

Merging the genus *Tomentella* with *Thelephora* (Fungi, Thelephorales)

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Abstract: In this article we merge the genus *Tomentella* with *Thelephora*. As a result, 191 new combinations are made and 24 nomina nova are created. In addition, one new combination of *Tomentellopsis* and *Polyozellus* species are made, respectively.

Keywords: taxonomy, nomenclature, new combinations, new names, tomentella-thelephora lineage

INTRODUCTION

A close phylogenetic relationship between *Thelephora* Ehrh. ex Willd. characterized by erect, more or less branched sporocarps and the strictly resupinate genus *Tomentella* Pers. ex Pat. has been suspected for a long time, based on micromorphological features. In the early 1990s UK had personal communication with the Swedish expert on *Tomentella* Kurt Hjortstam, who was of the opinion that the two genera were morphologically very similar. The anatomical similarity of *Tomentella radiosa* P. Karst. to resupinate forms of *Thelephora terrestris* Ehrh. ex Pers. was later discussed by Kõljalg (1996). Based on molecular data we know today that these two species form a monophyletic complex of many species, which often have symbiotic associations with specific plant hosts. This is most easily observed in the Species Hypotheses of the UNITE database (Abarenkov et al., 2024).

Since Tedersoo et al. (2009), we use the term "/tomentella-thelephora" lineage in molecular ecology studies to show that these two genera form a monophyletic group. Later it was shown that *Odontia* Pers. is a sister genus to this lineage and some *Tomentella* species were transferred to *Odontia* (Tedersoo et al., 2014). Using LSU sequences, the same study demonstrated that *Tomentella* and *Thelephora* form a well-supported monophyletic group and indicated that species from both genera were mixed in the phylogenetic tree. This pattern was also recovered by Vizzini et al. (2016) for two more extensive datasets of ITS and LSU sequences, respectively. Hitherto *Tomentella* and *Thelephora* have not

been formally merged into a single genus because it was considered a possibility that novel gene markers or perhaps whole genome studies could split the lineage into well-supported monophyletic groups, where the name *Tomentella* could be retained. However, no such results have emerged and in an upcoming multi-gene study of Thelephorales, it is clear that the /tomentella-thelephora lineage cannot be divided into morphologically meaningful monophyletic groups. At the same time, this lineage is globally one of the most species-rich ectomycorrhizal groups present in eDNA studies (Tedersoo et al., 2021; Mikryukov et al., 2023), where the separation of *Tomentella* and *Thelephora* is causing issues in the communication of taxa on genus level, since most studies use formal names instead of non-formal lineage names. Therefore, based on previous studies and yet to be published work, we opt for one genus, viz. *Thelephora*, and here publish new combinations for *Tomentella* species.

Thelephora, typified by *Thelephora terrestris*, dates back to 1787, while *Tomentella*, typified by *Tomentella ferruginea* (Pers.) J. Schröt., was validly introduced a 100 years later. When the genera are merged *Thelephora* has priority according to the nomenclatural rules. However, the rules on priority can be superseded by conservation if a nomenclatural change is arguably disadvantageous. In such a decision *Tomentella* was earlier conserved against *Odontia* and *Caldesiella* Sacc., but not against *Thelephora*. *Odontia* is a genus that has been used for effused species with a hymenium covered by

small teeth. Almost all species originally placed in *Odontia*, are unrelated to *Tomentella*. Therefore, moving *Tomentella* species into *Odontia* would be unnecessarily disruptive from a nomenclatural point of view. *Caldesiella* is a small genus with the same kind of hymenophore as *Odontia*.

Phylogenetic analyses using molecular data has shown that *Odontia* should be recognized as an independent genus and it does no longer compete with *Tomentella* (Tedersoo et al., 2014). *Caldesiella* is typified with *Caldesiella italica* Sacc. which doesn't belong to the /thelephora-odontia lineage (Kõljalg, unpublished data).

The necessary merging of *Thelephora* and *Tomentella* is a different situation when compared to *Odontia* and *Caldesiella*. *Thelephora* was originally used for all kinds of effused basidiomycetes with a smooth hymenium - many of them strictly corticioid. It was then gradually restricted to its modern scope as a genus of Thelephorales with erect sporocarps and a smooth hymenium. As we mentioned above, even the type species, *Thelephora terrestris*, occasionally develops corticioid sporocarps. In our opinion, including *Tomentella* species with corticioid sporocarps and smooth hymenia in *Thelephora* will hence not change the essence of the genus in a disruptive way.

In addition, we publish one new combination each for the genera *Polyozellus* Murrill and *Tomentellopsis* Hjortstam, in order to correct earlier mistakes. *Pseudotomentella larsenii* Kõljalg & Dunstan was originally incorrectly placed in *Pseudotomentella* Svrček, mostly due to the dark blue subiculum of the sporocarp (Kõljalg & Dunstan, 2001). However, based on our multi-gene data it is a species of *Tomentellopsis* and we hence recombine it into said genus. Unlike most other species in *Pseudotomentella*, *Pseudotomentella nigra* (Höhn. & Litsch.) Svrček was not recombined into *Polyozellus* in Svantesson et al. (2021) due to doubts regarding the identity of the type specimen. These have now been eliminated and we hence move it into *Polyozellus* where it belongs, according to the previously mentioned molecular data. Sequences of both species are released through the UNITE database.

NEW COMBINATIONS IN *THELEPHORA*, *TOMENTELLOPSIS* AND *POLYOZELLUS*

THELEPHORA AFRICANA (Yorou & Agerer) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855149

Basionym: *Tomentella africana* Yorou & Agerer, Mycologia 100(1): 70 (2008).

THELEPHORA AFROSTUPOSA (Yorou) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855150

Basionym: *Tomentella afrostoposa* Yorou, Mycological Progress 11 (2): 451 (2011).

THELEPHORA AGBASSAENSIS (Yorou) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855151

Basionym: *Tomentella agbassaensis* Yorou, Mycological Progress 11 (1): 173 (2011).

THELEPHORA AGERERI (Yorou) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855152

Basionym: *Tomentella agereri* Yorou, Mycoscience 52 (6): 366 (2011).

THELEPHORA ALPINA (Peintner & Dämmrich) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855153

Basionym: *Tomentella alpina* Peintner & Dämmrich, Mycological Progress 11 (1): 111 (2011).

THELEPHORA ALUTACEOUMBRINA (Bres.) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855154

Basionym: *Hypochnus alutaceoumbrinus* Bres., Annales Mycologici 1 (2): 109 (1903).

THELEPHORA AMYLOAPICULATA (Yorou) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855156

Basionym: *Tomentella amyloapiculata* Yorou, Mycological Progress 11 (1): 176 (2011).

THELEPHORA ANGULOSPORA (M.J. Larsen) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855157

Basionym: *Tomentella angulospora* M.J. Larsen, Beihefte zur Nova Hedwigia 51: 172 (1975)

THELEPHORA ASIAE-ORIENTALIS (H.S. Yuan, X. Lu & Y.C. Dai) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855158

Basionym: *Tomentella asiae-orientalis* H.S. Yuan, X. Lu & Y.C. Dai, Fungal Diversity 104: 152 (2020).

THELEPHORA ASPERULA (P. Karst.) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855159

Basionym: *Hypochnus asperulus* P. Karst., Bidrag till Kännedom av Finlands Natur och Folk 48: 441 (1889).

THELEPHORA ASTERIGMA (Maire) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855160

Basionym: *Tomentella asterigma* Maire, Annales Mycologici 4: 335 (1906).

THELEPHORA ATROARENICOLOR (Nikol.) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855161

Basionym: *Tomentella atroarenicolor* Nikol., Mikologiya i Fitopatologiya 4: 476 (1970).

