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A comprehensive checklist of the deciduous photinia genus *Pourthiaea* (Maleae, Rosaceae), with emphasis on their validity and typification

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1 A comprehensive checklist of the deciduous photinia genus *Pourthiaea* (Maleae,
2 Rosaceae), with emphasis on their validity and typification

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4 running title: A checklist of *Pourthiaea*

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13 **Abstract:** Due to the complicated evolutionary history in *Pourthiaea*, one hundred and two taxa
14 have been described since 1784, and ninety-one of them are legally and validly published taxa, six
15 are naked names, and five are superfluous names. After comprehensively and critically evaluating,
16 215 names have been published, including new combinations, new status, and new names; this may
17 be due to the controversial taxonomic position of *Pourthiaea* in the apple tribe, Maleae. We herein
18 provided a taxonomic checklist of *Pourthiaea* for further taxonomic and evolutionary studies. We
19 also lectotypified four taxa: *Stranvaesia digyna*, *Photinia amphidoxa* var. *stylosa*, *P. glabra* var.
20 *fokienensis*, and *Viburnum komarovii*.

21 **Keywords:** lectotype, nomenclature, *Photinia*, *Stranvaesia*, taxonomy, typification

22 **Introduction**

23 *Pouthiaea* Decne. (Maleae, Rosaceae) is a small genus of deciduous shrubs or trees distributed
24 from East Asia to Southeast Asia (Kuan & Yu, 1974; Gu & Spongberg, 2003). The taxonomic
25 identity of *Pourthiaea* has been controversial for decades, either as a section of *Photinia* Lindl.
26 (Kuan & Yu, 1974; Robertson et al., 1991; Lu & Songberg, 2003; Campbell et al., 2007; Potter et al.,
27 2007), or a synonym of *Aronia* Medik. (Kalkman, 2004), or a separate genus *Pourthiaea* (Iketani &
28 Ohashi, 1991). The controversial taxonomic status of *Pourthiaea* makes the published names
29 unstable for the genus to which they belong. According to our comprehensively reviewing in this
30 study, nearly 215 names, including new combinations, new status, and new names, have been
31 published for the 91 legally published taxa. For example, a deciduous shrub endemic to South China
32 was published as *Photinia benthamiana* Hance in 1866. This taxon was then transferred either to
33 *Pourthiaea* as *P. benthamiana* (Hance) Nakai in 1916 or to *Stranvaesia* as *S. benthamiana* (Hance)
34 Merr. in 1917, as well as *Pyrus* as *P. benthamiana* (Hance) M.F.Fay & Christenh. in 2018.

35 Several recent phylogenetic studies have struggled to resolve the phylogenetic relationship
36 between *Pourthiaea* and its closely related genera. Guo et al. (2011) firstly confirmed the monophyly
37 of *Pourthiaea* using two plastid regions (*trnL-trnF* and *psbA-trnH*) and nuclear ribosomal ITS
38 sequences. Unfortunately, they did not resolve the phylogenetic relationships between *Pourthiaea*
39 and its relatives due to the limited informative sites. Based on transcriptomic data, Xiang et al.

(2017) recovered the sister relationship between *Pourthiaea* and a combined clade, including *Chaenomeles* Lindl., *Cydonia* Mill., and *Pseudocydonia* (C.K.Schneid.) C.K.Schneid. Furthermore, the result from the whole plastome and/or the plastid regions (Liu et al., 2019, 2020a, 2020b) supported the close relationship between *Pourthiaea* and part of *Malus* Mill., i.e., the Eastern North American and Mediterranean Europe clade (clade II of Figure 5 in Liu et al., 2022). However, the nuclear phylogeny inferred from 785 single-copy nuclear genes in our recent study supported the close relationship between *Pourthiaea* and a combined clade, *Cydonia* and *Pseudocydonia*, not including *Chaenomeles*, contradicting Xiang et al. (2017)'s result. The discordant phylogenetic position between nuclear and plastid topologies indicated a possible chloroplast capture event that occurred in the evolutionary history of *Pourthiaea*. In these series of phylogenetic and phylogenomic studies, the monophyly and phylogenetic position of *Pourthiaea* have been confidently resolved, and this was also supported by some morphological characters, such as deciduous leaves, warty peduncles and pedicels, Kribs'III–I heterogeneous rays in the wood, and clusters of stone cells surrounded by parenchymatous cells in the flesh of pomes (Iketani & Ohashi, 1991; Lu et al., 1991; Zhang, 1992).

Liu et al. (2019) provided a robust phylogeny of the *Photinia* complex using the whole plastome and the entire nuclear ribosomal DNA (nrDNA) sequences with a comprehensive taxon sampling. They offered a redefined generic circumscription of *Pourthiaea*, transferring two species and a variety of *Stranvaesia* Lindl. to *Pourthiaea*, i.e., *S. amphidoxa* C.K.Schneid., *S. amphidoxa* var. *amphileia* (Hand.-Mazz.) T.T.Yu, and *S. tomentosa* T.T.Yu & T.C.Ku. Unfortunately, these new taxonomic combinations were made repeatedly by Guo et al. (2020) and resulted in three later homonyms. Nowadays, the refined generic circumscription of *Pourthiaea* includes all the members of the previous *Photinia* sect. *Pourthiaea* C.K.Schneid. and these three newly transferred taxa from *Stranvaesia*. Unfortunately, the species delimitation of *Pourthiaea* has been controversial. Hybridization, allopolyploidy, and apomixis have promoted the diversification of the apple tribe Maleae (Campbell et al, 1991; Robertson et al., 1991; Kalkman, 2004; Liu et al., 2022). The self-incompatibility in the members of Maleae made them hybrid easily. These complex evolutionary processes promoted the significantly diversified and continuous characters, which greatly challenged

68 the species delimitation of *Pourthiaea*. Although a series of taxonomic studies have been made based
69 on the character analysis statistically at the population level (Liu et al., 2016a, 2016b, 2017), it is still
70 premature to make a confident species delimitation in *Pourthiaea*.

71 Evaluating all the names published in *Pourthiaea* will be helpful for further species
72 delimitation. In this study, we made a comprehensive checklist of *Pourthiaea*, and nearly one
73 hundred taxon names have been evaluated. This checklist will provide a solid foundation for future
74 taxonomic and evolutionary studies. In the genomic age, integrating hundreds of nuclear genes,
75 plastomes and morphology make it possible to explore species delimitations in the lineages with
76 complicated evolutionary history (Liu et al., 2021, 2022; Su et al., 2021).

77 **Materials and methods**

78 To comprehensively explore all the names published under *Pourthiaea* and other related genera,
79 we took over nine years (2013-2021) for this taxonomic study. We reviewed all names in the online
80 databases, such as Tropicos (<https://www.tropicos.org>), IPNI (<https://www.ipni.org/>), The Plant List
81 (<http://www.theplantlist.org/>), as well as all the literature related to *Pourthiaea*. In addition, we
82 evaluated the legality and validity of all names based on the Shenzhen Code (Turland et al. 2018). A
83 total of 568 type specimens were checked; they are from the following 54 herbaria, A, AU, BNU,
84 BM, BO, CDBI, CSFI, E, GH, GXMI, GZAC, HBG, HENU, HGAS, HHBG, HIB, HIMC, HITBC,
85 HTC, HUST, HX, HZU, IBK, IBSC, JJF, JN, JXAU, K, KUN, KYO, L, LBG, M, N, NAS, NKU,
86 NTUF, NY, P, PE, PH, QTPMB, SM, SNU, SYS, SZ, TAI, TI, U, UPS, US, WUK, ZJFC, and ZM,
87 and the herbarium code followed the Index Herbariorum (<http://sweetgum.nybg.org/science/ih/>)
88 hosted by New York Botanical Garden.

89 **Results**

90 We reviewed 215 names published in *Pourthiaea* and its related genera, and they belong to 91
91 legally and validly published taxa, six naked names, and five superfluous names. We also
92 lectotypified four taxa, i.e., *Stranvaesia digyna*, *Photinia amphidoxa* var. *stylosa*, *P. glabra* var.
93 *fokienensis*, and *Viburnum komarovii*. All these legal names in *Pourthiaea* have been arranged

94 chronologically in the following text.

95 **Taxonomic checklist**

96 *Pourthiaea* Decne., Nouv. Arch. Mus. Par. Ser. I, x. 146. 1874.

97 Lectotype, designated by Iketani & Ohashi (1991): *Pourthiaea villosa* (Thunb.) Decne. (basionym:
98 *Crataegus villosa* Thunb.).

99 **1. *Crataegus laevis*** Thunb., Fl. Jap. (Thunberg) 204. 1784.

100 ≡ *Photinia laevis* (Thunb.) DC., Prodr. [A. P. de Candolle] 2: 631. 1825. ≡ *Photinia villosa* (Thunb.)
101 DC. var. *laevis* (Thunb.) Dipp. ex C.K.Schneid., Ill. Handb. Laubholz. i. 710. 1906. ≡
102 *Pourthiaea villosa* (Thunb.) Decne. var. *laevis* (Thunb.) Stapf, Bot. Mag. tab. 9275. 1929. ≡
103 *Pourthiaea laevis* (Thunb.) Koidz., Fl. Symb. Orient.-Asiat. 52. 1930. Type: JAPAN. *s. loc.*,
104 *C.P. Thunberg s. n.* (holotype: UPS [accession no. 11864]!).

105 **2. *Crataegus villosa*** Thunb., Fl. Jap. (Thunberg) 204. 1784.

106 ≡ *Photinia villosa* (Thunb.) DC., Prodr. [A. P. de Candolle] 2: 631. 1825. ≡ *Pourthiaea villosa*
107 (Thunb.) Decne., Nouv. Arch. Mus. Par. Ser. I, x. 147. 1874. ≡ *Photinia laevis* (Thunb.) DC.
108 var. *villosa* (Thunb.) Koidz., Bot. Mag. (Tokyo) 39: 313. 1925. ≡ *Pourthiaea laevis* (Thunb.)
109 Koidz. var. *villosa* (Thunb.) Koidz., Fl. Symb. Orient.-Asiat. 52. 1930. Type: JAPAN. *s. loc.*,
110 *C.P. Thunberg s. n.* (holotype: UPS [accession no. 11881]!).

111 **3. *Myrtus laevis*** Thunb., Fl. Jap. (Thunberg) 198. 1784.

112 Type: JAPAN. *s. loc.*, *C.P. Thunberg s. n.* (holotype: UPS [accession no. 11735]!).

113 **4. *Photinia arguta*** Lindl., Edwards's Bot. Reg. 23: sub t. 1956. 1837.

114 ≡ *Pourthiaea arguta* (Lindl.) Decne., Nouv. Arch. Mus. Par. Ser. I, x. 147. 1874. ≡ *Pourthiaea*
115 *arguta* (Lindl.) Decne. var. *wallichii* Hook.f., Fl. Brit. India [J. D. Hooker] 2(5): 382. 1878.

