

**Cortinarius cobaltinus** KytÄŕvuori, Liimat. & Niskanen, in Kare Liimatainen, Tuula Niskanen, Joseph F Ammirati & Ilkka KytÄŕvuori, , sp.nov.

**IF550239**

Diagnosis. With an ITS sequence (GenBank KF673470) that is distinct from other members of the section Calochroi (subgenus Phlegmacium). With a sister group relationship to *C. caesiocinctus* (GenBank DQ663239, holotype) and deviating from it in the ITS region by eight substitutions and indel positions and macromorphologically by more bluish pileus. In coniferous forests on calcareous ground. Type. FINLAND. Koillismaa: Kuusamo, Oulanka National Park, close to Biological Station, Puukkorinne, herb-rich *Picea abies* forest with some *Pinus*, *Betula* and *Populus* on calcareous ground, 22 Sep 2002, T. Niskanen, I. KytÄŕvuori & K. Liimatainen 02-1012, H6032404 (H, holotype). GenBank No. KF673470. Distribution. Known from northern Europe. Produces fruitbodies in autumn. Etymology. The name refers to the color of the pileus. .

Holotype (H), H6032404.

**Cortinarius ochropallens** Liimat., Niskanen & Ammirati, in Kare Liimatainen, Tuula Niskanen, Joseph F Ammirati & Ilkka KytÄŕvuori, , sp.nov.

**IF550238**

Diagnosis. With an ITS sequence (GenBank KF700241) that is distinct from other species of *Cortinarius* subgenus *Telamonia*. With an isolated position and deviating from the other members of the subgenus in the ITS region by more than 25 substitutions and indel positions. In coniferous forests. Type. U.S.A. Washington: Kittitas County. Table Mountain, subalpine forest, *Abies*, *Picea*, *Pinus*, *Larix*, 47° 15' 09" N, 120° 35' 07" W, 9 Oct 2011, Ammirati & Liimatainen 11-471 (H, holotype). GenBank no. KF700241. Distribution. Known from U.S.A Washington and Canada British Columbia. Producing fruitbodies in autumn. Etymology. The name refers to the color of the pileus. Other specimens examined. Two identical sequences in GenBank. Canada. British Columbia SMIA15 (UBC), GenBank no. FJ039673 as *C. cf. turibulosus*; F16583 (UBC), GenBank no. GQ159917 as *C. sp.* .

Holotype Holotype (H), Ammirati & Liimatainen 11-471 .