THELEPHORA ATROBADIA (H.S. Yuan & Y.C. Dai) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855162

Basionym: *Tomentella atrobadia* H.S. Yuan & Y.C. Dai, Fungal Diversity 104: 153 (2020).

THELEPHORA ATROCASTANEA (H.S. Yuan, X. Lu & Y.C. Dai) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855163

Basionym: *Tomentella atrocastanea* H.S. Yuan, X. Lu & Y.C. Dai, Fungal Diversity 104: 154 (2020).

THELEPHORA ATRORUBRA (Peck) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855164

Basionym: *Zygodemus atroruber* Peck, Botanical Gazette Crawfordsville 6 (10): 277 (1881).

THELEPHORA ATROVIOLACEA (Litsch.) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855165

Basionym: *Tomentella atrovioleacea* Litsch., Bulletin de la Société Mycologique de France 49: 53 (1933).

THELEPHORA NIGROVIRENS Køljalg, I. Saar & Svantesson, **nom. nov.**

Mycobank: 855088

Replaced basionym: *Hypochnus atrovirens* Bres., Atti Imp. Regia Accad. Roveretana ser. 3, 3: 116 (1897). Non *Thelephora atrovirens* Fr. = *Byssocorticium atrovirens* (Fr.) Bondartsev & Singer.

Etymology: *nigrovirens* (Lat.) = "blackish green, dark green", a word with a similar meaning to *atrovirens* - the species epithet of the replaced name.

THELEPHORA AURANTISPORA (X. Lu & H.S. Yuan) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855166

Basionym: *Tomentella aurantispora* X. Lu & H.S. Yuan, Forests 12 (11, no. 1531): 8 (2021).

THELEPHORA AUREOMARGINATA (H.S. Yuan, X. Lu & Y.C. Dai) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855167

Basionym: *Tomentella aureomarginata* H.S. Yuan, X. Lu & Y.C. Dai, Fungal Diversity 104: 156 (2020).

THELEPHORA ALLOBADIA Køljalg, I. Saar & Svantesson, **nom. nov.**

Mycobank: 855089

Replaced basionym: *Sporotrichum badium* Link, Magazin der Gesellschaft Naturforschenden Freunde Berlin 3 (1): 12, t. 1:14 (1809). Non *Thelephora badia* Hook (1822). = ?, nec *Thele-*

phora badia Kunze (1828) = *Hymenochaete luteobadia* (Fr.) Höhn. & Litsch.

Etymology: *allobadia* (Lat.) = "other badia", a word to be interpreted in the sense that the present species, formerly known as *Tomentella badia*, is a corticioid member of *Thelephorales* with a widespread name usage, while the competing synonym, *Thelephora badia* Hook., is a name which is not in use and whose phylogenetic affinity is unknown. The name also serves as an attempt at avoiding confusion and retaining resemblance to the replaced name for the benefit of those working in the field.

THELEPHORA BADIOFUSCA (Bourdot & Galzin) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855173

Basionym: *Tomentella badiofusca* Bourdot & Galzin, Hyménomycètes de France: 497 (1928).

THELEPHORA BADIOINCRUSTATA (Yorou & Paroll) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855174

Basionym: *Tomentella badioincrustata* Yorou & Paroll, Nova Hedwigia 95 (3-4): 430 (2012).

THELEPHORA BAROENSIS (Yorou) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855175

Basionym: *Tomentella baroensis* Yorou, Nova Hedwigia 96 (1-2): 173 (2012).

THELEPHORA BEAVERAE (Suvi & Kõljalg) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855176

Basionym: *Tomentella beaverae* Suvi & Kõljalg, Mycologia 102 (3): 529 (2010).

THELEPHORA DICOLOR Kõljalg, I. Saar & Svantesson, **nom. nov.**

MycoBank: 855090

Replaced basionym: *Hypochnus bicolor* G.F. Atk. & Burt, Annals of the Missouri Botanical Garden 3: 229 (1916). Non *Thelephora bicolor* Pers. (1801) = *Laxitextum bicolor* (Pers.) Lentz.

Etymology: *dicolor* (Gr.) = "two-coloured", a word with the same meaning as *bicolor* - the species epithet of the replaced synonym.

THELEPHORA BIDOUPENSIS (X. Lu & H.S. Yuan) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855178

Basionym: *Tomentella bidouensis* X. Lu & H.S. Yuan, Frontiers in Microbiology 13 (no. 864198): 5 (2022).

THELEPHORA BILTHOVENIENSIS (Bourdot) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855179

Basionym: *Tomentella bilthoveniensis* Bourdot, Mededelingen van het botanisch Museum en Herbarium van de Rijksuniversiteit Utrecht 9: 32 (1933).

THELEPHORA BOHEMICA (Svrček) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855180

Basionym: *Tomentella bohemica* Svrček, Česká Mykologie 12 (2): 71 (1958).

THELEPHORA BOURDOTII (Svrček) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855181

Basionym: *Tomentella bourdotii* Svrček, Česká Mykologie 12 (2): 76 (1958)

THELEPHORA GIACOMOI Kõljalg, I. Saar & Svantesson, **nom. nov.**

MycoBank: 855123

Replaced basionym: *Hypochnus bresadolae* Brinkmann, Annales Mycologici 1 (2): 108 (1903). Non *Thelephora bresadolae* Schulzer (1885).

Etymology: *Giacomo* (Lat.) referring to Giacomo Bresadola, in agreement with the replaced synonym.

THELEPHORA BREVIS (H.S. Yuan, X. Lu & Y.C. Dai) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855182

Basionym: *Tomentella brevis* H.S. Yuan, X. Lu & Y.C. Dai, Fungal Diversity 104: 156 (2020).

THELEPHORA BREVISPIA (Bourdot & Galzin) Kõljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855183

Basionym: *Tomentella spongiosa* var. *brevispina* Bourdot & Galzin, Bulletin de la Société Mycologique de France 40 (2): 154 (1924).

THELEPHORA BREVISTERIGMATA (X. Lu & H.S. Yuan) Kõljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855184

Basionym: *Tomentella brevisterigmata* X. Lu & H.S. Yuan, Frontiers in Microbiology 13 (no. 864198): 5 (2022).

THELEPHORA BRUNNEOCYSTIDIA (Yorou & Agerer) Kõljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855185

Basionym: *Tomentella brunneocystidia* Yorou & Agerer, Mycological Progress 6 (1): 12 (2007).

THELEPHORA BRUNNEOFIRMA (M.J. Larsen) Kõljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855186

Basionym: *Tomentella brunneofirma* M.J. Larsen, Canadian Journal of Botany 45 (8): 1300 (1967).

THELEPHORA BRUNNEOFLAVA (H.S. Yuan, X. Lu & Y.C. Dai) Kõljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855187

Basionym: *Tomentella brunneoflava* H.S. Yuan, X. Lu & Y.C. Dai, Fungal Diversity 104: 158 (2020).

THELEPHORA BRUNNEOGRISEA (H.S. Yuan, X. Lu & Y.C. Dai) Kõljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855188

Basionym: *Tomentella brunneogrisea* H.S. Yuan, X. Lu & Y.C. Dai, Fungal Diversity 104: 159 (2020).

THELEPHORA BRUNNEOINCRUSTATA (Villegas & Contreras-Pacheco) Kõljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855190

Basionym: *Tomentella brunneoincrustata* Villegas & Contreras-Pacheco, Mycological Progress 15 (1/10): 4 (2015).

THELEPHORA BRUNNEORUFA (M.J. Larsen) Kõljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855191

Basionym: *Tomentella brunneorufa* M.J. Larsen, Mycologia Memoirs 4: 37 (1974).

