



Rosulabryum.

A–H, *R. torquescens*. A, Habit with sporophyte (dry specimen);

B, Leaf (A, B, D.G.Catcheside 78.286, AD); C, T.S. of leaf (H.P.Ramsay 45/84, NSW);

D, Cells at leaf apex; E, Mid-leaf cells; F, Basal laminal cells, G, Rhizoidal tuber;

H, Peristome: exostome tooth (left); endostome basal membrane with segment and cilium (right) (D–H, H.P.Ramsay 54/84, NSW).

I–N, *R. tuberosum*. I, Habit; J, Rhizoidal tuber; K, Leaf; L, Cells at leaf apex; M, Mid-leaf cells;

N, Basal laminal cells (I–N, I.G.Stone 16751, MEL).

O–V, *R. wightii*. O, Habit with sporophytes; P, Leaf; Q, T.S. of leaf; R, Cells at leaf apex; S,

Upper leaf marginal cells; T, Mid-leaf cells; U, Basal laminal cells (O–U, I.G.Stone 24277,

MEL); V, Peristome: exostome tooth (left); endostome basal membrane with cilium and segment (right) (H.Streimann 4842, AD).

Scale bars: 1 mm for habit; 0.5 mm for leaves, 100 μ m for cellular drawings. Drawn by L.Elkan