

Sun, P., Jia, H., Yue, Z., Li, J., Li, J., Zhang, J., Lu, M. and Hu, J. 2020. Genetic identification of 91 poplar cultivars based on SSR markers. – Nordic Journal of Botany 2020: e02504

Appendix 1

Tables (all supplied as separate Excel-files)

Table A1. Original information of 91 poplar cultivars.

Table A2. SSR primer resources in the Oak Ridge National Laboratory.

Table A3. Chromosome location of 100 SSR primers.

Table A4. Genomic DNA concentration and purity.

Table A5. Dice similarity matrix of 91 poplar cultivars.

Table A6. Fingerprinting of 91 poplar cultivars based on the 18 markers.

Figures

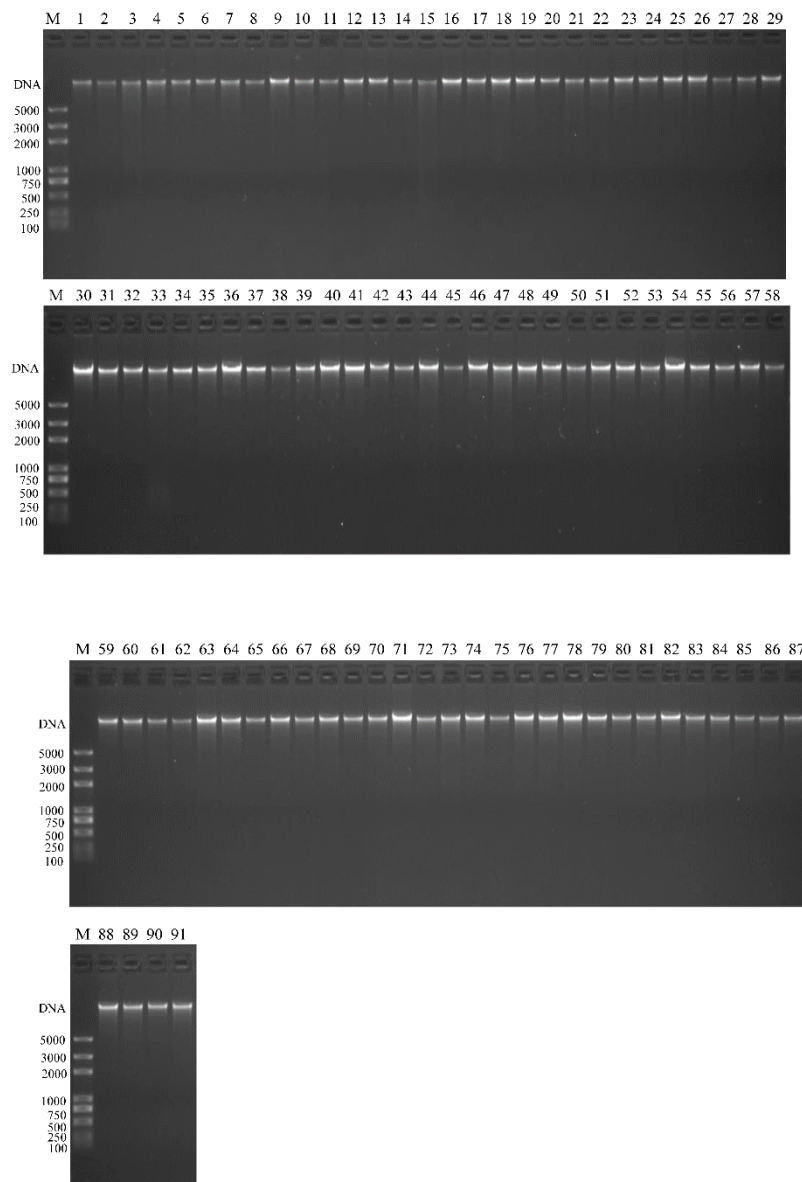
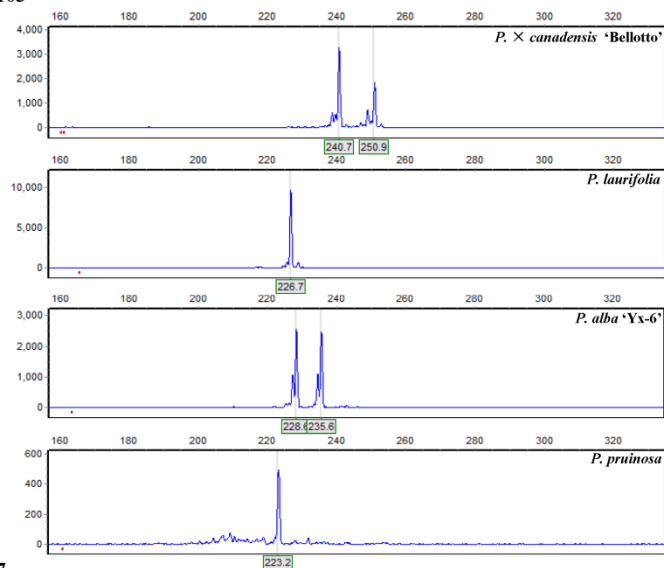
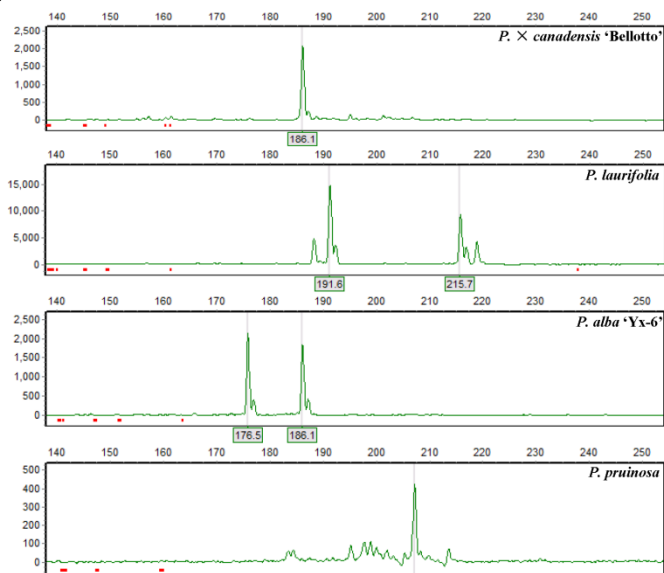


Figure A1. Agarose gel electrophoresis of genomic DNA. The horizontal axis represents the marker and code of poplar cultivars. The vertical axis represents the range of marker Trans 2K Plus.