THELEPHORA BRYOPHILA (Pers.) Kõljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855193

Basionym: *Sporotrichum bryophilum* Pers., Mycologia Europaea 1: 78 (1822).

THELEPHORA CAESIOCINEREA (Svrček) Kõljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855196

Basionym: *Tomentellastrum caesiocinereum* Svrček, Česká Mykologie 12 (2): 69 (1958)

THELEPHORA CAPITATA (Yorou & Agerer) Kõljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855197

Basionym: *Tomentella capitata* Yorou & Agerer, Mycological Progress 6 (1): 8 (2007).

THELEPHORA CAPITATOCYSTIDIATA (H.S. Yuan, X. Lu & Y.C. Dai) Kõljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855198

Basionym: *Tomentella capitatocystidiata* H.S. Yuan, X. Lu & Y.C. Dai, Fungal Diversity 104: 161 (2020).

THELEPHORA ANTHRACINA Kõljalg, I. Saar & Svantesson, **nom. nov.**

Mycobank: 855124

Replaced basionym: *Tomentella carbonaria* M.J. Larsen, Beihefte zur Nova Hedwigia 51: 172 (1975). Non *Thelephora carbonaria* Berk. (1836) = an ascomycete, nec *Thelephora carbonaria* Velen. (1922), nom. ill.

Etymology: Anthracos (Gr.) = "pertaining to charcoal or charcoal black", a word with a similar meaning to that of the replaced synonym.

THELEPHORA RUBROBRUNNEA Kõljalg, I. Saar & Svantesson, **nom. nov.**

Mycobank: 855125

Replaced basionym: *Tomentella fusca* subsp. *castanea* Bourdot & Galzin, Bulletin de la Société Mycologique de France 40 (2): 148 (1924).

Etymology: Rufobrunneus (Lat.) = "red-brown", a word with a similar meaning to that of the replaced synonym.

THELEPHORA CERVULINA Kõljalg, I. Saar & Svantesson, **nom. nov.**

Mycobank: 855126

Replaced basionym: *Hypochnus cervinus* Burt, Annals of the Missouri Botanical Garden 3: 232 (1916). Non *Thelephora cervina* Corner (1968).

Etymology: Cervulinus (Lat.) = "young deer or fawns", a word with a similar meaning to that of the replaced synonym. While the latter, *cervinus*, refers to deer in general, *cervulina*, refers to young deer or fawns, which Burt, in the original description attributed the hymenial colour to.

THELEPHORA CHANGBAIENSIS (H.S. Yuan, X. Lu & Y.C. Dai) Kõljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855199

Basionym: *Tomentella changbaiensis* H.S. Yuan, X. Lu & Y.C. Dai, Fungal Diversity 104: 163 (2020).

THELEPHORA EUCINERASCENS Kõljalg, I. Saar & Svantesson, **nom. nov.**

Mycobank: 855127

Replaced basionym: *Hypochnus cinerascens* P. Karst., Meddelanden af Societas pro Fauna et Flora Fennica 16: 2 (1888). Non *Thelephora cinerascens* Schwein (1832) = *Lopharia cinerascens* (Schwein.) G. Cunn.

Etymology: Eu- (Lat.) = "true", a word to be interpreted in the sense that the present species, formerly known as *Tomentella cinerascens*,

is a corticioid member of Thelephorales with a widespread name usage, while the competing synonym, *Thelephora cinerascens* Schwein., is a species which currently belongs to the genus *Lopharia* in the order Polyporales. The name also serves as an attempt at avoiding confusion and retaining resemblance to the replaced synonym for the benefit of those working in the field.

THELEPHORA CINEREOBRUNNEA (X. Lu & H.S. Yuan) Kõljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855200

Basionym: *Tomentella cinereobrunnea* X. Lu & H.S. Yuan, Frontiers in Microbiology 13 (no. 864198): 6 (2022).

THELEPHORA CINEREOUMBRINA (Bres.) Kõljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855201

Basionym: *Hypochnus cinereoumbrinus* Bres., Stud. Trent. 7 (1): 62 (1926).

THELEPHORA CITRINOCYSTIDIATA (H.S. Yuan & Y.C. Dai) Kõljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855202

Basionym: *Tomentella citrinocystidiata* H.S. Yuan & Y.C. Dai, Fungal Diversity 104: 163 (2020).

THELEPHORA CLADII (Wakef.) Kõljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855203

Basionym: *Tomentella cladii* Wakef., Transactions of the British Mycological Society 53: 179 (1969).

THELEPHORA CLAVIGERA (Litsch.) Kõljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855204

Basionym: *Tomentella clavigera* Litsch., Sydowia 14 (1-6): 192 (1960).

THELEPHORA EUCOERULEA Kõljalg, I. Saar & Svantesson, **nom. nov.**

Mycobank: 855128

Replaced basionym: *Tomentella coerulea* (Bres.) Höhn. & Litsch., Sitzungsberichte der Kaiser-

lichen Akademie der Wissenschaften Math.-naturw. Klasse Abt. I 116: 831 (1907). Non *Thelephora coerulea* (Lam.) Schrad. (1805) = *Terana coreulea* (Lam.) Kuntze.

Etymology: Eu- (Lat.) = "true", a word to be interpreted in the sense that the present species, formerly known as *Tomentella coerulea*, is a corticioid member of Thelephorales with a widespread name usage, while the competing synonym, *Thelephora coerulea* (Lam.) Schrad. ex DC., is a species which currently belongs to the genus *Terana* in the order Polyporales. The name also serves as an attempt at avoiding confusion and retaining resemblance to the replaced synonym for the benefit of those working in the field.

THELEPHORA COFFEAEE (H.S. Yuan & Y.C. Dai) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855206

Basionym: *Tomentella coffeae* H.S. Yuan & Y.C. Dai, Fungal Diversity 104: 165 (2020).

THELEPHORA CONCLUSA (H.S. Yuan, X. Lu & Y.C. Dai) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855207

Basionym: *Tomentella conclusa* H.S. Yuan, X. Lu & Y.C. Dai, Fungal Diversity 104: 166 (2020).

THELEPHORA CORIARIA (Peck) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855208

Basionym: *Grandinia coriaria* Peck, Bulletin of the Buffalo Society of Natural Sciences 1: 61 (1873).

THELEPHORA CORTICIOIDES (Wakef.) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855209

Basionym: *Tomentella corticioides* Wakef., Mycologia 52 (6): 921 (1961).

THELEPHORA CYSTIDIATA (H.S. Yuan & Y.C. Dai) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855210

Basionym: *Tomentella cystidiata* H.S. Yuan & Y.C. Dai, Fungal Diversity 104: 167 (2020).

THELEPHORA DIMIDIATA (H.S. Yuan, X. Lu & Y.C. Dai) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855211

Basionym: *Tomentella dimidiata* H.S. Yuan, X. Lu & Y.C. Dai, Fungal Diversity 104: 169 (2020).

THELEPHORA DONKII (Litsch.) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855212

Basionym: *Tomentella donkii* Litsch., Annales Mycologici 39 (4-6): 372 (1941).

THELEPHORA DUPLEXA (H.S. Yuan, X. Lu & Y.C. Dai) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855213

Basionym: *Tomentella duplexa* H.S. Yuan, X. Lu & Y.C. Dai, Fungal Diversity 104: 171 (2020).

THELEPHORA EFIBULATA (H.S. Yuan & Y.C. Dai) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855214

Basionym: *Tomentella efibulata* H.S. Yuan & Y.C. Dai, Fungal Diversity 104: 171 (2020).

