



Fig. 1 Representatives of the sections of *C.* subgenus *Telamonia*, "Crown Telamonias", /Squamicybe.
A) *C. flexipes* TN05-015, *C.* sect. *Flexipedes*, **B)** *C. pinisquamulosus* TN05-184 (holotype), *C.* sect. *Sporagniti*
C) *C. heterosporus* TN05-162, *C.* sect. *Heterosporii*, **D)** *C. quercconicus* TN03-1305, *C.* sect. *Ochrovelati*,
E) *C. flexibilifolius* TN12-038, *C.* sect. *Flexibilifolii*, **F)** *C. hinnuleus* TN08-064, *C.* sect. *Hinnulei*,
G) *C. leiocastaneus* TN06-150 (holotype), *C.* sect. *Leiocastanei*, **H)** *C. rubricosus* TN03-1549, *C.* sect. *Rubricosi*.
 Scale bars: A–H=10 mm. Photographs by K. Liimatainen.

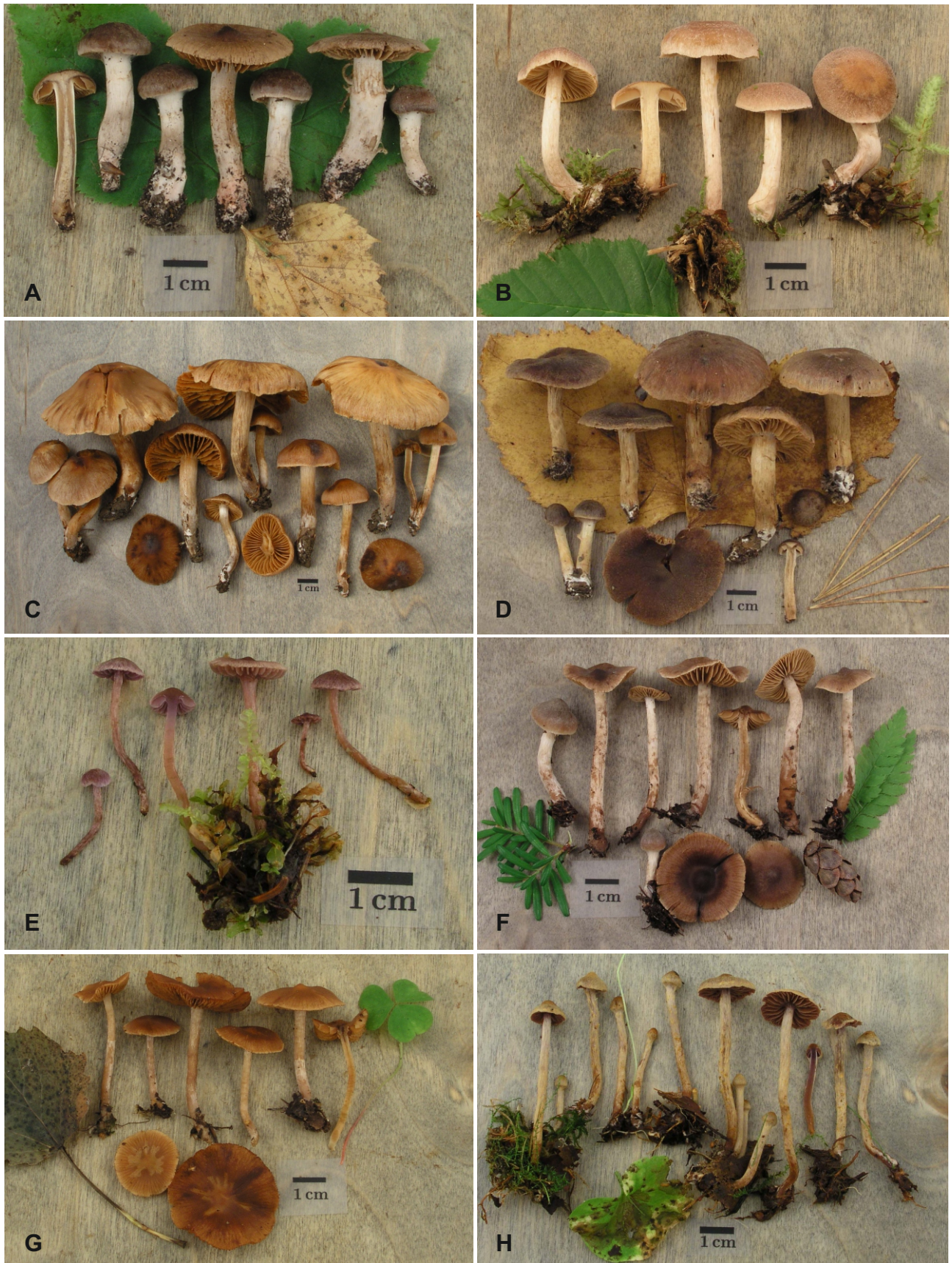


Fig. 2 Representatives of the sections of *C.* subgenus *Telamonia*, "Crown Telamonias", /*Squamicybe*.
A) *C. rubrocinctus* TN12-018, *C.* sect. *Rubrocincti*, **B)** *C. subpaleaceus* TN09-029, *C.* sect. *Paleacei*,
C) *C. incisior* TN04-1041, *C.* sect. *Incisiores*, **D)** *C. gentilissimus* TN10-177, *C.* sect. *Saniosi*,
E) *C. bibulus* TN05-119 (neotype), *C.* sect. *Bibuli*, **F)** *C. sphagnoravus* TN09-051, *C.* sect. *Ravi*,
G) *C. griseocarneus* TN12-055, *C.* sect. *Alnicolarum*, **H)** *C. helvelloides* TN05-002, *C.* sect. *Helvelloides*.
 Scale bars: A–H=10 mm. Photographs by K. Liimatainen.

