



Rosulabryum.

A–J, *R. epiphyticum*. A, Habit of moist plant; B, Capsule; C, Leaf; D, Cells at leaf apex; E, Mid-leaf cells; F, Basal laminal cells; G, T.S. of leaf; H, Peristome: exostome tooth (left); basal membrane with cilium and segment (right); I, Filamentous gemmae; J, Rhizoidal tuber (A–J, holotype).

K–R, *R. queenslandicum*. K, Habit with sporophyte (dry specimen); L, Leaf; M, Cells at leaf apex; N, Mid-leaf cells; O, Basal laminal cells; P, T.S. of leaf; Q, Peristome: endostome basal membrane with segment (left); exostome tooth (right); R, Rhizoidal tuber (K–R, holotype).

S–AA, *R. lamingtonicum*. S, Habit of dry fertile specimen (right) and sterile specimen (left); T, Leaf; U, Cells at leaf apex; V, Upper laminal cells and margin; W, Basal laminal cells; X, T.S. of leaf; Y, Filamentous gemmae; Z, Rhizoidal tuber; AA, Peristome: endostome basal membrane with cilium and segment (left); exostome tooth (right) (S, X, holotype; T–W, Y–AA, J.R.Spence, 5192 NSW).

Scale bars: 1 mm for habit; 0.5 mm for leaves; 100 μ m for cellular drawings. Drawn by N.Oram