THELEPHORA EFIBULIS (H.S. Yuan, X. Lu & Y.C. Dai) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855215

Basionym: *Tomentella efibulis* H.S. Yuan, X. Lu & Y.C. Dai, Fungal Diversity 104: 173 (2020).

THELEPHORA EPIGAEA (Burt) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855216

Basionym: *Hypochnus epigaeus* Burt, Annals of the Missouri Botanical Garden 3: 226 (1916).

THELEPHORA PHYLLICOLA Køljalg, I. Saar & Svantesson, **nom. nov.**

Mycobank: 855130

Replaced basionym: *Hydnum epiphyllum* Schwein., Transactions of the American Philosophical Society 4 (2): 163 (1832). Non *Thelephora epiphylia* (Pers.) Fr. (1828) = *Athelia epiphylia* Pers.

Etymology: Phyllon (Gr.) + colo (Lat.) = "leaf-inhabitant", a word with a similar meaning to that of the replaced synonym.

THELEPHORA FARINOSA (H.S. Yuan & Y.C. Dai) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855217

Basionym: *Tomentella farinosa* H.S. Yuan & Y.C. Dai, Fungal Diversity 104: 175 (2020).

THELEPHORA FATRENSIS (Svrček) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855218

Basionym: *Tomentella fatrensis* Svrček, Česká Mykologie 12 (2): 77 (1958).

THELEPHORA FERRUGINELLA (Bourdot & Galzin) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855220

Basionym: *Tomentella ferruginea* subsp. *ferruginella* Bourdot & Galzin, Bulletin de la Société Mycologique de France 40 (2): 157 (1924).

THELEPHORA CILIOMARGINATA Kõljalg, I. Saar & Svantesson, **nom. nov.**

MycoBank: 855131

Replaced basionym: *Tomentella fimbriata* M.P. Christ., Dansk botanisk Arkiv 19 (2): 258 (1960). Non *Thelephora fimbriata* Roth, (1800).

Etymology: Lat. "thread" + "margin", a word with a similar meaning to that of the replaced synonym.

THELEPHORA EXIGUELATA (Y.H. Mu & H.S. Yuan) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855221

Basionym: *Tomentella exiguelata* Y.H. Mu & H.S. Yuan, Fungal Diversity 117: 203 (2023).

THELEPHORA FLACCIDA (Bourdot & Galzin) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855222

Basionym: *Tomentella flaccida* Bourdot & Galzin, Bulletin de la Société Mycologique de France 40 (2): 151 (1924).

THELEPHORA FLAVIDOBADIA (H.S. Yuan & Y.C. Dai) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855223

Basionym: *Tomentella flavidobadia* H.S. Yuan & Y.C. Dai, Fungal Diversity 104: 177 (2020).

THELEPHORA FLOCCOSA (Litsch.) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855224

Basionym: *Tomentella floccosa* Litsch., Österreichische Botanische Zeitschrift 88 (2): 131 (1939).

THELEPHORA INFIRMA Kõljalg, I. Saar & Svantesson, **nom. nov.**

MycoBank: 855132

Replaced basionym: *Tomentella cinerascens* var. *fragilis* Bourdot & Galzin, Bulletin de la Société Mycologique de France 40 (2): 161 (1924). Non *Thelephora fragilis* Ehrh. (1793) nom. ill., nec *Thelephora fragilis* Corner (1968) nom. ill.

Etymology: *Infirmitas* (Lat.) = "weak, infirm", a word with a certain similarity to that of the replaced synonym.

THELEPHORA FRASERI (M.J. Larsen) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855228

Basionym: *Tomentella fraseri* M.J. Larsen, Beihefte zur Nova Hedwigia 51: 173 (1975).

THELEPHORA FULIGINEA (Burt) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855229

Basionym: *Hypochnus fuliginus* Burt, Annals of the Missouri Botanical Garden 3: 232 (1916).

THELEPHORA FUNGICOLA (Litsch.) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855230

Basionym: *Tomentella flaccida* var. *fungicola* Litsch., Bulletin de la Société Mycologique de France 49: 64 (1933).

THELEPHORA FURCATA (Yorou & Agerer) Kõljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855231

Basionym: *Tomentella furcata* Yorou & Agerer, Mycol. Progr. 6(4): 241 (2007).

THELEPHORA OBSCURELLA Køljalg, I. Saar & Svantesson, **nom. nov.**

Mycobank: 855378

Replaced basionym: *Hypochnus fuscillus* Sacc., Sylloge Fungorum 6: 662 (1888). Non *Thelephora fuscella* Ces. ex Lloyd, (1923).

Etymology: Obscurellus (Lat.) = diminutive of "dark or dusky", a word with a similar meaning to that of the replaced synonym.

THELEPHORA FUSCOCRUSTOSA (H.S. Yuan, X. Lu & Y.C. Dai) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855232

Basionym: *Tomentella fuscocrustosa* H.S. Yuan, X. Lu & Y.C. Dai, Fungal Diversity 104: 181 (2020).

THELEPHORA FUSCOFARINOSA (H.S. Yuan, X. Lu & Y.C. Dai) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855233

Basionym: *Tomentella fuscofarinosa* H.S. Yuan, X. Lu & Y.C. Dai, Fungal Diversity 104: 181 (2020).

THELEPHORA FUSCOFERRUGINOSA (Bres.) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855234

Basionym: *Hypochnus fuscoferruginosus* Bres., Annales Mycologici 1 (2): 109 (1903).

THELEPHORA FUSCOGRANULOSA (H.S. Yuan & Y.C. Dai) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855235

Basionym: *Tomentella fuscogranulosa* H.S. Yuan & Y.C. Dai, Fungal Diversity 104: 183 (2020).

THELEPHORA FUSCOPELLICULOSA (H.S. Yuan, X. Lu & Y.C. Dai) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855236

Basionym: *Tomentella fuscopelliculosa* H.S. Yuan, X. Lu & Y.C. Dai, Fungal Diversity 104: 185 (2020).

THELEPHORA GALZINI (Bourdot) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855237

Basionym: *Tomentella galzinii* Bourdot, Bulletin de la Société Mycologique de France 40 (2): 143 (1924).

THELEPHORA GIBBOSA (Litsch.) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855379

Basionym: *Tomentella gibbosa* Litsch., Bulletin de la Société Mycologique de France 49: 70 (1933).

THELEPHORA GIGASPORA (Hjortstam & Ryvarden) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855380

Basionym: *Tomentella gigaspora* Hjortstam & Ryvarden, Mycotaxon 56: 181 (1995).

THELEPHORA GILVA (Bourdot & Galzin) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855381

Basionym: *Tomentella mutabilis* subsp. *gilva* Bourdot & Galzin, Bulletin de la Société Mycologique de France 40 (2): 146 (1924).

THELEPHORA GLANDULIFERA (Höhn. & Litsch.) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855382

Basionym: *Tomentella glandulifera* Höhn. & Litsch., Annales Mycologici 4 (3): 290 (1906).

THELEPHORA GLOBOSA (X. Lu, K. Steffen & H.S. Yuan) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855383

Basionym: *Tomentella globosa* X. Lu, K. Steffen & H.S. Yuan, Mycologia 110 (4): 680 (2018).

THELEPHORA GLOBOSPORA (H.S. Yuan & Y.C. Dai) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855384

Basionym: *Tomentella globospora* H.S. Yuan & Y.C. Dai, Fungal Diversity 104: 187 (2020)

THELEPHORA GLOEOCYSTIDIATA (H.S. Yuan & Y.C. Dai) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855385

Basionym: *Tomentella gloeocystidiata* H.S. Yuan & Y.C. Dai, Fungal Diversity 104: 187 (2020).

