**Appendix A: The list of examined specimens**

***Fuscidea lightfootii* (Sm.) Coppins and P. Jame**s

*Specimens examined*: **NORWAY**. Rogaland. Finnøy, Sør-Talgje, Søylå, corticolous on *Alnus glutinosa*, 2 m, 12 Feb. 2011, *J.I. Johnsen* (BG-L-92374; fertile); Finnøy, Sør-Talgje, Østabø, 15–20 m, on *Betula* in pasture, 12 Feb. 2011, *J.I. Johnsen* (BG-L-92376; sterile); Rennesøy, Østhusvik, 100 m, on *Salix caprea* in forest, 7 March 2009, *J.I. Johnsen* (BG-L-87100; fertile); Rennesøy, NW of Vikstemmen, 130 m, on old *Salix aurita* on swampy ground, 26 Aug. 2014, *J.I. Johnsen* (BG-L-96924; fertile); Rennesøy, W of Vikstemmen, 120–130 m, on *Salix aurita*, 26 Aug. 2014, *J.I. Johnsen* (BG-L-96926; fertile); Sokndal, Eikebakka øst, 15 m, on *Salix caprea*, 12 Nov. 2015, *J.I. Johnsen* (BG-L-99466; fertile and sterile); Stavanger, Madlamoen, 12 m, on *Salix aurita*, 24 June 2015, *J.T. Klepsland* *JK15-L277* (BG-L-98608; fertile); Stavanger, W side of Litla Stokkavatnet, 23 m, on *Prunus* in deciduous forest, 23 Jan. 2016, *J.I. Johnsen* (BG-L-99465; sterile); Time, Hadland, 120 m, on *Salix aurita*, 3 Nov. 2015. *J.I. Johnsen* (BG-L-98609; sterile); Vindafjord, between Utbjoa and Innbjoa, Vedvik, W of the stream, between the gravel road and the cabin, 0–5 m, on smooth bark of +/- horizontal branch of solitary, well-lit *Salix caprea* near sea, 10 March 2016, *T. Tønsberg* 46215b (BG-L-99637; fertile); Vindafjord, between Utbjoa and Innbjoa, Vedvik, 59.67019°N 5.63247°E, 0–10 m, corticolous on ± horizontal branch of solitary *Salix caprea*, 27 Oct. 2016, *T. Tønsberg* 47026 (BG-L-100387; fertile); Vindafjord, between Utbjoa and Innbjoa, Vedvik, 59.67019°N 5.63247°E, 0–10 m, corticolous on branch of solitary *Alnus glutinosa*, 27 Oct. 2016, *T. Tønsberg* 47027 (BG-L-100388; fertile); Vindafjord, between Utbjoa and Innbjoa, Vedvik, just W of the stream, 59.66912°N 5.63299°E, 10–15 m, corticolous on fallen branch of *Alnus glutinosa* in stream valley, 27 Oct. 2016, *T. Tønsberg* 47033 (BG-L-100389; fertile). **U.K.** Great Britain. Cleethorpes country park, grid reference 54/307.067, 5 m, on rail of wooden fence, 26 Aug. 2014, *M.R.D. Seaward* (hb. Seaward 118545; sterile); Doveridge, Derbyshire, grid reference 43/11.34, on *Salix*, 18 March 2015, *M.R.D.* *Seaward* (hb. Seaward 118544; fertile).

