Kellermania macrospora & Kellermania pseudoyuccigena

**Basionym.** Septoria macrospora Durieu & Mont., Exploration scientifique de l’Algérie 1: 589. 1849.
- *Hendersonia montagnei* Cooke, Nuovo Giorn. Bot. Ital. 10: 19. 1878. Note: This nom. nov. was established since the epithet ‘macropora’ was occupied by *H. macrospora* Berk. & Broome 1850.
- *Hendersonia piptathra* Sacc., Michelia 2: 111. 1880. Note: This nom. nov. was established since the epithet ‘macrospora’ is occupied by *H. macrospora* Berk. & Broome 1850.
- *Piptathron macrosporum* (Durieu & Mont.) Höhn., Hedwigia 60: 203. 1918.

**Folicolous.** Conidiomata pycnidial, black, solitary, immersed, globose, unilocular, up to 600 µm diam; wall of 8–10 cells of brown *textura angularis*; ostiole central, non-papillate, up to 20 µm diam, exuding a hyaline conidial cirrus. Conidiophores lining the inner cavity, reduced to conidiogenous cells, hyaline, smooth, subcylindrical to ampulliform, 10–25 × 5–8 µm, proliferating percurrently at apex, invested in mucus. Conidia hyaline, smooth, gulletate, cylindrical to obclavate, (3–)4(–5)-septate, (67–)85–97(–105) × (8–)9–(10–)12 µm; frequently encased in a non-persistent 2 µm thick mucoid sheath; apex acutely rounded; conidial base truncate, with a minute, flaring marginal frill, 2–3 µm long.

**Notes.** — The genus *Kellermania* (= *Alpakesa*, *Piptathron*, *Planistroma*, *Planistromella*, ?*Septolopaca*) belongs to the *Plani­stromellaceae*, which is a separate family in the Botryosphaeriales (Minnis et al. 2012, Slippers et al. 2013). *Keller­mania macrospora* (holotype PC 85781; conidia 3–5-septate, (60–)85–70–(78) × (9–)10–11 µm) closely matched that morphology of the epithyte, and the strain identified by Minnis et al. (2012) as *K. macrospora* (CBS 131716; conidia 54.5–93 × 6.5–11 µm, 3–5(–7)-septate, occurring on *Agave* sp.).

**Kellermania pseudoyuccigena** Crous, *sp. nov.*

**Etymology.** Named after its morphological similarity to *Kellermania yuccigena*.

**Folicolous.** Conidiomata pycnidial, black, solitary, immersed, globose, unilocular, up to 300 µm diam; wall of 8–10 cells of brown *textura angularis*; ostiole central, non-papillate, up to 20 µm diam, exuding a hyaline conidial cirrus. Conidiophores lining the inner cavity, reduced to conidiogenous cells, hyaline, smooth, subcylindrical to ampulliform, 5–12 × 3–6 µm, proliferating percurrently at apex, invested in mucus. Conidia hyaline, smooth, gulletate, cylindrical to obclavate, (3–)4(–5)-septate, (67–)85–97–(105) × (8–)9–(10–)12 µm; frequently encased in a non-persistent 2 µm thick mucoid sheath; apex acutely rounded; conidial base truncate, with a minute, flaring marginal frill, 1 µm long.

**Culture characteristics.** — Colonies reaching 50 mm diam after 2 wk, with moderate aerial mycelium and feathery margins. On PDA surface pale mouse grey, reverse dark mouse grey; on OA surface dirty white.

**Notes.** — *Kellermania pseudoyuccigena* occurs on the same leaves in association with *K. pentaseptata*. Morphologically *K. pseudoyuccigena* (conidia (40–)50–(60 × (6–)8–9 µm) closely resembles *K. yuccigena*, but can be distinguished in the conidia of the latter species are generally wider (50–61 × 9–10 µm) when studied in culture under standardised conditions. Based on a megablast search of NCBIs GenBank nucleotide database, the closest hits using the LSU sequence are *Keller­mania yuccigena* (GenBank JX444883; Identities = 728/729 (99 %), Gaps = 1/729 (0 %)). *K. yuccifoliorum* (GenBank JX444882; Identities = 727/728 (99 %), no gaps) and *K. uniseptata* (GenBank JX444881; Identities = 726/728 (99 %), no gaps). Closest hits using the ITS sequence had highest similarity to *K. macrospora* (GenBank JX444858; Identities = 403/403 (100 %), no gaps), *K. uniloculans* (GenBank JX444865; Identities = 355/370 (96 %), no gaps) and *K. yuccifoliorum* (GenBank JX444867; Identities = 342/358 (96 %), no gaps).


**Typus.** USA, California, Walnut Creek, Ruth Bancroft Garden, 1552 Bancroft Road, on leaves of *Yucca rostrata* (Asparagaceae), 20 Mar. 2012, P.W. Crous (holotype CBS H-21415, culture ex-type CPC 20418, 20388 = CBS 136446, ITS sequence GenBank KF777166–KF777168, LSU sequence of CPC 20388, 20418 GenBank KF777219–KF777220, MycoBank MB805813).

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