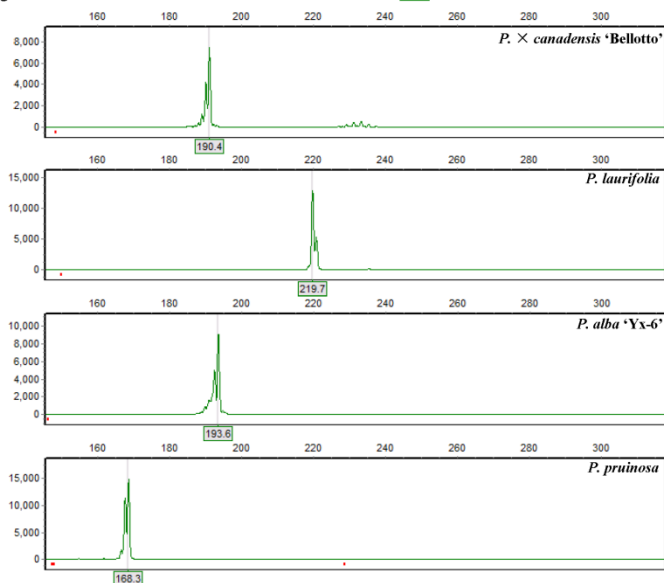
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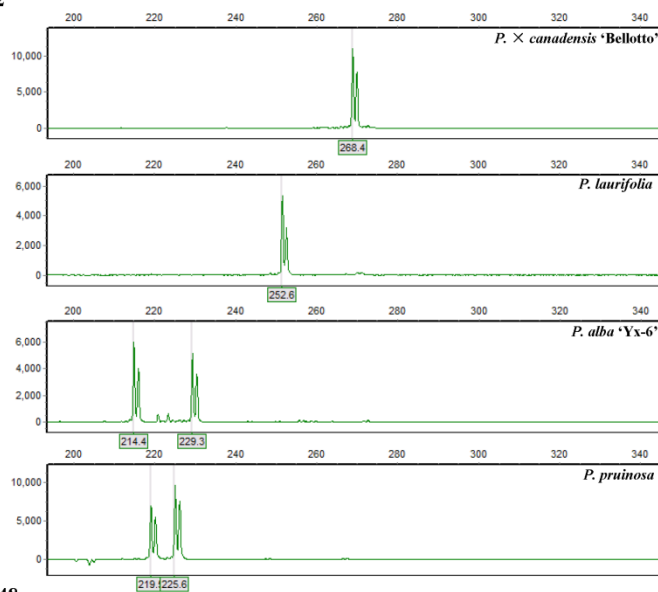
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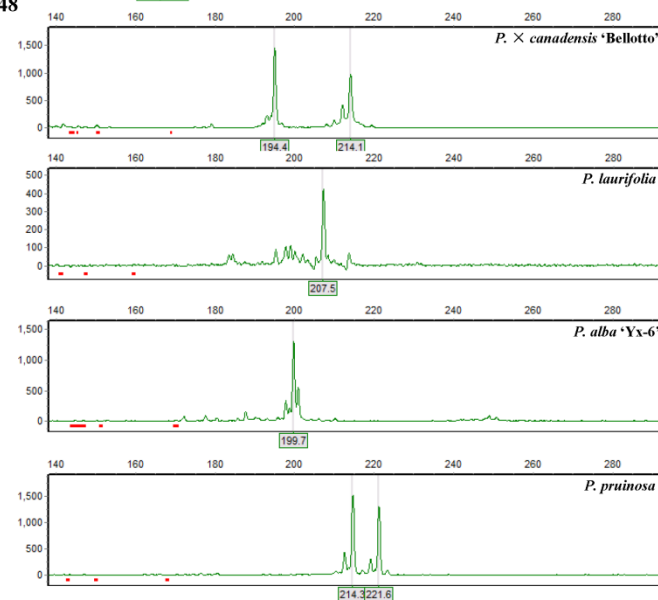
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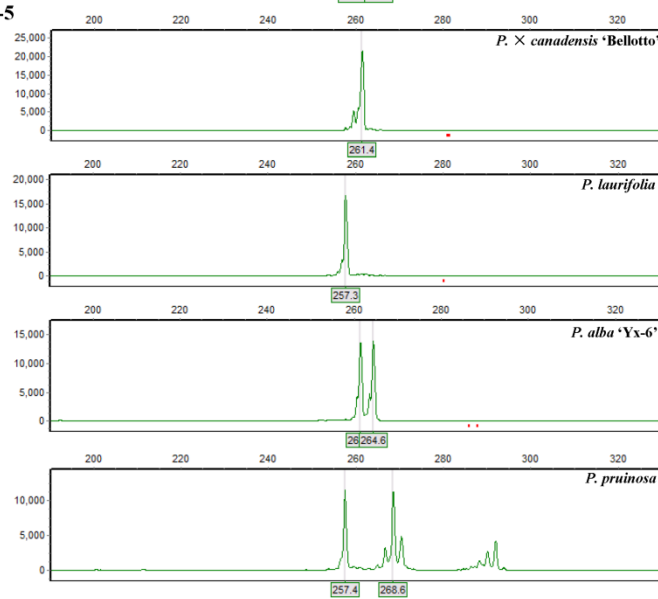
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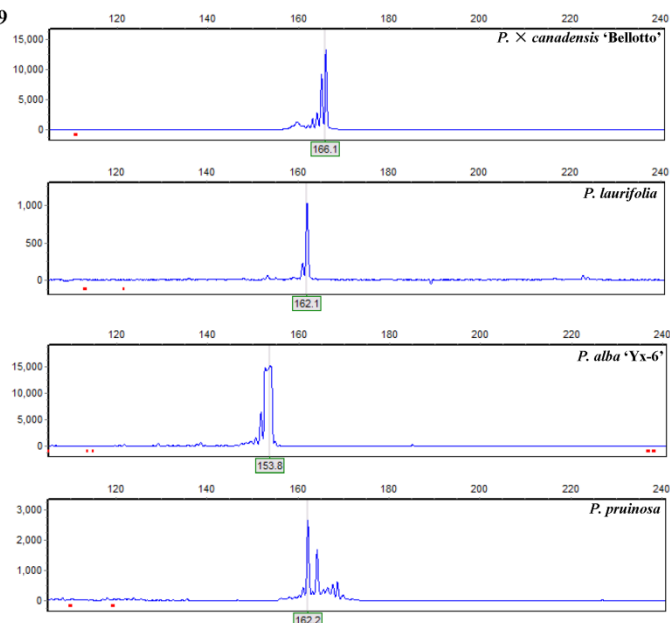
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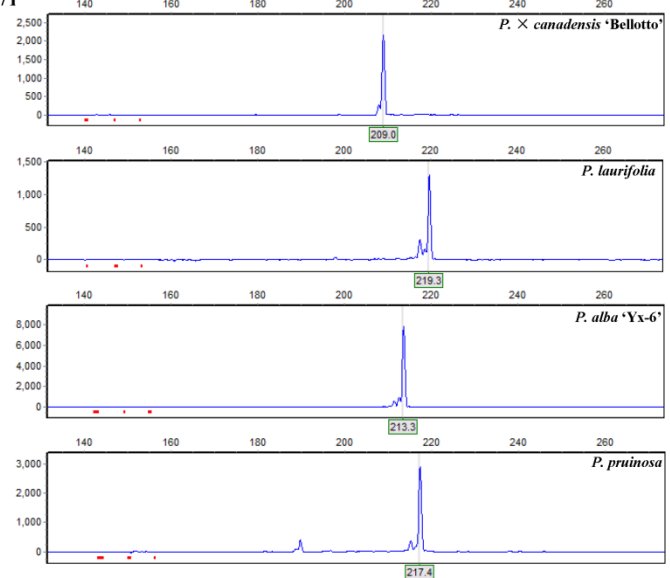
