

File S2

Plate S2.1. Cleared leaves of *Ilex* spp. for comparison with the fossil-species *Ilex miodypyrena*. Cleared leaves are from the cleared leaf collection of Leo Hickey, at Yale University.

A. *Ilex aquifolium* L. 114

B. *Ilex opaca* Aiton 13475

C. *Ilex crenata* Thunb. var. *radicans* (Nakai) Ohwi 13489

D. *Ilex wallichii* Hook. 8543

E. *Ilex franchetiana* Loes. 11914

F. *Ilex dipyrena* Wall. 11913

Plate S2.2. Modern leaves of *Ilex dipyrena* Wall. From herbaria Edinburgh (E) and Paris (P).

A. E002755150. Nearly entire leaf.

B. P03272645. Leaf with few teeth, brochidodromous secondary venation with additional marginal loops, distinct intersecondary veins.

C. P03272645. From the same herbarium sheet as B. Leaf with regular dentition.

D. P03272648. Young and fully grown leaves with regular dentition. Arrowhead indicates young, small leaf.

E. P03272648. Leaf with regular dentition



