

Development and validation of PCR marker array for molecular selection towards spring, vernalization-independent and winter, vernalization-responsive ecotypes of white lupin (*Lupinus albus* L.)

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Scientific Reports

Supplementary Figure S1. Agarose gel electrophoregrams showing polymorphism of PCR-based markers targeting DArT-seq and silicoDArT loci significantly associated with white lupin phenology.

Scoring scheme:

0 – reference allele

1 - heterozygote

2 – variant allele

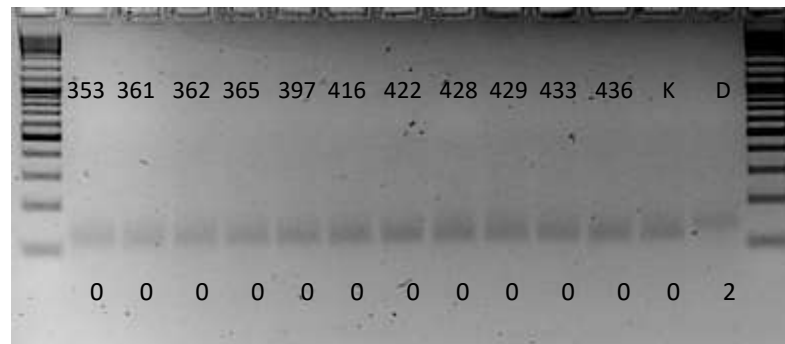
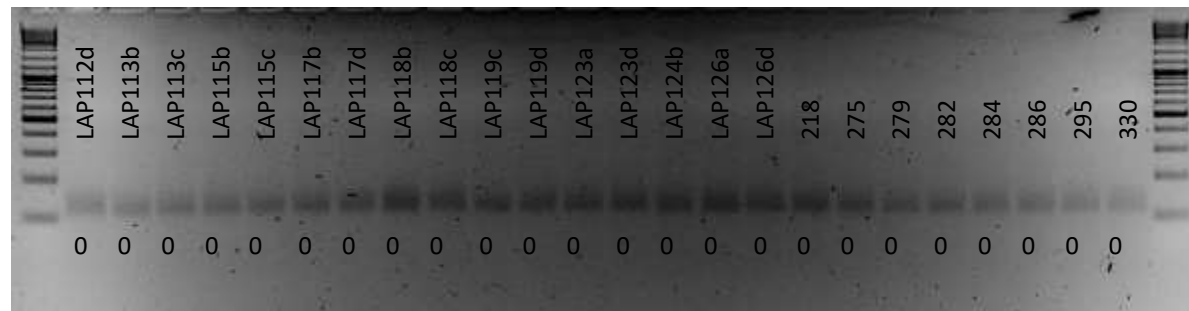
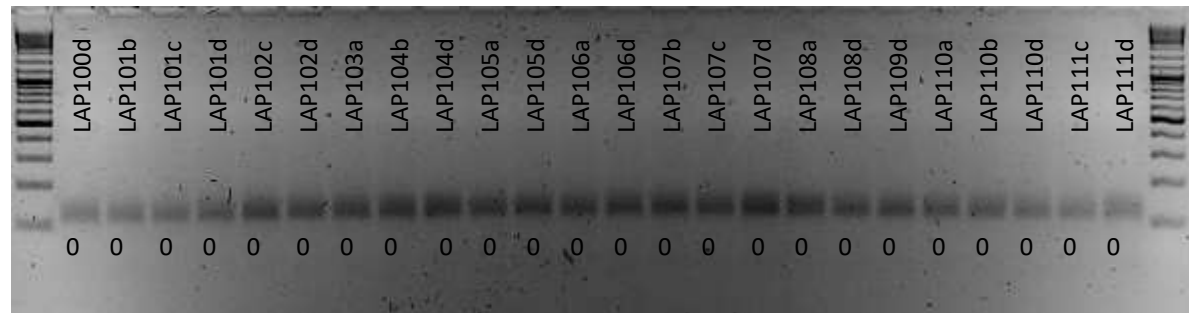
3 – novel allele

