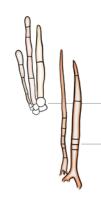
98 key G – Scutellinia and similar



Key G - Scutellinia and others with orange-reddish hymenium and projecting, darker hairs

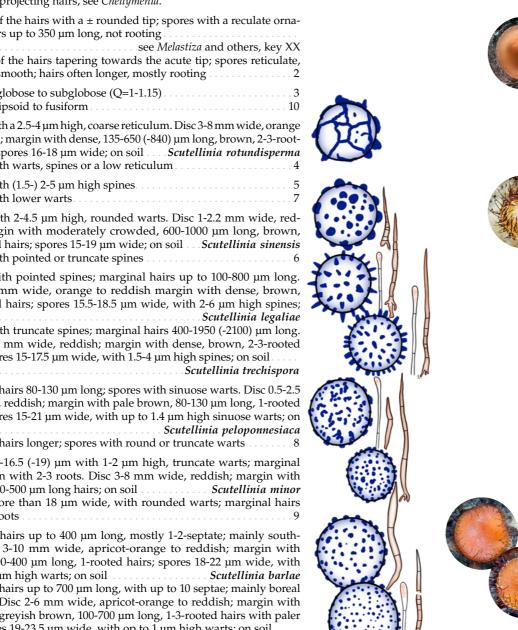
Colouring with cotton blue is nessesary to describe the spore ornament, but the spores must be measured in water, as they shrink considerably in CB.

With stellate, projecting hairs, see Cheilymenia.

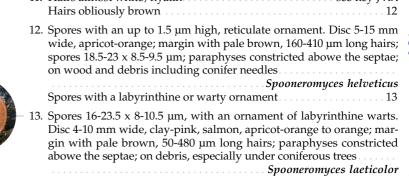
End cell of the hairs with a \pm rounded tip; spores with a reculate ornament; hairs up to 350 µm long, not rooting

..... see Melastiza and others, key XX End cell of the hairs tapering towards the acute tip; spores reticulate,

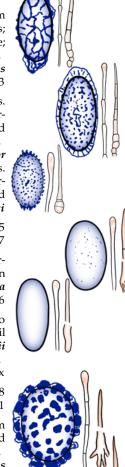
- 3. Spores with a 2.5-4 µm high, coarse reticulum. Disc 3-8 mm wide, orange to reddish; margin with dense, 135-650 (-840) µm long, brown, 2-3-rooted hairs; spores 16-18 µm wide; on soil Scutellinia rotundisperma
- Spores with (1.5-) 2-5 µm high spines 5
- 5. Spores with 2-4.5 µm high, rounded warts. Disc 1-2.2 mm wide, reddish margin with moderately crowded, 600-1000 µm long, brown, 2-3-rooted hairs; spores 15-19 µm wide; on soil ... *Scutellinia sinensis* Spores with pointed or truncate spines 6
- Spores with pointed spines; marginal hairs up to 100-800 µm long. Disc 1-5 mm wide, orange to reddish margin with dense, brown, 2-3-rooted hairs; spores 15.5-18.5 µm wide, with 2-6 µm high spines; Spores with truncate spines; marginal hairs 400-1950 (-2100) µm long. Disc 1.5-9 mm wide, reddish; margin with dense, brown, 2-3-rooted hairs; spores 15-17.5 µm wide, with 1.5-4 µm high spines; on soil
- Marginal hairs 80-130 µm long; spores with sinuose warts. Disc 0.5-2.5 mm wide, reddish; margin with pale brown, 80-130 µm long, 1-rooted hairs; spores 15-21 µm wide, with up to 1.4 µm high sinuose warts; on soil Scutellinia peloponnesiaca Marginal hairs longer; spores with round or truncate warts 8
- Spores 14-16.5 (-19) µm with 1-2 µm high, truncate warts; marginal hairs often with 2-3 roots. Disc 3-8 mm wide, reddish; margin with brown, 200-500 µm long hairs; on soil Scutellinia minor Spores more than 18 µm wide, with rounded warts; marginal hairs
- Marginal hairs up to 400 µm long, mostly 1-2-septate; mainly southern. Disc 3-10 mm wide, apricot-orange to reddish; margin with brown, 100-400 µm long, 1-rooted hairs; spores 18-22 µm wide, with Marginal hairs up to 700 µm long, with up to 10 septae; mainly boreal or arctic. Disc 2-6 mm wide, apricot-orange to reddish; margin with brown to greyish brown, 100-700 µm long, 1-3-rooted hairs with paler tips; spores 19-23.5 µm wide, with op to 1 µm high warts; on soil Scutellinia hyperborea
- **10.** Hairs very pale, typically not devided and rooted at the base. Hairs yellowish brown, orange-brown, to reddish brown, 1-2-multi-rooted 14

