Supplementary material 1.

Leaf and petiole anatomical data of Canthium, Canthiumera, Meyna, and Psydrax in Thailand (Absent = 0; Present = 1)

Characters	*C. berberidifolium*	*C. calvum*	*C. coffeoides*	*C. ferrugineum*	*C. horridulum*	*C. horridum*	*C. parvifolium*	*C. quadratum*	*Ca. siamensis* 076	*Ca. siamensis* 105	*M. grisea*	*M. spinosa* 047	*M. spinosa* 055	*M. spinosa* 080	*M. spinosa* KW	*M. velutina* 023	*M. velutina* 061	*P. dicoccos 024*	*P. dicoccos* 077	*P. nitidus* 058	*P. umbellatus* 031	*P. umbellatus* 066
1. Striated cuticular ornamentation on adaxial surface	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	0	0	0	0
2. Striated cuticular ornamentation on abaxial surface	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0
3. Anticlinal wall of epidermal cells on upper surface: undulate = 0; straight = 1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
4. Peltate trichome on upper surface	0	0	1	0	0	0	0	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1
5. Unicellular non-glandular trichome on lower surface	1	1	0	1	1	1	1	1	0	0	1	1	1	1	1	1	1	0	0	0	0	0
6. Stomatic leaf type: hypostomatic type = 0; amphistomatic type = 1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0
7. Leaf margin outline in TS: acute = 0; obtuse = 1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1
8. Leaf margin curvations in TS: straight = 0; downward = 1	1	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1
9. Unicellular non-glandular trichome at leaf margin	0	0	0	0	1	1	1	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0
10. Subepidermal parenchymatous hypodermis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1
11. Number of palisade mesophyll layers: 1 layer = 0; 2-3 layers = 1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	1	1	1
12. Ratio of spongy mesophyll thickness and laminar thickness: more than 50% = 0; less than 50% =1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	1	1	1
13. Adaxial surface of midrib in TS																						
flat shape	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
concave shape	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
convex shape	0	1	0	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14. Vascular bundle of midrib: arc-shaped with invaginated end = 0; arc-shaped without invaginated end = 1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1
15. Position of angular collenchyma in midrib																						
underneath adaxial surface	1	1	1	1	0	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1
underneath abaxial surface	1	1	1	1	0	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1
16. Deposition in mesophyll																						
druse	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	1	1	1
styloids	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
dark staining deposits	1	0	0	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17. Petiole outline in TS: semicircular shape = 0; circular shape = 1	0	0	0	0	0	0	0	1	0	0	1	1	1	1	1	1	1	0	0	0	0	0
18. Unicellular non-glandular trichome in petiole	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	0	0	1	1	1
19. Lateral vascular bundle in petiole	0	0	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1