

Astrothelium tuberculosum (Vain.) Aptroot comb. nov.

Mycobank No.: Mbxxxx

Pseudopyrenula annularis var. *tuberculosa* Vain., Ann. Acad. Sci Fenn, ser. A, 6(7): 196 (1915).—*Trypethelium crassum* var. *tuberculosum* (Vain.) Zahlbr., Catal. Lich. Univ. 8: 128 (1932).—*Trypethelium tuberculosum* (Vain.) R.C. Harris, Acta Amazon. (Suppl.) 14: 76 ('1984') [1986]; type: Guadeloupe, Safraga, Duss 1415 (TUR-V 30778—holotype, not seen).

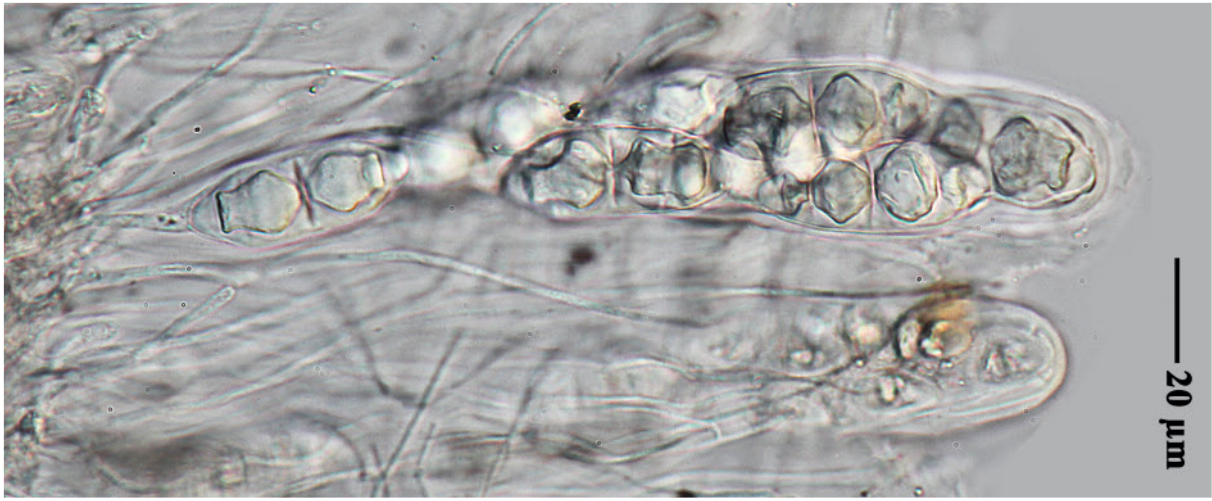
Thallus green to brownish, bullate. *Ascomata* solitary or grouped, largely immersed in the pseudostroma. Pseudostroma not or little raised, often fully covered by the thallus. Ostioles apical, surrounded by a pale rim. Hamathecium not inspersed, filaments profusely anastomosing. Ascospores hyaline, 3-septate, 48–65 × 17–20 µm, lumina diamond-shaped. *Chemistry*. Thallus and pseudostroma UV–, K–. TLC: No substances detected. *Distribution*. Neotropical (reported from Guadeloupe, Trinidad, Tobago, Costa Rica, Guyana, French Guiana, Venezuela, Galapagos, Colombia). New country record. Brazil: São Paulo, Campos de Jordão, 1800 m alt., Sipman 41127, 1997 (SP, B).