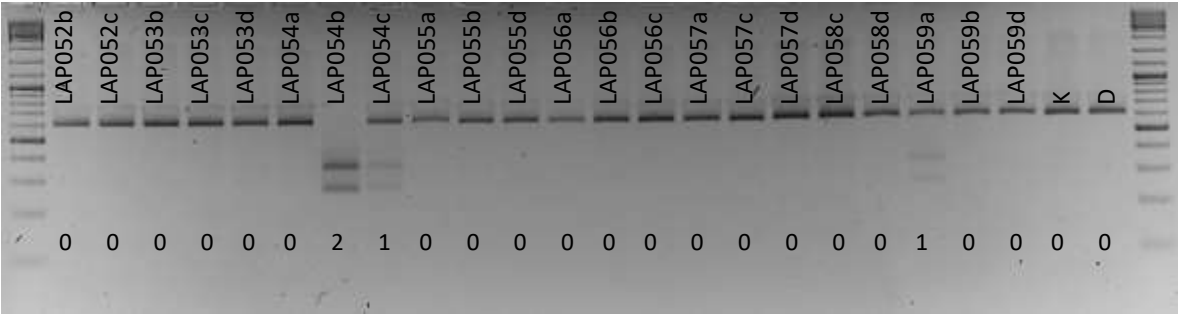
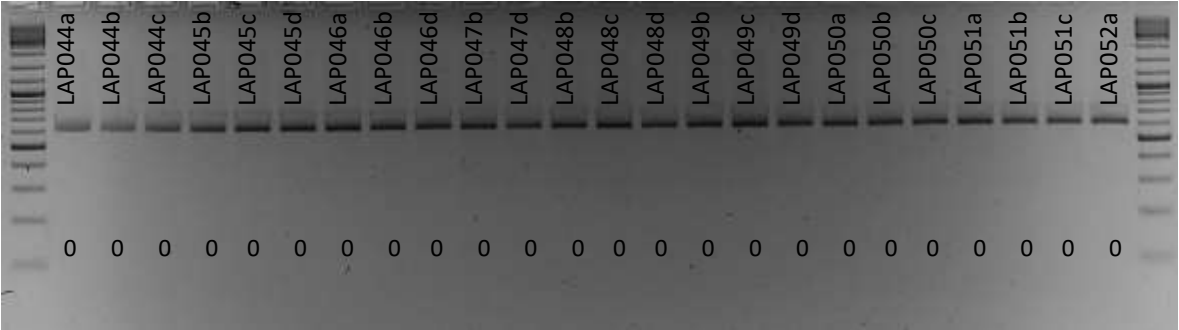
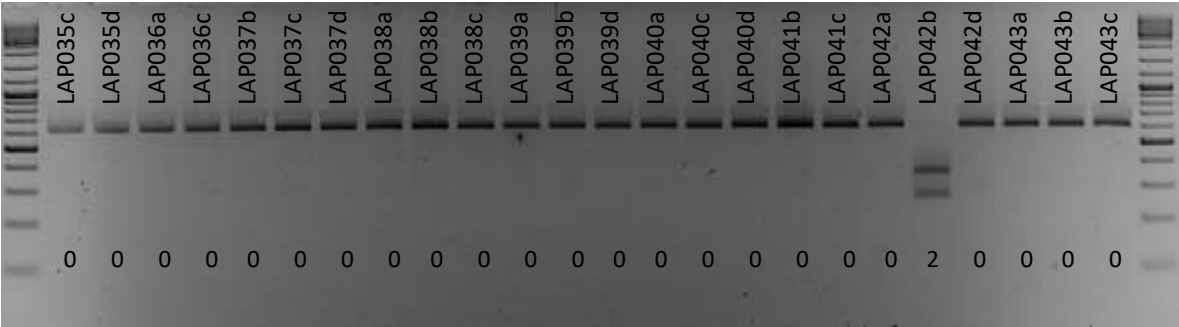
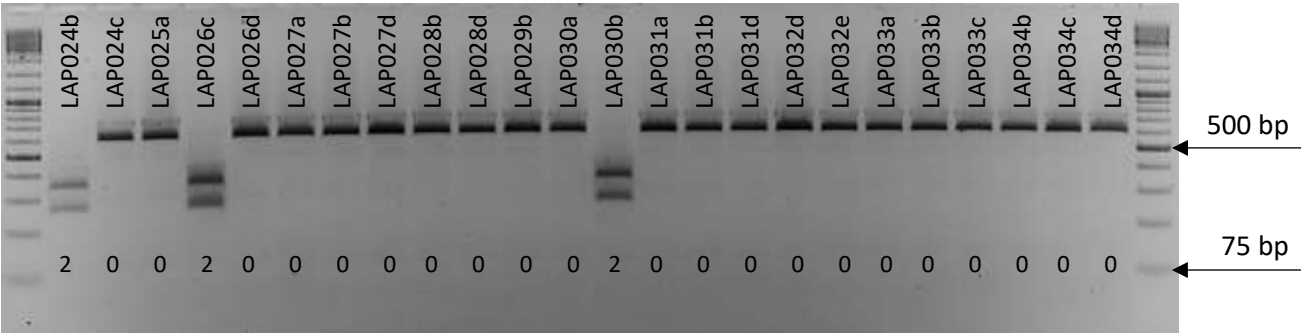
Names:

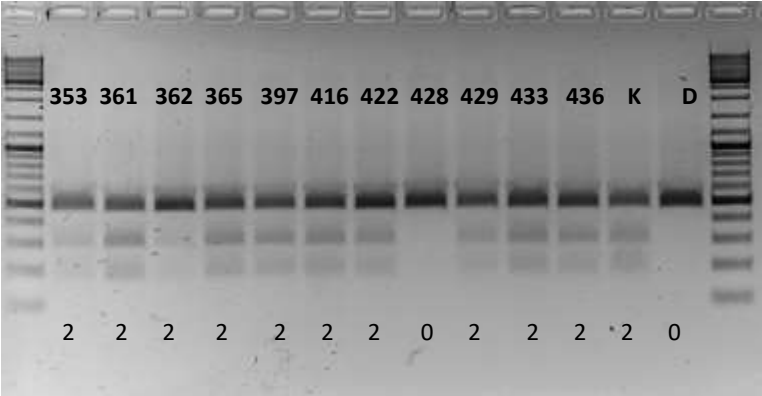
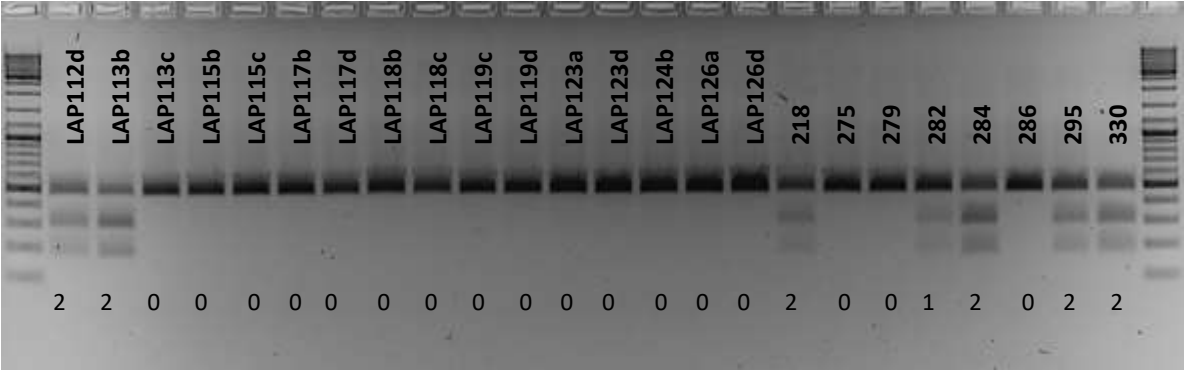