THELEPHORA GRISEOCASTANEA (H.S. Yuan, X. Lu & Y.C. Dai) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855386

Basionym: *Tomentella griseocastanea* H.S. Yuan, X. Lu & Y.C. Dai, Fungal Diversity 104: 191 (2020).

THELEPHORA GRISEOFUSCA (H.S. Yuan & Y.C. Dai) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855387

Basionym: *Tomentella griseofusca* H.S. Yuan & Y.C. Dai, Fungal Diversity 104: 193 (2020).

THELEPHORA GRISEOMARGINATA (H.S. Yuan, X. Lu & Y.C. Dai) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855388

Basionym: *Tomentella griseomarginata* H.S. Yuan, X. Lu & Y.C. Dai, Fungal Diversity 104: 195 (2020).

THELEPHORA GRISEOUMBRINA (Litsch.) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855389

Basionym: *Tomentella griseoumbрина* Litsch., Fungi Exsiccati Suecici Fasc. 7-8: 24 (1936).

THELEPHORA GRISEOVIOLACEA (Litsch.) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855390

Basionym: *Tomentella griseoviolacea* Litsch., Glasnik Skopskog Naucnog Drustva 20: 20 (1939).

THELEPHORA GUADALUPENSIS (E.C. Martini & Hentic) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855391

Basionym: *Tomentella guadalupensis* E.C. Martini & Hentic, Bulletin de la Société Mycologique de France 121 (1): 22 (2005).

THELEPHORA GUINEENSIS (Yorou) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855392

Basionym: *Tomentella guineensis* Yorou, Mycological Progress 11 (2): 453 (2011).

THELEPHORA GUINKOI (Yorou) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855393

Basionym: *Tomentella guinkoi* Yorou, Mycological Progress 11 (2): 456 (2011).

THELEPHORA HIMALAYANA (S.S. Rattan) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855394

Basionym: *Tomentella himalayana* S.S. Rattan, Bibliotheca Mycologica 60: 54 (1977).

THELEPHORA HJORTSTAMIANA (Suvi & Kõljalg) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855395

Basionym: *Tomentella hjortstamiana* Suvi & Kõljalg, Mycologia 102 (3): 528 (2009).

THELEPHORA HYDROPHILA (Bourdot & Galzin) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855396

Basionym: *Tomentella fusca* subsp. *hydrophila* Bourdot & Galzin, Bulletin de la Société Mycologique de France 40 (2): 148 (1924).

THELEPHORA INCONSPICUA (H.S. Yuan & Y.C. Dai) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855397

Basionym: *Tomentella inconspicua* H.S. Yuan & Y.C. Dai, Fungal Diversity 104: 199 (2020).

THELEPHORA INCRUSTATA (H.S. Yuan, X. Lu & Y.C. Dai) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855398

Basionym: *Tomentella incrustata* H.S. Yuan, X. Lu & Y.C. Dai, Fungal Diversity 104: 201 (2020).

THELEPHORA INDICA (S.S. Rattan) Kõljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855399

Basionym: *Tomentella indica* S.S. Rattan, Bibliotheca Mycologica 60: 62 (1977).

THELEPHORA INTERRUPTA (H.S. Yuan & Y.C. Dai) Kõljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855400

Basionym: *Tomentella interrupta* H.S. Yuan & Y.C. Dai, Fungal Diversity 104: 203 (2020).

THELEPHORA INTSIAE (Suvi & Kõljalg) Kõljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855401

Basionym: *Tomentella intsiae* Suvi & Kõljalg, Mycologia 102 (3): 530 (2009).

THELEPHORA JUNCICOLA (Svrček) Kõljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855403

Basionym: *Tomentella juncicola* Svrček, Česká Mykologie 12 (2): 74 (1958).

THELEPHORA KALATOPII (Dhingra & Malka) Kõljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855404

Basionym: *Tomentella kalatopii* Dhingra & Malka, Current Research in Plant Sciences (Eds. Sarma, T.A., Saini, S.S., Trivedi, M.L. & Sharma, M.) Bishen Singh Mahendra Pal Singh, Dehradun: 47 (1994).

THELEPHORA KANASSENSIS (X. Lu & H.S. Yuan) Kõljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855405

Basionym: *Tomentella kanasensis* X. Lu & H.S. Yuan, Forests 12 (11, no. 1531): 11 (2021).

THELEPHORA KENTUCKIENSIS (M.J. Larsen) Kõljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855406

Basionym: *Tomentella kentuckiensis* M.J. Larsen, Mycologia Memoirs 4: 100 (1974).

THELEPHORA KOOTENAIENSIS (M.J. Larsen) Kõljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855407

Basionym: *Tomentella kootenaiensis* M.J. Larsen, Beihefte zur Nova Hedwigia 51: 174 (1975).

THELEPHORA LAMMIENSIS (X. Lu, K. Steffen & H.S. Yuan) Kõljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855408

Basionym: *Tomentella lammiensis* X. Lu, K. Steffen & H.S. Yuan, Mycologia 110 (4): 680 (2018).

THELEPHORA LAPIDA (Pers.) Kõljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855239

Basionym: *Sporotrichum lapidum* Pers., Mycologia Europaea 1: 78 (1822).

THELEPHORA LARSSONIANA (Suvi & Kõljalg) Kõljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855240

Basionym: *Tomentella larssoniana* Suvi & Kõljalg, Mycologia 102 (3): 530 (2010).

THELEPHORA EULATERITIA Kõljalg, I. Saar & Svantesson, **nom. nov.**

Mycobank: 855133

Replaced basionym: *Tomentella lateritia* Pat., Journal de Botanique (Morot) 8: 221 (1894). Non *Thelephora lateritia* Pers. (1822).

Etymology: Eu- (Lat.) = "true", a word to be interpreted in the sense that the present species, formerly known as *Tomentella lateritia*, is a corticioid member of Thelephorales with a widespread name usage, while the competing synonym, *Thelephora lateritia* Pers., is a species whose name is not in use and which, judging from its description, probably does not belong to Thelephorales. The name also serves as an attempt at avoiding confusion and retaining resemblance to the replaced synonym for the benefit of those working in the field.

THELEPHORA LIAONINGENSIS (H.S. Yuan & Y.C. Dai) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855241

Basionym: *Tomentella liaoningensis* H.S. Yuan & Y.C. Dai, Fungal Diversity 104: 206 (2020).

THELEPHORA LIASICOLA (Bourdot & Galzin) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855242

Basionym: *Tomentella liasicola* Bourdot & Galzin, Bulletin de la Société Mycologique de France 40 (2): 157 (1924).

THELEPHORA LILACINOGRISEA (Wakef.) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855243

Basionym: *Tomentella lilacinogrisea* Wakef., Transactions of the British Mycological Society 49 (3): 360 (1966).

THELEPHORA LITSCHAUERI (Svrček) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855244

Basionym: *Tomentella litschaueri* Svrček, Česká Mykologie 12 (2): 75 (1958).

THELEPHORA PLUMBEEA Kõljalg, I. Saar & Svantesson, **nom. nov.**

MycoBank: 855134

Replaced basionym: *Tomentella livida* Litsch., Svensk Botanisk Tidskrift 26 (3-4): 450 (1933). Non *Thelephora livida* (Pers.) Fr. (1818) = *Mycocacia livida* (Pers.) Zmitr.

Etymology: Plumbum (Lat.) = "lead", a word with a similar meaning to that of the replaced synonym.

THELEPHORA LONGECHINULATA (H.S. Yuan, X. Lu & Y.C. Dai) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855245

Basionym: *Tomentella longechinulata* H.S. Yuan, X. Lu & Y.C. Dai, Fungal Diversity 104: 211 (2020).

