IDENTIFICATION OF DNA BARCODE SEQUENCES AND
GENETIC RELATIONSHIP OF *Michelia baillonii* (Pierre) Finet
& Gagnep SPECIES

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Summary

The genomic DNA was extracted from leaf tissue of *Michelia baillonii* (Pierre) Finet & Gagnep. The *matK, rbcL, trnH-**psb**A, ycf1b* were amplified from total DNA of *Michelia baillonii* (Pierre) Finet & Gagnep by PCR technique. The PCR results indicated that all DNA bands were amplified from the samples, they have the same size similar to the theoretical size of *matK, rbcL, trnH-**psb**A, ycf1b*. Results nucleotide sequencing of PCR product samples showed that the size of the isolated *matK* gene fragment was 889 bp, *rbcL* fragment was 599 bp, *trnH-**psb**A* fragment was 509 bp, and *ycf1b* fragment was 910 bp. The nucleotide sequences of *matK, rbcL, trnH-**psb**A, ycf1b* from *Michelia baillonii* (Pierre) Finet & Gagnep have been registered on the DNABank.vn with Barcode ID MMB0001, MMB0002, MMB0003 and MMB0004. Recommendation for using *trnH-**psb**A* and *ycf1b* molecular marker as DNA barcode to identify *Michelia baillonii* (Pierre) Finet & Gagnep.

Keywords: DNA barcode, *Michelia baillonii*, identify species, *matK, rbcL, trnH-**psb**A, ycf1b*. 