116 nom. illeg. ≡ *Sorbus arguta* (Lindl.) Zabel, Handb. Laubh. Benenn. 200. 1903, non T.T.Yu,
117 Acta Phytotax. Sin. viii. 223. 1963. ≡ *Pyrus arguta* (Lindl.) M.F.Fay & Christenh., Global Fl. 4:
118 95. 2018. Type: INDIA. West Bengal: Pandua, *N. Wallich 672* (lectotype, designated by Liu &
119 Hong (2017)): K [barcode [K000758328](#)]!; isolectotypes: BM [barcode [BM000602136](#),
120 [BM000946990](#)]!, E [barcode [E00011328](#)]!, K [barcode [K000758327](#)]!, M [barcode [M0213888](#),
121 [M0213889](#)]!).

122 5. *Photinia pustulata* Lindl., Edwards's Bot. Reg. 23: sub t. 1956. 1837.

123 ≡ *Pourthiaea arguta* (Lindl.) Decne. subsp. *pustulata* (Lindl.) B.B.Liu & D.Y.Hong, Phytotaxa
124 325(1): 21. 2017. Type: CHINA. “China prope Cantonem, Parkes” [Guangdong]. *s. coll. s. n.*
125 (holotype: K [barcode [K000758265](#)]!).

126 6. *Stranvaesia digyna* Siebold & Zucc., Abh. Math.-Phys. Cl. Königl. Bayer. Akad. Wiss. 4(2):
127 129. 1845.

128 Type: JAPAN. *H. Bürger s. n.* (lectotype, designated here: M [barcode [M-0154027](#)]!; isolectotypes:
129 M [barcode [M-0154026](#)]!, M [barcode [M-0154028](#)]!).

130 7. *Photinia benthamiana* Hance, Ann. Sci. Nat., Bot. sér. 5, 5: 213. 1866.

131 ≡ *Pourthiaea benthamiana* (Hance) Nakai, Bot. Mag. (Tokyo) 30: 24. 1916. ≡ *Stranvaesia*
132 *benthamiana* (Hance) Merr., Philipp. J. Sci., C 12: 105. 1917. ≡ *Pyrus benthamiana* (Hance)
133 M.F.Fay & Christenh., Global Fl. 4: 98. 2018. Type: CHINA. Guangdong: Whampoa
134 [Huangpu], April 1865, *H.F. Hance 1501* (lectotype (selected by Vidal (1968), first step; second
135 step, designated by Liu & Hong (2017)): K [barcode [K000758275](#)]!; isolectotypes: K [barcode
136 [K000758280](#)]!, P [barcode [P02143118](#), [P02143182](#)]!, U [barcode [U0005861](#)]!). Whampoa
137 [Huangpu], May 1860, *H. F. Hance 1501* (syntype: K [barcode [K000758276](#)]!). *ibidem*, 20
138 September 1869, *H. F. Hance 1501* (syntypes: GH [barcode [00045596](#)]!, K [barcode
139 [K000758277](#)]!).

- 140 8. *Photinia villosa* (Thunb.) DC. var. *formosana* Hance, Ann. Sci. Nat., Bot., sér. 5 5: 212.
 141 1866.
- 142 ≡ *Pourthiaea formosana* (Hance) Koidz., Acta Phytotax. Geobot. 3(3): 147. 1934. Type: CHINA.
 143 Taiwan: Formosa [Taiwan]: Tamsuy [Danshui District], April 1864, *R. Oldham 11060*
 144 (holotype: BM [barcode [BM000602134](#)]!; isotype: P [barcode [P02143147](#)]!).
- 145 9. *Pourthiaea calleryana* Decne., Nouv. Arch. Mus. Par. Ser. I, x. 147. 1874.
- 146 ≡ *Photinia calleryana* (Decne.) Cardot, Bull. Mus. Natl. Hist. Nat. xxvi. 568. 1920. ≡ *Pyrus*
 147 *decaisnei* M.F.Fay & Christenh., Global Fl. 4: 99. 2018. Type: CHINA. Macao [Aomen], 1844,
 148 *J. Callery 197* (lectotype, designated by Liu & Hong (2017): P [barcode [P02143186](#)]!;
 149 isolectotype: P [barcode [P02143187](#)]!).
- 150 10. *Pourthiaea coreana* Decne., Nouv. Arch. Mus. Par. Ser. I, x. 148. 1874.
- 151 ≡ *Pourthiaea villosa* (Thunb.) Decne. var. *coreana* (Decne.) Nakai, Bot. Mag. (Tokyo) 30: 25. 1916.
 152 ≡ *Photinia villosa* (Thunb.) DC. var. *coreana* (Decne.) Rehder, J. Arnold Arbor. 2: 45. 1920.
 153 Type: JAPAN. “Tsu-sima Island, St. of COREA”, 1859, *C. Wilford s. n.* (lectotype, designated
 154 by Liu & Hong (2016a): P [barcode [P03650663](#), excluding COREA. Port Chusan, 1859, *C.*
 155 *Wilford s. n.*]!; isolectotypes: GH [barcode [00026817](#), excluding COREA. Port Chusan, 1859,
 156 *C. Wilford s. n.*]!, P [barcode [P03650621](#), excluding Japonia. Yokohama, 1862, *s. coll. s. n.*]!).
- 157 11. *Pourthiaea cotoneaster* Decne., Nouv. Arch. Mus. Par. Ser. I, x. 149. 1874.
- 158 ≡ *Photinia cotoneaster* (Decne.) Cardot, Bull. Mus. Natl. Hist. Nat., xxvi. 569. 1920. Type: JAPAN.
 159 *s. loc.*, *H. Zollinger 549* (lectotype, designated by Liu & Hong (2016a): P[barcode
 160 [P02143213](#)]!; isolectotype: P[barcode [P03650725](#)]!).

161 **12. *Pourthiaea hookeri*** Decne., *Nouv. Arch. Mus. Par. Ser. I*, x, 148. 1874.

162 ≡ *Pourthiaea arguta* (Lindl.) Decne. var. *hookeri* (Decne.) Hook.f., *Fl. Brit. India* [J. D. Hooker]
 163 2(5): 382. 1878. ≡ *Photinia hookeri* (Decne.) Merr., *Brittonia* 4: 82. 1941. ≡ *Photinia arguta*
 164 Lindl. var. *hookeri* (Decne.) J.E.Vidal, *Adansonia*, n.s. 5: 229. 1965. Type: INDIA. Sikkim,
 165 1855, *J.D. Hooker & T. Thomson 652* (holotype: P [barcode [P02143252](#)]!).

166 **13. *Pourthiaea lucida*** Decne., *Nouv. Arch. Mus. Par. Ser. I*, x, 148. 1874.

167 ≡ *Photinia lucida* (Decne.) C.K.Schneid., *Ill. Handb. Laubholz.* i. 710. 1906. ≡ *Pyrus pourthiaea*
 168 M.F.Fay & Christenh., *Global Fl.* 4: 116. 2018. Type: CHINA. Formosa [Taiwan]: Tamsuy
 169 [Danshui District], 1864, *R. Oldham 99* (lectotype, designated by Liu & Hong (2017): P
 170 [barcode [P02143146](#)]!; isolectotypes: P [barcode [P02143145](#), excluding the fruit branches]!, K
 171 [barcode [K000758283](#)]!, K[barcode [K000758284](#)]!). *ibidem*, *R. Oldham 99* (syntypes: P
 172 [barcode [P02143145](#), excluding the flowering branch]!, K [barcode [K000758284](#)]!).

173 **14. *Pourthiaea oldhamii*** Decne., *Nouv. Arch. Mus. Par. Ser. I*, x, 149. 1874.

174 Type: JAPAN. Yokohama, 1863, *R. Oldham 242* (holotype: P [barcode [P02143122](#)]!, isotypes: GH
 175 [barcode [00026818](#)]!, M [barcode [M-0213882](#)]!). 1853-56, *C. Wright s. n.* (syntype: P [barcode
 176 [P02143123](#)]!).

177 **15. *Pourthiaea salicifolia*** Decne., *Nouv. Arch. Mus. Par. Ser. I*, x, 148. 1874.

178 ≡ *Pourthiaea arguta* (Lindl.) Decne. var. *salicifolia* (Decne.) Hook.f., *Fl. Brit. India* [J. D. Hooker]
 179 2(5): 382. 1878. ≡ *Photinia salicifolia* (Decne.) C.K.Schneid., *Ill. Handb. Laubholz.* i. 709.
 180 1906. “later homonym”, non C.Presl, *Abh. Königl. Böhm. Ges. Wiss.* ser. 5, 6: 564. 1851. ≡
 181 *Photinia arguta* Lindl. var. *salicifolia* (Decne.) J.E.Vidal, *Adansonia*, n.s. 5: 229. 1965. ≡
 182 *Pourthiaea arguta* (Lindl.) Decne. var. *salicifolia* (Decne.) Iketani & H.Ohashi, *J. Jap. Bot.*
 183 66(6): 353. 1991. “later homonym”, non (Decne.) Hook.f., *Fl. Brit. India* [J. D. Hooker] 2(5):
 184 382. 1878. Type: BANGLADESH. “East Bengal” or INDIA. [Khasia] Meghalaya: Khasi, W.

185 *Griffith 2099* (lectotype, designated by Vidal (1968): P [barcode [P02143251](#)]!; isolectotype: K
186 [barcode [K000758337](#)]!).

187 16. *Pourthiaea thunbergii* Decne., *Nouv. Arch. Mus. Par. Ser. I*, x. 149. 1874.

188 Type: JAPAN. Nagasaki, 1862, *R. Oldham s. n.* (holotype: P [barcode [P02143124](#)]!).

189 17. *Pourthiaea zollingeri* Decne., *Nouv. Arch. Mus. Par. Ser. I*, x. 149. 1874.

190 ≡ *Photinia villosa* (Thunb.) DC. var. *zollingeri* (Decne.) C.K.Schneid., *Ill. Handb. Laubholzk.* i. 710.

191 1906. ≡ *Pourthiaea villosa* (Thunb.) Decne. var. *zollingeri* (Decne.) Nakai, *Bot. Mag. (Tokyo)*

192 30: 25. 1916. ≡ *Pourthiaea laevis* (Thunb.) Koidz. var. *zollingeri* (Decne.) Koidz., *Fl. Symb.*

193 *Orient.-Asiat.* 52. 1930. Type: JAPAN. *s. loc.*, *H. Zollinger 548* (lectotype, designated by Liu &

194 Hong (2016a): P [barcode [P02143126](#)]!; isolectotype: P [barcode [P03240057](#)]!).

195 18. *Stranvaesia calleryana* Decne., *Nouv. Arch. Mus. Par. Ser. I*, x. 179. 1874.

196 Type: CHINA. Macao [Aomen], 1844, *J. Callery 38* (lectotype, designated by Liu & Hong (2017): P

197 [barcode [P02143183](#)]!; isolectotypes: P [barcode [P02143184](#)]!, P [barcode [P02143185](#)]!).

198 19. *Photinia mollis* Hook.f., *Fl. Brit. India [J. D. Hooker]* 2(5): 381. 1878.