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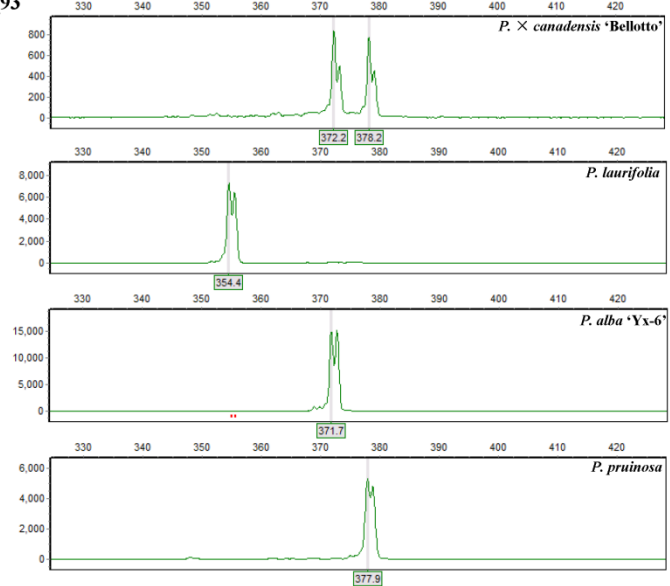
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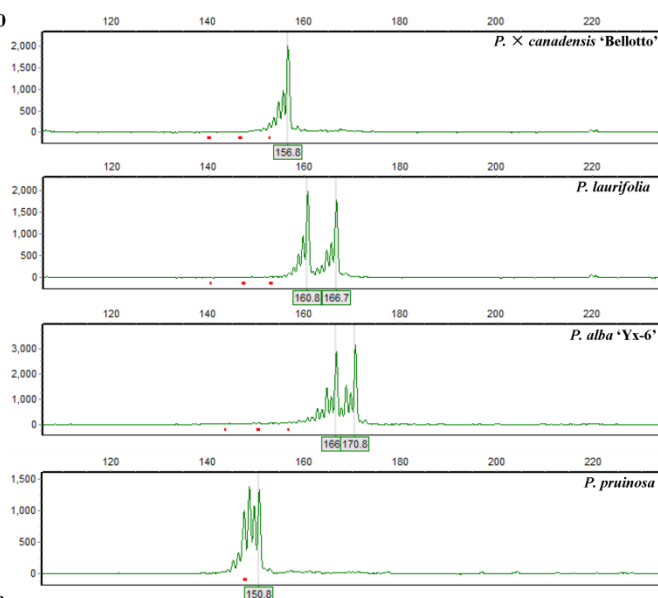
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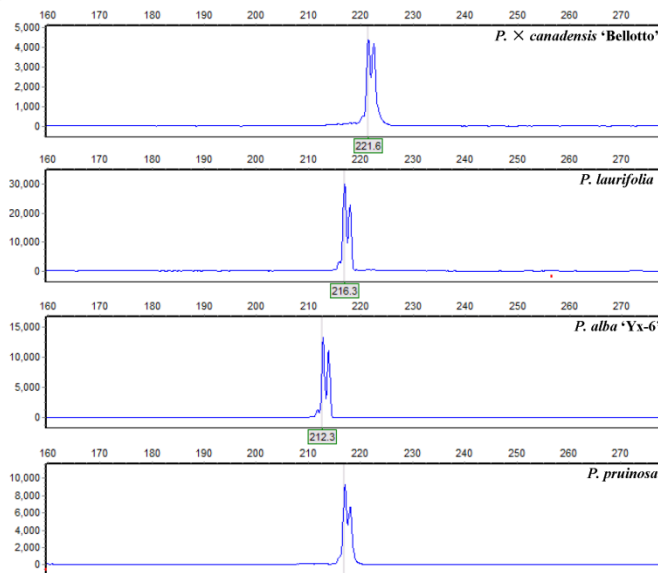
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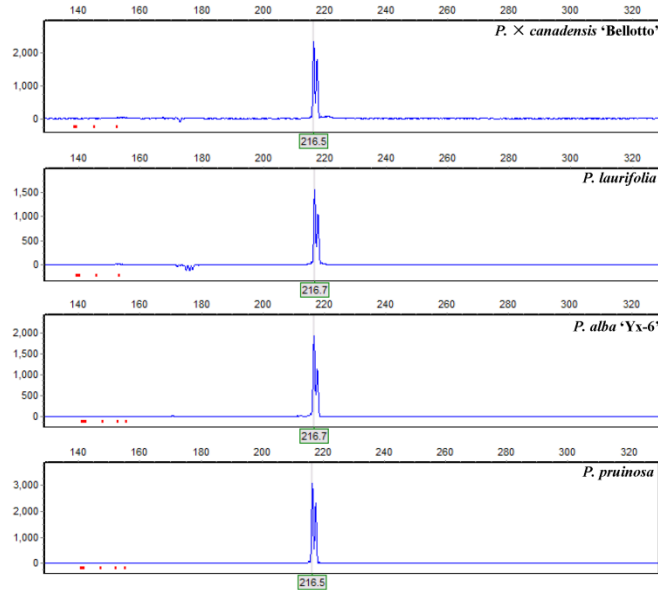
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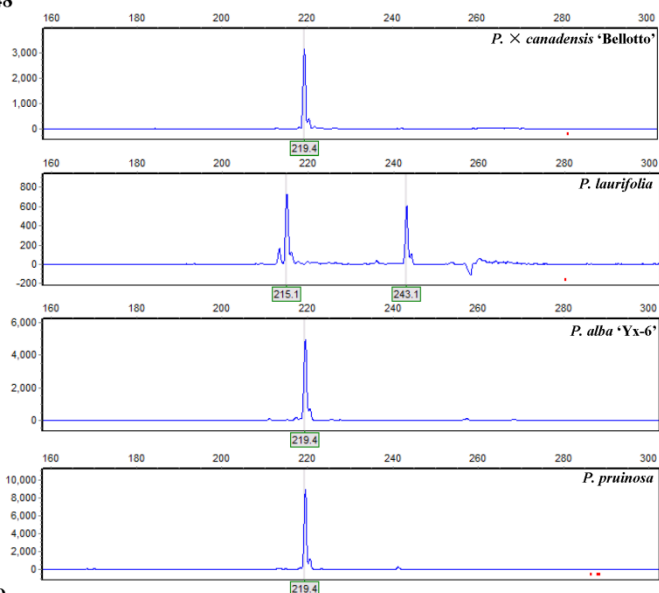
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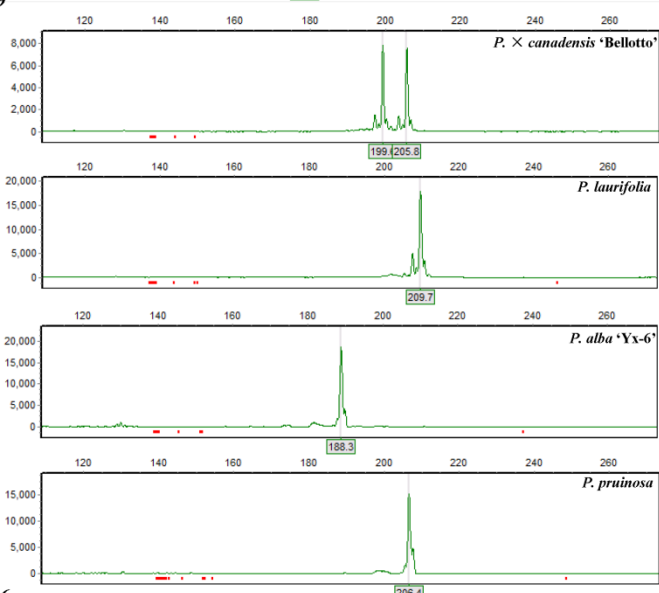