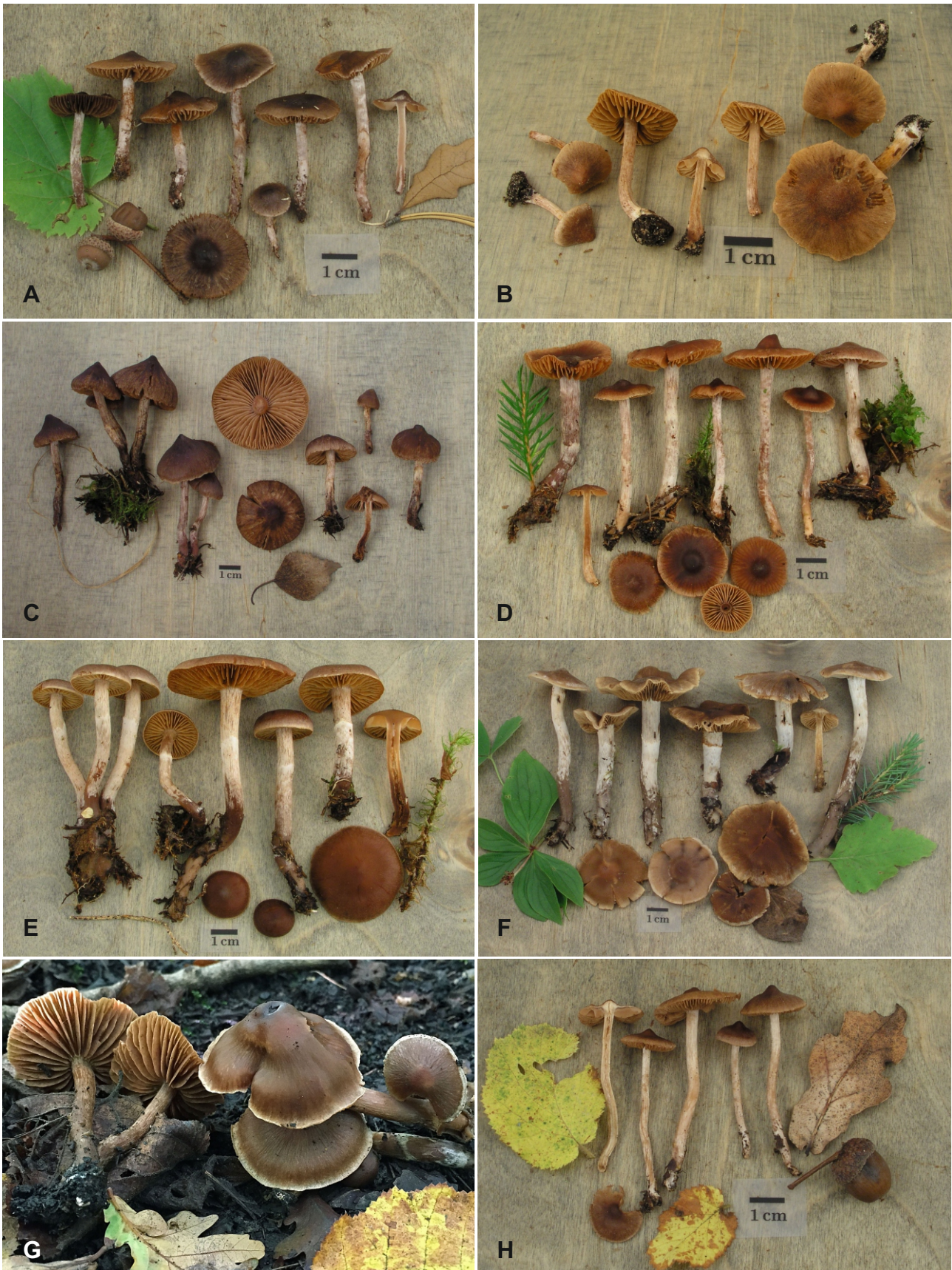


Fig. 3 Representatives of the sections of *C.* subgenus *Telamonia*, "Crown Telamonias", /Erubescens. **A)** *C. vernus* TN12-007, *C.* sect. *Verni*, **B)** *C. nucicolor* TN03-1599 (holotype), *C.* sect. *Nucicolores*, **C)** *C. subcastaneus* TN04-019, *C.* sect. *Caliginosi*, **D)** *C. hirtus* TN06-122, *C.* sect. *Megaspori*, **E)** *C. atroalbus* TN05-112, *C.* sect. *Atroalbi*, **F)** *C. duristipes* TN11-273, *C.* sect. *Duristipedes*, **G)** *C. punctatiformis* AO, *C.* sect. *Punctatiformes*, **H)** *C. praestigiosus* TN12-028 (neotype), *C.* sect. *Praestigiosi*. Scale bars: A–F, H=10 mm. Photographs A–F and H by K. Liimatainen, G by A. Overall.



Fig. 4 Representatives of the sections of *C.* subgenus *Telamonia*, "Crown Telamonias", /Erubescentes and basal clades. **A)** *C. fuscumbrinus* TN04-986 (holotype), *C.* sect. *Friesiorum*, **B)** *C. vinaceobrunneus* JFA13301 (holotype), *C.* sect. *Vinaceobrunnei*, **C)** *C. castaneus* TN12-040, *C.* sect. *Castanei*, **D)** *C.* aff. *parvannulatus* TN06-010, *C.* sect. *Parvuli*, **E)** *C. albosericeus* 05mwb112013, *C.* sect. *Bombycini*, **F)** *C. anthracinus* s. *Funga Nordica* TN05-201, *C.* sect. *Anthracini*, **G)** *C. crassispurus* TN11-175, *C.* sect. *Crassispori*. Scale bars: A, C, D, F, G = 10 mm. Photographs A, C, D, F, and G by K. Liimatainen, B by J.F. Ammirati, E by M. Beug.