FS: with many lichen substances

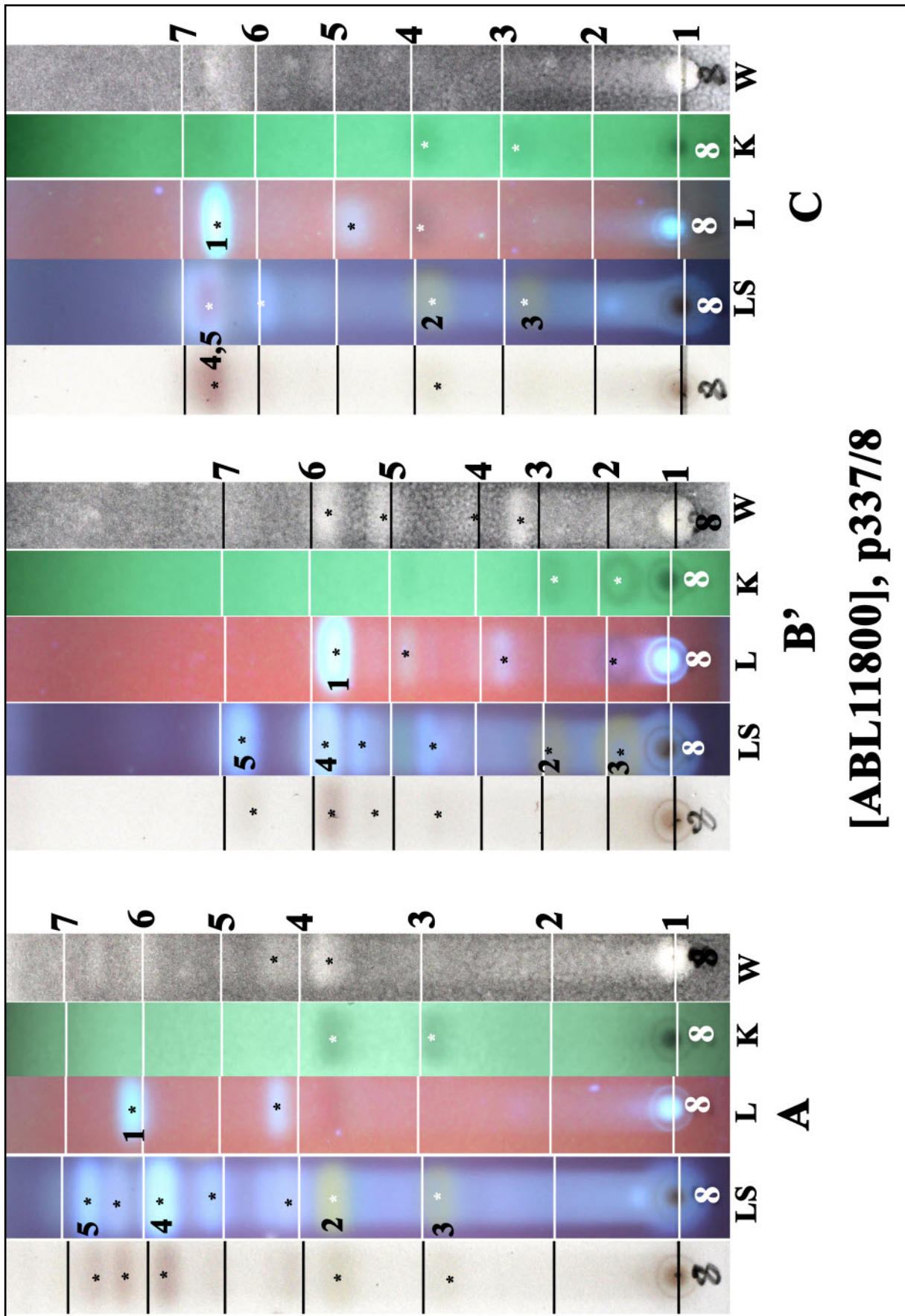
[ABL11800], Brazil, Amazonia, Fazenda São Francisco off BR319, 30 km north of Porto Velho, 8°24'33" S, 63°58'56" W, 100m, in primary rain forest on branches. Leg M. Cáceres & A. Aptroot, 15.03.2012, det. A. Aptroot 2012.



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1,2,3,4,5: unknown until J.A. Elix can identify
(2,3 identical to 2,3 in ABL11672)

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