199 Type: INDIA. Sikkim Himalaya, at lower elevation, *J.D. Hooker s. n.* (holotype: K [barcode

200 [K000758335](#)]!). Darjiling [Darjeeling], April 1876, *J. S. Gamble 451* (syntype: K [barcode

201 [K000758332](#)]!). *ibidem*, *J. S. Gamble 451A* (syntype: K [barcode [K000758333](#)]!). *ibidem*, *J. S.*

202 *Gamble 451E* (syntype: K [barcode [K000758334](#)]!).

203 20. *Pourthiaea arguta* (Lindl.) Decne. var. *latifolia* Hook.f., *Fl. Brit. India [J. D. Hooker]* 2(5):

204 382. 1878.

205 Type: MYANMAR. Kachin, Myitkyina, Tanaing, Hookhoom valley [Hukawng valley], 27 March

206 1827, *W. Griffith 2103* (holotype: K [barcode [K000758346](#)]!; isotypes: GH [barcode

207 [00045582](#)]!, P [barcode [P03665952](#)]!).

- 208 21. *Pourthiaea arguta* (Lindl.) Decne. var. *membranacea* Hook.f., Fl. Brit. India [J. D. Hooker]
 209 2(5): 382. 1878. Type: not designated.
- 210 22. *Pourthiaea arguta* (Lindl.) Decne. var. *parvifolia* Hook.f., Fl. Brit. India [J. D. Hooker] 2(5):
 211 382. 1878. Type: not designated.
- 212 23. *Photinia glabra* (Thunb.) Maxim. var. *fokienensis* Finet & Franch., Bull. Soc. Bot. France
 213 47: 207. 1899.
- 214 ≡ *Photinia fokienensis* (Finet & Franch.) Franch., Bull. Mus. Natl. Hist. Nat. xxvi. 570. 1920. ≡
 215 *Pourthiaea fokienensis* (Finet & Franch.) Iketani & H. Ohashi, J. Jap. Bot. 66(6): 353. 1991. ≡
 216 *Pyrus fokienensis* (Finet & Franch.) M.F. Fay & Christenh., Global Fl. 4: 104. 2018. Type:
 217 CHINA. Fujian: Wuyishan County, Mount Wuyi, Kuantun [Guadun village], May 1998, J.D.D.
 218 *La Touche s.n.* (**lectotype, designated here:** P [barcode [P02143166](#)]!; isolectotype: A [barcode
 219 [00026744](#), [00026745](#), [00026746](#)]!, K [barcode [K000758282](#), [K000758354](#)]!, L [barcode
 220 [L0019504](#)]!, MA [barcode [MA628501](#), [MA631213](#)]!, P [barcode [P02143167](#), [P02143168](#)]!).
- 221 24. *Pourthiaea parvifolia* E.Pritz. ex Diels, Bot. Jahrb. Syst. 29(3-4): 389. 1900.
- 222 ≡ *Photinia parvifolia* (E.Pritz. ex Diels) C.K. Schneid., Ill. Handb. Laubholz. i. 711. 1906. ≡
 223 *Pourthiaea laevis* (Thunb.) Koidz. var. *parvifolia* (E.Pritz. ex Diels) Migo, Bull. Shanghai Sci.
 224 Inst. 14: 311. 1944. ≡ *Photinia villosa* (Thunb.) DC. var. *parvifolia* (E.Pritz. ex Diels) P.S. Hsu
 225 & L. Chu Li, Acta Phytotax. Sin. 18(3): 264. 1980. ≡ *Pourthiaea villosa* (Thunb.) Decne. var.
 226 *parvifolia* (E.Pritz. ex Diels) Iketani & H. Ohashi, J. Jap. Bot. 66(6): 354. 1991. ≡ *Pyrus*
 227 *fantabulosa* M.F. Fay & Christenh., Global Fl. 4: 103. 2018. Type: CHINA. Prov. de Hupeh.
 228 [Hubei]: Ichang, 1885-88, A. Henry 5830 (lectotype, designated by Liu & Hong (2016a): P
 229 [barcode [P02143150](#)]!; isolectotypes: A [barcode [00045590](#)]!, E [barcode [E00011320](#),
 230 [E00285981](#)]!, GH [barcode [00045587](#)]!, P [barcode [P02143151](#)]!). Szech'uan [Sichuan]:
 231 nanch'uan [Nanchuan], Tao kuo kou, C. Bock & A. von Rosthorn 211 (syntype: A [barcode
 232 [00045589](#)]!); ibidem, 1885-88, A. Henry 3002 (syntypes: P [barcode [P03342556](#)]!; image A
 233 [barcode [00045569](#), with fragments from B]!).

- 234 25. *Photinia beauverdiana* C.K.Schneid., Bull. Herb. Boissier Ser. II. vi. 319. 1906. (31 March
 235 1906).
- 236 ≡ *Pourthiaea beauverdiana* (C.K.Schneid.) Hatus., Bull. Exp. For. Kyushu Univ. 3: 99. 1933. ≡
 237 *Pourthiaea beauverdiana* (C.K.Schneid.) Migo, Bull. Shanghai Sci. Inst. 14: 310. 1944, “later
 238 homonym”. ≡ *Pyrus beauverdiana* (C.K.Schneid.) M.F.Fay & Christenh., Global Fl. 4: 98.
 239 2018. Type: CHINA. Szetschwan [Sichuan]: S. Wushan County “now belongs to Chongqing”,
 240 *A. Henry 5599* (lectotype, designated by Vidal (1968): K [barcode [K000758272](#)]!);
 241 isolectotypes: E [barcode [E00010993](#)]!, P [barcode [P03373765](#)]!).
- 242 26. *Photinia bergerae* C.K.Schneid., Ill. Handb. Laubholz. i. 709. 1906. (1 May 1906).
- 243 ≡ *Pourthiaea bergerae* (C.K.Schneid.) Iketani & H. Ohashi, J. Jap. Bot. 66(6): 353. 1991. ≡ *Pyrus*
 244 *bergerae* (C.K.Schneid.) M.F.Fay & Christenh., Global Fl. 4: 98. 2018. Type: CHINA. W.
 245 Hupei [Hubei]: Patung [Badong County], *E.H. Wilson 86* (lectotype, designated by Liu & Hong
 246 (2017): K [barcode [K000758281](#)]!; isolectotypes: A [barcode [00026737](#)]!, NY [barcode
 247 [00436111](#)]!).
- 248 27. *Photinia notabilis* C.K.Schneid., Ill. Handb. Laubholz. i. 711. 1906. (1 May 1906).
- 249 ≡ *Photinia beauverdiana* C.K.Schneid. var. *notabilis* (C.K.Schneid.) Rehder & E.H. Wilson, Pl.
 250 Wilson. 1(2): 188. 1912. ≡ *Pourthiaea beauverdiana* (C.K.Schneid.) Hatus. var. *notabilis*
 251 (C.K.Schneid.) Hatus., Bull. Exp. For. Kyushu Univ. 3: 99. 1933. Type: CHINA. W. Hupei
 252 [Hubei]: *E.H. Wilson 359* (lectotype, designated by Liu & Hong (2017): K [barcode
 253 [K000758271](#), excluding the fruit branches]!; isolectotypes: A [barcode [00038570](#), excluding the
 254 fruit branches]!, E [barcode [E00010995](#), excluding the fruit branches]!, K [barcode
 255 [K000758270](#), excluding the fruit branches]!, P [barcode [P02143174](#), excluding the fruit
 256 branches]!, US [barcode [00097501](#), excluding the fruit branches]!). W. Hupei [Hubei], *E. H.*
 257 *Wilson 359* (syntypes: A [barcode [00038570](#), excl. the branch in flowering phase]!, E [barcode
 258 [E00010995](#), excl. the branch in flowering phase]!, K [barcode [K000758270](#), excl. the branch in

259 flowering phase; K000758271, excl. the branch in flowering phase]!, P [barcode P02143174,
 260 excl. the branch in fruiting phase]!, US [barcode 00097501, excl. the branch in flowering
 261 phase!]).

262 28. *Stranvaesia amphidoxa* C.K.Schneid., Bull. Herb. Boissier Ser. II. vi. 319. 1906.

263 ≡ *Photinia amphidoxa* (C.K.Schneid.) Rehder & E.H.Wilson, Pl. Wilson. (Sargent) 1(2): 190. 1912.

264 ≡ *Pourthiaea amphidoxa* (C.K.Schneid.) Stapf, Bot. Mag. 155: sub t. 9275. 1929. ≡ *Pyrus*

265 *amphidoxa* (C.K.Schneid.) M.F.Fay & Christenh., Global Fl. 4: 95. 2018. Type: CHINA.

266 Szetschwan [Sichuan]: 1885-1888, A. Henry 5565 (holotype: K [barcode [K000758302](#)];

267 isotypes: E [barcode [E00010990](#)]!, GH [barcode [00033523](#)]!, US [barcode [00097546](#)]!).

268 29. *Photinia cavaleriei* H.Lév., Repert. Spec. Nov. Regni Veg. 4: 334. 1907.

269 Type: CHINA. Kouy-Tchéou [Guizhou]: Ly-Po [Libo County], 10 May 1899, *J. Cavalerie* 2631

270 (lectotype, designated by Liu & Hong (2017): E [barcode [E00010994](#)]!; isolectotypes: image A

271 [barcode [00045601](#)]! with fragments from E [barcode [E00010994](#)], P [barcode [P02143180](#)]!).

272 30. *Pyrus mokpoensis* H.Lév., Repert. Spec. Nov. Regni Veg. 7: 200. 1909. “*Pirus*”.

273 Type: SOUTH KOREA. “Circa Mokpo, Maio 1907”, *U. Faurie* 1556 (holotype: E [barcode

274 [E00011325](#)]!; isotype: A [barcode [00032499](#)]!).

275 31. *Viburnum komarovii* H.Lév. & Vaniot, Repert. Spec. Nov. Regni Veg. 9: 78. 1910.

276 ≡ *Photinia komarovii* (H.Lév. & Vaniot) L.T.Lu & C.L.Li, Acta Phytotax. Sin. 38(3): 278, 2000.

277 Type: CHINA. Kouy-Tchéou [Guizhou]: Ma-Jo, 8 October 1908, *J. Cavalerie* 1303 (**lectotype,**

278 **designated here:** E[barcode [E00011319](#)]!; isolectotypes: A[barcode [00045609](#)]!, E [barcode

279 [E00011318](#), excluding the flower branches], P[barcode [P03342568](#)]!).