Fig. 5 Representatives of the sections of *C.* subgenus *Telamonia*, "Basal Telamonias".

A) *C. saturninus* TN09-208, *C.* sect. *Saturnini*, **B)** *C. politus* JFA13416 (holotype), *C.* sect. *Politi*, **C)** *C. furvus* TN06-320 (holotype), *C.* sect. *Furvi*, **D)** *C. aff. roseivelatus* TN09-155, *C.* sect. *Boulderenses*, **E)** *C. brunneocalcarius* TN10-150 (holotype), *C.* sect. *Brunneocalcari*, **F)** *C. brunneifolius* TN06-146 (holotype), *C.* sect. *Brunneifolii*, **G)** *C. diosmus* TN05-147, *C.* sect. *Urbici*, **H)** *C. rusticus* TN10-025, *C.* sect. *Rustici*. Scale bars: A, C–H = 10 mm. Photographs A, C–H by K. Liimatainen, B by J.F. Ammirati.



Fig. 6 Representatives of the sections of *C.* subgenus *Telamonia*, "Basal Telamonias".
A) *C. laniger* TN05-019 (neotype), *C.* sect. *Lanigeri*, **B)** *C. vinaceogrisescens* 03mwb111913 (holotype),
C. sect. *Exsulares*, **C)** *C. bivelus* TN05-149, *C.* sect. *Athabasci*, **D)** *C. serratissimus* DB5470, *C.* sect. *Sciophylli*,
E) *C. cisqhale* TN12-065, *C.* sect. *Cisqhale*, **F)** *C. phaeosmus* SSt08-064, *C.* sect. *Phaeosmi*,
G) *C. torvus* TN05-225, *C.* sect. *Telamonia*, **H)** *C. traganus* TN07-225, *C.* sect. *Tragani*. Scale bars: A, C, E, G, H =10 mm.
 Photographs A, C, E, G, H by K. Liimatainen, B by M. Beug, D by B. Dima, F by G. Schmidt-Stohn.