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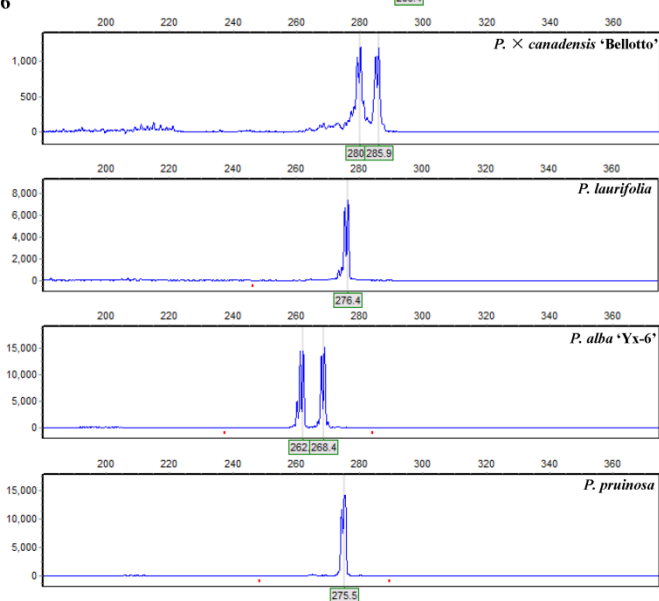
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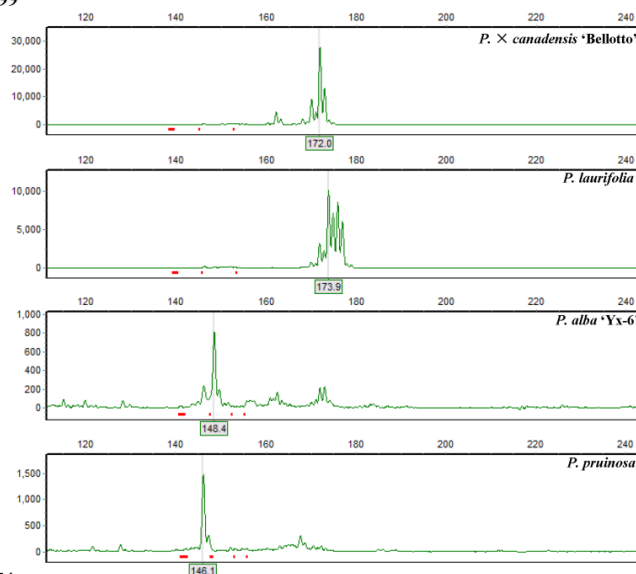
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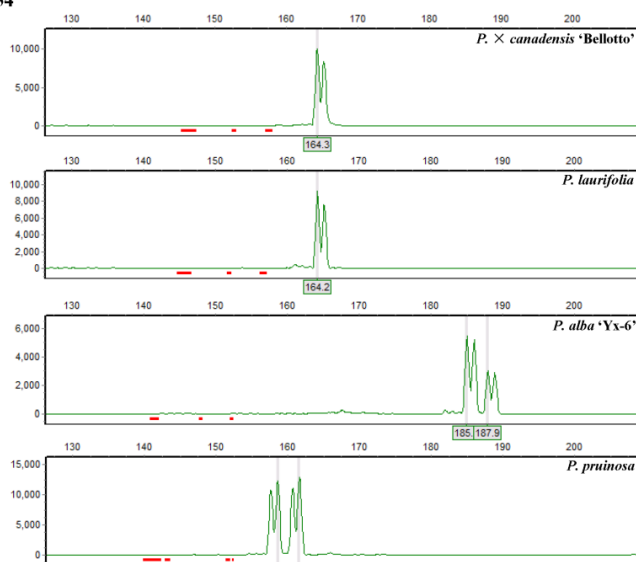
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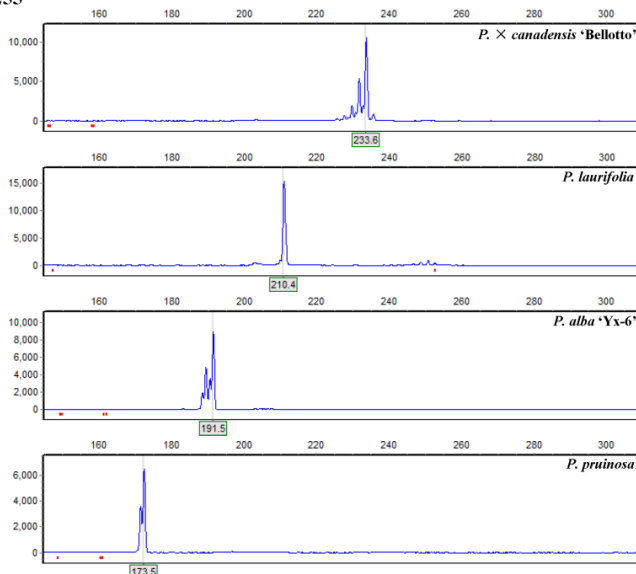
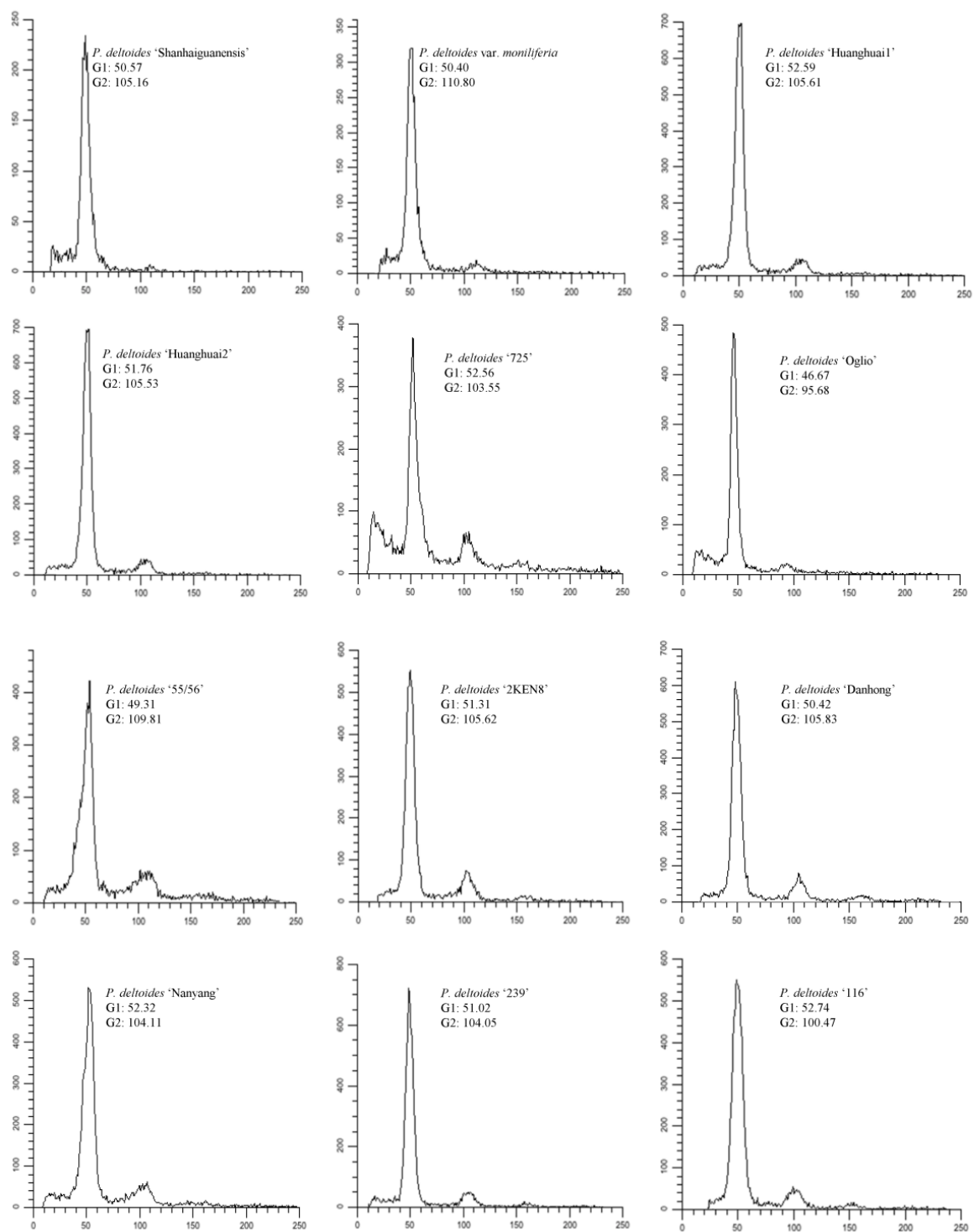
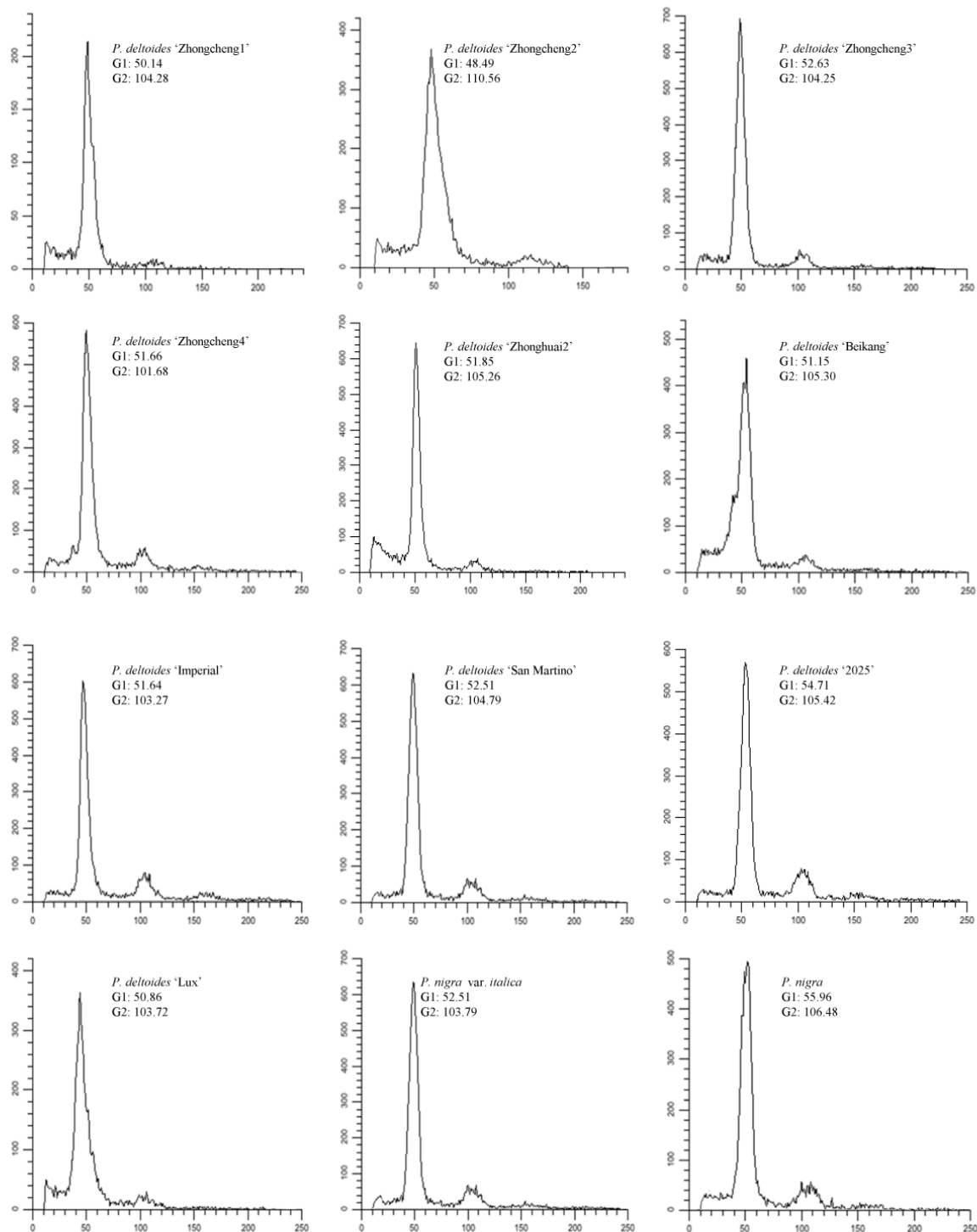