***Fuscidea pusilla*** **Tønsberg**

*Specimens examined*: **CZECH REPUBLIC**. S Bohemia. Šumava Mts., Volary, Černý Kříž, wet spruce-pine-birch forest near Hučina brook ca 0.5 km E of the railway station, 48.8604167°N 13.8677778°E, 740 m, on dry twigs of young *Picea*, 30 June 2013, *Z. Palice* (PRA16645); W Bohemia. Chocenice-Měcholupy, deciduous forest with dominance of *Fraxinus excelsior* 300 m NE of the top Buková hora Mt. (Chejlava), 49.5341264°N 13.5545767°E, 615 m, on bark of *Fraxinus excelsior*, 5 July 2013, *O. Peksa* (BG-L-100308). **IRELAND**. Co. Kildare, nr Athy, Kilberry bog, grid 21/68.98, on twigs, 6 Jan. 1975, *P. Whelan* (hb. Seaward 102062). Co. Waterford. Mt Congreve, grid 21/532.099, on *Larix*, 31 Dec. 1985, *D. McGrath* (hb. Seaward 109586; fertile). **NORWAY**. Buskerud. Nes, Hallingdalen, W of Dokki, along road to meteor crater, NE bank of river Dokkelva, just downstream from bridge, 60.63017°N 9.04526°E, 300–320 m, on trunk of *Alnus incana* on bank of creek, 18 June 2015, *T. Tønsberg* 44820 (BG-L-98628); Nes, W of Dokki, along road to meteor crater, between the road and river Dokkelva, just downstream from bridge, 60.63007°N 9.04488°E, 300–320 m, on trunk of *Alnus incana* on bank of creek, 18 June 2015, *T. Tønsberg* 44817 (BG-L-98625); Hedmark. Åmot, just S of river Åsta and W of State road 3, uphill from gravel road, 61.0761667°N 11.3453333°E, 240 m, on trunk of *Betula* in *Picea abies* forest, 4 Jun 2011, *T. Tønsberg* 40947 (BG-L-96935); Åmot, just S of river Åsta and W of State road 3, uphill from the gravel road, 61.0761667°N 11.3455000°E, 240 m, on trunk of *Betula* in *Picea abies* forest, 4 June 2011, *T. Tønsberg* 40950 (BG-L-96936); Åmot, N of river Åsta and E of State road 3, at Åsta resting area, in open *Pinus sylvestris* forest with *Betula*, 61.0771667°N 11.3480000°E, 240 m, on trunk of *Betula*, 4 June 2011, *T. Tønsberg* 40952 (BG-L-96937); Åmot, along and just W of State road 3, between Åset and Bechsminne, E-facing, steep, unstable slope near gravel pit and 20 m from busy road (holotype locality), 61.0846667°N 11.3511667°E, 250 m, on trunk of young *Betula*, 4 June 2011, *T. Tønsberg* 40953 (BG-L-96938); Hordaland. Bergen, village Hatlestad, along path to Storenipen, 60.2901333°N 5.3965167°E, 110 m, on *Betula* sp., 6 Sept. 2014, *M. Zahradníková* & *A. Kurz* 54 (BG-L-96927); Bergen, village Hatlestad, along path to Storenipen, 60.2901333°N 5.3964333°E, 110 m, on *Betula* sp., 6 Sept. 2014, *M. Zahradníková* & *A. Kurz* 60 (BG-L-96928); Bergen, village Hatlestad, along path to Storenipen, 60.29010082°N 5.396128°E, 150 m, on *Betula* sp., 6 Sept 2014, *M. Zahradníková* & *A. Kurz* 61 (BG-L-96929); Bergen, village Hatlestad, along path the to Storenipen, 60.2896667°N 5.3953333°E, 110 m, on *Betula* sp., 6 Sept. 2014, *M. Zahradníková* & *A. Kurz* 63 (BG-L-96930); Nordland. Alstahaug, SW of Sandnessjøen city centre, WSW of Sankarskaret, just SE of trail to Oterholt, 65.99564°N 12.53736°E, 30–35 m, on *Betula pubescens* in *Betula* forest with *Filipendula ulmaria* and *Paris quadrifolia*, 17 Aug. 2015, *T. Tønsberg* 45912b (BG-L-98886); Brønnøy, Brønnøy, Hommelstø, along stream from Mølnvatnet, just downhill from road, 65.40300°N 12.54173°E, 5–20 m, on *Betula pubescens* near stream in NNE-facing valley, 22 June 2015, *T. Tønsberg* 44868 (BG-L-98663); Hommelstø, along stream from Mølnvatnet, just downhill from road, 65.40300°N 12.54173°E, 5–20 m, on *Betula pubescens* near creek, 22 July 2015, *T. Tønsberg* 44870 (BG-L-98665); Brønnøy, Hommelstø, downhill from road, 65.40292°N 12.54164°E, 11m, on *Betula pubescens* near creek, 22 June 2015, *T. Tønsberg* 44872 (BG-L-98667); Brønnøy, Hommelstø, along stream from Mølnvatnet, just downhill from road, 65.40300°N 12.54173°E, 5–20 m, on *Betula pubescens* near creek, 22 June 2015, *T. Tønsberg* 44871 (BG-L-98666); Vefsn, E of