**Table S2** The primers used in quantitative RT-PCR analysis of transgenic lines and Wild Type

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| --- | --- | --- |
| Gene Name | Primer | Sequence(5'-3') |
| *NtGS1-3* | *NtGS1-3-F* | CGGAGACTGCTAGAGTGGTTGTGT |
|  | *NtGS1-3-R* | GAAGGTGCTGATGTTGGCTGTTT |
| *NtGS1-5* | *NtGS1-5-F* | TCTCACTGGAAGACACGAAACAGC |
|  | *NtGS1-5-R* | CGGATAGGATAGTGGTCTCAGCAA |
| *NtGS2* | *NtGS2-F* | ATGGCAGATGAGAATGACAAAGAGC |
|  | *NtGS2-R* | GTACGGAGTTACATCCAAGTTTAGCAG |
| *TaGS1* | *TaGS1-RT-F* | AACCAATCTCGTTACACCAAATCG |
|  | *TaGS1-RT-R* | GTGCTGGAGCCGTCGAAGTTC |
| *TaGS2* | *TaGS2-RT-F* | AACCAATCTCGTTACACCAAATCG |
|  | *TaGS2-RT-R* | CCAGATCCTCCAACCCAGATGTAC |
| *NtActin* | *NtActin-F* | TACTTACTGAAGCACCCTTGAATCC |
|  | *NtActin-R* | GATCACGACCAGCAAGATCCAAC |