THELEPHORA LONGIACULEIFERA (H.S. Yuan & Y.C. Dai) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855246

Basionym: *Tomentella longiaculeifera* H.S. Yuan & Y.C. Dai, Fungal Diversity 104: 209 (2020).

THELEPHORA LONGIECHINULA (X. Lu & H.S. Yuan) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855247

Basionym: *Tomentella longiechinula* X. Lu & H.S. Yuan, Frontiers in Microbiology 13 (no. 864198): 8 (2022).

THELEPHORA LONGISTERIGMATA (X. Lu, K. Steffen & H.S. Yuan) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855248

Basionym: *Tomentella longisterigmata* X. Lu, K. Steffen & H.S. Yuan, Mycologia 110 (4): 688 (2018).

THELEPHORA LUTEOMARGINATA (M.P. Christ.) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855249

Basionym: *Tomentella luteomarginata* M.P. Christ., Dansk botanisk Arkiv 19 (2): 263 (1960).

THELEPHORA MACROSPORA (Höhn. & Litsch.) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855250

Basionym: *Tomentella macrospora* Höhn. & Litsch., Sitzungsberichte der Kaiserlichen Akademie der Wissenschaften Math.-naturw. Klasse Abt. I 115: 1602 (1906).

THELEPHORA MAIREI (Bourdot) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855251

Basionym: *Tomentella mairei* Bourdot, J. Lorraine Pharm. 4 (1): 80 (1918).

THELEPHORA MAROANA (Yorou) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855252

Basionym: *Tomentella maroana* Yorou, Mycoscience 52 (6): 368 (2011).

THELEPHORA MEGASPORA (H.S. Yuan, X. Lu & Y.C. Dai) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855253

Basionym: *Tomentella megaspora* H.S. Yuan, X. Lu & Y.C. Dai, Fungal Diversity 104: 213 (2020).

THELEPHORA MICROSPORA (P. Karst.) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855254

Basionym: *Hypochnus microsporus* P. Karst., Hedwigia 35: 174 (1896).

THELEPHORA MINISPORA (Yorou) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855255

Basionym: *Tomentella minispora* Yorou, Nova Hedwigia 96 (1-2): 169 (2012).

THELEPHORA MOLYBDAEA (Bourdot & Galzin) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855256

Basionym: *Tomentella molybdaea* Bourdot & Galzin, Bulletin de la Société Mycologique de France 40 (2): 142 (1924).

THELEPHORA MONTANENSIS (M.J. Larsen) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855258

Basionym: *Tomentella montanensis* M.J. Larsen, Canadian Journal of Botany 45 (8): 1304 (1967).

THELEPHORA MURICATA (Ellis & Everh.) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855259

Basionym: *Zygodesmus muricatus* Ellis & Everh., Bulletin of the Torrey Botanical Club 11 (2): 17 (1884).

THELEPHORA NEOBOURDOTII (M.J. Larsen) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855260

Basionym: *Tomentella neobourdotii* M.J. Larsen, Mycologia 60: 1179 (1969).

THELEPHORA NITELLINA (Bourdot & Galzin) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855261

Basionym: *Tomentella nitellina* Bourdot & Galzin, Bulletin de la Société Mycologique de France 40 (2): 151 (1924)

THELEPHORA OCHRACEO-OLIVACEA (Litsch.) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855262

Basionym: *Tomentella ochraceo-olivacea* Litsch., Bulletin de la Société Mycologique de France 49: 62 (1933).

THELEPHORA OLIGOFIBULA (M.J. Larsen, Beltrán-Tej. & Rodríguez-Armas) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855263

Basionym: *Tomentella oligofibula* M.J. Larsen, Beltrán-Tej. & Rodríguez-Armas, Mycotaxon 52 (1): 110 (1994).

THELEPHORA OLEAGINEA Køljalg, I. Saar & Svantesson, **nom. nov.**

Mycobank: 855135

Replaced basionym: *Tomentella olivacea* H.S. Yuan & Y.C. Dai, Fungal Diversity 104: 215 (2020). Non *Thelephora olivacea* (Fr.) Pers. (1828) = *Coniophora olivacea* (Fr.) P. Karst.

Etymology: Oleagineus (Lat.) = "olive-like", with reference to the colour, a word with a similar meaning to that of the replaced synonym.

THELEPHORA OLIVASCENS (Berk. & M.A. Curtis) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855264

Basionym: *Zygodesmus olivascens* Berk. & M.A. Curtis, Grevillea 3 (28): 145 (1875).

THELEPHORA OLIVACEOBRUNNEA (H.S. Yuan, X. Lu & Y.C. Dai) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855265

Basionym: *Tomentella olivaceobrunnea* H.S. Yuan, X. Lu & Y.C. Dai, Fungal Diversity 104: 217 (2020).

THELEPHORA PALLIDOBRUNNEA (H.S. Yuan, X. Lu & Y.C. Dai) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855266

Basionym: *Tomentella pallidobrunnea* H.S. Yuan, X. Lu & Y.C. Dai, Fungal Diversity 104: 221 (2020).

THELEPHORA PALLIDOCASTANEA (X. Lu, Y.H. Mu & H.S. Yuan) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855267

Basionym: *Tomentella pallidocastanea* X. Lu, Y.H. Mu & H.S. Yuan, Phytotaxa 369 (2): 85 (2018).

THELEPHORA PALLIDOMARGINATA (H.S. Yuan, X. Lu & Y.C. Dai) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855268

Basionym: *Tomentella pallidomarginata* H.S. Yuan, X. Lu & Y.C. Dai, Fungal Diversity 104: 223 (2020).

THELEPHORA PAPILLATA (Höhn. & Litsch.) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855269

Basionym: *Tomentella papillata* Höhn. & Litsch., Sitzungsberichte der Kaiserlichen Akademie der Wissenschaften Math.-naturw. Klasse Abt. I 117: 1118 (1908).

THELEPHORA PAPUAE (Yorou & Paroll) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855270

Basionym: *Tomentella papuae* Yorou & Paroll, Nova Hedwigia 95 (3-4): 434 (2012).

THELEPHORA PARMASTOANA (Suvi & Kõljalg) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855271

Basionym: *Tomentella parmastoana* Suvi & Kõljalg, Mycologia 102 (3): 528 (2009).

THELEPHORA PARVISPORA (H.S. Yuan & Y.C. Dai) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855272

Basionym: *Tomentella parvispora* H.S. Yuan & Y.C. Dai, Fungal Diversity 104: 225 (2020).

THELEPHORA PATAGONICA (Kuhar & Rajchenb.) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855273

Basionym: *Tomentella patagonica* Kuhar & Rajchenb., Mycologia 108 (4): 788 (2016).

THELEPHORA PELLICULARIOIDES (Wakef.) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855274

Basionym: *Tomentella pellicularioides* Wakef., Transactions of the British Mycological Society 49 (3): 360 (1966).

THELEPHORA PERTENUIS (H.S. Yuan & Y.C. Dai) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855275

Basionym: *Tomentella pertenuis* H.S. Yuan & Y.C. Dai, Fungal Diversity 104: 227 (2020).

THELEPHORA PILATII (Litsch.) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855276

Basionym: *Tomentella pilatii* Litsch., Bulletin de la Société Mycologique de France 49: 72 (1933).

THELEPHORA PILEOCYSTIDIATA (Suvi & Kõljalg) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855277

Basionym: *Tomentella pileocystidiata* Suvi & Kõljalg, Mycologia 102 (3): 529 (2010).