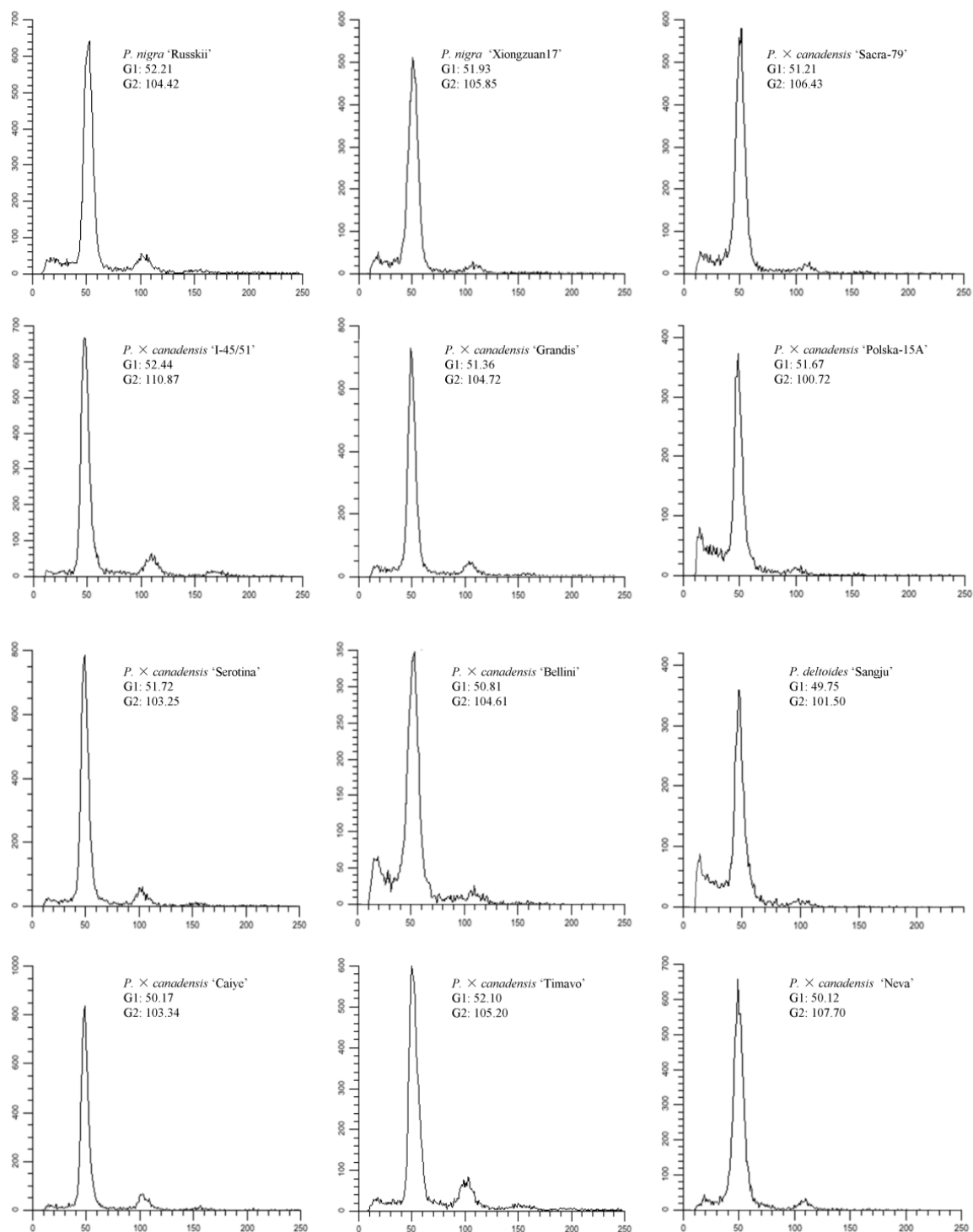
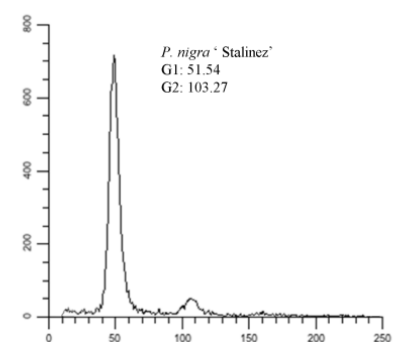
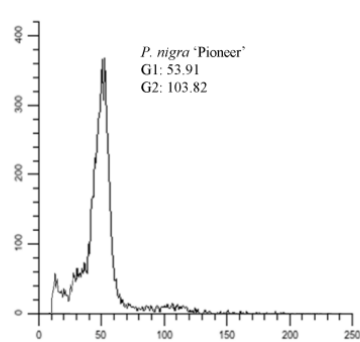
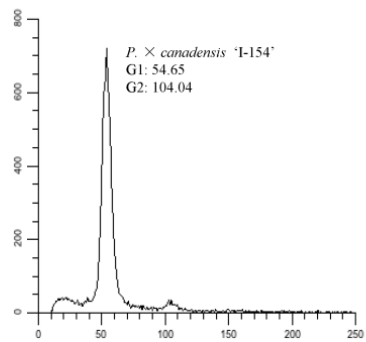
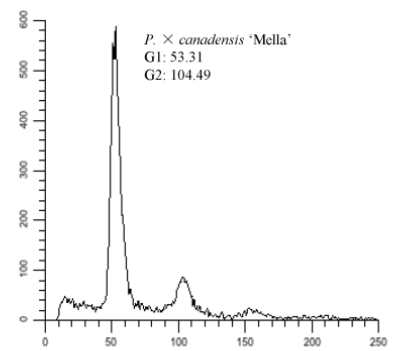
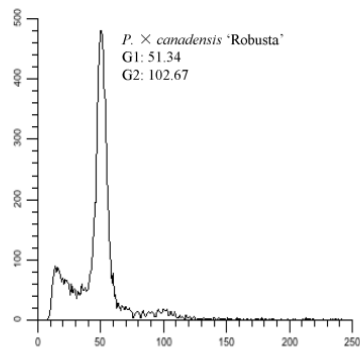
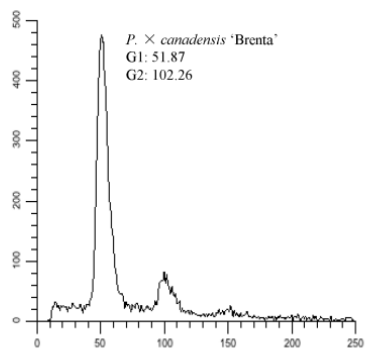
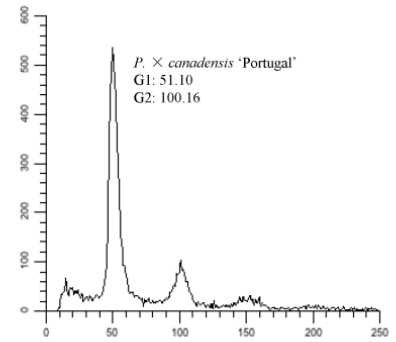
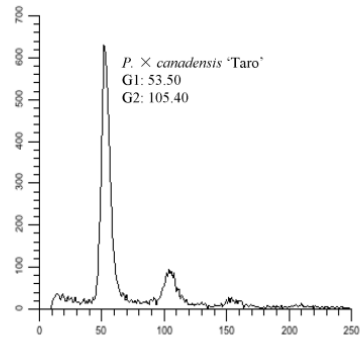
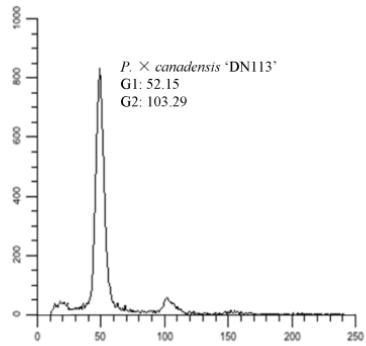
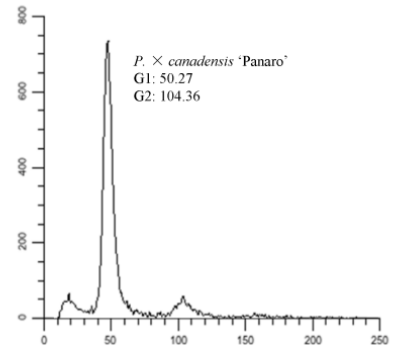
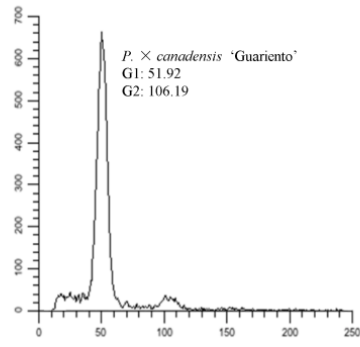
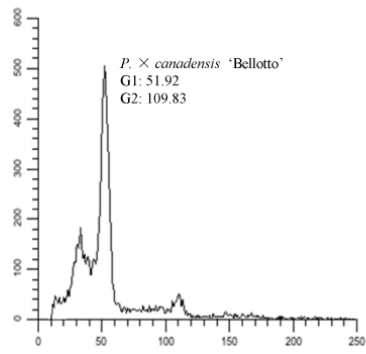