- 280 32. *Photinia taiwanensis* Hayata, J. Coll. Sci. Imp. Univ. Tokyo xxx. Art. 1, 104. 1911.
- 281 Type: CHINA. Taiwan: Taipei, Taihoku, 15 November 1896, *T. Makino s. n.* (holotype: TI [barcode
282 T00596!]).
- 283 33. *Photinia lancifolia* Rehder & E.H.Wilson, Pl. Wilson. (Sargent) 1(2): 191. 1912.
- 284 Type: CHINA. Yunnan: Meng-lieh [Menglian County], 1,100 m, *A. Henry 12833* (holotype: A
285 [barcode 00045581!]; isotypes: E [barcode E00010992!], K [barcode K000758269!], NY
286 [barcode 00436113!], US [barcode 00097498!]. Puer, Szemao [Simao], 1,300 m, *A. Henry*
287 *13412* (paratype: A [barcode 00137805!]).
- 288 34. *Photinia schneideriana* Rehder & E.H.Wilson, Pl. Wilson. (Sargent) 1(2): 188. 1912.
- 289 ≡ *Pourthiaea schneideriana* (Rehder & E.H.Wilson) Iketani & H.Ohashi, J. Jap. Bot. 66(6): 354.
290 1991. ≡ *Pyrus schneideriana* (Rehder & E.H.Wilson) M.F.Fay & Christenh., Global Fl. 4: 120.
291 2018. Type: CHINA. Western Hupeh [Hubei]: Changyang Hsien, woodlands, 1300-1600m,
292 May 1907, *E.H. Wilson 476* (lectotype, designated by Liu & Hong (2017): A [barcode
293 00045605!]; isolectotypes: A [barcode 00045585, excluding the fruit branches and the material
294 in the packet!], E [barcode E00011322, excluding the fruit branches and the material in the
295 packet!], GH [barcode 00038558!], HBG [barcode HBG511071, excluding the fruit branches!],
296 K [barcode K000758288!], K [barcode K000758289, excluding the fruit branches and the
297 material in the packet!], US [barcode 00097503, excluding the fruit branches!]. Changyang,
298 woodlands, October 1907, *E. H. Wilson 476* (syntypes: A [barcode 00045585, excl. the branch
299 in flowering phase!], E [barcode E00011322, excl. the branch in flowering phase and the
300 inflorescences from packet; E00284666!], HBG [barcode HBG-511071, excl. the branch in
301 flowering phase!], K [barcode K000758289, excl. the branch in flowering phase and the
302 inflorescences from packet!], PE [barcode 01656469!], SYS [barcode SYS00075135!], US
303 [barcode 00097503, excl. the branch in flowering phase!]). Chang-lo Hsien, woods, 1,000–

304 1,500 m, May 1907, *E. H. Wilson 2973* (paratypes: HBG [barcode HBG-511072]!, SYS
305 [barcode SYS00075134]!).

306 35. *Photinia subumbellata* Rehder & E.H.Wilson, Pl. Wilson. (Sargent) 1(2): 189. 1912.

307 Type: CHINA. Western Hupeh [Hubei]: Changyang Hsien, 1300m, 7 May 1907, *E.H. Wilson 488*
308 (holotype A[barcode 00038568, excluding the fruit branches]!; isotypes E[barcode E00011321,
309 excluding the fruit branches]!, HBG [barcode HBG511074, excluding the fruit branches]!, K
310 [barcode K000758299, excluding the fruit branches]!, NY [barcode 00022711]!, US [barcode
311 00097505, excluding the fruit branches]!); *ibidem*, 7 October 1907, *E.H. Wilson 488* (paratypes:
312 A [barcode 00038568, excl. the material collected in 7 May 1907, i.e. the branches in flowering
313 phase]!, E [barcode E00011321, excl. the material collected in 7 May 1907, i.e. the branches in
314 flowering phase]!, HBG [barcode HBG-511074, excl. the material collected in 7 May 1907, i.e.
315 the branches in flowering phase]!, K [barcode K000758299, excl. the material collected in 7
316 May 1907, i.e. the branches in flowering phase]!, US [barcode 00097505, excl. the material
317 collected in 7 May 1907, i.e. the branches in flowering phase]!); Western Hupeh, side of stream,
318 1,600–2,000 m, October 1907, *E.H. Wilson 398* (paratype: HBG [barcode HBG-511076]!). *A.*
319 *Henry 7664* (paratype: P [barcode P03342557]!). Prov. Szech'uan [Sichuan], *A. Henry 5518*
320 (paratype: P [barcode P03342562]!).

321 36. *Photinia villosa* (Thunb.) DC. var. *sinica* Rehder & E.H.Wilson, Pl. Wilson. 1(2): 186. 1912.

322 ≡ *Pourthiaea villosa* (Thunb.) Decne. var. *sinica* (Rehder & E.H.Wilson) Migo, Bull. Shanghai Sci.
323 Inst. 14: 311. 1944. Type: CHINA. Western Hupeh [Hubei]: Fang Hsien, 1300-1600m, 4 June
324 1907, *E.H. Wilson 610* (lectotype, designated by Liu & Hong (2016a): A [barcode 00045573,
325 excluding the seeds in the packet]!; isolectotypes: A [barcode 00045572, excluding the fruit
326 branches and the seeds in the packet]!, HBG [barcode HBG511081, excluding the fruit
327 branches]!, K [barcode K000758296]!, US [barcode 00097507, excluding the fruit branches]!);
328 *ibidem*, November 1907, *E.H. Wilson 610* (paratypes: A [barcode 00045572, excl. the materials
329 collected in 4 June 1907, i.e. the branches in flowering phase]!, A [barcode 00045573, only

330 including the seeds in the packet]!, HBG [barcode HBG-511081, excl. the materials collected in
 331 4 June 1907, i.e. the branches in flowering phase]!, K [barcode K000758295]!, US [barcode
 332 00097507, excl. the materials collected in 4 June 1907, i.e. the branches in flowering phase]!).
 333 Western Hupeh, woods, 1,000–1,300 m, May 1907, *E.H. Wilson 2972* (paratype: HBG [barcode
 334 HBG-511084]!). Xingshan, Western Hupeh, 1,000-1,500 m, May and October 1907, *E.H.*
 335 *Wilson 333* (paratype: HBG [barcode HBG-511083]!). W. Hupeh, *E.H. Wilson 714* (paratype:
 336 HBG [barcode HBG-511082]!).

337 37. *Pyrus brunnea* H.Lév., Repert. Spec. Nov. Regni Veg. 10: 377. 1912. “*Pirus*”.

338 ≡ *Pourthiaea villosa* (Thunb.) Decne. var. *brunnea* (H.Lév.) Nakai, Bot. Mag. (Tokyo) 30: 25. 1916.

339 ≡ *Pourthiaea brunnea* (H.Lév.) Nakai, Jap. J. Bot. 18: 617. 1942. Type: SOUTH KOREA.

340 “Quelpaert, in silvis Hallaisan, 800m, October 1909”, *L. Taquet 2819* (holotype: E [barcode
 341 E00011324]!; isotype A [barcode 00045571]!).

342 38. *Pyrus sinensis* Lindl. var. *maximowicziana* H.Lév., Repert. Spec. Nov. Regni Veg. 10: 377.
 343 1912. “*Pirus*”.

344 Type: SOUTH KOREA. “Quelpaert, in silvis Haitchenam, aug. 1909”, *L. Taquet 2821* (holotype: E
 345 [barcode E00011326]!).

346 39. *Pyrus spectabilis* Aiton var. *albescens* H.Lév., Repert. Spec. Nov. Regni Veg. 10: 377. 1912.
 347 “*Pirus*”.

348 ≡ *Pourthiaea laevis* (Thunb.) Koidz. var. *albescens* (H.Lév.) Nakai, Bull. Natl. Sci. Mus. Tokyo 31:
 349 62. 1952. Type: SOUTH KOREA. “Quelpaert, in silvis Hallaisan, 800m, jun. 1909”, *L. Taquet*
 350 *2815* (holotype: E!; isotypes: A [barcode 00045577]!, image A [barcode 00045578] with a
 351 fragment ex E!).

- 352 40. *Pyrus feddei* H.Lév., Repert. Spec. Nov. Regni Veg. 12: 189. 1913. “*Pirus*”.
- 353 Type: CHINA. Kouy-Tchéou [Guizhou]: Pin-Fa [Pingfa Village, Guiding County], 8 October 1905,
354 *J. Cavalerie & Fortunat* 2533 (holotype: E [barcode [E00010991](#)]!; isotype: P [barcode
355 [P02143242](#)]!).
- 356 41. *Photinia amphidoxa* (C.K.Schneid.) Rehder & E.H.Wilson var. *stylosa* Cardot, Notul. Syst.
357 (Paris) 3: 377. 1914.
- 358 Type: CHINA. Kouy-tcheou [Guizhou]: “Tsin-gai, Kao-po”, 8 August 1903, *J. Cavalerie &*
359 *Fortunat* 1248 (lectotype, designated here: P [barcode [P02143239](#)]!).
- 360 42. *Photinia arguta* Lindl. var. *sinensis* Cardot, Notul. Syst. (Paris) 3: 377. 1914.
- 361 Type: CHINA. Kouy-tcheou [Guizhou]: “bois de Bai-gnin (Xingren County, Baling)”, 25 May 1911,
362 *J. Esquirol* 2624 (holotype: P [barcode [P02143214](#)]!; isotypes: image A [barcode [00026238](#)]!
363 with fragments from E [barcode [E00011308](#)], E [barcode [E00011308](#)]!).
- 364 43. *Photinia beauverdiana* C.K.Schneid. var. *brevifolia* Cardot, Notul. Syst. (Paris) 3: 378.
365 1914.
- 366 ≡ *Pourthiaea beauverdiana* (C.K.Schneid.) Hatus. var. *brevifolia* (Cardot) Iketani & H.Ohashi, J.
367 Jap. Bot. 66(6): 353. 1991. Type: CHINA. Western Hupeh [Hubei]: C. China, Shing-shan
368 [Xingshan County] or Nanto, May 1900, *E.H. Wilson* 794 (lectotype, designated by Liu & Hong
369 (2017): P [barcode [P02143175](#)]!; isolectotype: A [barcode [00045593](#)]!). “Su-tchuen oriental:
370 district de Tchen-keou-tin” [Chongqing: Chengkou County], *R. P. Farges s. n.* (syntypes: K
371 [barcode [K000758274](#)]!, NY [barcode [00436110](#)]!, P [barcode [P02143177](#), [P02143178](#),
372 [P02143179](#)]!). C. China, Wushan, June 1900, *E. H. Wilson* 1056 (syntypes: A [barcode
373 [00045588](#)]!, P [barcode [P02143176](#)]!).