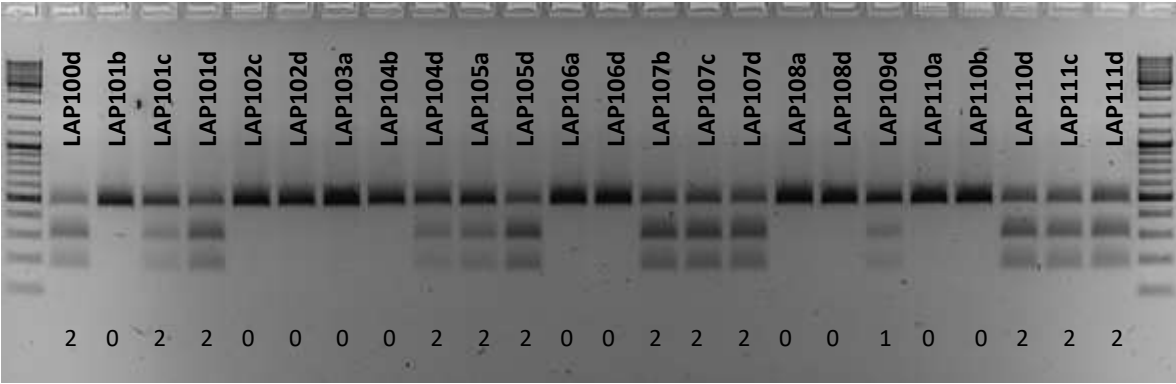
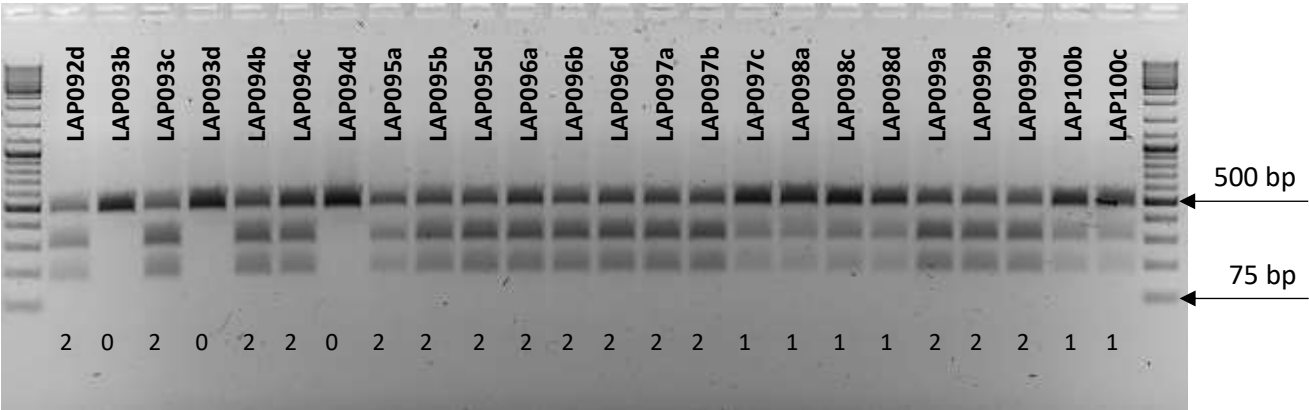
K – Kiev Mutant

