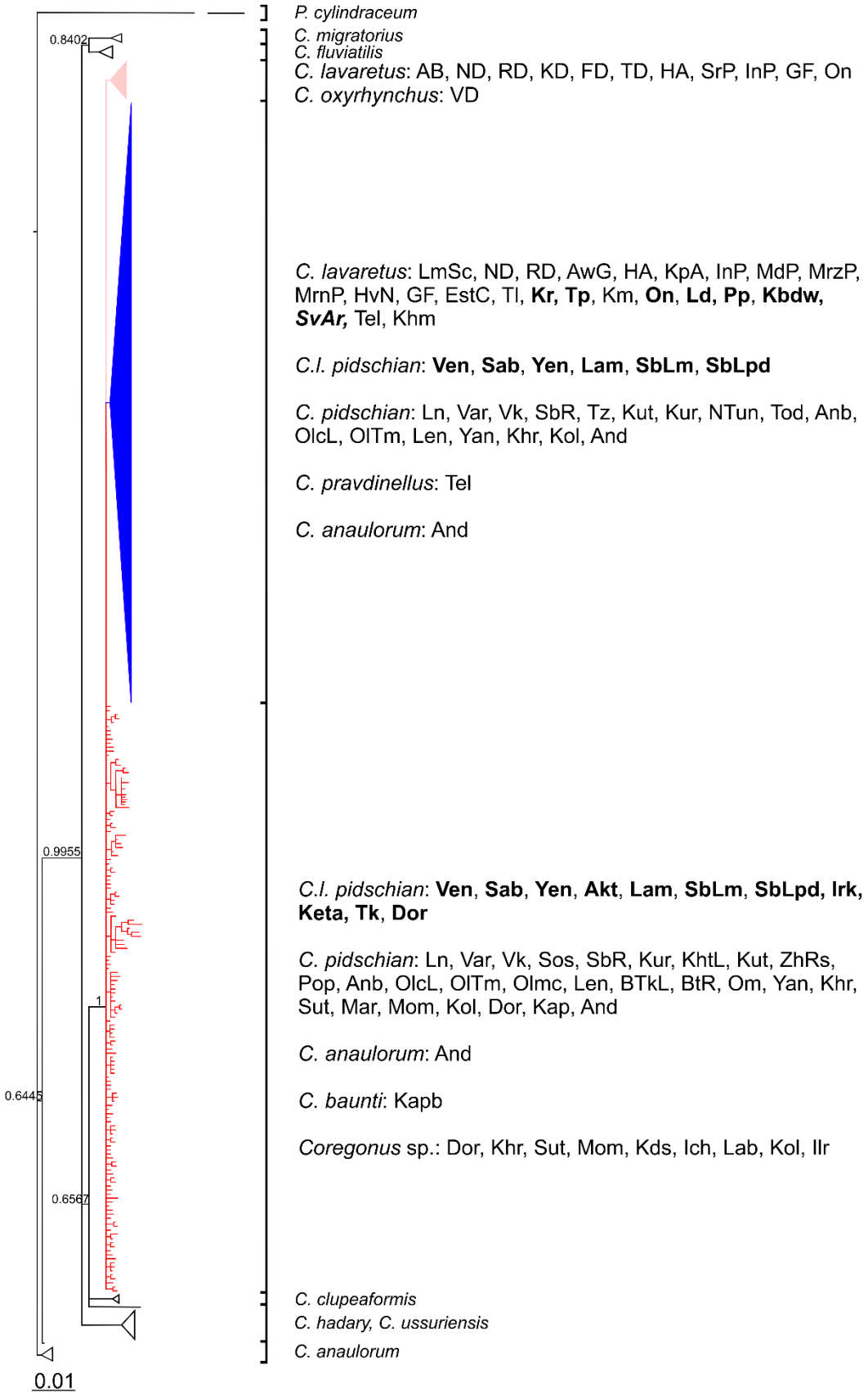

Figure S4. BI consensus gene tree based on the *nd1* gene sequences for whitefish haplotypes. Bayesian posterior probabilities above 0.5 is shown. Scale bar and branch lengths are in expected substitutions per site. Red color designates lineage IW, subclade IW2; pink–lineage IW, subclade IW1; and blue–lineage IIW. Populations' designations: AB–*C. lavaretus* sequence AB034824**;**

ND–Nissum fjord, Denmark; RD–Ringkøbing fjord, Demark; KD–Kilen, Denmark; FD–Lake Flyder, Denmark; TD–Lake Tange, Denmark; HA–Lake Hallstatt, Austria; SrP–Lake Sremski, Poland; InP–Lake Insko, Poland; GF–the Gulf of Finland; On–Lake Onega; VD–Vidaa River, Denmark; LmSc–Loch Lomond, Scotland; AwG–Achterwasser, Germany; KpA–Koppentraun, Austria; MdP–Lake Miedwie, Poland; MrzP–Lake Morzycko, Poland; MrnP–Lake Marianovo; HvN–Havgajávri, Norway; EstC–Estonian coast of the Baltic Sea; Tl–Tuloma River; Kr–Keret' River; Tp–Lake Topozero; Km–Lake Kamennoye; Ld–Lake Ladoga; Pp–Lake Peipus; Kbdw–Lake Kubenskoye, the dwarf form; SvAr–Lake Sevan, Armenia; Tel–Lake Teletskoye; Khm–Khamsara River; Ven–Venujmue-Yakha River; Sab–Sabetta-Yakha River; Yen–Yenisey River; Lam–Lake Lama; SbLm–Lake Sobach'ye, mokchegor; SbLpr–Lake Sobach'ye, predator; Ln–Lake Langtibeito; Var–Lake Varchaty; Vk–Voykar River; SbR–Sob River; Tz–Taz River; Kut–Lake Kutaramakan; Kur–Kureyka River; NTun–Nizhnyaya Tunguska River; Tod–Lake Todzha; Anb–Anabar River; OlcL–Olenek channel of the Lena River; OlTm–Olenek River (settlement of Taymylyr); Len–Lena River; Yan–Yana River; Khr–Khroma River; Kol–Kolyma River; And–Anadyr River; Akt–Ayakhta River; Irk–Irkingda River; Keta–Lake Keta; Tk–Tiksi Bay; Dor–Lake Dorong; Sos–Northern Sosva River; KhL–Lake Khantayskoye; ZhRs–Zakharova Rassokha River; Pop–Popigay River; Olmc–Olenek River (middle course); BTkL–Lake Bolshoye Toko; BtR–Buotoma River; Om–Omoloy River; Sut–Suturuokha River; Mar–Markha River; Mom–Moma River; Kap–Lake Kapylyushi, pidschian; Kapb–Lake Kapylyushi, *C. l. baunti*; Kds–Kuydusun River; Ich–Lake Ichilyakh Lab–Lake Labynkyr; Ilr–Lake Ilirney. Species are named according NCBI sequences' annotations. *P. cylindraceum* is an outgroup. Our samples are denoted by bold tape; additionally, the introduced population of Lake Sevan is denoted by italic type. The species names not considered in detail in this study are indicated by a smaller font size.