- 374 **44. *Photinia benthamiana*** Hance var. *glabrescens* Cardot, Notul. Syst. (Paris) 3: 375. 1914.
- 375 ≡ *Pourthiaea benthamiana* (Hance) Nakai var. *glabrescens* (Cardot) Iketani & H. Ohashi, J. Jap. Bot.
- 376 66(6): 353. 1991. Type: VIETNAM. “Annam: massif du Lang-bian, entre Klou et Danhim, 900-
- 377 1200m”, 19 February 1914, *A.J.B. Chevalier 30950* (lectotype, designated by Liu & Hong
- 378 (2017): P [barcode [P02143197](#)]!; isolectotypes: P [barcode [P02143198](#), [P02143199](#)]!).
- 379 **45. *Photinia benthamiana*** Hance var. *glabrescens* Cardot f. *angustifolia* Cardot, Notul. Syst.
- 380 (Paris) 3: 376. 1914.
- 381 Type: VIETNAM. “Annam: massif du Lang-bian, Dalat, alt. 1400m”, 12 February 1914, *A.J.B.*
- 382 *Chevalier 30739* (lectotype, designated by Liu & Hong (2017): P [barcode [P02143200](#)]!;
- 383 isolectotypes: P [barcode [P02143201](#)]!, P [barcode [P02143202](#)]!).
- 384 **46. *Photinia benthamiana*** Hance var. *glabrescens* Cardot f. *latifolia* Cardot, Notul. Syst. (Paris)
- 385 3: 376. 1914.
- 386 Type: VIETNAM. “Annam: Plateau du Lang Bian, prov. du Haut-Donai, 2500m”, *Jacquet 626*
- 387 (lectotype, designated by Liu & Hong (2017): P [barcode [P02143188](#)]!; isolectotype: P [barcode
- 388 [P02143189](#)]!).
- 389 **47. *Photinia benthamiana*** Hance var. *salicifolia* Cardot, Notul. Syst. (Paris) 3: 376. 1914.
- 390 ≡ *Pourthiaea benthamiana* (Hance) Nakai var. *salicifolia* (Cardot) Iketani & H. Ohashi, J. Jap. Bot.
- 391 66(6): 353. 1991. Type: VIETNAM. “Annam: province de Thuan-tien, haut bassin du Bo-
- 392 giang”, *P.A. Eberhardt 1999* (lectotype, designated by Vidal (1968): P [barcode [P02143194](#)]!).
- 393 “Annam: province de Thuan-tien, haut bassin du Bo-giang”, *P. A. Eberhardt 2738* (syntype: P
- 394 [barcode [P02143195](#), [P02143196](#)]!).

395 48. *Photinia brevipetiolata* Cardot, Notul. Syst. (Paris) 3: 379. 1914.

396 Type: CHINA. “Kouy-tcheou: route de Pin-fa à Kouy-yang, haut plateau” [Guizhou: on the road
397 from Pingfa village, Yunwu, Guiding County to Guiyang], *J. Cavalerie & Fortunat* 2607
398 (holotype: P [barcode [P02143212](#)]!).

399 49. *Photinia calleryana* (Decne.) Cardot var. *laosensis* Cardot, Notul. Syst. (Paris) 3: 377. 1914.

400 Type: LAOS. “Bassin d’Attopeu”, March 1877, *J.H.A.J. Harmand* 1131 (lectotype, designated by
401 Liu & Hong (2017): P [barcode [P02143190](#)]!; isolectotypes: P [barcode [P02143191](#),
402 [P02143192](#), [P02143193](#)]!).

403 50. *Photinia fauriei* Cardot, Notul. Syst. (Paris) 3: 376. 1914.

404 Type: CHINA. Formosa [Taiwan]: Kelung [Jilong], 1914, *U.J. Faurie* 81 (lectotype, designated by
405 Liu & Hong (2017): P [barcode [P02143116](#)]!; isolectotype: BM [barcode [BM000629115](#)]!).

406 51. *Photinia parviflora* Cardot, Notul. Syst. (Paris) 3: 378. 1914.

407 ≡ *Pourthiaea parviflora* (Cardot) Iketani & H.Ohashi, *J. Jap. Bot.* 66(6): 353. 1991. ≡ *Photinia*
408 *schneideriana* Rehder & E.H.Wilson var. *parviflora* (Cardot) L.T.Lu & C.L.Li, *Acta Phytotax.*
409 *Sin.* 38(3): 277. 2000. ≡ *Pyrus eyola* M.F.Fay & Christenh., *Global Fl.* 4: 103. 2018. Type:
410 CHINA. Kouy-tcheou [Guizhou]: “Kin-tchen-hia” [Longli County, Chengxia], 3 May 1907, *J.*
411 *Cavalerie* 3080 (holotype: P [barcode [P02143181](#)]!).

412 52. *Photinia subumbellata* Rehder & E.H.Wilson var. *villosa* Cardot, Notul. Syst. (Paris) 3: 379.
413 1914.

414 Type: CHINA. Fu-tschan [probably Ku-shan], 1883, *Popow s. n.* (holotype: P [barcode
415 [P02143152](#)]!; isotype A [barcode [00045583](#)]!-fragment ex P [barcode [P02143152](#)]!).

416 53. *Photinia villosa* (Thunb.) DC. var. ***emergens*** Cardot, Notul. Syst. (Paris) 3: 378. 1914.

417 Type: JAPAN. “montagne de Hakodate, octobre 1887”, *U. Faurie* 3224 (lectotype, designated by

418 Liu & Hong (2016a): P [barcode P03650697]!; isolectotype: P [barcode P02143125]!).

419 “Province d’Akita, octobre 1885”, *U. Faurie* 1431 (syntype: P [barcode P03650628]!).

420 54. *Photinia impressivena* Hayata, Icon. Pl. Formosan. 5: 67. 1915.

421 ≡ *Stranvaesia impressivena* (Hayata) Masam., Ann. Rep. Taihoku Bot. Gard. ii. 127. 1932. ≡

422 *Pourthiaea impressivena* (Hayata) Iketani & H.Ohashi, J. Jap. Bot. 66(6): 353. 1991. ≡ *Pyrus*

423 *impressivena* (Hayata) M.F.Fay & Christenh., Global Fl. 4: 108. 2018. Type: CHINA. Fokien

424 [Fujian]: Fuzhou, Mt. Kozan, November 1909, *Nagasawa s. n.* (holotype: TI!; isotypes: A

425 [barcode 00038572, 00038573]!).

426 55. *Pourthiaea villosa* (Thunb.) Decne. var. ***longipes*** Nakai, Bot. Mag. (Tokyo) 30: 25. 1916.

427 ≡ *Pourthiaea longipes* (Nakai) Nakai, Bot. Mag. (Tokyo) 48: 781. 1934. Type: SOUTH KOREA.

428 Jeollanam-do: “Hab. in silvis Wangtô et montis Chirisan”, 20 June 1913, *T. Nakai s. n.*

429 (lectotype, designated by Liu & Hong (2016a): TI [barcode T00010502]!). in silvis montis

430 Hakuyôzan, *S. Tate s. n.* (syntype: TI). in silvis montis Wangto, *T. Nakai 11358* (syntype: TI).

431 Shinkinri insulae Gai-Rarôtô, *T. Nakai 11354* (syntype: TI). in silvis montis Hakuyôzan, Reisui,

432 *T. Nakai 11355* (syntype: TI). in silvis montis Hakuyôzan, *T. Nakai 11356* (syntype: TI). in

433 silvis montium Chirisan, *T. Nakai 139* (syntype: TI). in silvis montis Wangto, *T. Nakai 11358*

434 (syntype: TI). Shinkinri insulae Gai-Rarôtô, *T. Nakai 11354* (syntype: TI). in silvis montis

435 Hakuyôzan, Reisui, *T. Nakai 11355* (syntype: TI); in silvis montis Hakuyôzan, *T. Nakai 11356*

436 (syntype: TI). in silvis montium Chirisan, *T. Nakai 139* (syntype: TI).

437 56. *Cotoneaster blinii* H.Lév., Cat. Pl. Yun-Nan 229. 1917.

438 ≡ *Photinia blinii* (H.Lév.) Rehder J. Arnold Arbor. 17(4): 335. 1936. ≡ *Pourthiaea blinii* (H.Lév.)

439 Iketani & H.Ohashi, J. Jap. Bot. 66(6): 353. 1991. ≡ *Pyrus blinii* (H.Lév.) M.F.Fay &

440 Christenh., Global Fl. 4: 98. 2018. Type: CHINA. Kouy-tcheou [Guizhou]: “Goui-reou, lit
 441 même du fleuve”, 600m, 2 October 1912, *J.Esquirol 3700* (holotype E [barcode [E00010997](#)]!);
 442 isotype: image A [barcode [00026738](#)]! with a fragment ex E [barcode [E00010997](#)].

443 57. *Photinia obliqua* Stapf, Bot. Mag. 149: sub t. 9008. 1924.

444 ≡ *Pourthiaea obliqua* (Stapf) Iketani & H.Ohashi, J. Jap. Bot. 66(6): 354. 1991. ≡ *Pyrus obliqua*
 445 (Stapf) M.F.Fay & Christenh., Global Fl. 4: 114. 2018. Type: CHINA. Fokien [Fujian]:
 446 Foochow [Fuzhou], *W.R. Carles 839* (holotype: K [barcode [K000758285](#)]!; isotypes: image A
 447 [barcode [00038559](#)]! with fragments from K [barcode [K000758285](#)]).

448 58. *Photinia hirsuta* Hand.-Mazz., Symb. Sin. Pt. vii. 481. 1933.

449 ≡ *Pourthiaea hirsuta* (Hand.-Mazz.) Iketani & H.Ohashi, J. Jap. Bot. 66(6): 353. 1991. ≡ *Pyrus*
 450 *hirsuta* (Hand.-Mazz.) M.F.Fay & Christenh., Global Fl. 4: 107. 2018. Type: CHINA. Hunan:
 451 Changsha, “Hartlaubwalde des Yolu-schan bei Tschangcha, str. St., Sandstein, 100-300m”, 10
 452 December 1917, *H.R.E. Handel-Mazzetti 11416* (holotype: WU [barcode [WU0059450](#)]!;
 453 isotype: A [barcode [00045606](#)]!).

454 59. *Pourthiaea kankoensis* Hatus., Bull. Exp. For. Kyushu 3: 99. 1933.

455 ≡ *Photinia parvifolia* (E.Pritz. ex Diels) C.K.Schneid. var. *kankoensis* (Hatus.) T.T.Yu & K.C.Kuan,
 456 Fl. Reipubl. Popularis Sin. 36: 259. 1974. Type: CHINA. Taiwan: Mt. Rohon, 900m, November
 457 1932, *S. Hatusima 793* (syntype FU).

458 60. *Pourthiaea zollingeri* Decne. var. *yesoensis* Nakai, Bot. Mag. (Tokyo) 48: 782. 1934.

459 ≡ *Pourthiaea laevis* (Thunb.) Koidz. var. *yesoensis* (Nakai) Nakai, Jap. J. Bot. 18: 618. 1942. Type:
 460 JAPAN. Prov. Hidaka: Mt. Apoi, August 1928, *T. Nakai s. n.* (lectotype, designated by Liu &
 461 Hong (2016a): TI [barcode [00002995](#)]!). Prov. Hidaka: Samani, 18 June, *K. Miyabe s.n.*
 462 (syntype: TI [barcode [T00002996](#)]!).

463 61. *Photinia euphlebia* Merr. & Chun, Sunyatsenia 2: 239. 1935.