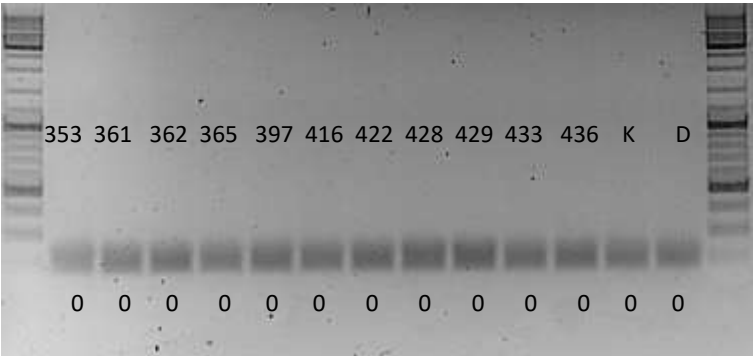
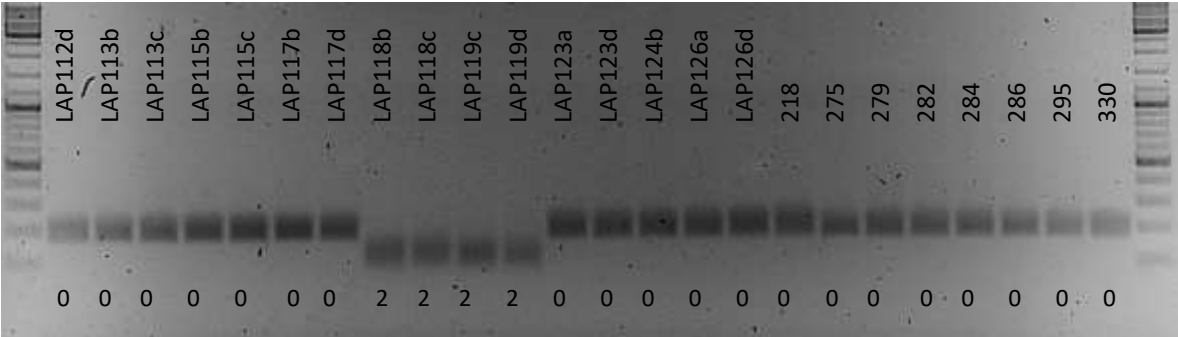
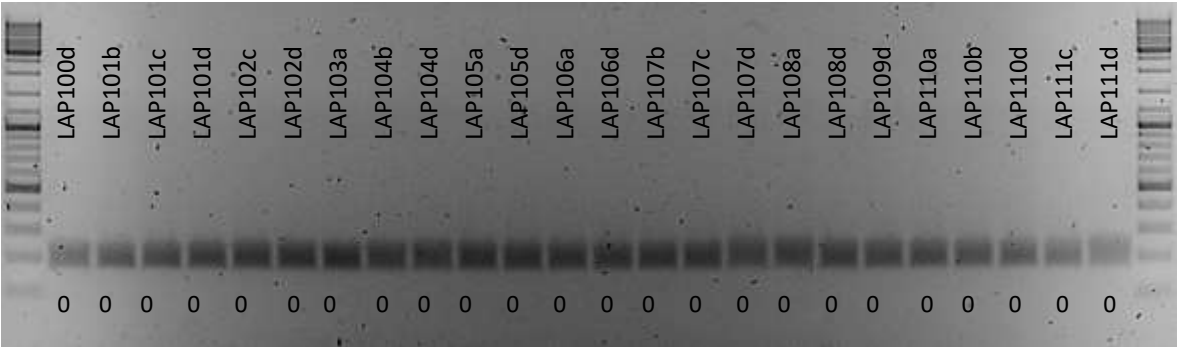
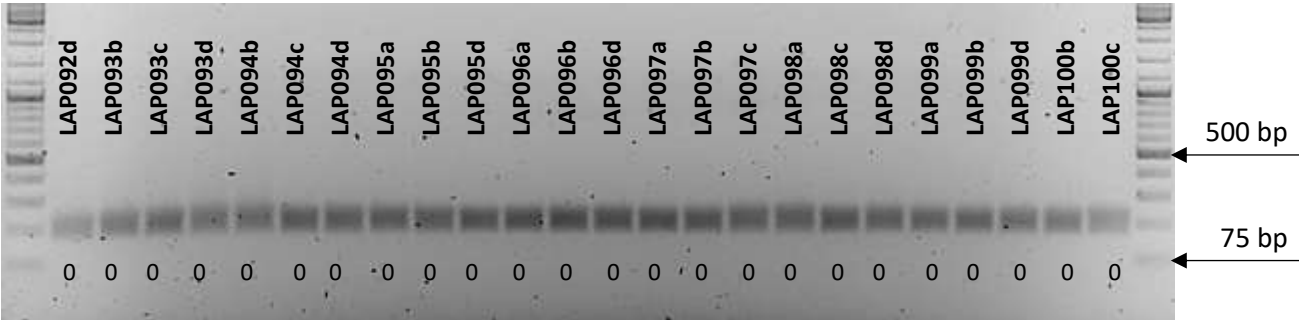
D – P27174

