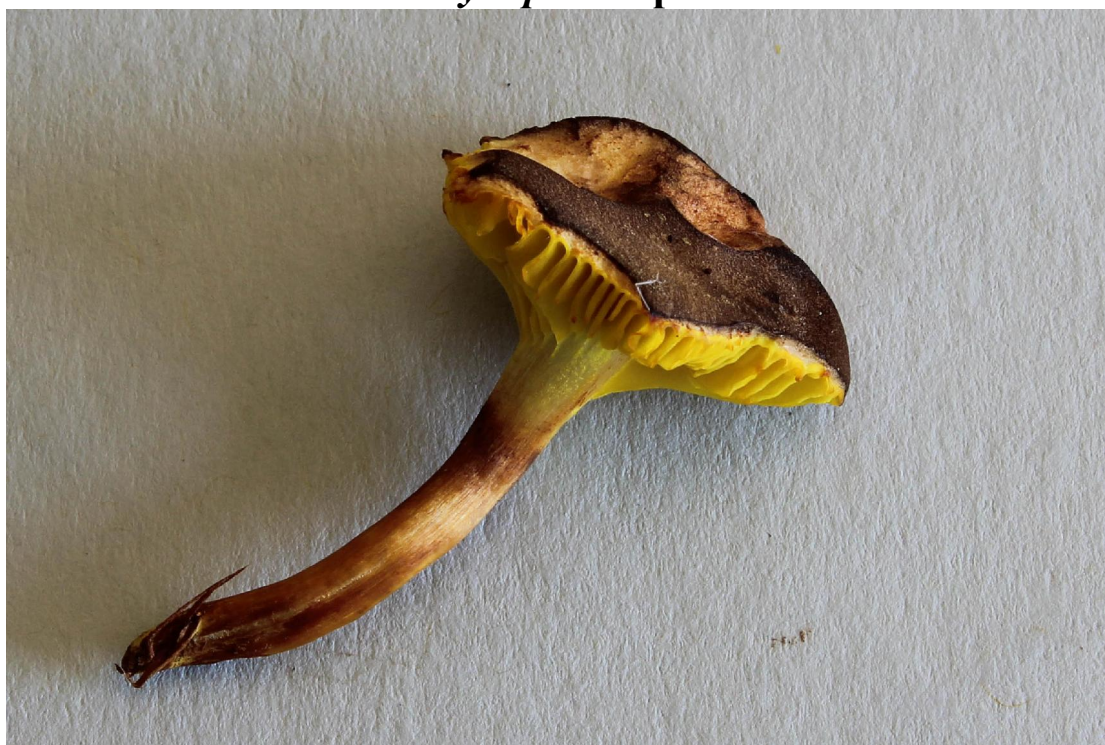


## *Phylloporus* sp 1



*Phylloporus* sp 1 © Pat Leonard

**Cap:** more or less applanate; 30 mm diameter; tomentose; dark brown (7F3)

**Stipe:** cylindrical, tapering towards base; 25 × 3 – 4 mm; glabrous with very fine fibrillose covering; light brown with pale zone at apex.

**Gills:** decurrent, thick; golden yellow; not changing colour on bruising; with a single series of lamellulae, shallow interveining.

**Flesh:** bright yellow, firm, unchanging on exposure to air.

**Taste:** mild.

**Spores:** olivaceous brown; 10.1 – 12.8 × 3.8 – 5.3 µm, average 11.5 ± 0.7 × 4.7 ± 0.4 µm, Q = 1.96 – 2.81, average Q = 2.46 ± 0.25, fusoid; somewhat thick walled.

**Basidia:** clavate with a narrow base; 25 – 30 × 7 – 9 µm, four spored; sterigmata 4 – 5 µm long.

**Pleurocystidia:** very distinctive, clavate, some with a narrow stem at the base; 50 – 70 × 17 – 20 µm, some with golden yellow contents when seen in water, others hyaline.

**Pileipellis:** a trichoderm of cylindrical hyphae 6 – 12 µm wide, with rounded apices and dark brown contents.

**Substrate:** living tree trunk about 20 cm above ground.

**Habitat:** wet eucalypt forest with *Eucalyptus grandis* and *Corymbia conferta*.

**Collections examined:** PL18312, Obi Obi Track, Lake Baroon, Sunshine Coast, Pat Leonard, 12 Mar 2012.

**Notes:** This small *Phylloporus* seems to fit closest to Watling's descriptions for species 1. The large distinctive cystidia are like those in *P. bogoriensis*, but that has a much paler cap and bruises green. *P. leucomyelinus* is close but the cap turns blue green with NH<sub>4</sub>OH and this collection does not.