

DACTYLINA Nyl.

3 species described globally and all 3 are found in Alberta. Charismatic, terricolous lichens, restricted to the mountainous regions of Alberta. Some floras treat *Dactylina beringica* as a chemotype subspecies of *Dactylina arctica*.

arctica subsp. arctica (Richardson) Nyl.

arctica subsp. beringica (C.D. Bird & J.W. Thomson) Kärnefelt & A. Thell (treated as a species in ACIMS, ABMI, Consortium of Lichen Herbaria, and Esslinger Checklist of North America)

ramulosa (Hooker f.) Tuck.

DICHOTOMOUS KEY – *Dactylina* & *Allocetraria*

Modified & updated from Goward 1999, line drawings from Goward 1999

1a Branch tips at least in part white- pruinose; main stems bearing at least some short, rounded side branches; thallus less than 2.5 cm tall; over base-rich substrates ***Dactylina ramulosa***→

1b Branch tips not at all pruinose (pruina may, however, rarely be present over lower portions of stems); main stems smooth, or at least lacking pointed-tipped outgrowths; thallus occasionally more than 2.5 cm tall; habitat ecology various..... **2**

2a Interior of main stems weakly to distinctly cobwebby, usually at most weakly inflated; over base-rich substrates **3**

2b Interior of main stems hollow to at most weakly cobwebby within, usually strongly inflated (balloon-like); generally over acidic substrates **4**→

3a Main stems with predominantly uneven/anisotomic branching ; medulla **PD+ orange to red**, or occasionally PD-; frequent..... ***Dactylina ramulosa*** (see 1a)

3b Main stems with predominantly even/isotomic branching; medulla PD-; rare
..... ***Allocetraria madreporiformis***→

4a Medulla **PD+ orangish to reddish**; northern ***Dactylina arctica* subsp. *beringica***

4b Medulla PD-; widespread in inland regions..... ***Dactylina arctica* subsp. *arctica***

