
Phylloboletelloideae Dentinger, Tremble, Halling, T.W. Henkel & Moncalvo, subfam. nov.

Currently monotypic consisting of the enigmatic Phylloboletellus chloephorus Singer 1952, with a pileate-stipitate-lamellate sporocarp morphology and longitudinally striate spore ornamentation. Known only from a single collection made in non-ectotrophic forest in northwestern Argentina and a few records from Mexico.

Suillelloideae Dentinger, Tremble, Halling, T.W. Henkel & Moncalvo, subfam. nov.

Diverse sporocarp morphologies including gasteroid, secolioid, and pileate-stipitate forms. Many with brightly coloured pigments. Includes many species with coloured pore surfaces, including most of the species of Boletaceae with red pores as typified by Suillellus luridus (Schaeff.) Murrill 1909. Blue-staining pores and flesh common. Contains most species of Boletaceae with membranous partial veils. Globally distributed. All putative ectomycorrhizal symbionts of diverse plants.