

Fam. 2. **Anomodontaceæ.**

Leaves generally papillose; borders sometimes recurved; upper and middle cells oval-rhombic or rotundate; costa simple. Peristome acule or (in *Lindbergia*) simple. Calyptra cucullate.

Fam. 3. **Fabroniaceæ.**

Leaves smooth; borders not (or faintly near the base) recurved; upper cells suboblong or narrower. Peristome mostly simple. Calyptra cucullate. Plants mostly small, not tree-like.

Fam. 4. **Endotrichaceæ.**

Leaves smooth; borders not or indistinctly recurved; upper cells lanceolate-linear. Peristome double. Calyptra mitriform. Plants robust; stem tree-like.

Tribe 2. **Dicholepideæ.**

Endostomial segments carinate or marked with a longitudinal line, not united.

A. *Stenolepideæ*. Endostomial segments narrow (distinctly narrower than the exostomial teeth).

Capsule symmetric, not curved. Calyptra sometimes mitriform. Leaves not falcate.

a. *Distichophyllæ*. Leaves distichous.

Capsule sometimes immersed. Leaves smooth (not papillose).

Fam. 5. **Neckeraceæ.**

Upper leaf-cells generally short and wide. Pedicel of the capsule smooth. Calyptra cucullate or (in one species) mitriform. Stem sometimes with paraphyllia.

b. *Polystichophyllæ*. Leaves plurifarious.

Capsule exserted; pedicel smooth or (in *Daltonia* and *Helicodontium*) rough. Leaves often papillose.

Fam. 6. **Leptodontaceæ.**

Stem tree-like; branches often circinnate; paraphyllia often present. Leaves smooth; cells more or less dilated. Calyptra cucullate.