

1 Supplement

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Table 15: A list of species represented in this work and their description

Species	Description
<i>Aphia minuta</i>	(Risso, 1810)
<i>Apogon imberbis</i>	(Linnaeus, 1758)
<i>Apogon maculatus</i>	(Poey, 1860)
<i>Babka gymnotrachelus</i>	(Kessler, 1857)
<i>Bathygobius soporator</i>	(Valenciennes, 1837)
<i>Benthophilus abdurahmanovi</i>	Ragimov, 1978
<i>Benthophilus granulosus</i>	Kessler, 1877
<i>Benthophilus mahmudbejovi</i>	Ragimov, 1976
<i>Benthophilus stellatus</i>	(Sauvage, 1874)
<i>Bostrychus sinensis</i>	Lacep��de, 1871
<i>Buenia affinis</i>	Iljin, 1930
<i>Caspiosoma caspium</i>	(Kessler, 1877)
<i>cf Gnatholepis thompsoni</i>	Jordan, 1904
<i>Corcyrogobius liechtensteini</i>	(Kolombatovic, 1891)
<i>Corcyrogobius lubbocki</i>	Miller, 1988
<i>Coryogalops anomolus</i>	Smith, 1958
<i>Crystallogobius linearis</i>	(D��uben, 1854)
<i>Deltentosteus collonianus</i>	(Risso, 1820)
<i>Didogobius splechtnai</i>	Ahnelt&Patzner, 1995
<i>Didogobius wirtzi</i>	Schlieven&Kova��c��, 2008
<i>Eleotris fusca</i>	(Forster, 1801)
<i>Gammogobius steinitzi</i>	Bath, 1971
<i>Gnatholepis cauerensis</i>	(Bleeker, 1853)
<i>Gnatholepis thompsoni</i>	Jordan, 1904
<i>Gobioides broussonnetii</i>	Lacep��de, 1800
<i>Gobioides peruanus</i>	(Steindachner, 1880)
<i>Gobius ateriformis</i>	Brito&Miller, 2001
<i>Gobius auratus</i>	Risso, 1810

<i>Gobius buccichii</i>	Steindachner, 1870
<i>Gobius cobitis</i>	Pallas, 1814
<i>Gobius couchii</i>	Miller&El-Tawil, 1974
<i>Gobius cruentatus</i>	Gmelin, 1789
<i>Gobius fallax</i>	Sarato, 1889
<i>Gobius gasteveni</i>	Miller, 1974
<i>Gobius geniporus</i>	Valenciennes, 1837
<i>Gobius incognitus</i>	Kovačić&Šanda, 2016
<i>Gobius kolombatovici</i>	Kovačić&Miller, 2000
<i>Gobius niger</i>	Linnaeus, 1757
<i>Gobius paganellus</i>	Linnaeus, 1758
<i>Gobius roulei</i>	de Buen, 1928
<i>Gobius tetraphthalmus</i>	Brito&Miller, 2001
<i>Gobius vittatus</i>	Vinciguerra, 1883
<i>Gobius xanthocephalus</i>	Heymer&Zander, 1992
<i>Gobiulus flavesiensis</i>	(Fabricius, 1779)
<i>Gorogobius nigricinctus</i>	(Delais, 1951)
<i>Gymnogobius petschiliensis</i>	(Rendahl, 1924)
<i>Chromogobius britoi</i>	van Tassel, 2001
<i>Chromogobius quadripectatus</i>	(Steindachner, 1863)
<i>Chromogobius zebratus</i>	(Kolombatovic, 1891)
<i>Knipowitschia caucasica</i>	(Berg, 1916)
<i>Knipowitschia croatica</i>	Mrakovčić, Kerovec, Misetic & Schneider, 1996
<i>Knipowitschia montenegrina</i>	Kovačić & Šanda, 2007
<i>Knipowitschia mrakovcici</i>	Miller, 2009
<i>Knipowitschia panizzae</i>	(Verga, 1841)
<i>Knipowitschia punctatissima</i>	(Canestrini, 1846)
<i>Knipowitschia radovici</i>	Kovačić, 2005
<i>Lessueurigobius friesii</i>	(Malm, 1874)
<i>Lesuerigobius sanzi</i>	(de Buen, 1918)
<i>Mauligobius maderensis</i>	(Valenciennes, 1873)
<i>Mesogobius batrachocephalus</i>	(Pallas, 1814)
<i>Micropercops swinhonis</i>	(Günther, 1873)
<i>Millerigobius macrocephalus</i>	(Kolombatovic, 1891)
<i>Neogobius caspius</i>	(Eichwald, 1831)
<i>Neogobius fluviatilis</i>	(Pallas, 1814)
<i>Neogobius melanostomus</i>	(Pallas, 1814)
<i>Neogobius pallasi</i>	(Berg, 1916)
<i>Odondebuenia balearica</i>	(Pellegrin & Fage, 1907)
<i>Odontobutis obscura</i>	(Temminck & Schlegel, 1845)
<i>Odontobutis potamophila</i>	(Günther, 1861)
<i>Oxyeleotris lineolata</i>	(Steindachner, 1867)
<i>Padogobius bonelii</i>	(Bonaparte, 1846)
<i>Padogobius nigricans</i>	(Canestrini, 1867)