Forsmovegen, E of the bridge, S of river Komra, just downhill from gravel road, 65.98770°N 13.28163°E, 20 m, on *Alnus incana* near river, 19 Aug. 2015, *T. Tønsberg* 45977 (BG-L-98927); Vefsn, E of Forsmovegen, E of the bridge, S of river Komra, just downhill from gravel road, 65.98770°N 13.28163°E, 20 m, on *Alnus incana* near river, 19 Aug. 2015, *T. Tønsberg* 45978 (BG-L-98928); Vega, Grimsøya, just S of Igerøyveien, NE of Lissbrattåsen, 65.67425°N 12.06286°N, 5–10 m, on trunk of *Betula pubescens* on moist ground with, e.g. *Menyanthes trifoliata*, 12 Aug. 2015, *T. Tønsberg* 45896 (BG-L-98868); Nord-Trøndelag. Snåsa, N of Hammer, along N side of river Leiråa, just upstream from bridge, 64.22080°N 12.04709°E, 60–80 m, on trunks of *Alnus incana* on bank of creek, 20 June 2015, *T. Tønsberg* 44848 (BG-L-98648); Oppland. Øyer, SSE of Bakstad, off and downhill from road to Hafjell just downroad from toll station, along bike road (gravel road) to Lillehammer, 61.20264°N 10.46961°E, 540–560 m, on trunks of *Alnus incana* near small stream, 19 Jun 2015, *T. Tønsberg* 44828 (BG-L-98635); Oslo. Bekkelagshøgda, Åsliveien, 59.8809°N 10.7903°E, 150 m, on *Malus* in a garden, 26 Sept. 2014, *T. Tønsberg* 44680 (BG-L-100189); Bekkelagshøgda, Åsliveien, 59.88085°N 10.79024°E, 150 m, on *Prunus* in a garden, 26 Sep 2014, *T. Tønsberg* 44682 (BG-L-100190); Rogaland. Flekkefjord, 225 m, on *Betula* sp. in coastal uplands, Kleppe, 31 Jan. 2016, *J.I. Johnsen* (BG-L-99464); Rogaland. Sauda, S of Hellandsbygda, W of Storlivatnet, downhill from road, 59.67105°N 6.49508°E, 310–320 m, on trunk of dead *Betula pubescens* in *Betula* forest with boulders, 6 Sept. 2015, *T. Tønsberg* 46007 (BG-L-98953); Sogn og Fjordane. Eid, Nordfjordeid, Stigedalen, just S of the county border, E of the N end of lake Ålflotvatnet, 61.96960°N 6.13057°E, 214–220 m, on trunk of *Salix caprea*, 9 Sept. 2015, *T. Tønsberg* 46043a (BG-L-98949); Eid, Hjelmelandsdalen, SE of river Hjalma, just E of the bridge (Espe), uphill from gravel road, 61.94729°N 5.90005°E, 180–200 m, on trunk(s) of *Alnus incana* in pasture, 12 Sept. 2015, *T. Tønsberg* 46191a (BG-L-99128); Eid, Hjelmelandsdalen, SE of river Hjalma, just E of the bridge (Espe), uphill from gravel road, 61.94729°N 5.90005°E, 180–200 m, on trunk(s) of *Alnus incana* in pasture, 12 Sept. 2015, *T. Tønsberg* 46191b (BG-L-101304); Førde, W of NW part of lake Bekkevatnet, just W of main road, 61.43419°N 5.81696°E, 285–300 m, on trunk of *Betula* at edge of bog with *Equisetum* and *Sphagnum*, 8 Sept. 2015, *T. Tønsberg* 46017 (BG-L-98962); Førde, W of NW part of lake Bekkevatnet, just W of main road, 61.43419°N 5.81696°E, 285–300 m, on trunk of *Alnus incana*, 8 Sept. 2015, *T. Tønsberg* 46018 (BG-L-98963); Førde, W of NW part of lake Bekkevatnet, just downhill from main road, 61.43241°N 5.81864°N, 285–300 m, on *Betula pubescens* near lake, 8 Sept 2015, *T. Tønsberg* 46019 (BG-L-98964); Førde, S of NW part of lake Bekkevatnet, just downhill from main road, 61.43241°N 5.81864°E, 285–300 m, on *Betula pubescens* near lake, 8 Sept. 2015, *T. Tønsberg* 46020 (BG-L-98965); Vågsøy, between lakelets Haugvatnet and Trovatnet, S of river Movasselva, W of the main road, 61.96627°N 5.50717°E, 130–135 m, on trunk of *Betula pubescens*, 12 Sept. 2015, *T. Tønsberg* 46184 (BG-L-99119); Årdal, Tindevegen, 0.5 km (air) N of Høystølen, just uphill from road and along small stream, 61.35262°N 7.75543°E, 562 m, on trunk(s) of *Alnus incana* near stream, 25 June 2015, *T. Tønsberg* 44909 (BG-L-98689); Sør-Trøndelag. Midtre Gauldal, E of Bjørset/Bjerke, E of river Ila and the railroad, along gravel road to hill 472, 62.92321°N 10.15728°E, 360–380 m, on *Alnus incana* near creek, 20 June 2015, *T. Tønsberg* 44844 (BG-L-98644); Midtre Gauldal, E of Bjørset/Bjerke, E of river Ila and the rail road, along gravel road to hill 472, 