

Additional file 5: Table S2: Primers used in this study

Sequence	Name	purpose
ataaagcttttcgaggcgtatgcgttcac ataggatcctcgtcgtcgtcgtctacaaa	proP5CS1_HindIII-f proP5CS1_BamHI-r	<i>P5CS1</i> promoter for insertion in pBI121
ataaagctttgggatacatgatttcactatgtgtg ataggatcctcgtcgtcgtcgtctacaaa	proP5CS2_HindIII-f proP5Cs2_BamHI-r	<i>P5CS2</i> promoter for insertion in pBI121
gaccatgattacgccaagcttTATGAAGAAAGATTCGGATTCAAG ccaccggggatcctctagaTTTTGGATTTTTAGGAACTTTTG	pro17340-f pro17340-r	17340 promoter for insertion in pBI121
gtCCCgggTTCGGAGTAAACGCCATtttg caccgagctcactagTtcgatttacgattatac	proLtp12_Sma-r proLtp12_SacSpe-f	<i>Ltp12</i> promoter for insertion in pHGWS7
ggcgtttcctggttgataac GGCACAGCACATCAAAGAGAT	proP5CS1_GUS-f proP5CS1_GUS-r	Genotyping of <i>pP5CS1:GUS</i> transgenic plants
tgctaagaacaaccgacaacaaaa CCAGCCATGCACACTGATAC	proP5CS2_GUS-f proP5CS2_GUS-r	Genotyping of <i>pP5CS2:GUS</i> transgenic plants
AAACCTCCTCGGATTCCATTG GCAATTGCCCGGCTTTCTTGTAAC	35S-f GUS-5'-r	Genotyping of pBI121 transgenic plants Genotyping of <i>GUS</i> transgenic plants
ataggatccATGACGGAGATCGATCGTTC gaagagctcCTAAATTCCATTCTCAACAGC	P5CS2_BamHI-f P5CS2_SacI-r1	<i>P5CS2</i> cloning in pBI121
caccATGgCGGAGATCGATCGTTCAC aagagctcaCTAAATTCCATTCTCAACAGC	P5CS2_Nco-Ef P5CS2_SacI-r2	<i>P5CS2</i> cloning in pENTR
ATCGATCTCCGcCATgATCTTCGGAGTAAACGCCA gcccccttcaccatgtgtagtgtgtttccaagca	proLtp12_P5CS2-r proLtp12_pENTR-f	<i>Ltp12</i> promoter for pENTR- <i>P5CS2</i>
AAACCTCCTCGGATTCCATTG TTGCCATGTCCAGTTTACCAGA	17340_P5CS2-f 17340_P5CS2-r	<i>p17340:P5CS2</i> and <i>p17340:GUS</i> detection <i>p17340:P5CS2</i> detection
CTGTTGGGGGTAAACTCATTG	P5CS1-f	<i>P5CS1</i> : gene detection
CTGTTGGGGGTAAACTCATTG	P5CS1-r	<i>P5CS1</i> : gene detection
GCGTGGACCGCTTGCTGCAACT	LBb1-r	<i>P5CS1</i> :T-DNA junction detection
GGAGCAGAATGGTTTTCTCG	P5CS2-f	<i>P5CS2</i> : gene detection
TGGAAAACAGCAGCActgtc	P5CS2-r	<i>P5CS2</i> : gene detection
tatctgggaatggcgaaatc	Gabi-LB-r	<i>P5CS2</i> :T-DNA junction detection
CAAGCAATGGTGAAGAGTAAA CGGGGCTCAAGAAAAATCC	Sul-f Sul-r	detection of <i>sul</i> resistance gene