<i>Pomatoschistus bathi</i>	Miller, 1982
<i>Pomatoschistus canestrini</i>	(Ninni, 1833)
<i>Pomatoschistus knerii</i>	(Steindachner, 1861)
<i>Pomatoschistus minutus</i>	(Pallas, 1770)
<i>Pomatoschistus pictus</i>	(Malm, 1865)
<i>Pomatoschistus quagga</i>	(Heckel, 1837)
<i>Pomatoschistus tortonesei</i>	Miller, 1969
<i>Ponticola cephalargooides</i>	(Pinchuk, 1976)
<i>Ponticola constructor</i>	(Nordmann, 1840)
<i>Ponticola cyrius</i>	(Kessler, 1874)
<i>Ponticola eurycephalus</i>	(Kessler, 1874)
<i>Ponticola gorlap</i>	(Illjin, 1949)
<i>Ponticola kessleri</i>	(Günther, 1861)
<i>Ponticola platyrorstris</i>	(Pallas, 1814)
<i>Ponticola ratan</i>	(Nordmann, 1840)
<i>Ponticola rhodionis</i>	(Vasil'eva & Vasil'ev, 1994)
<i>Ponticola syrman</i>	(Nordmann, 1840)
<i>Proterorhinus marmoratus</i>	(Pallas, 1814)
<i>Proterorhinus semilunaris</i>	(Heckel, 1837)
<i>Proterorhinus semipellucidus</i>	(Kessler, 1863)
<i>Pseudoaphya ferreri</i>	(de Buen & Fage, 1908)
<i>Rhyacichthys aspro</i>	(Valenciennes, 1837)
<i>Speleogobius trygloides</i>	Zander & Jelinek, 1976
<i>Sufflogobius bibarbatus</i>	(von Bonde, 1923)
<i>Thorogobius ephippiatus</i>	(Lowe, 1839)
<i>Thorogobius macrolepis</i>	(Kolombatovic, 1891)
<i>Vanneaugobius dollfusi</i>	Brownell, 1978
<i>Vanneaugobius canariensis</i>	Van Tassel, Miller & Brito, 1988
<i>Wheelerigobius wirtzi</i>	Miller, 1988
<i>Zebrus zebrus</i>	(Risso, 1827)
<i>Zosterisessor ophiocephalus</i>	(Pallas, 1814)

Table 16: Mean genetic distances (p-distance) on cyt b within the *Gobius*-lineage (%)