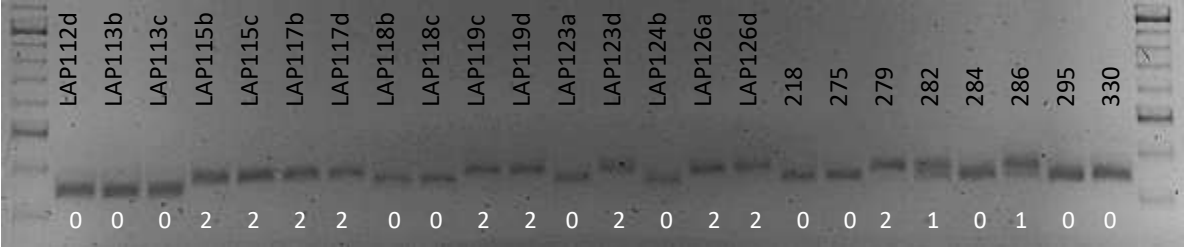
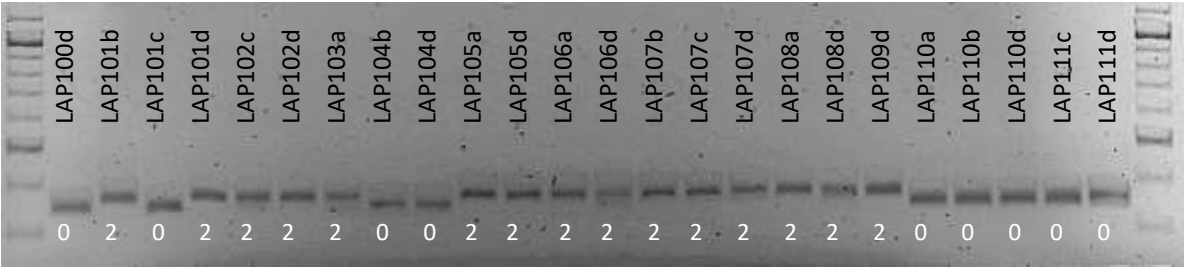
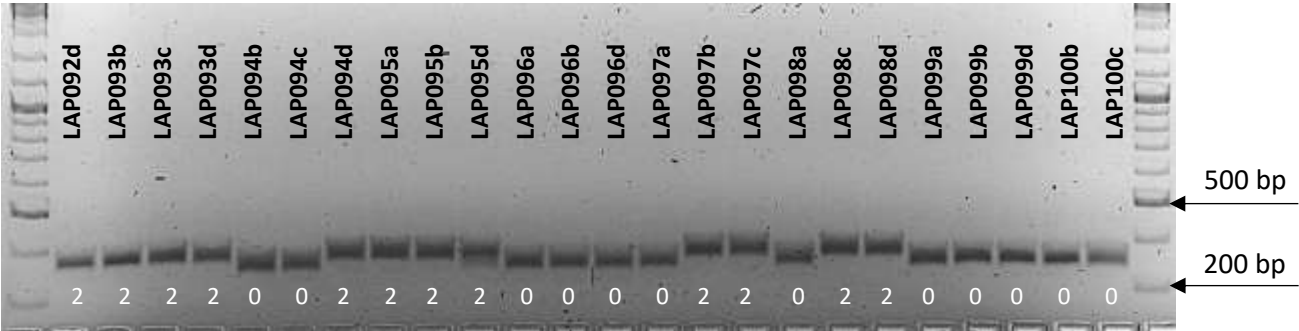
Agarose gel electrophoresis image showing PCR products for various LAP genes. The gel has 24 lanes. Lanes 1-23 are labeled with gene names: LAP092d, LAP093b, LAP093c, LAP093d, LAP094b, LAP094c, LAP094d, LAP095a, LAP095b, LAP095d, LAP096a, LAP096b, LAP096d, LAP097a, LAP097b, LAP097c, LAP098a, LAP098c, LAP098d, LAP099a, LAP099b, LAP099d, LAP100b, and LAP100c. Lane 24 is a DNA ladder. Molecular weight markers are indicated on the right at 500 bp and 75 bp. Below each lane is a number: 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 2, 0, -, 0, 0, 0, 0, 0. The numbers 0, 2, and - likely represent the number of replicates or a specific condition for each gene.