THELEPHORA PILOSA (Burt) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855278

Basionym: *Hypochnus pilosus* Burt, Annals of the Missouri Botanical Garden 3: 221 (1916).

THELEPHORA PISONIAE (Suvi & Kõljalg) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855279

Basionym: *Tomentella pisoniae* Suvi & Kõljalg, Mycologia 102 (3): 526 (2009).

THELEPHORA PORPHYREA (Petch) Kõljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855280

Basionym: *Tomentella porphyrea* Petch, Annals of the Royal Botanic Gardens Peradeniya 9 (3): 297 (1925).

THELEPHORA PORULOSA (Bourdot & Galzin) Kõljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855281

Basionym: *Tomentella porulosa* Bourdot & Galzin, Bull. Trimestriel Soc. Mycol. France 40 (2): 154 (1924).

THELEPHORA PSEUDOFUSCA (Skovst.) Kõljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855282

Basionym: *Tomentella pseudofusca* Skovst., Comptes Rendus Des Travaux Du Laboratoire Carlsberg: Serie Physiologique 25 (1): 27 (1950).

THELEPHORA PUBERULA (Bourdot & Galzin) Kõljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855283

Basionym: *Tomentella puberula* Bourdot & Galzin, Bulletin de la Société Mycologique de France 40 (2): 150 (1924).

THELEPHORA TORULA Kõljalg, I. Saar & Svantesson, **nom. nov.**

Mycobank: 855136

Replaced basionym: *Tomentella pulvinulata* Kuhar & Rajchenb., Mycologia 108 (4): 787 (2016). Non *Thelephora pulvinulata* Speg. (1909).

Etymology: *Torululus* (Lat.) = "small cushion", a word in apposition with a similar meaning to that of the replaced synonym.

THELEPHORA YOROUKI Kõljalg, I. Saar & Svantesson, **nom. nov.**

Mycobank: 855137

Replaced basionym: *Tomentella purpurea* Wakef., Transactions of the British Mycological Society

49 (3): 361 (1966). Non *Thelephora purpurea* (Pers.) Pers. (1801) = *Chondrostereum purpureum* (Pers.) Pouzar.

Etymology: In honour of Nourou Soulemane Yorou, a great contributor to the study of corticioid fungi in Thelephorales.

THELEPHORA PYROLAE (Ellis & Halst.) Kõljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855284

Basionym: *Zygodesmus pyrolae* Ellis & Halst., Journal of Mycology 6: 34 (1890).

THELEPHORA QINGYUANENSIS (H.S. Yuan & Y.C. Dai) Kõljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855285

Basionym: *Tomentella qingyuanensis* H.S. Yuan & Y.C. Dai, Fungal Diversity 104: 229 (2020).

THELEPHORA EXTENDENS Kõljalg, I. Saar & Svantesson, **nom. nov.**

Mycobank: 855138

Replaced basionym: *Hypochnus fuscus* var. *radiosus* P. Karst., Meddelanden af Societas pro Fauna et Flora Fennica 9: 71 (1882). Non *Thelephora radiosa* Fr. (1818) = *Vesiculomyces citrinus* (Pers.) E. Hagstr.

Etymology: *Extendens* (Lat.) = "to extend/thrust out", a word in apposition with a similar meaning to that of the replaced synonym.

THELEPHORA RAMOSISSIMA (Berk. & M.A. Curtis) Kõljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855286

Basionym: *Zygodesmus ramosissimus* Berk. & M.A. Curtis, Grevillea 3 (28): 145 (1875).

THELEPHORA RETIRUGA (E.C. Martini & Hentic) Kõljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855287

Basionym: *Tomentella retiruga* E.C. Martini & Hentic, Bulletin de la Société Mycologique de France 118 (2): 80 (2003).

THELEPHORA RHODOPHAEA (Höhn. & Litsch.) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855288

Basionym: *Tomentella rhodophaea* Höhn. & Litsch., Sitzungsberichte der Kaiserlichen Akademie der Wissenschaften Math.-naturw. Klasse Abt. I 116: 831 (1907).

THELEPHORA ROANA (Bourdot & Galzin) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855289

Basionym: *Tomentella galzinii* subsp. *roana* Bourdot & Galzin, Bulletin de la Société Mycologique de France 40 (2): 144 (1924).

THELEPHORA ROSTRATA (Kotkova) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855290

Basionym: *Tomentella rostrata* Kotkova, Novitates systematicae plantarum non vascularium 47: 83 (2013).

THELEPHORA AURANTIOBRUNNEA Kõljalg, I. Saar & Svantesson, **nom. nov.**

MycoBank: 855139

Replaced basionym: *Hypochnus rubiginosus* Bres., Atti Imp. Regia Accad. Roveretana ser. 3, 3: 116 (1897). Non *Thelephora rubiginosa* Schrad. (1792).

Etymology: Aurantiobrunneus (Lat.) = "orange brown", a word with a similar meaning to that of the replaced synonym.

THELEPHORA RUFOBRUNNEA (Petch) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855292

Basionym: *Tomentella rufobrunnea* Petch, Annals of the Royal Botanic Gardens Peradeniya 9 (2): 144 (1924).

THELEPHORA RUTTNERI (Litsch.) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855293

Basionym: *Tomentella ruttneri* Litsch., Bulletin de la Société Mycologique de France 49: 67 (1933).

THELEPHORA SCHRENKIANAE (X. Lu & H.S. Yuan) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855294

Basionym: *Tomentella schrenkianae* X. Lu & H.S. Yuan, Forests 12 (11, no. 1531): 12 (2021).

THELEPHORA SCOBINELLA (G. Cunn.) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855295

Basionym: *Tomentella scobinella* G. Cunn., Transactions and Proceedings of the Royal Society of New Zealand 84: 485 (1957).

THELEPHORA SEGREGATA (H.S. Yuan, Xu Lu & Y.C. Dai) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855296

Basionym: *Tomentella segregata* H.S. Yuan, Xu Lu & Y.C. Dai, Fungal Diversity 104: 233 (2020).

THELEPHORA SEPARABILIS (Donk) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855297

Basionym: *Tomentella separabilis* Donk, Mededelingen van het botanisch Museum en Herbarium van de Rijksuniversiteit Utrecht 9: 32 (1933).

THELEPHORA SEPARATA (H.S. Yuan, X. Lu & Y.C. Dai) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855298

Basionym: *Tomentella separata* H.S. Yuan, X. Lu & Y.C. Dai, Fungal Diversity 104: 235 (2020).

THELEPHORA SORDIDA (Wakef.) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855299

Basionym: *Tomentella sordida* Wakef., Transactions of the British Mycological Society 53: 185 (1969).

THELEPHORA SPINIFERA (Burt) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855300

Basionym: *Hypochnus spiniferus* Burt, Annals of the Missouri Botanical Garden 3: 218 (1916).

THELEPHORA SPINOSISPORA (Čížek) Kõljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855301

Basionym: *Tomentella spinosipora* Cizek, Czech Mycology 56 (3-4): 253 (2004).

THELEPHORA STIPITATA (H.S. Yuan, X. Lu & Y.C. Dai) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855302

Basionym: *Tomentella stipitata* H.S. Yuan, X. Lu & Y.C. Dai, Fungal Diversity 104: 236 (2020).

THELEPHORA STIPITOBASIDIA (X. Lu & H.S. Yuan) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855303

Basionym: *Tomentella stipitobasidia* X. Lu & H.S. Yuan, Frontiers in Microbiology 13 (no. 864198): 10 (2022).

THELEPHORA STOREA (H.S. Yuan & Y.C. Dai) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855304

Basionym: *Tomentella storea* H.S. Yuan & Y.C. Dai, Fungal Diversity 104: 237 (2020).