464 Type: CHINA. Hainan: Qiongzong, Fanyi village, 24 October 1932, 3000m, *N.K. Chun & C.L. Tso*
 465 44134 (holotype: IBSC [barcode [0318867](#)]!; isotypes: A [barcode [00026741](#)]!, F [barcode
 466 [f0068223f](#)]!, IBK [barcode [IBK00062249](#)]!, IBSC [barcode [0318866](#)]!, KUN [barcode
 467 [0641709](#)]!, NY [barcode [00436119](#)]!, P [barcode [P02143171](#)]!, PE [barcode [00336450](#)]!, SYS
 468 [barcode [SYS00095743](#)]!, SZ [barcode [00197141](#)]!, US [barcode [00097495](#)]!, WIS [barcode
 469 [v0255003WIS](#)]!).

470 62. *Photinia tsaii* Rehder, J. Arnold Arbor. 19: 274. 1938.

471 ≡ *Pourthiaea tsaii* (Rehder) Iketani & H.Ohashi, J. Jap. Bot. 66(6): 354. 1991. ≡ *Pyrus tsaii* (Rehder)
 472 M.F.Fay & Christenh., Global Fl. 4: 124. 2018. Type: CHINA. Yunnan: Shang-pa-hsien
 473 [Fugong County, Shangpa], 1500 m, 28 September 1933, *H.T. Tsai 54959* (holotype: A
 474 [barcode [00045570](#)]!; isotypes: IBSC [barcode [0004377](#)]!, KUN [barcode [313254](#)]!, NAS
 475 [barcode [NAS00071263](#)]!, PE [barcode [00020610](#), [00020612](#)]!). Shangpa, 1,500 m, 2
 476 September 1933, *H. T. Tsai 54688* (paratypes: IBSC [barcode [0319885](#)]!, KUN [barcode
 477 [0640795](#), specimen accession no. [0683743](#)]!, NAS [barcode [NAS00071262](#)]!, PE [barcode
 478 [00337715](#), [00337717](#)]!]; ibidem, 2,000 m, 24 October 1934, *H. T. Tsai 58945* (paratypes: IBSC
 479 [barcode [0004376](#)]!, KUN [barcode [0640794](#)]!, NAS [barcode [NAS00354327](#)]!, PE [barcode
 480 [00337716](#), [00337718](#)]!).

481 63. *Photinia amphidoxa* (C.K.Schneid.) Rehder & E.H.Wilson var. *kwangsiensis* F.P.Metcalf, J.
 482 Arnold Arbor. 20(4): 442. 1939.

483 Type: CHINA. Guangxi: Sanjiang County, Lingwang Shan [Yuanbao Shan], 19 September 1933,
 484 2100m, *A.N. Steward & H.C. Cheo 1011* (holotype: A [barcode [00026736](#)]!; isotypes: N
 485 [barcode [126077161](#), [126077161_1](#)]!).

486 64. *Photinia beauverdiana* C.K.Schneid. var. *lohfauiensis* F.P.Metcalf, J. Arnold Arbor. 20(4):
487 440. 1939.

488 Type: CHINA. Kwantung [Guangdong]: Loh-fau [Luofu Mountain], 14 August 1917, *C.O. Levine*
489 1377 (holotype: A [barcode 00045595]!). ibidem, *C. O. Levine 1381* (paratypes: AU?, A?);
490 ibidem, *C. O. Levine 1553* (paratype: AU?). Lechang, 29 May 1929, *C. L. Tso 20832*
491 (paratypes: IBSC [barcode 0004360, 0319644, 0319655]!). Yunan: Lung T'au Shan [Longtang
492 Shan], 18 June 1924, *Lingnan (To and Ts'ang) 12503* (paratypes: PE [barcode 00337413,
493 00337414]!); ibidem, 7 June 1924, *Lingnan (To and Ts'ang) 12432* (IBSC [barcode 0319637]!).
494 Xiamen: *H. H. Chung 6399* (paratypes: AU [barcode 010130, 010132]!).

495 65. *Photinia mollis* Hook.f. var. *angustifolia* C.E.C.Fisch., Bull. Misc. Inform. Kew 7: 335.
496 1939.

497 Type: MYANMAR. Myitkyina District: Tanpangkha, about 3 miles from Seniku, on rocks beside the
498 stream, 300m, 22 March 1938, *C.W.D. Kermode 16608* (holotype: K (barcode K000758336)!).

499 66. *Pourthiaea laevis* (Thunb.) Koidz. var. *crassiuscula* Nakai, Jap. J. Bot. 18: 619. 1942.

500 Type: JAPAN. Prov. Sinano: in monte Togakusi, 11 July 1884, *Z. Mutamura s. n.* (lectotype,
501 designated by Liu & Hong (2016a): TI [barcode 00031786]!). Prov. Uzen: Yonezawa, October
502 1914, *G. Koidzumi* (paratype: TI [barcode T00031788]!). Prov. Simotuke: Tyûzenzi, 29
503 September 1879, *K. Sawada* (paratype: TI). Prov. Yamasiro: Hattyôdaira oppidi Kuta, 29
504 September 1934, *Y. Momiyama 660* (paratype: TI). Prov. Uzen: Yonezawa, October 1914, *G.*
505 *Koidzumi s.n.* (syntype: TI [barcode T00031788]!).

506 67. *Pourthiaea villosa* (Thunb.) Decne. var. *yokohamensis* Nakai, Jap. J. Bot. 18: 618. 1942.

507 Type: JAPAN. Yokohama, Musasi, 23 June 1932, *K. Hisauchi s. n.* (lectotype, designated by Liu &
508 Hong (2016a): TI-00010504!). Yokohama, Musasi, 15 May 1933, *K. Hisauchi s.n.* (paratype: TI
509 [barcode T00010505]!).

- 510 68. *Pyrus moiorum* A.Chev., Rev. Bot. Appl. Agric. Trop. xxii. 375. 1942.
- 511 ≡ *Photinia moiorum* (A.Chev.) J.E.Vidal, Fl. Cambodge, Laos & Vietnam Fasc. 6, 48. 1968. ≡
- 512 *Pourthiaea moiorum* (A.Chev.) Iketani & H.Ohashi, J. Jap. Bot. 66(6): 354. 1991. Type: LAOS.
- 513 “Nord de Pakson plateau des Boloven, Pro. de Bassac”, 1300m, 31 October 1928, *E. Poilane*
- 514 16225 (lectotype (selected by Vidal (1968), first step; second step, designated by Liu & Hong
- 515 (2017)): P [barcode [P02143149](#)]!; isolectotypes: A [barcode [00026801](#)], K [barcode
- 516 [K000758355](#), [K000758356](#)]!, L [barcode [L0019508](#)]!, P [barcode [P02143148](#), [P02143204](#)]!).
- 517 69. *Photinia benthamiana* Hance var. *obovata* H.L.Li, J. Arnold Arbor. 25(2): 208. 1944.
- 518 ≡ *Pourthiaea benthamiana* (Hance) Nakai var. *obovata* (H.L.Li) Iketani & H.Ohashi, J. Jap. Bot.
- 519 66(6): 353. 1991. Type: CHINA. Hainan: Lingshui County, 300ft., 20 October 1935, *F.C. How*
- 520 73904 (holotype: A [barcode [00045597](#)]!; isotypes: IBSC [barcode [0318212](#)]!, P [barcode
- 521 [P03240040](#)]!).
- 522 70. *Photinia lancilimum* J.E.Vidal, Notul. Syst. (Paris) 13(4): 298. 1948.
- 523 Type: VIETNAM. “Annam: Nui Bach Ma station d’altitude de Huê” [Huê, Bach Ma National Park],
- 524 1200-1500m, 13 December 1940, *E. Poilane 31128* (lectotype, designated by Liu & Hong
- 525 (2017): P [barcode [P02143249](#)]!; isolectotypes: K [barcode [K000758351](#)]!, P [barcode
- 526 [P02143253](#)]!). Lac Duong, “Annam: Nui Bach Ma station d’altitude de Huê” [Huê, Bach Ma
- 527 National Park], 13 December 1940, *E. Poilane 31137* (syntypes: P [barcode [P03373767](#),
- 528 [P03373771](#)]!). “massif du Lang Bian” [Đà Lạt Plateau Liang Bian], 1,000–1,200 m, 29 April
- 529 1919, A. J. B. *Chevalier 40347* (syntypes: P [barcode [P03373769](#), [P03373770](#)]!). “Annam: Nui
- 530 Bach Ma station d’altitude près de Huê Grand cascade – Altitude 1,000 m” [Huê, Bach Ma
- 531 National Park], 15 April 1939, *E. Poilane 29737* (syntypes: P [barcode [P03373734](#), [P03156772](#),
- 532 [P03373735](#)]!).

533 71. *Photinia lancilimum* J.E.Vidal var. *petaloconstricta* J.E.Vidal, Notul. Syst. (Paris) 13(4):
534 299. 1948.

535 Type: LAOS: “M. Xuong, prov. Luang Prabang”, 400m, 26 March 1932, *E. Poilane 20517*
536 (lectotype, designated by Liu & Hong (2017): P [barcode [P02143215](#)]!; isolectotypes: K
537 [barcode [K000758352](#)]!, P [barcode [P02143216](#)]!).

538 72. *Photinia lancilimum* J.E.Vidal var. *racemosa* J.E.Vidal, Notul. Syst. (Paris) 13(4): 299.
539 1948.

540 Type: VIETNAM. “Tonkin: cours de la Rivière Noire en aval de Lai Chau”, 21 January 1938, *E.*
541 *Poilane 27159* (lectotype, designated by Liu & Hong (2017): P [barcode [P02143217](#)]!;
542 isolectotypes: K [barcode [K000758353](#)]!, P [barcode [P02143218](#)]!).

543 73. *Photinia lancilimum* J.E.Vidal var. *turbinata* J.E.Vidal, Notul. Syst. (Paris) 13(4): 299.
544 1948.

545 Type: VIETNAM. “Plateau d’altitude de Bach Ma, près Hué” [Hué, Bach Ma National Park], 16
546 June 1944, *J.E. Vidal 33A* (holotype: P [barcode [P02143219](#)]!).

547 74. *Photinia lancilimum* J.E.Vidal var. *urceolocarpa* J.E.Vidal, Notul. Syst. (Paris) 13(4): 299.
548 1948.

549 ≡ *Photinia impressivena* Hayata var. *urceolocarpa* (J.E.Vidal) J.E.Vidal, Fl. Cambodge, Laos &
550 Vietnam 6: 51, pl. 6, f. 4–5. 1968. ≡ *Pourthiaea impressivena* (Hayata) Iketani & H.Ohashi var.
551 *urceolocarpa* (J.E.Vidal) Iketani & H.Ohashi, J. Jap. Bot. 66(6): 354. 1991. Type: VIETNAM.
552 “bords du torrent de Muong Xen, Km. 19 Route de Lao Cai à Cha Pa”, 1 August 1944, *J.E.*
553 *Vidal 32* (lectotype, designated by Vidal (1968): P [barcode [P02143250](#)]!). LAO CAI. “bords
554 du torrent de Muong Xen, Km. 19 Route de Lao Cai à Cha Pa”, August 1943, *A. Pélelot 8407*
555 (syntype: P [barcode [P03342482](#)]!). *ibidem*, 1 August 1944, *J. E. Vidal 32A* (syntype: P
556 [barcode [P02143172](#), [P02143173](#)]!).