Fig. 7 Representatives of the sections of *C. subgenus Telamonia*, "Basal Telamonias".

A) *C. armeniacus* TN09-109, *C. sect. Firmiores*, **B)** *C. malachius* TN06-237, *C. sect. Malachii*,
C) *C. badiolaevis* TN04-960 (holotype), *C. sect. Badiolaeves*, **D)** *C. biformis* TN07-422, *C. sect. Biformes*,
E) *C. glabrellus* TN10-148, *C. sect. Subbalaustini*, **F)** *C. disjungendus* TN04-715, *C. sect. Disjungendi*,
G) *C. scaurotraganoides* DB3117, *C. sect. Pseudotragani*, **H)** *C. ochropallens* FJ039673, *C. sect. Ochropallescentes*.
 Scale bars: A–F=10 mm. Photographs A–F by K. Liimatainen, G by B. Dima, H by J. Friesen and M. Kranabetter.



Fig. 8 Representatives of the sections of *C.* subgenus *Telamonia*, "Basal Telamonias".
A) *C. mattiae* TN04-117, *C.* sect. *Pseudobicolores*, **B)** *C. pallidostriatus* TN08-068, *C.* sect. *Hydrocybe*,
C) *C. evernius* TN05-238, *C.* sect. *Bicolores*, **D)** *C. vilior* TN05-051, *C.* sect. *Viliores*,
E) *C. sejunctifolius* TN04-880, *C.* sect. *Sejunctifolii*, **F)** *C. melleopallens* TN04-325, *C.* sect. *Micro-ornati*,
G) *C. dolabratus* TN09-139, *C.* sect. *Tortuosi*. Scale bars: A–G = 10 mm. Photographs A–G by K. Liimatainen.



Fig. 9 Representatives of the sections of *C. subgenus Telamonia*, "Basal Telamonias".

A) *C. uraceus* TN04-872 (neotype), *C. sect. Uracei*, **B)** *C. colymbadinus* TN10-172, *C. subsect. Colymbadini*, **C)** *C. flavobasilis* CLC2113, *C. subsect. Flavobasiles*, **D)** *C. cinnabarinus* DB2447, *C. subsect. Bulliardii*, **E)** *C. suillonigrescens* TN04-981, *C. sect. Sordescentes*, **F)** *C. fuscoperonatus* DB6150, *C. sect. Fuscoperonati*, **G)** *C. humicola* DB3285, *C. sect. Humicolae*. Scale bars: A, B, E, F=10 mm. Photographs A, B, E by K. Liimatainen, C by C. Cripps, D, F, G by B. Dima.



Fig. 10 Representatives of the sections of *C.* subgenus *Telamonia*, "Basal Telamonias".
A) *C. craticius* TN05-069 (neotype), *C.* sect. *Cratici*, **B)** *C. boreasensis* TN04-590, *C.* sect. *Ionosmi*,
C) *C. raphanoides* TN09-197, *C.* sect. *Brunneotincti*, **D)** *C. pholideus* TN05-023, *C.* sect. *Pholidei*,
E) *C. valgi* SSt05-143, *C.* sect. *Valgi*, **F)** *C. privignipallens* TN05-090, *C.* sect. *Privignati*,
G) *C. alboambitus* TN07-358, *C.* sect. *Alboambiti*, **H)** *C. armillatus* TN04-581, *C.* sect. *Armillati*.
 Scale bars: A–D, F–H=10 mm. Photographs A–D, F–H by K. Liimatainen, E by G. Schmidt-Stohn.



Fig. 11 Representatives of the sections of *C.* subgenus *Telamonia*, "Basal Telamonias".
A) *C. alboglobosus* TN10-060, *C.* sect. *Niveoglobosi*, **B)** *C. bovarius* TN11-188 (holotype), *C.* sect. *Bovini*,
C) *C. terribilis* TN03-1387, *C.* subsect. *Terribiles*, **D)** *C. neofurvolaeus* TN09-181, *C.* subsect. *Furvolaei*,
E) *C. brunneus* TN05-018, *C.* sect. *Brunnei*, **F)** *C. carabus* TN05-140 (holotype), *C.* subsect. *Carabi*,
 Scale bars: A–F=10 mm. Photographs A–F by K. Liimatainen.