THELEPHORA STUPOSA (Link) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855305

Basionym: *Sporotrichum stuposum* Link, Magazin der Gesellschaft Naturforschenden Freunde Berlin 3 (1): 12 (1809).

THELEPHORA SUBALPINA (M.J. Larsen) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855306

Basionym: *Tomentella subalpina* M.J. Larsen, Mycologia 64: 444 (1972).

THELEPHORA SUBAMYLOIDEA (Agerer) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855307

Basionym: *Tomentella subamyloidea* Agerer, Australian Systematic Botany 14 (4): 608 (2001).

THELEPHORA SUBCERVINA (Litsch.) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855308

Basionym: *Tomentella subcervina* Litsch., Bulletin de la Société Mycologique de France 49: 60 (1933).

THELEPHORA SUBCINERASCENS (Litsch.) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855309

Basionym: *Tomentella subcinerascens* Litsch., Österreichische Botanische Zeitschrift 88 (2): 133 (1939).

THELEPHORA SUBCLAVIGERA (Litsch.) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855310

Basionym: *Tomentella subclavigera* Litsch., Bulletin de la Société Mycologique de France 49: 57 (1933).

THELEPHORA SUBCORTICIOIDES (S.S. Rattan) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855311

Basionym: *Tomentella subcorticioides* S.S. Rattan, Bibliotheca Mycologica 60: 53 (1977).

THELEPHORA SUBTESTACEA (Bourdot & Galzin) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855312

Basionym: *Tomentella galzinii* subsp. *subtestacea* Bourdot & Galzin, Bulletin de la Société Mycologique de France 40 (2): 144 (1924).

THELEPHORA SUBVINOSA (Burt) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855313

Basionym: *Hypochnus subvinosus* Burt, Annals of the Missouri Botanical Garden 3: 231 (1916).

THELEPHORA TEDERSOOI (Suvi & Køljalg) Køljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855314

Basionym: *Tomentella tedersooi* Suvi & Køljalg, Mycologia 102 (3): 526 (2010).

THELEPHORA TENUIRHIZOMORPHA (X. Lu, Y.H. Mu & H.S. Yuan) Køljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855315

Basionym: *Tomentella tenuirhizomorpha* X. Lu, Y.H. Mu & H.S. Yuan, Phytotaxa 369 (2): 87 (2018).

THELEPHORA SUVIANA Kõljalg, I. Saar & Svantesson, **nom. nov.**

MycoBank: 855140

Replaced basionym: *Tomentella tenuis* Suvi & Kõljalg, Mycologia 102 (3): 529 (2010). Non *Thelephora tenuis* Burt (1931).

Etymology: In honour of Triin Suvi, for her contributions to the study of corticioid species in *Thelephora*.

THELEPHORA TENUISSIMA (Kuhar & Rajchenb.) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855317

Basionym: *Tomentella tenuissima* Kuhar & Rajchenb., Mycologia 108 (4): 781 (2016).

THELEPHORA HUMICOLA Kõljalg, I. Saar & Svantesson, **nom. nov.**

MycoBank: 855141

Replaced basionym: *Zygodesmus terrestris* Berk. & Broome, Annals and Magazine of Natural History 7: 130 (1881). Non *Thelephora terrestris* Ehrh. ex Fr. (1821).

Etymology: Humus (Lat.) + colo (Lat.) = "earth/soil-inhabitant", a word with a similar meaning to that of the replaced synonym.

THELEPHORA TESTACEA (Bourdot & Galzin) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855318

Basionym: *Tomentella testacea* Bourdot & Galzin, Bulletin de la Société Mycologique de France 40 (2): 146 (1924).

THELEPHORA TESTACEOGILVA (Bourdot & Galzin) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855319

Basionym: *Tomentella testaceogilva* Bourdot & Galzin, Bulletin de la Société Mycologique de France 40 (2): 149 (1924).

THELEPHORA UMBRINOSPORA (M.J. Larsen) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855320

Basionym: *Tomentella umbrinospora* M.J. Larsen, State University College of Forestry at Syracuse University Technical Publication 93: 61 (1968).

THELEPHORA UNICUSA (Dhingra & Malka) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855321

Basionym: *Tomentella unicus* Dhingra & Malka, Current Research in Plant Sciences (Eds. Sarma, T.A., Saini, S.S., Trivedi, M.L. & Sharma, M.) Bishen Singh Mahendra Pal Singh, Dehradun: 50 (1994).

THELEPHORA VARIECOLOR (Malençon) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855322

Basionym: *Tomentella varicolor* Malençon, Bulletin de la Société Botanique de France 99: 51 (1952).

THELEPHORA VERRUCULATA (X. Lu & H.S. Yuan) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855323

Basionym: *Tomentella verruculata* X. Lu & H.S. Yuan, Frontiers in Microbiology 13 (no. 864198): 11 (2022).

THELEPHORA VESICULOSA (Natarajan & Chandrash.) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855324

Basionym: *Tomentella vesiculosa* Natarajan & Chandrash., Mycologia 70 (6): 1294 (1979).

THELEPHORA VIOLACEOFUSCA (Sacc.) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855325

Basionym: *Zygodesmus violaceofuscus* Sacc., Michelia 2 (7): 293 (1881).

THELEPHORA VIRIDESCENS (Bres. & Torrend) Kõljalg, I. Saar & Svantesson, **comb. nov.**

MycoBank: 855326

Basionym: *Hypochnus viridescens* Bres. & Torrend, Brotéria Série Botânica 11: 85 (1913).

THELEPHORA VIRIDIBASIDIA (Svantesson) Kõljalg, I. Saar & Svantesson, **comb. nov.**

Mycobank: 855327

Basionym: *Tomentella viridibasidia* Svantesson, Phytotaxa 497 (2): 72 (2021).

THELEPHORA EUVIRIDIS Kõljalg, I. Saar & Svantesson, **nom. nov.**

Mycobank: 855142

Replaced basionym: *Kneiffia viridis* Rick, Brotéria Série Trimestral: Ciências Naturais 3 (2): 77 (1934). Non *Thelephora viridis* Preuss (1851).

Etymology: Eu- (Lat.) = "true", a word to be interpreted in the sense that the present species, formerly known as *Tomentella viridis*, is a corticioid member of Thelephorales, while the competing synonym, *Thelephora viridis* Preuss, is a species which has been transferred to the genus *Peniophora*, but presumably is a synonym of *Crustoderma dryinum*. The name also serves as an attempt at avoiding confusion and retaining resemblance to the replaced synonym for the benefit of those working in the field.

THELEPHORA MARTINII Kõljalg, I. Saar & Svantesson, **nom. nov.**

Mycobank: 855143

Replaced basionym: *Tomentella galzinii* subsp. *viridula* Bourdot & Galzin, Bulletin de la Société Mycologique de France 40 (2): 144 (1924). Non *Thelephora viridula* Bres. (1907) = *Clavulina viridula* (Bres.) D.A. Reid.

Etymology: In honour of Elia Martini, a great contributor to the study of corticioid species within Thelephorales.

TOMENTELLOPSIS LARSENII (Kõljalg & Dunstan) Kõljalg, **comb. nov.**

Mycobank: 855344

Basionym: *Pseudotomentella larsenii* Kõljalg & Dunstan, Harvard Papers in Botany 6 (1): 124 (2001).

POLYOZELLUS NIGRUS (Höhn. & Litsch.) Kõljalg & Svantesson, **comb. nov.**

Mycobank: 855346

Basionym: *Tomentella nigra* Höhn. & Litsch., Wiesner Festschrift: 78 (1908).

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