62.92309°N 10.15721°E, 380–400 m, on trunks of *Alnus incana* on bank of creek, 20 June 2015, *T. Tønsberg* 44846 (BG-L-98646); Rennebu, Kløft bru, 10 m inland from NE bank of river Orkla downstream from bridge, 62.73421°N 9.97798°E, 360 m, on trunk of *Sorbus aucuparia* near creek, 20 June 2015, *T. Tønsberg* 44840 (BG-L-98640); Åfjord, Høydalmoan Nature Reserve, 64.03712°N 10.43801°E, on twig of *Picea abies* at bottom of brook ravine in boreal rain forest, 5 Sept. 2014, *T. Tønsberg* 44614 (BG-L-100198); Telemark. Notodden, along and just E of the road between Notodden Airport and town Bø, E of Reskjemvatnet, just N of gravel road and Notodden/Bø municipality border, 59.52840°N 9.09996°E, 260–280 m, on trunk of *Betula*, 16 May 2015, *T. Tønsberg* 44768 (BG-L-98012); Notodden, between Notodden and Bø, SW of Notodden Airfield, SW of Øygarden, just off Reshjemvegen, between gravel road and stream Teinåa, 59.55646°N 9.16161°E, 205–210 m, on trunk of *Salix caprea* on stream bank, 31 May 2015, *T. Tønsberg* 44774 (BG-L-100191)*.* **POLAND**. Kotlina Sandomierska. Lasy Janowkie, las na N od wsi Łukowica [the forest N from the village Łukowica], suchy bór sosnowy, on *Pinus*, 9 Sept. 1999, *E. Bylińska, B. Krzewicka, M. Seaward* & *L. Śɫiwa* ( hb. Seaward 109347). **U.K.** Great Britain. N of Hennock, Devon, grid reference 20/83.81, on *Salix*, 14 Sept. 1971, *B.J. Coppins, F. Rose* & *B. Ferry* (hb. Seaward 118546; fertile). **U.S.A.** Alaska. Kenai Peninsula Co., Kenai Fjords National Park, nearpark entrance on Exit Glacier Road, floodplain of Resurrection River, 60.19452°N 149.59635°W, 90–100 m, on trunk(s) of *Alnus incana* on floodplain/river bank, 4 July 2015, *T. Tønsberg* 44916 (BG-L-100192); Kenai Peninsula Co., Kenai Fjords National Park, near park entrance on Exit Glacier Road, floodplain of Resurrection River, 60°11.693’N 149°35.809’W, 90–100 m, on horizontal face of trunk of *Alnus incana* in floodplain, m, 4 July 2015, *T. Tønsberg* 44948 (BG-L-100193); Kenai Peninsula Co., Kenai Fjords National Park, near park entrance on Exit Glacier Road, floodplain of Resurrection River, 60°11.693’N 149°35.809’W, 90–100 m, on sloping trunk of *Alnus incana* in floodplain, 4 July 2015, *T. Tønsberg* 44994 (BG-L-100195); Kenai Peninsula Co., Kenai Fjords National Park, near park entrance on Exit 111 Glacier Road, floodplain of Resurrection River, 60°11.693’N 149°35.809’W, 90–100 m, on horizontal face of trunk of *Alnus incana* in floodplain, 4 July 2015, *T. Tønsberg* 44997 (BG-L-100194); Kenai Fjords, Kenai Peninsula Co., Kenai Fjords, Kenai Peninsula Co., Kenai Fjords National Park, near park entrance on Exit Glacier Road, floodplain of Resurrection River, 60°11.711’N 149°35.770’W, 90–100 m, on dead part of trunk of *Alnus incana*, 4 July 2015, *T. Tønsberg* 45022 (BG-L-100196); Lake and Peninsula Co., Kenai Fjords National Park, Exit Glacier Road, near park entrance, on floodplain of Resurrection River, 60°11.367’N 149°37.900’w, 90–100 m, on ‘trunk’ of *Salix*, 4 July 2015, *T. Tønsberg* 45032 (BG-L-100197); Lake and Peninsula Co., Lake Clark National Park, SE of Port Alsworth, Tanalian River, near Tanalian Falls, 60.18411°N 154.26812°W, 130–140 m, on trunk of *Salix*, 9 July 2014, *T. Tønsberg* 43692 (BG-L-100302); Lake Clark National Park, Camel's Hump on shore of Lake Clark ca. 10 km NE of Port Alsworth, 60.2451333°N 154.2173667°W, on *Alnus viridis* at inner edge of lakeshore beach, 14 July 2014, *T. Tønsberg* 44091 (BG-L-100188); Lake & Peninsula Co., Lake Clark National Park, Pickeral Lake, 59.94753°N 154.75753°W, at base of branches of *Salix* shrub just above lakeshore beach, 13 July 2014, *T. Tønsberg* 44983 (BG-L-100200); Lake and Peninsula Borough, Katmai National Park, at NE corner of Tony Malone Lake, 58.4016667°N 156.1325000°W, 80 m, on *Salix* sp. (large shrub), 1 Aug. 2013, *T. Tønsberg* 43042 (BG-L-100199).