



Macromitrium.

A–G, *M. longirostre*. A, Habit of dry branch (W.A.Weymouth 570, CANB); B, Branch leaf (D.H.Vitt 9384, ALTA); C, Capsule with operculum (D.H.Vitt 9275, ALTA); D, Calyptra (D.H.Vitt 9275, ALTA); E, Upper laminal cells; bistratose cells shaded (D.H.Vitt 8855, ALTA); F, Basal laminal cells (D.H.Vitt 8855, ALTA); G, Upper leaf sections (Bell 348, H).

H–N, *M. microstomum*. H, Habit of dry branch (H.P.Ramsay 79166, NSW); I, Branch leaf (D.H.Vitt 1973, ALTA); J, Perichaetial leaf (D.H.Vitt 10325, ALTA); K, Calyptra (T.N.Beckett 146, CHR); L, Upper leaf section (Bell, 1888, H); M, Upper laminal cells (D.H.Vitt 10432, ALTA); N, Basal laminal cells (D.H.Vitt 10325, ALTA).

O–V, *M. dielsii*. O, Habit of dry branch (H.P.Ramsay, 1981, NSW); P, Branch leaf (D.H.Vitt 27917, ALTA); Q, Perichaetial leaf (D.H.Vitt 27917, ALTA); R, Capsule with operculum (D.H.Vitt 27934, ALTA); S, Calyptra (D.H.Vitt 27934, ALTA); T, Upper leaf section (D.H.Vitt 27903, ALTA); U, Upper laminal cells (D.H.Vitt 27917, ALTA); V, Basal laminal cells (D.H.Vitt 27917, ALTA).

Scale bars: 1 mm for habit and leaves; 100 μm for cellular drawings. Drawn by D.Mackay; B–G, I–N, P–V redrawn from D.H.Vitt, J. Hattori Bot. Lab. 54: 1–94 (1983) and D.H.Vitt & H.P.Ramsay, J. Hattori Bot. Lab. 59: 325–451 (1985).