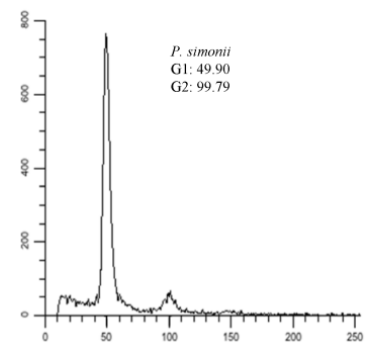
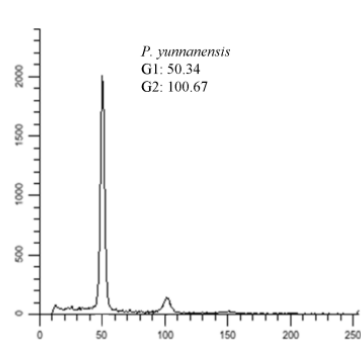
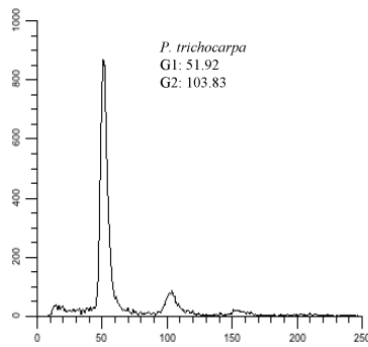
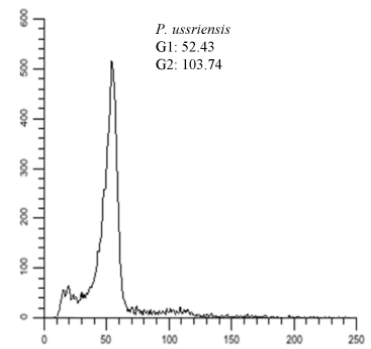
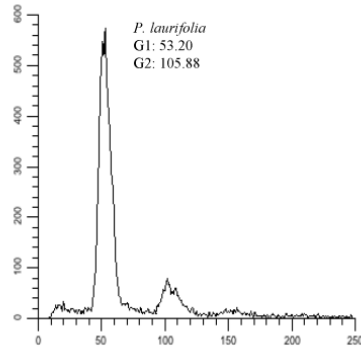
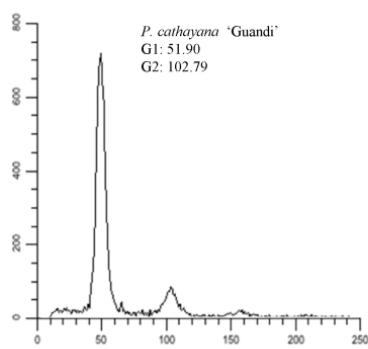
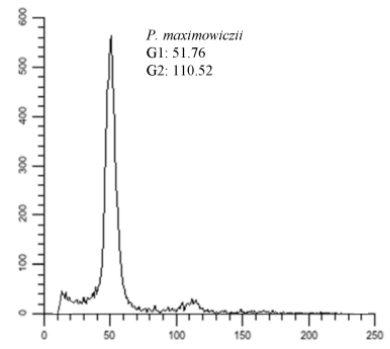
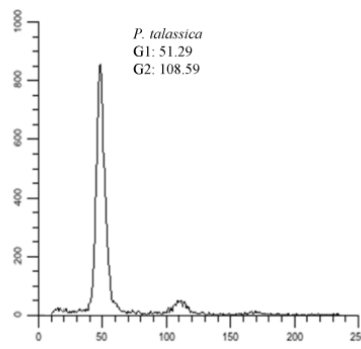
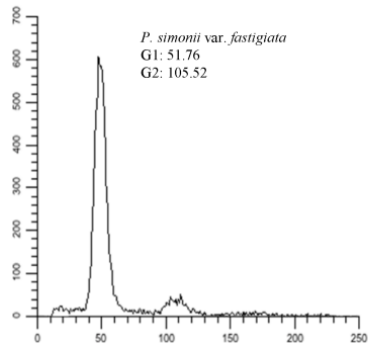
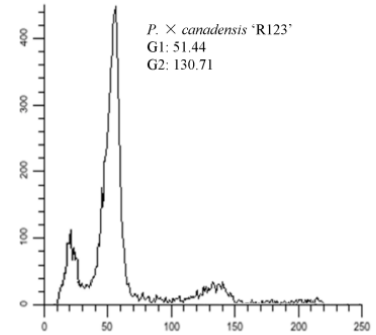
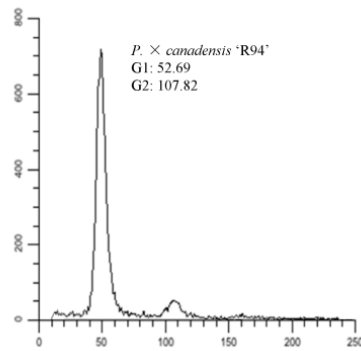
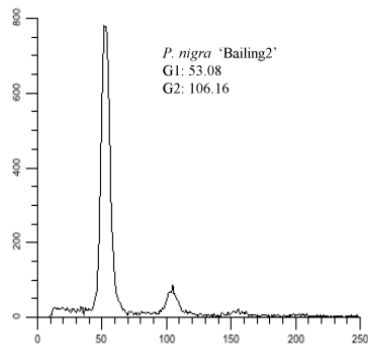
Figure A2. Electropherograms of DNA fingerprinting generated by 18 SSR markers with four representative poplar cultivars.

