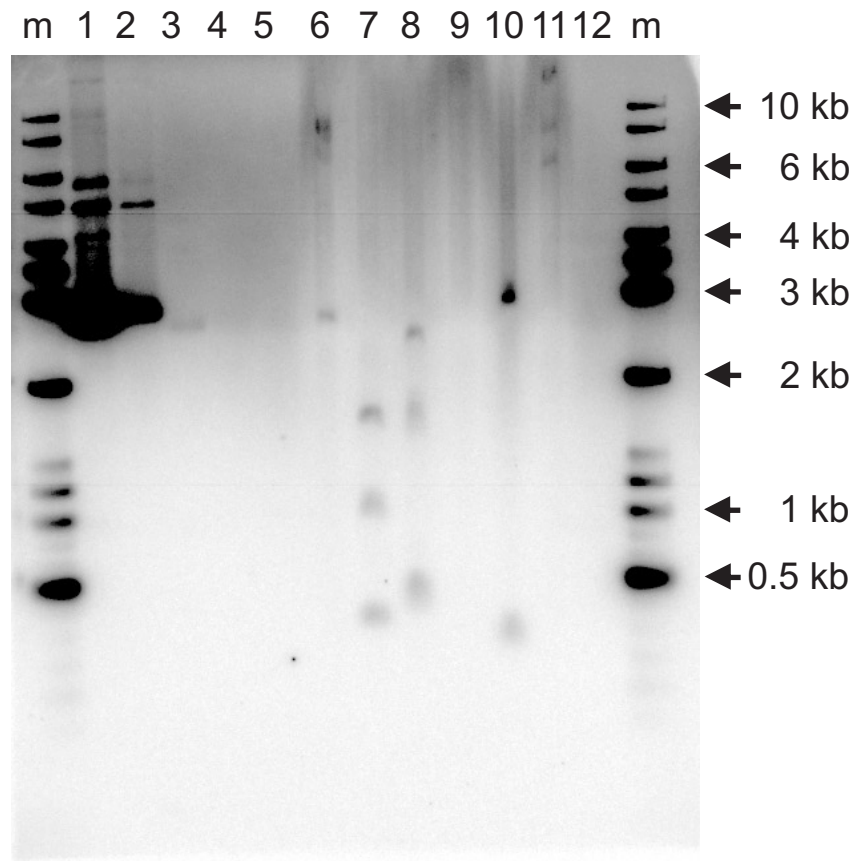
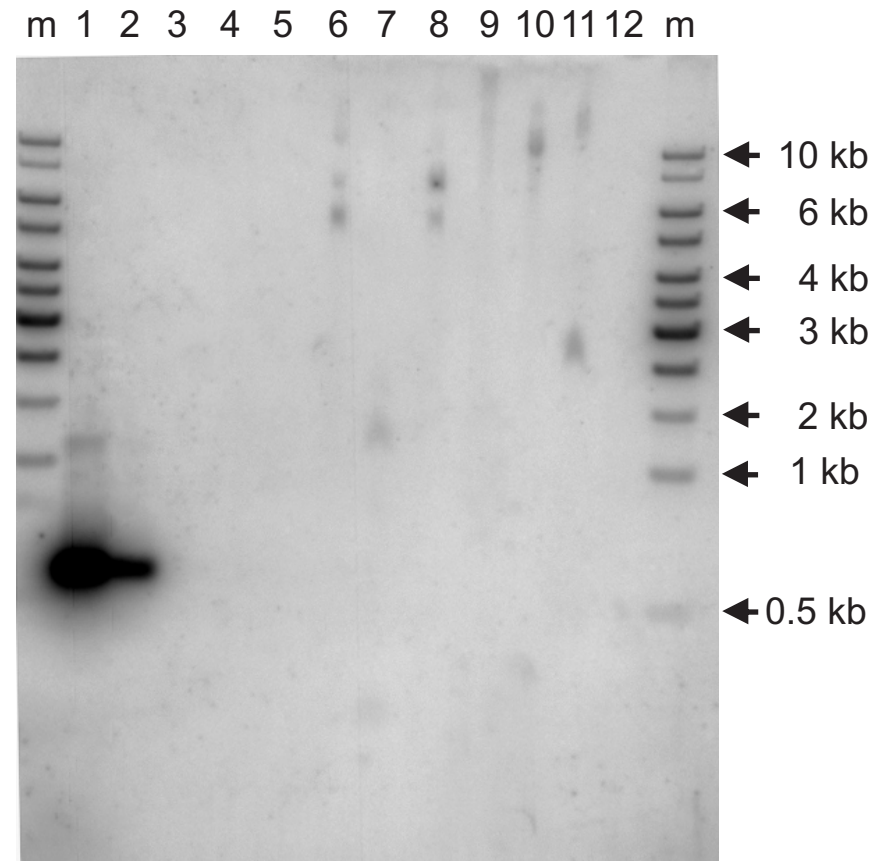




A



B

Additionally File 1. Southern hybridization experiments to determine the copy number of *LEAFY* (A) and *cGAPDH* (B) using genomic DNA of plant sample H20.

Size standard (DNA Ladder Mix, Fermentas, St. Leon-Rot, Germany) with lengths of some bands is indicated by „m“. A) *LEAFY*: lane 1-2: plasmid DNA with *LEAFY* (approximately 1200 bp) as positive control (1 ng and 0.1 ng, respectively); lane 3-4: plasmid DNA with *cGAPDH* (approximately 850 bp) as negative control (1 ng and 0.1 ng, respectively); lane 5: empty; lane 6: *EcoRI* digestion; lane 7: *HincII* digestion; lane 8: *HindIII* digestion; lane 9: *KpnI* digestion; lane 10: *PstI* digestion; lane 11: *XbaI* digestion; lane 12: empty. There is a *HindIII* cutting site within the range of the probe for alleles *LEAFY*-2, -3, and -4 and a *HincII* cutting site for alleles *LEAFY*-2 and -4. B) *cGAPDH*: lane 1-2: plasmid DNA with *cGAPDH* (approximately 850 bp) as positive control (1 ng and 0.1 ng, respectively); lane 3-4: plasmid DNA with *LEAFY* (approximately 1200 bp) as negative control (1 ng and 0.1 ng, respectively); lane 5: empty; lane 6: *EcoRI* digestion; lane 7: *HincII* digestion; lane 8: *HindIII* digestion; lane 9: *KpnI* digestion; lane 10: *PstI* digestion; lane 11: *XbaI* digestion; lane 12: empty.