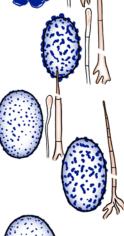


	. Hairs almost white/hyalin see key J XX Hairs obliously brown 12	11.		
	. Spores with an up to 1.5 µm high, reticulate ornament. Disc 5-15 mm wide, apricot-orange; margin with pale brown, 160-410 µm long hairs; spores 18.5-23 x 8.5-9.5 µm; paraphyses constricted abowe the septae; on wood and debris including conifer needles	12.		
	Spores 16-23.5 x 8-10.5 μ m, with an ornament of labyrinthine warts. Disc 4-10 mm wide, clay-pink, salmon, apricot-orange to orange; margin with pale brown, 50-480 μ m long hairs; paraphyses constricted abowe the septae; on debris, especially under coniferous trees Spooneromyces laeticolor Spores 14-17 x 7-8 μ m, with an ornament of scattered, round warts. Disc 3-9 mm wide, clay-pink, salmon, apricot-orange to orange; margin with pale brown, 100-400 μ m long hairs; on debris and burned places Spooneromyces velenovskyi	13.		
	. Mature spores smooth	14.	A	
(. Marginal hairs 450-900 x 15-30 μ m. Disc 1-4 mm wide, \pm apricot-orange; margin with brown hairs; spores 18-20.5 x 10-12.5 μ m; on wood	15.		
	. Spores 18-23 x 10-13.5 μm. Disc 1-4 mm wide, ± apricot-orange to orange; margin with brown, 150-300 μm long, 1-rooted hairs; on soil (southern)	16.		
	Longest marginal hairs 1100-2000 $\mu m long$	17.		
	. Spores ornamented by 1-3.3 μm high, truncate warts. Disc 4-11 mm wide, scarlet; margin with brown, 400-1600 μm long, 3-many-rooted hairs; spores 19-23 x 13.5-18 μm large; mostly on wood	18.		
	Spores with a lower ornament			
	. Spores with large, up to 1.5 μ m high, sinuate warts almost forming a reticulum. Disc 2-6 mm wide, coral to scarlet; margin with brown, 200-2000 μ m long, 3-many-rooted hairs; spores 17-20 x 10-11.5 μ m large; mostly on wood	19.		
	. Spores with very tiny, up to 0.6 μm high warts; spore-Q-av. below 1.6. Disc 3-8 mm wide, coral to scarlet; margin with brown, 300-2000 μm long, 2-many-rooted hairs; spores 16.5-22 x 10.5-14 μm large; mostly on wood	20.		
	Spores with slightly larger, up to 1 μ m high, sinuate warts; spore-Q-av. above 1.6. Disc 4-11 mm wide, coral to scarlet; margin with brown, 360-1600 μ m long, 3-many-rooted hairs; spores 17.5-23 x 10.5-13 μ m large; on soil, debris and wood		CA STATE OF THE PARTY OF THE PA	
,	Longest marginal hairs 600-1100 μm long 22 Marginal hairs shorter than 600 μm 29	21.		



- - 22. Spores with very low, up to 0.3 µm high ornamentation of sinuose warts. Disc 3-12 mm wide, coral to apricot-orange; margin with brown, 600-1000 μm long, 2-many-rooted hairs; spores 21-27.5 x 13.5-16.5 μm





key G — Scutellinia and similar key G — Scutellinia and similar 101

23.	Spores ± fusiform; spores ornamented by long and sinuose warts; with a loosening perispore. Disc 3-8 mm wide, ± scarlet; margin with brown, 200-1100 µm long, 1-2-rooted hairs; spores 23.5-28 x 11.5-15 µm large, with low, sinuose warts; on soil	
24.	Spores 15.5-19.5 x 9.5-12 μ m. Disc 1-5 mm wide, brownish red; margin with brown, to 300-1000 μ m long, 2-multi-rooted hairs; spores 15.5-19.5 x 9.5-12 μ m large, with up to 1.2 μ m high, round warts; on soil, debris and wood	•
25.	Spores with sinuose warts or crests. Disc 3-20 mm wide, scarlet; margin with brown, to 150-1000 μ m long, 2-multi-rooted hairs; spores 19.5-27 x 13-17.5 μ m large, with up to 1.2 μ m high, sinuose warts; on soil Scutellinia olivascens Spores with rounded warts 26	
26.	Spores with both small and large, up to 1.5 μ m high warts; hairs 1-2-rooted. Disc 3-15 mm wide, apricot-orange to scarlet; margin with brown, to 800 μ m long hairs; spores 19-22 x 11-13.5 μ m large, with up to 1.5 μ m high, round warts mixed with smaller; on soil and debris Scutellinia heterosculpturata Spores with more uniform ornamentation; hairs 2-many-rooted 27	
27.	Spores with up to 2 μm high warts. Disc 3-8 mm wide, brownish red to scarlet; margin with brown, to 200-1000 μm long, 2-multi-rooted hairs; spores 17-25 x 13-20 μm large, with round warts; on debris incluting herbs	
28.	Hairs with 1-3 furcate base; spore-Q higher than 1.4. Disc 3-7 mm wide, coral to scarlet; margin with brown, to 150-650 (-950) μm long, 1-3-rooted hairs; spores 17.5-23.5 x 12-15 μm large, with up to 1.1 μm high, \pm round warts; on soil and debris	
29.	Spores with 1.6-4.3 (-6) μ m high crests, forming a reticulum. Disc 1.5-4 mm wide, apricot orange to scarlet; margin with brown, to 120-280 μ m long, 1-2-rooted hairs; spores 19-24 x 10-13.5 μ m large; on soil Scutellinia pseudotrechispora	
	Spores with lower, round or sinuose warts	
30.	Spores on avarage less than 20 µm long 31 Spores on avarage more than 20 µm long 37	
31.	With basally stellate hairs; spores 15.5-18 x 7-10 µm with a semireticulate pattern and much higher ornament at the ends see <i>Cheilymenia crucipila</i> , key XX	
	Without stellate hairs, but hairs often with multible roots; spores different	
32.	Spores 13-16 x 7-9 μ m with very small, to 0.3 μ m high, sinuose warts. Disc 0.5-4 mm wide, apricot orange to brownish red; margin with brown, to 50-170 μ m long, 1-2-rooted hairs; on soil	
	Spores larger and with more conspicuous ornament	