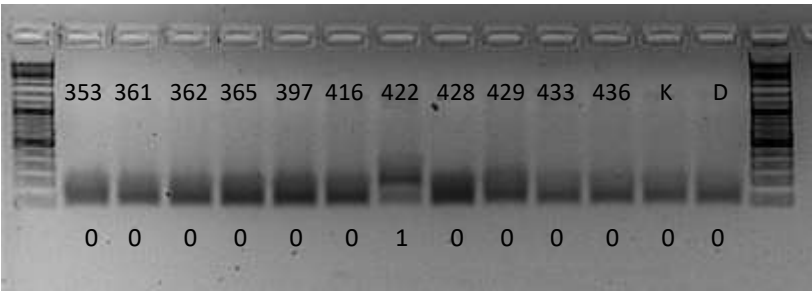
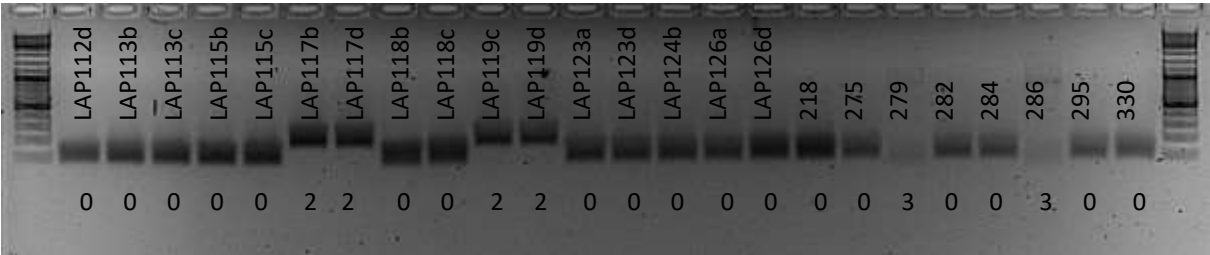
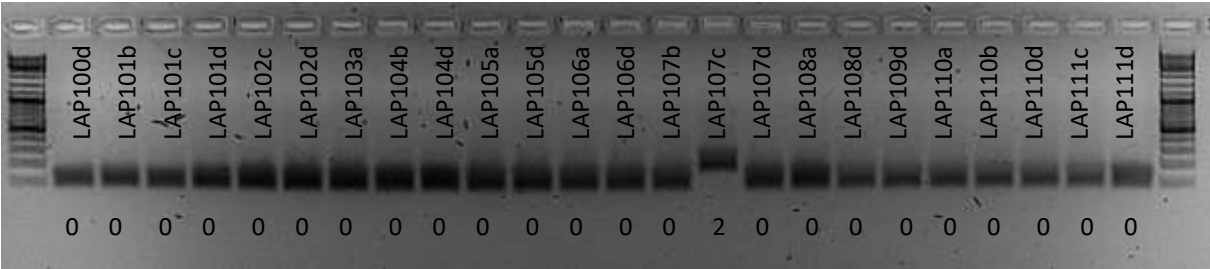
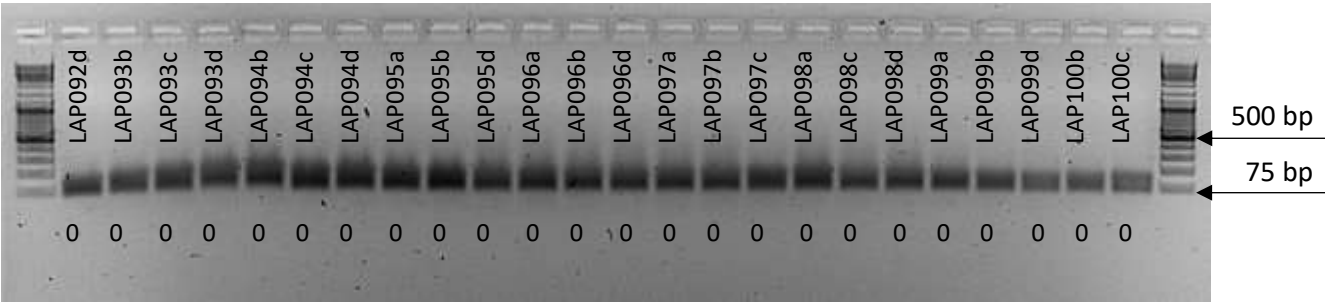


