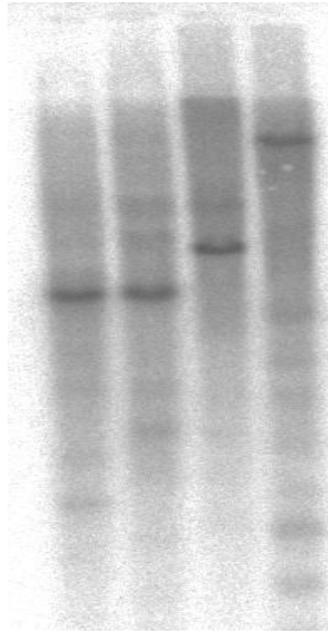
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Supplementary Material



Fig. S1. Alignment of protein sequences of GSNOR in *Nicotiana attenuata*, *Solanum lycopersicum*, and *Arabidopsis thaliana*.

Arabidopsis AtGSNOR1 (NP_199207) and *Solanum lycopersicum* SIGSNOR (ADB43258) were retrieved from GenBank. Protein sequences were aligned using the ClustalW algorithm. Shaded sequences indicate exact matches with the consensus sequence.



EcoRI HindIII EcoRV XbaI

Fig. S2. Southern blotting analysis of *NaGSNOR* in *N. attenuata*.

N. attenuata genomic DNA was digested with various restriction enzymes. Following the separation on a 1% agarose gel, the DNA was blotted onto a nylon membrane and hybridized with a radio-labeled partial *NaGSNOR* cDNA probe.



Fig. S3. Morphology of EV and *NaGSNOR*-VIGS plants.

Supplementary Table S1 Primer pairs used for qRT-PCR

Genes	Forward Primer	Reverse Primer
<i>NaGSNOR</i>	5'-CCTCTGGTGATCGAGGATGT	5'-TCTCCTGGCTGAACCTCAGT
<i>NaTPI</i>	5'-TCAGGAGATAGTAAATATGGCTGTTCA	5'-ATCTGCATGTTCCACATTGCTTA
<i>NaJAZ3</i>	5'-CAATCGCGAGACGAGCTTCA	5'-CTCAGCTTTCCTGGAAATTGAG
<i>NaTD</i>	5'-TAAGGCATTTGATGGGAGGC	5'-TCTCCCTGTTACGATAATGGAA
<i>Actin</i>	5'-GGTCGTACCACCGGTATTGTG	5'-GTCAAGACGGAGAATGGCATG