

**Table S1** Taxonomically informative morphological characters and their distributions across the species of *Engelhardia*.

Species	Critical character	Distribution	Literature	Comment
<i>Engelhardia spicata</i> Leschenault ex Blume	Inflorescences lateral, fruit hairy, leaflets strongly petiolulate, abaxially glabrous; fruiting spike long, 30-45 cm.	Guangxi, Xizang, Yunnan in China, Indonesia, Laos, W Malaysia, Nepal, Bhutan, Philippines, Thailand, Vietnam	(Lu et al., 1999; Jacobs, 1960; Manning, 1966)	
<i>Engelhardia spicata</i> var. <i>aceriflora</i> (Reinwardt) Koorders & Valetton	Inflorescences lateral, fruit hairy, leaflets sessile or subsessile, abaxially slightly pubescent, apex acuminate; fruiting spike short, 13-30 cm.	Yunnan in China, Indonesia, Myanmar, Nepal, Philippines, Thailand, Vietnam	(Lu et al., 1999; Jacobs, 1960; Manning, 1966)	
<i>Engelhardia spicata</i> var. <i>colebrookeana</i> (Lindley) Koorders & Valetton	Inflorescences lateral, fruit hairy, leaflets petiolulate or rarely sessile, abaxially tomentose, apex obtuse or acute; fruiting spike short, 13-30 cm.	Guangxi, Guizhou, Sichuan, Xizang, Yunnan in China, Myanmar, Nepal, Philippines, Thailand, Vietnam	(Lu et al., 1999; Jacobs, 1960; Manning, 1966)	
<i>Engelhardia roxburghiana</i> Wallich	Inflorescences terminal, pistillate flowers and fruits glabrous, black branches; the leaflets usually 3-5 pairs, and the lateral veins of the leaflets were 7 (5-13) pairs.	S China, Indonesia, Laos, Myanmar, Thailand, Vietnam	(Lu, 1999; Jacobs, 1960; Manning, 1966)	
<i>Engelhardia fenzelii</i> Merrill	Inflorescences terminal, pistillate flowers and fruits glabrous, grayish white branches; the leaflets only 1-2 pairs, the lateral veins of the leaflets were 4 (3-6) pairs.	Guangdong, Fujian, Zhejiang, Jiangxi and Hunan in China	(Keren and Lu, 1979)	
<i>Engelhardia serrata</i> var. <i>cambodica</i> W. E. Manning	Inflorescences lateral, fruit hairy, the leaflets irregularly serrate and hairier leaflets, the very short petiole and much reduced lower leaflets.	Yunnan in China, Cambodia, India, Laos, Myanmar, Thailand, Vietnam	(Lu et al., 1999; Jacobs, 1960; Manning, 1966)	
<i>Engelhardia serrata</i> var. <i>serrata</i> W. E. Manning	Inflorescences lateral, fruit hairy, the petiole is very short, the leaflets serrate at least in part and glabrous, the lower leaflets very much reduced in size.	Malaya, Sumatra, Java, Sulawesi, Kalimantan and Philippines	(Manning, 1966)	
<i>Engelhardia rigida</i> W. E. Manning	Leaflets glabrous, smooth-margined and short petioles, inflorescences lateral, fruit hairy, the fruiting catkins 8-15 (6-22) cm long and flowers small.	Java, Sumatra, Sulawesi, Kalimantan and New Guinea	( Jacobs, 1960; Manning, 1966)	
<i>Engelhardia apoensis</i> Elmer ex Nagel	Inflorescences lateral, fruit hairy, leaflets broad, ovate, entire and big, the lower leaflets similar size on same branch, bracteal lobes and perianth parts rather short and broad.	Malaya, Sumatra, Kalimantan, Sarawak, and Mindanao	( Jacobs, 1960; Manning, 1966)	
<i>Engelhardia hainanensis</i> Chen	Inflorescences lateral, fruit hairy, blade oblong-ovate or oblong-elliptic, abaxially pubescent along midvein and with scattered hairs in vein axils, subobtusate or subcordate, margin serrate, apex acuminate.	Hainan in China	(Lu et al., 1999)	

<i>Engelhardia serrata</i> var. <i>parvifolia</i> C.DC.	Inflorescences lateral, fruit hairy, leaflets small, typically elliptical or oblanceolate, serrate only in upper half of leaflet or very rarely entire.	Kalimantan, Samar and Luzoni in the Philippines	(Manning, 1966)	Not found in the field
<i>Engelhardia serrata</i> var. <i>nudiflora</i> Hook.f.	Inflorescences lateral, fruit hairy, leaflets serrate or crenate-serrate, only near apex or about half-way to base, mostly obtuse or acute but sometimes acuminate, commonly oblanceolate to obovate, the largest leaflets 2-4 cm. wide.	Thailand, Malaya and Sumatra	(Manning, 1966)	Not found in the field
<i>Engelhardia rigida</i> var. <i>subsimplicifolia</i> Merrill	Inflorescences lateral, fruit hairy, the leaflets are 2-4, and the fruit is very small.	Sulawesi, Kalimantan Luzon and Mindanao and New Guinea	(Manning, 1966)	Not found in the field
<i>Engelhardia kinabaluensis</i> E.J.F.Campb.	Not found	Borneo (Sabah)	(Campbell,1993)	synonymous name
<i>Engelhardia mendalomensis</i> E.J.F.Campb.	Not found	Borneo (Sabah)	(Campbell,1993)	synonymous name
<i>Engelhardia mersingensis</i> E.J.F.Campb.	Not found	Borneo (Sabah)	(Campbell,1993)	synonymous name
<i>Engelhardia danumensis</i> E.J.F.Campb.	Not found	Borneo (Sabah)	(Campbell,1993)	synonymous name

## References

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