557 75. *Pourthiaea villosa* (Thunb.) Decne. var. *oblongifolia* Murata, Acta Phytotax. Geobot. 15:
558 177. 1954.

559 ≡ *Pourthiaea villosa* (Thunb.) Decne. var. *laevis* (Thunb.) Stapf f. *oblongifolia* (Murata) Satomi, J.
560 Phytogeogr. Taxon. 28(1): 32. 1980. Type: JAPAN. “Honshiu Prov. Yamato: Inter Misen et
561 Shakadake in Montibus Oomine”, 1750m, 16 July 1954, G. Murata & T. Shimizu 122
562 (holotype: KYO [barcode 00081202]!; isotype: KYO [barcode 00081203]!).

563 76. *Photinia callosa* Chun ex T.T.Yu & K.C.Kuan, Acta Phytotax. Sin. 8: 229. 1963.

564 ≡ *Pourthiaea callosa* (Chun ex T.T.Yu & K.C.Kuan) Iketani & H.Ohashi, J. Jap. Bot. 66(6): 353.
565 1991. ≡ *Pyrus callosa* (Chun ex T.T.Yu & K.C.Kuan) M.F.Fay & Christenh., Global Fl. 4: 99.
566 2018. Type: CHINA. Guangdong: Xinyi County, Dadong, Shuiyinshan, 20 April 1932, Z.
567 Huang 32130 (holotype: IBSC [barcode 0004361]!; isotypes: IBK [barcode IBK00062047,
568 IBK00062048]!, KUN [barcode 607112, 607113]!, PE [barcode 00004608, 00004609]!, SZ
569 [barcode 00196906]!). Xinyi, Daguowei, Huochangping, 4,500 ft, 28 April 1932, Z. Huang
570 32255 (paratypes: IBK [barcode IBK00062046, IBK00062049]!, IBSC [barcode 0318299]!,
571 KUN [barcode 0641136]!, PE [barcode 00299777]!, SZ [barcode 00196905]!). Fenshui’ao, 26
572 April 1931, X. P. Gao 51361 (paratypes: IBK [barcode IBK00061932]!, IBSC [barcode
573 0318293, 0318294, 0318295, 0318296]!). Fangcheng, 13 April 1956, Guangdong Hepu District
574 Expedition of CAS 2371 (paratypes: IBSC [barcode 0318234]!, PE [barcode 00299778]!).
575 Longsheng, Pingshui, Taoshan, 11 August 1954, Longsheng Expedition 157 (paratypes: IBK
576 [barcode IBK00190806]!, IBSC [barcode 0318300]!). Shangsi, Me-kon, Sch-feng Dar Shan,
577 S.Nanning, ca. 850 m, 3 November 1928, R. C. Ching 8373 (paratypes: IBSC [barcode
578 0004362]!, NAS [barcode NAS00071251, NAS00352714, NAS00352716]!, PE [barcode
579 00299789]!). “Shap Man Taai Shan, near Iu Shan village, S. E. of Shang-sze, Kwangtung
580 Border” [Shangsi, Shiwan Dashan], 2 June 1933, W. T. Tsang 22441 (paratypes: IBK [barcode
581 IBK00062034]!, IBSC [barcode 0318297]!, P [barcode P03373754]!, SYS [barcode
582 SYS00074925]!). Shiwan Dashan, Denglong village, 9 September 1934, W. T. Tsang 24222
583 (paratypes: IBSC [barcode 0318298]!, SYS [barcode SYS00074926]!). Wuming, Shanglin,

584 Damingshan, the seventh district, Lahen, 22 August 1951, *T. S. Tsai* 5335 (paratypes: IBK
 585 [barcode IBK00190807]!, IBSC [barcode 0318302]!). Yongfu, “Pai-shou district city, near
 586 Shih-lung ts’un” [Yongfu], 20–23 August 1937, *Y. W. Taam* 25 (paratypes: IBSC [barcode
 587 0318301]!, PE [barcode 00299784]!, SYS [barcode SYS00074927]!).

588 77. *Photinia hirsuta* Hand.-Mazz. var. *lobulata* T.T.Yu, Acta Phytotax. Sin. 8(3): 231. 1963.

589 Type: CHINA. Fujian: Liancheng, Luodi, 24 October 1932, *Y. Ling* 4167 (holotype: PE [barcode
 590 00004605]!; isotypes: AU [barcode 010148]!, PE [barcode 00004604]!).

591 78. *Photinia pilosicalyx* T.T.Yu, Acta Phytotax. Sin. viii. 231. 1963.

592 ≡ *Pourthiaea pilosicalyx* (T.T.Yu) Iketani & H.Ohashi, J. Jap. Bot. 66(6): 354. 1991. ≡ *Pyrus*
 593 *pilosicalyx* (T.T.Yu) M.F.Fay & Christenh., Global Fl. 4: 116. 2018. Type: CHINA. Guizhou:
 594 Anlong County, Longshan, Qiaoling, 1,200 m, 9 June 1960, *Z.S. Zhang & Y.T. Zhang* 4035
 595 (holotype: PE [barcode 00934236]!; isotypes: IBSC [barcode 0335502]!, KUN [barcode
 596 607037]!).

597 79. *Photinia podocarpifolia* T.T.Yu, Acta Phytotax. Sin. viii. 230. 1963.

598 ≡ *Pourthiaea podocarpifolia* (T.T.Yu) Iketani & H.Ohashi, J. Jap. Bot. 66(6): 354. 1991. ≡ *Pyrus*
 599 *podocarpifolia* (T.T.Yu) M.F.Fay & Christenh., Global Fl. 4: 116. 2018. Type: CHINA.
 600 Guizhou: Luodian, Bamao, Dating, Hongshui River, 200m, 8 April 1959, *Qiannan Expedition*
 601 408 (lectotype, designated by Liu & Hong (2016b): PE [barcode 00004600]!; isolectotypes:
 602 HGAS [barcode 021090]!, KUN [barcode 606957, 747408]!, PE [barcode 00020608,
 603 01498393, 01498394]!). Hongshui River, riverside, 8 April 1959, *Qiannan Expedition* 709
 604 (paratypes: HGAS [barcode 021089]!, KUN [barcode 606956]!, NAS [barcode 00071260]!, PE
 605 [barcode 00337090, 00337091, 01651162]!). Guangxi: Baise City, Yangxu Zhen, 280m, 25
 606 December 1955, *Baise Expedition* 1534 (paratypes: IBK [barcode IBK-00190813]!, IBSC
 607 [barcode 0004370]!, KUN [barcode 606955]!, NAS [barcode 00071259]!, PE [barcode
 608 00337094]!). Petseu, 1914, *J. Cavalerie* 4283 (paratypes: P [barcode P03342555]!). ibidem,

609 1900–1920, *J. Cavalerie 4498* (paratypes: K [barcode K000758287]!, P [barcode P03373739]!).
 610 Longlin County, Gebu Xiang, Wuchong Village, on the rocks by river, 13 May 1957, *C.F.*
 611 *Liang 32325* (paratypes: IBK [barcode IBK00190814]!, IBSC [barcode 0004369]!). Tian'e
 612 County, Baiyang Zhen, Hongshui River, riversides, 150m, 27 March 1960, *Guizhou Expedition*
 613 *14* (paratypes: IBK [barcode 00062433]!, IBSC [barcode 0319277]!, NAS [barcode
 614 00071258]!, PE [barcode 00337093]!). Liupai Zhen, 21 May 1957, *Z.Huang 43389* (paratypes:
 615 IBK [barcode IBK00190812]!, IBSC [barcode 0319273]!, KUN [barcode 606954]!). Tianlin
 616 County, on the way from Leli Xiang to Lizhou Xiang, on the rocks in valley, 22 November
 617 1957, *Z.Q. Zhang 10921* (paratypes: IBK [barcode IBK00062427]!, IBSC [barcode 0319272]!).

618 80. *Pourthiaea chingshuiensis* T.Shimizu, Journ. Fac. Text. Sci. & Techn., Shinshu Univ. No.
 619 36, Biol., No. 12 (Stud.Limest. Fl. Jap. & Taiwan, Pt. 2) 36. 1963; et in Acta Phytotax. &
 620 Geobot.,Kyoto, xxi. 20. 1964.

621 ≡ *Photinia chingshuiensis* (T.Shimizu) T.S.Liu & H.J.Su, Fl. Taiwan 3: 74. 1977. ≡ *Photinia*
 622 *parvifolia* (E.Pritz. ex Diels) C.K.Schneid. var. *chingshuiensis* (T.Shimizu) S.S.Ying, Coloured
 623 Illustr. Fl. Taiwan 1: 358. 1985. ≡ *Pourthiaea villosa* (Thunb.) Decne. var. *chingshuiensis*
 624 (T.Shimizu) Iketani & H.Ohashi, J. Jap. Bot. 66(6): 354. 1991. ≡ *Pyrus chingshuiensis*
 625 (T.Shimizu) M.F.Fay & Christenh., Global Fl. 4: 100. 2018. Type: CHINA. Taiwan: Hualien,
 626 Mt. Chingshui, 600-1400m, 29 March 1961, *T. Shimizu & M.T. Kao 11749* (holotype: TAI
 627 [barcode 055602]!; isotypes: KYO [barcode KYO00022343]!, SHIN [barcode 155840]!, TI
 628 [barcode TI00031789]!).

629 81. *Stranvaesia amphidoxa* C.K.Schneid. var. *amphileia* (Hand.-Mazz.) T.T.Yu, Fl. Reipubl.
 630 Popularis Sin. 36: 214. 1974.

631 ≡ *Photinia amphidoxa* (C.K.Schneid.) Rehder & E.H.Wilson var. *amphileia* Hand.-Mazz., Symb.
 632 Sin. 7(3): 481. 1933. ≡ *Pourthiaea amphidoxa* (C.K.Schneid.) Rehder & E.H.Wilson var.
 633 *amphileia* (Hand.-Mazz.) B.B.Liu & J.Wen, J. Syst. Evol. 57(6): 687. 2019. ≡ *Pourthiaea*
 634 *amphidoxa* (C.K.Schneid.) Rehder & E.H.Wilson var. *amphileia* (Hand.-Mazz.)W.Guo,

635 W.B.Liao & Long Y. Wang, *Phytotaxa* 447(2): 111. 2020. nom. illeg. superfl. Type: CHINA.
 636 Hunan: Wugang, Yunshan, 6-8 August 1917, 1150-1300m, *H.R.E. Handel-Mazzetti 11205*
 637 (holotype: WU [barcode [WU059456](#)]!; isotypes: A [barcode [00045586](#)]!, IBSC [barcode
 638 [0362055](#)]!, NY [barcode [00436109](#)]!).

639 82. *Stranvaesia tomentosa* T.T.Yu & T.C.Ku, *Acta Phytotax. Sin.* 13(1): 102. 1975.