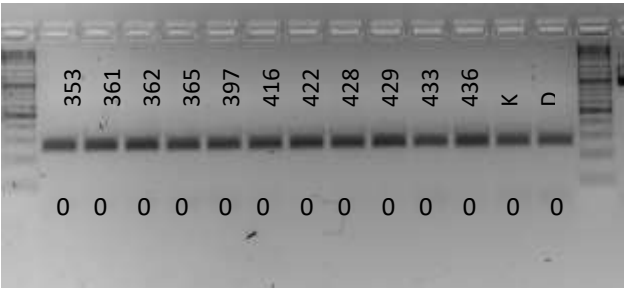
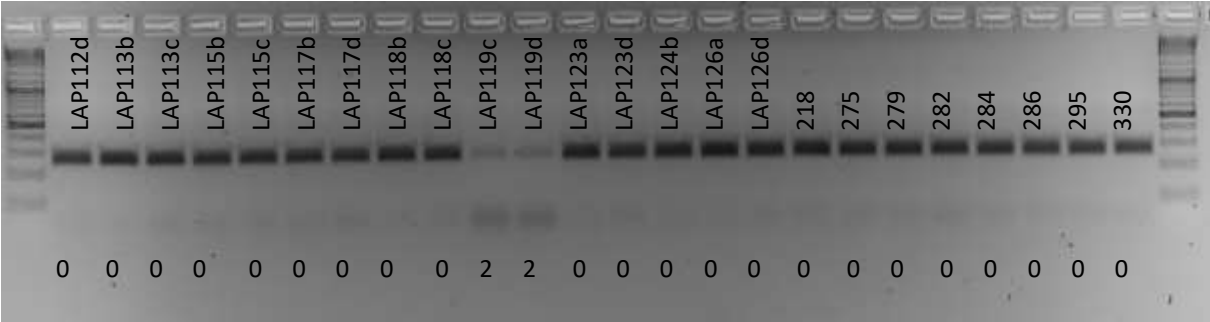
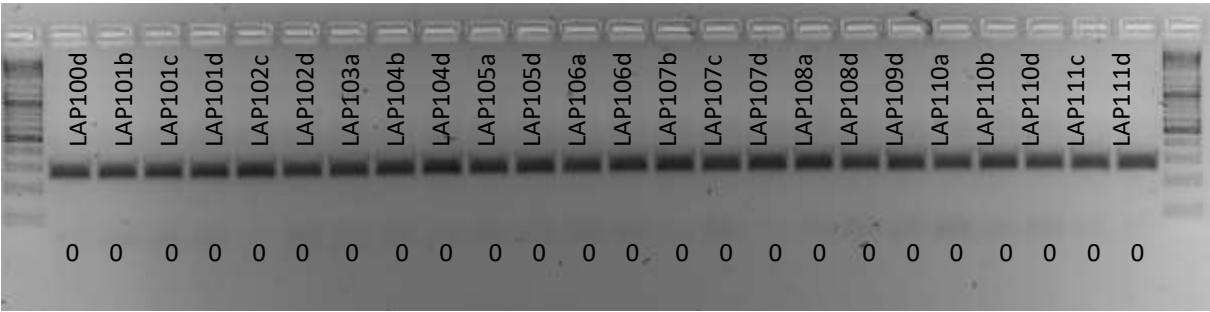
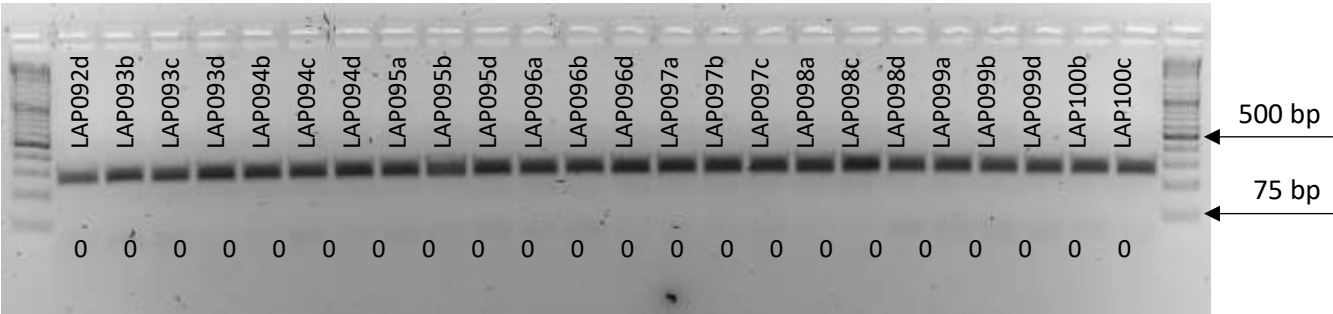






Chr11_14834409_CAPS





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