

**Appendix E** Schematic diagram of resistance of transgenic lines to SPVD invasion The acronyms HTC, PAL, COMT, 4CL, CAD, and LAC in the graph are hydroxycinnamoyl CoA:shikimatetransferase, phenylalanine ammonialyase, caffeicacid O-methyltransferase, 4-coumarate-CoAligase, cinnamyl alcohol dehydrogenase, laccase, respectively. The red arrow indicates that the gene, enzyme activity or substance content is up-regulated, and the blue arrow is down-regulated.