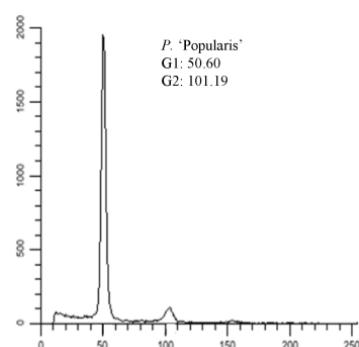
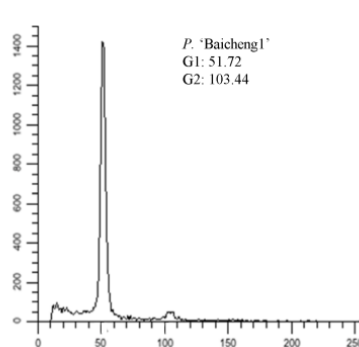
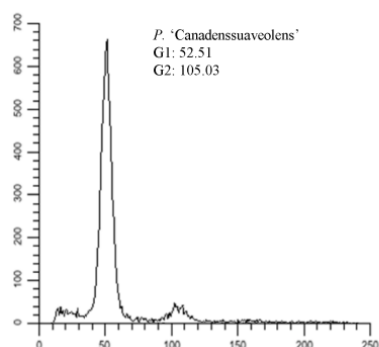
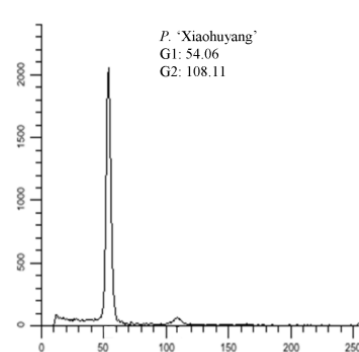
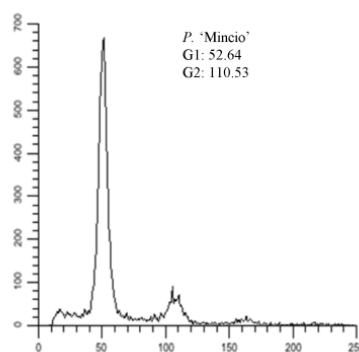
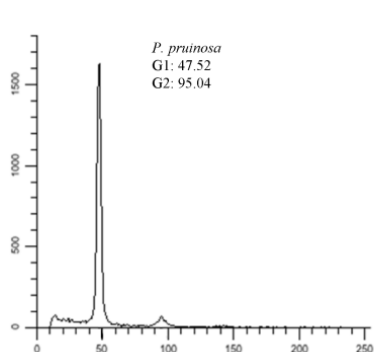
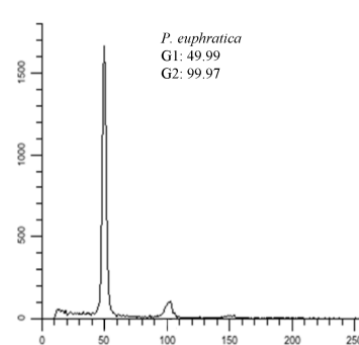
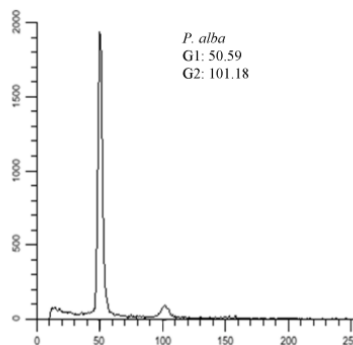
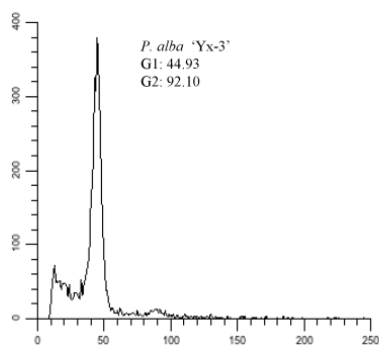
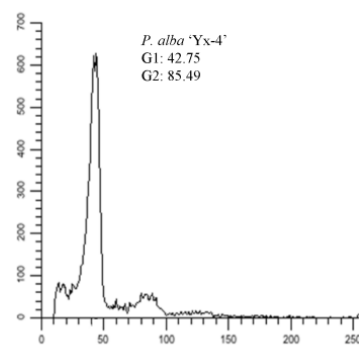
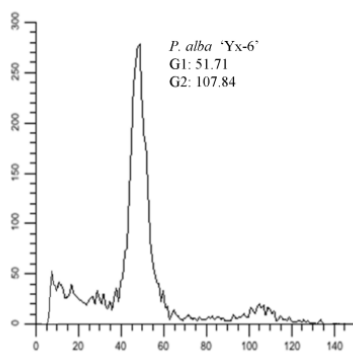
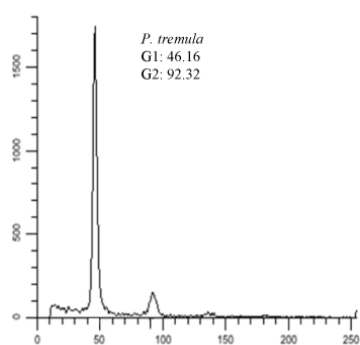