<i>Cyprinodon_possum</i>	
<i>Negropis_fuscella</i>	28%
<i>Potamotinus_senilis</i>	32% 31%
<i>Benthophilus_gobiofasciatus</i>	37% 30% 36%
<i>Benthophilus_granulosus</i>	36% 29% 37% 5%
<i>Benthophilus_marmoreoalbus</i>	37% 29% 36% 6% 7%
<i>Benthophilus_stellatus</i>	37% 29% 37% 8% 15% 1%
<i>Negropis_possum</i>	22% 15% 27% 27% 27% 27%
<i>Negropis_melanostomus</i>	26% 19% 32% 31% 32% 30% 13%
<i>Negropis_culifer</i>	30% 11% 36% 35% 32% 32% 16% 17%
<i>Bathygobius_gammareus</i>	29% 31% 22% 29% 30% 30% 29% 32% 30%
<i>Potamotinus_marmoratus</i>	35% 33% 35% 36% 36% 35% 35% 35% 25%
<i>Potamotinus_ambassis</i>	35% 30% 4% 37% 35% 37% 27% 31% 32% 22% 17%
<i>Mesogobius_batrachocephalus</i>	35% 31% 21% 35% 35% 35% 28% 34% 35% 21% 22% 15%
<i>Ponticola_cypriargoides</i>	30% 28% 29% 28% 21% 32% 27% 29% 13% 29% 29% 22%
<i>Ponticola_constructor</i>	32% 29% 29% 32% 33% 32% 14% 24% 29% 29% 29%
<i>Ponticola_cyrinus</i>	32% 27% 29% 30% 31% 32% 33% 29% 30% 29% 29% 29%
<i>Ponticola_suvorovi</i>	30% 29% 29% 32% 31% 32% 34% 26% 34% 30% 10% 11% 9%
<i>Ponticola_caspicus</i>	30% 31% 29% 32% 33% 34% 28% 34% 31% 14% 29% 29% 10% 5%
<i>Ponticola_caspius</i>	29% 30% 29% 32% 31% 32% 34% 27% 31% 22% 12% 10% 5%
<i>Ponticola_dileptodus</i>	31% 29% 29% 31% 35% 37% 34% 27% 29% 31% 10% 7% 2% 5%
<i>Ponticola_stagnalis</i>	31% 32% 27% 32% 39% 37% 31% 15% 27% 22% 12% 14% 14% 14%
<i>Ponticola_rhodion</i>	31% 30% 29% 31% 33% 33% 28% 31% 29% 29% 31% 34% 10% 12% 14%
<i>Ponticola_gymnus</i>	31% 29% 29% 32% 31% 33% 29% 24% 26% 22% 10% 10% 10% 12% 10%
<i>Wheelerigobius_wirtzi</i>	40% 36% 35% 34% 34% 35% 35% 35% 35% 34% 38% 32% 35% 35% 35% 34%
<i>Sufflamen_bimaculatus</i>	36% 38% 40% 35% 34% 35% 35% 32% 35% 35% 38% 37% 37% 37% 35% 32%
<i>Gnathophis_tigrinus</i>	42% 41% 40% 40% 38% 37% 44% 40% 47% 41% 40% 45% 42% 41% 40% 39%
<i>Pedogobius_nigripectus</i>	27% 18% 30% 29% 29% 30% 30% 18% 17% 29% 31% 29% 30% 29% 29% 29%
<i>Pedogobius_pocelli</i>	37% 32% 47% 38% 40% 47% 47% 32% 35% 37% 37% 37% 37% 37% 37% 37%
<i>Gobius_paganellus</i>	32% 30% 42% 33% 33% 33% 33% 32% 35% 35% 41% 37% 37% 37% 37% 37%
<i>Gobius_caudalis</i>	42% 41% 47% 37% 42% 41% 41% 41% 41% 41% 41% 42% 42% 42% 41% 39%
<i>Gobius_caudalis</i>	31% 29% 38% 32% 31% 30% 31% 28% 30% 32% 33% 34% 30% 32% 32% 30% 34%
<i>Gobius_junonis</i>	39% 38% 41% 38% 39% 40% 35% 37% 38% 43% 40% 41% 39% 38% 39% 38% 35%
<i>Gobius_tetox</i>	39% 30% 41% 39% 39% 39% 39% 43% 40% 41% 37% 39% 39% 39% 39% 39% 1%