640 ≡ *Pourthiaea tomentosa* (T.T.Yu & T.C.Ku) B.B.Liu & J.Wen, *J. Syst. Evol.* 57(6): 687. 2019.≡

641 *Pyrus ganymedes* M.F.Fay & Christenh., *Global Fl.* 4: 104. 2018. ≡ *Pourthiaea tomentosa*

642 (T.T.Yu & T.C.Ku) Long Y. Wang, W.Guo & W.B.Liao, *Phytotaxa* 447(2): 111. 2020. nom.

643 illeg. superfl. Type: CHINA. Chongqing: Nanchuan, Jinfoshan, Dafengpo, 1350m, 9 July 1964,

644 *K.C. Kuan et al. 1319* (holotype: PE [barcode [00026319](#)]!; isotypes: CDBI [barcode

645 [CDBI0172158](#)]!, PE [barcode [00026320](#)]!).

646 83. *Photinia villosa* (Thunb.) DC. var. *tenuipes* P.S.Hsu & L.Chu Li, *Acta Phytotax. Sin.* 18(3):

647 264. 1980.

648 ≡ *Photinia parvifolia* (E.Pritz. ex Diels) C.K.Schneid. var. *tenuipes* (P.S.Hsu & L.Chu Li) P. L.Chiu,

649 *J. Zhejiang Forest. Coll.* 4(1): 67. 1987.≡ *Pourthiaea villosa* (Thunb.) Decne. var. *tenuipes*

650 (P.S.Hsu & L.Chu Li) Iketani & H.Ohashi, *J. Jap. Bot.* 66(6): 354. 1991. Type: CHINA.

651 Zhejiang: Lin'an, Changhua, Kuliwan, 20 May 1958, *X.Y. He 28542* (holotype: FUS, isotypes

652 IBSC [barcode [0335093](#)]!, PE [barcode [00394001](#)]!); Jingning: Yingchuan, Laoyue, in the

653 bushes of the valley, 9 May 1959, *S.Y. Zhang 4928* (paratypes: FUS, HHBG [barcode

654 [HZ016336](#)]!, KUN [barcode [608586](#)]!, NAS [barcode [NAS00353328](#), [NAS00353262](#)]!; PE

655 [barcode [00337971](#)]!); Jingning, Dajun, Quankeng, roadsides of the slope, 9 May 1959, *S.Y.*

656 *Zhang 5131* (paratypes: FUS, HHBG [barcode [HZ016335](#)]!, NAS [barcode [NAS00353274](#),

657 [NAS00353275](#), [NAS00353278](#)]!; PE [barcode [00337983](#)]!; WUK [barcode [WUK-0264321](#)]!);

658 Lishui, Dagangtou, Xiaojing, roadsides of the slope and in the woods beside the stream, 28 July

659 1959, *S.Y. Zhang 6041* (paratypes: FUS, HHBG [barcode [HZ016334](#)]!; KUN [barcode

660 [608587](#)]!, NAS [barcode [NAS00353302](#), [NAS00353270](#)]!, PE [barcode [00337997](#)]!); Lishui,

661 Yunfeng, roadsides and in the woods on the slope, 17 August 1959, *S.Y. Zhang 6387* (paratypes:
 662 FUS, HHBG [barcode HZ016346]!, KUN [barcode 608588]!, NAS [barcode NAS00353325]!,
 663 PE [barcode 00337995]!); *ibidem*, 21 August 1959, *S.Y. Zhang 6700* (paratypes: FUS, HHBG
 664 [barcode HZ016345]!, KUN [barcode 608594], NAS [barcode NAS00353326,
 665 NAS00353327]!, PE [barcode 00337994]!); Lin'an, Changhua, south-east of Jinkeng in the
 666 woods beside the stream, 25 May 1958, *X.Y. He 28699* (paratypes: FUS, HHBG [barcode
 667 HZ016316]!, NAS [barcode NAS00353263]!, PE [barcode 00337972]!); Lin'an, Changhua, the
 668 centre part of Kuliwan in the woods on a north-western slope, 27 May 1958, *X.Y. He 28745*
 669 (paratypes: FUS, HHBG [barcode HZ016325]!, NAS [barcode NAS00353323, NAS00353264,
 670 NAS00353267]!, PE [barcode 00338000]!); Longquan, Jinxi, Xiaozhuang, in the woods in the
 671 valley or beside the stream, 20 September 1959, *S.Y. Zhang 6869* (paratypes: FUS, HHBG
 672 [barcode HZ016338]!, KUN [barcode 608589]!, NAS [barcode NAS00353330,
 673 NAS00353331]!, PE [barcode 00337982]!); Pingyang, Juxi, in the woods of the valley, 26 June
 674 1959, *S.Y. Zhang 5805* (paratypes: FUS, KUN [barcode 608591]!, NAS [barcode
 675 NAS00353277, NAS00353298]!, PE [barcode 00337985]!); Rui'an, Shiyang, Baiyanwan, in the
 676 woods beside the stream, 27 July 1959, *S.Y. Zhang 5479* (paratypes: FUS, HHBG [barcode
 677 HZ016349]!, KUN [barcode 608590]!, NAS [barcode NAS00353301]!, PE [barcode
 678 00337996]!); Suichang, Guanshan (Fengping), 24 October 1965, *B.L. Qiu 1390* (paratypes:
 679 FUS, HHBG [barcode HZ016348]!). Fujian: Yanshan, on the slope, 800 m, 18 August 1958,
 680 *M.X. Nie & S.S. Lai 4290* (paratypes: FUS, IBSC [barcode 0319956]!, KUN [barcode 607929,
 681 608566]!, LBG [barcode 00010452]!, PE [barcode 00394011]!, WUK [barcode WUK-
 682 265890]!).

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693 JXAU0003629]!, LBG [barcode 00010394]!, LBG [barcode 00010456, 00010457]!); ibidem,
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695 JXAU0003628]!); ibidem, 1,000 m, 24 October 1981, *Q.G. Zhang W030* (paratypes: JXAU
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- 723 Kenzhichang, Yantian, the foot of the mountain, 10 August 1959, S.S. Lai 1765 (paratypes:
- 724 KUN [barcode [608499](#)]!, LBG [barcode [00010381](#)]!, PE [barcode [00337906](#)]!); Ji'an, Donggu,
- 725 Yingxu, Yangtian Shan, the forest edge, 16 May 1970, *s.coll.* 272 (paratype: PE [barcode
- 726 [00337923](#)]!); Jinggangshan, along road between Xiaojing and Ciping, on the slope, 860 m, 13
- 727 October 1971, *Jiangxi Expedition 894* (paratypes: PE [barcode [00337912](#), [00337913](#)]!);
- 728 Nanfeng, Qia Cun, roadsides in the bushes, 23 April 1958, M.X. Nie 2265 (paratypes: LBG
- 729 [barcode [00010363](#)]!, LBG [barcode [00014991](#)]!, PE [barcode [00337934](#)]!); ibidem, roadsides
- 730 in the bushes, 25 April 1958, M.X. Nie & S.S. Lai 2350 (paratypes: KUN [barcode [608524](#)]!,
- 731 LBG [barcode [00014974](#), [00014975](#)]!, PE [barcode [00337933](#)]!); Pingxiang, Xindian, sunny
- 732 slope on the forest edge of *Camellia oleifera* plantation, 300 m, 28 April 1954, W.T. Wang 28
- 733 (paratype: PE [barcode [00337915](#)]!); ibidem, sunny slope on the forest edge of *Camellia*
- 734 *oleifera* plantation, 300 m, 28 April 1954, W.T. Wang 29 (paratype: PE [barcode [00337914](#)]!);

735 Ruijin: Liantang, longwangting, roadsides in the woods, 9 August 1958, *Q.M. Hu 4148*
736 (paratypes: IBSC [barcode 0335603]!, KUN [barcode 608607]!, KUN [barcode 608539]!, LBG
737 [barcode 00010431]!, PE [barcode 00337929]!); Xunwu, along road between Zhonghe and
738 Guizhumao, 500 m, 1958, *Q.M. Hu 1252* (paratypes: IBSC [barcode 0335623]!, KUN [barcode
739 608525]!, LBG [barcode 00014988]!, PE [barcode 00337918]!); Xunwu, the valley in the east
740 of Guizhumao, 700 m, 1 May 1958, *Q.M. Hu 1462* (paratypes: IBSC [barcode 0319949]!, KUN
741 [barcode 608518]!, LBG [barcode 00010412]!, PE [barcode 00337931]!); Xunwu, vicinity of
742 Guizhumao Forest Farm, 700 m, 3 May 1958, *Q.M. Hu 1584* (paratypes: KUN [barcode
743 608536, 608517], LBG [barcode 00010386]!, PE [barcode 00337930, 00337932]!). Guangxi:
744 Lingui, Wantian, 120 m, 19 April 1955, *C.F. Liang 31703* (paratypes: IBK [barcode
745 IBK00062287]!, IBSC [barcode 0319934]!, PE [barcode 00337965]!, SZ [barcode 00197053]!);
746 Xing'an, Simen, May 1953, *Guangxi Team 4* (paratypes: PE [barcode 00337963, 00337964,
747 00337966, 01641095]!); Huajiang, 27 May 1953, *Guangxi Team 841* (paratype: PE [barcode
748 00337968]!). Guizhou: Leishan, vicinity of Wudong, 950 m, 6 May 1959, *South Guizhou*
749 *Expedition 1310* (paratypes: KUN [barcode 608544]!, NAS [barcode NAS00354188,
750 NAS00354321]!, PE [barcode 00337961, 01641101]!); Leishan, Xijiang, Leigongping, in the
751 bushes on the slope, 1,100 m, 22 May 1959, *South Guizhou Expedition 2107* (paratypes: HGAS
752 [barcode 021267]!, PE [barcode 00337869, 00337955]!); Leishan, Taoyao, Jieli, in the bushes
753 on the slope, E 108°8'20", N 26°22'30", 950 m, 21 May 1965, *Z.B. Jian et al. 50082* (paratypes:
754 HGAS [barcode 021282], KUN [barcode 608543], PE [barcode 00337958, 01498535]);
755 Leishan, Wudong, Xiaoshuiyan, in the woods on the slope, E 108°9', N 26°21'30", 1,140 m, 22
756 May 1965, *Z.B. Jian et al. 50167* (paratypes: KUN [barcode 608541]!, PE [barcode 00337962,
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758 108°14'20", N 25°39'30", 8 August 1965, *Z.B. Jian et al. 51682* (paratypes: HGAS [barcode
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 770 *He 29819* (paratypes: HHBG [barcode HZ016611]!, NAS [barcode NAS00354049]!, PE
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 776 *Guo & R.J. Shen 840* (holotype: SYS [barcode SYS00164356]!; isotypes: IBSC, SYS [barcode
 777 SYS00164354, SYS00164355]!). *ibidem*, 760 m, 10 May 2008, *W. Guo & R. J. Shen 841*
 778 (paratypes: IBSC, SYS); Mibei, Shiyangdong, Gualoupo, 900 m, 17 July 1988, *Wuling*
 779 *Expedition 909* (paratypes: IBSC [barcode 0335431]!, PE [barcode 01364106]!). Zhijiang:
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