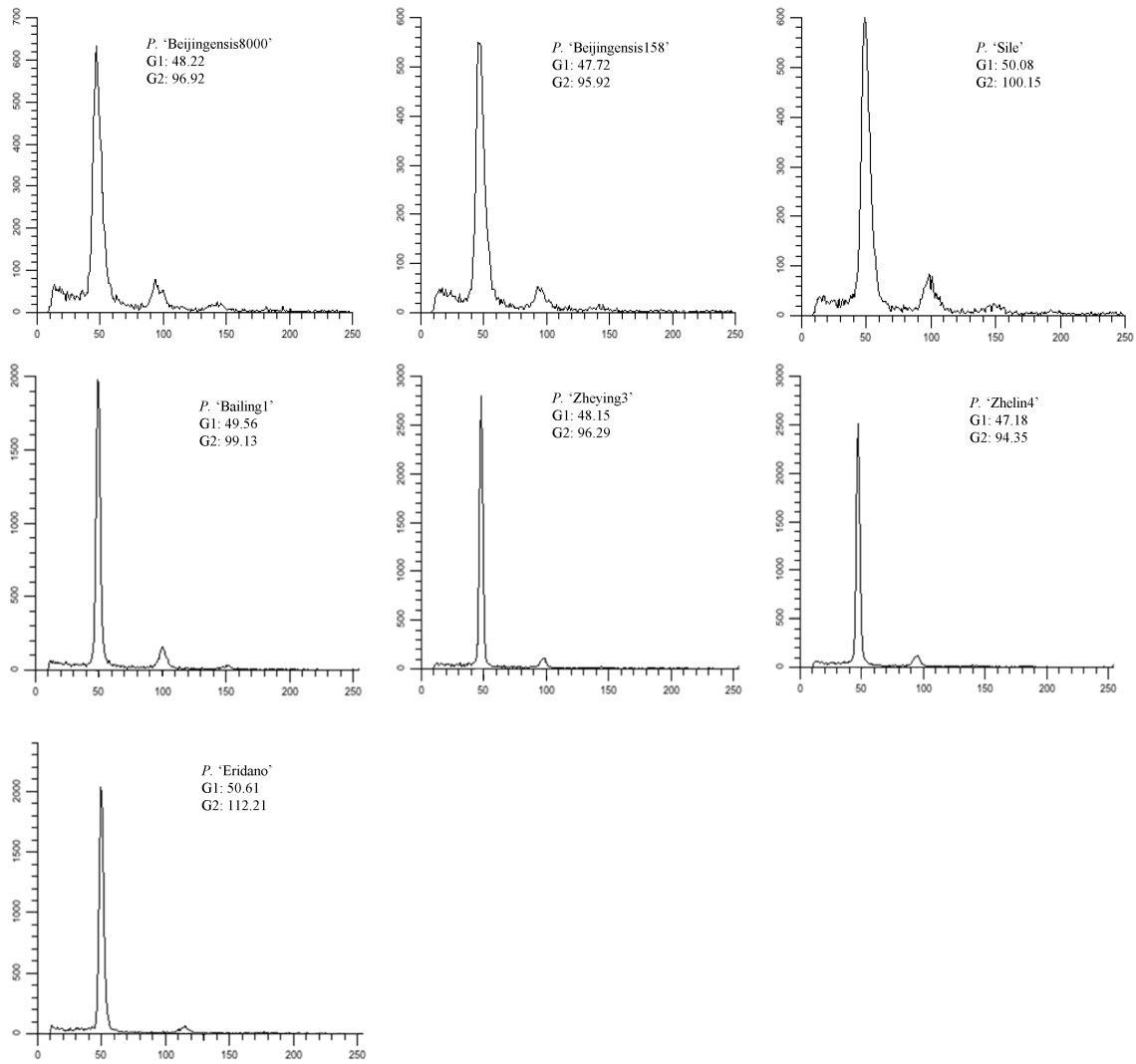


Figure A3. Flow cytometric histograms of poplar cultivar ploidy level. The x-axis indicates fluorescence intensity; the y-axis indicates number of nuclei.