<i>Gobius_venterophthalmus</i>	39% 41% 44% 39% 39% 37% 39% 36% 39% 44% 42% 39% 36% 37% 39% 39% 39%
<i>Gobius_couchi</i>	47% 39% 47% 44% 44% 42% 37% 35% 35% 47% 42% 42% 42% 42% 44% 42% 37%
<i>Gobius_tigris</i>	44% 37% 47% 41% 41% 42% 42% 44% 45% 47% 42% 42% 42% 42% 41% 42% 37%
<i>Gobius_garmani</i>	44% 37% 47% 41% 41% 37% 40% 47% 47% 47% 37% 37% 37% 37% 37% 37% 37%
<i>Gobius_kolombatovici</i>	36% 34% 40% 37% 38% 38% 38% 40% 35% 35% 36% 36% 37% 37% 37% 37% 36%
<i>Gobius_buchholzi</i>	40% 37% 44% 39% 41% 40% 41% 37% 42% 44% 41% 41% 41% 41% 39% 39% 39%
<i>Gobius_magistrus</i>	39% 35% 44% 39% 39% 37% 37% 45% 37% 35% 39% 37% 37% 37% 37% 37% 37%
<i>Gobius_cruentatus</i>	45% 37% 47% 44% 44% 42% 44% 40% 39% 44% 51% 49% 49% 49% 49% 49% 37%
<i>Malligobius_maderensis</i>	32% 27% 40% 33% 32% 33% 33% 29% 32% 32% 39% 30% 32% 32% 32% 32% 33%
<i>Thorogobius_ephippiatus</i>	35% 33% 37% 35% 36% 37% 35% 37% 35% 37% 35% 37% 35% 37% 35% 37% 35%
<i>Thorogobius_macrolepis</i>	37% 36% 45% 37% 37% 37% 37% 35% 47% 44% 37% 37% 37% 37% 37% 37% 37%
<i>Zaniolepis_sibirica</i>	40% 40% 40% 40% 40% 40% 40% 40% 40% 40% 40% 40% 40% 40% 40% 40% 40%
<i>Gobius_vittatus</i>	36% 34% 47% 39% 39% 39% 39% 39% 39% 39% 39% 39% 39% 39% 39% 39% 39%
<i>Zosteressus_sphoerophorus</i>	41% 38% 42% 41% 40% 39% 38% 39% 42% 39% 37% 36% 35% 35% 35% 35% 35%
<i>Gymnogobius_janthe</i>	42% 37% 44% 44% 42% 44% 40% 40% 40% 40% 40% 40% 40% 40% 40% 40% 40%
<i>Oxygobius_leptenteron</i>	44% 44% 50% 45% 50% 45% 44% 45% 45% 45% 45% 45% 45% 45% 45% 45% 45%
<i>Chromogobius_bifasciatus</i>	53% 45% 50% 53% 52% 53% 49% 49% 50% 50% 51% 49% 49% 49% 49% 49% 50%
<i>Chromogobius_ip</i>	49% 49% 53% 49% 50% 49% 49% 49% 50% 51% 50% 49% 49% 49% 49% 49% 50%
<i>Chromogobius_splendens</i>	47% 49% 47% 53% 49% 49% 50% 51% 51% 50% 49% 49% 49% 49% 49% 49% 50%
<i>Chromogobius_squamifrons</i>	52% 50% 54% 53% 52% 51% 49% 49% 49% 49% 49% 49% 49% 49% 49% 49% 50%
<i>Odondebuenia_bifasciata</i>	39% 38% 44% 44% 41% 42% 38% 47% 47% 47% 47% 47% 47% 47% 47% 47% 47%
<i>Gobius_cottoides</i>	40% 39% 40% 40% 39% 39% 40% 40% 39% 40% 40% 40% 40% 40% 40% 40% 39%
<i>Venustogobius_carenatus</i>	39% 38% 41% 38% 37% 35% 34% 34% 35% 35% 35% 35% 35% 35% 35% 35% 35%
<i>Venustogobius_dolosus</i>	35% 35% 42% 36% 36% 34% 34% 34% 35% 35% 35% 35% 35% 35% 35% 35% 35%
<i>Millerigobius_microcephalus</i>	43% 43% 45% 43% 42% 42% 41% 41% 41% 41% 41% 41% 41% 41% 41% 41% 41%

