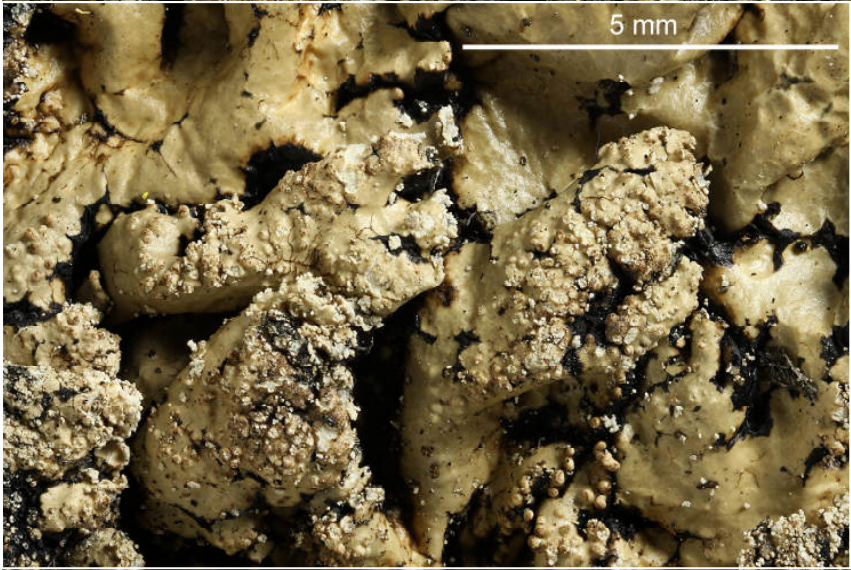


*Hypogymnia austerodes* (Nyl.) Räs.

Thallus adnate, forming rosettes. Lobes 1-3 mm wide, grey in the centre, glossy brownish towards the edges. Isidia short, pustulate on laminal papillae developing into soralia. Lower surface black, brownish towards the periphery. Chemistry: cortex K+ yellow, C-, KC-, P-; medulla K+ yellow>orange, C-, KC+ red, P-; physodic acid, 3-hydroxyphysodic acid, 2'-O-methylphysodic acid. Boreal-alpine in the Northern Hemisphere.

[2642], Schweiz, Nationalpark, zwischen Zernez und Ova Spin, ca. 1800 m, auf Pinus im Pinus-Erica-Wald, zusammen mit Usneen, *Letharia vulpina* etc. (Bodenpflanzen: *Polygala chamaebuxus*, *Daphne striata*). Leg. Schumm 04.07.1978, det. Schumm 1978.





*Hypogymnia austerodes*