

Table 2. Morphological comparison of ascomata belonging to the novel *Resinogalea* found on *Araucaria araucana*, *Cryptocalicium blascoi*, *Resinogalea humboldtensis* and *Bruceomyces castoris*.

Character	Dimension	<i>Resinogalea araucana</i> sp. nov	<i>Resinogalea humboldtensis</i> ¹	<i>Cryptocalicium blascoi</i> ²	<i>Bruceomyces castoris</i> ³
Habitat	Host	<i>Araucaria araucana</i>	<i>Araucaria humboldtensis</i>	<i>Juniperus</i> spp.	<i>Pseudotsuga</i> , <i>Abies</i> , <i>Acer</i> , <i>Alnus</i>
	Location	Chile	New Caledonia	Spain	USA
Ascomata	Height (µm)	(556) 766–1070 (1540)	650–1500	150–360	800–2500
Stipe	Length (µm)	(257) 364–598 (1069)	–	100–260	–
	Width (µm)	(70) 92–214 (275)	80–140	20–40	(75) 85–135 (200)
Hyphae on stipe	Width (µm)	2–3	(2.5) 3.0–4.5 (5.4)	(0.2–0.4) 1.2–1.6	–
Capitulum	Height (µm)	(121) 230–344 (500)	–	50–100	–
	Width (µm)	(204) 293–394 (467)	–	100–150	(170) 200–310 (430)
Mazaedium	Colour	reddish brown	reddish brown	light ochre to greyish green	pale greyish to reddish-brown
Ectal Excipulum	Cell width (µm)	3–6 (9)	–	3.5–5.5	–
Hymenium	Colour	hyaline or slightly yellowish	hyaline	pale brown	pale to medium brown, oil droplets
	Texture	angularis–intricata	–	angularis–globulosa	–
Asci	Qualitative	clavate, pedicellate, bitunicate, evanescent, 8–spored, often with biserially arranged spores	clavate, 8–spored, often with biserially arranged spores	clavate, bitunicate, initially thick-walled (wall 1 µm), then thin-walled, evanescent, 8–spored	clavate, 8–spored, with relatively thick wall, not differentiated at the apex
	Length (total)	21–38 (57)	14–28	20–27	15–20
	Width (total)	4–6	6–9	5–7	7–9
	Sporiferous (L)	(15.5–)19–23(–30)	–	10–16	–
	Pedicel (L)	6–18.5(–32)	22–43	–	20–25
	Pedicel (W)	1.5–3	–	1 (diam.)	–
	Shape	broadly ellipsoidal varying to globose or ellipsoidal	globose to broadly ellipsoidal, erythrocyte-like	globose to subglobose, rarely ellipsoid	ellipsoidal
	Colour	pale brown	pale brown	pale brown	pale brown
Paraphyses	Ornamentation	smooth or slightly verrucose	smooth, with very slight ornamentation visible in SEM	smooth when viewed in a light microscope	surface with longitudinal wrinkles visible under the light microscope
	Length (µm)	4–5.5 (6.5)	(3.0) 3.6 – 4.7 (5.8)	(3)3.3–4(4.7)	(6.0) 7.0–8.3 (9.8)
	Width (µm)	(3.5) 4–5.5	(2.7) 3.3 – 4.3 (4.6)	2.8–3.5 (4.0)	(4.0) 4.4–5.1 (5.8)
	Shape	filiform, obtuse, non-branched	filiform and non-branched	cylindrical, obtuse	–
	Colour	hyaline	hyaline	hyaline to very pale brown	–
	Septa (n)	(1) 2–4 (5)	–	2–4 septa	–
	Length (µm)	64–121(–172)	–	32–40	–
	Width (µm)	2–3	2.0–4.2	1.5–2	2.5–3.5

¹Rikkinen *et al.* 2016; ²Prieto *et al.* 2020; ³Rikkinen 2003.