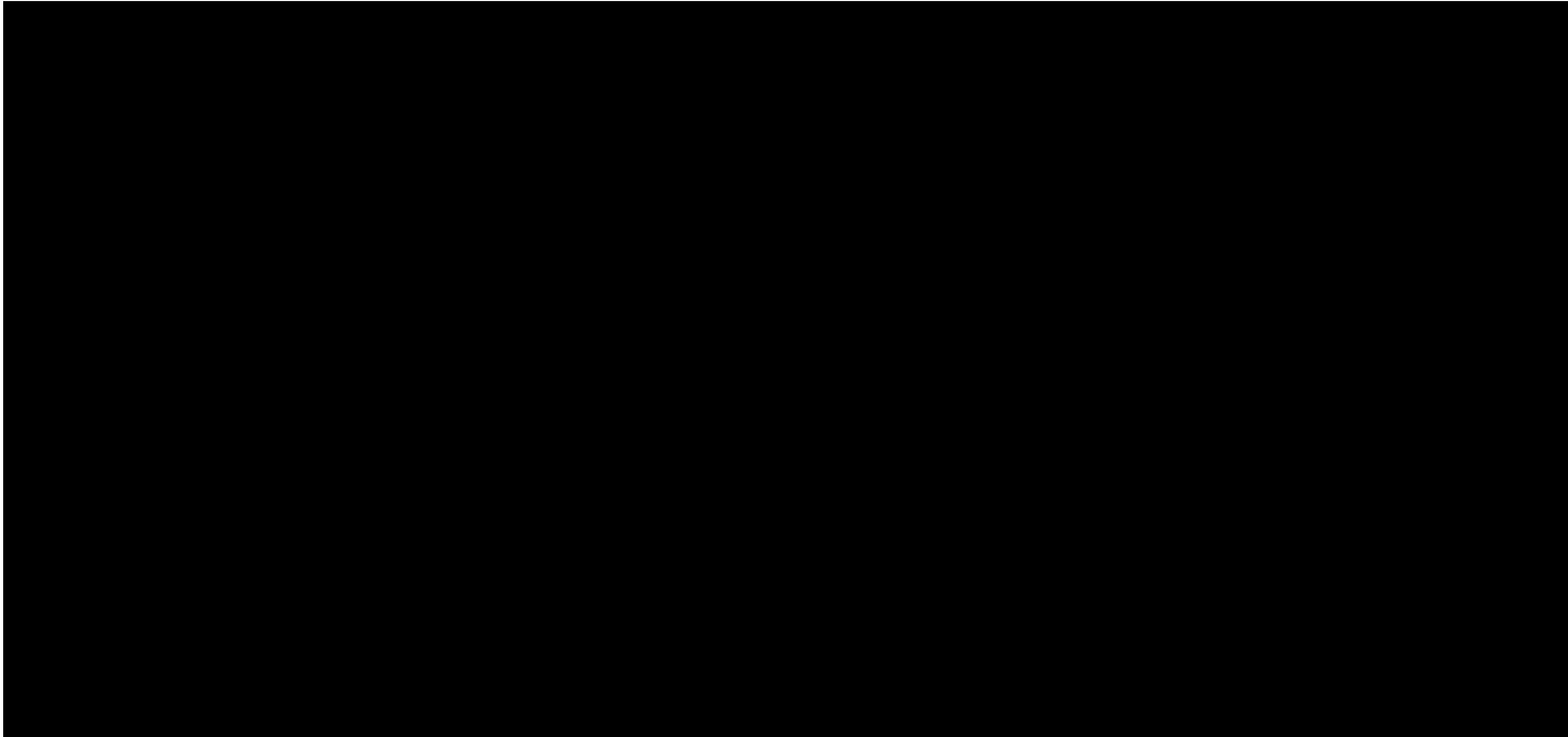


Table 18: Mean genetic distances (p-distance) on *Rh* within the Gobius-lineage

