|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Supplementary Table S1. Taxon sampling (A. *Peltigera* section *Polydactylon*; B. *Peltigera*, other sections; C. other genera) with associated voucher information or published source; including mycobiont and cyanobiont sequences for each specimen used in this study. When applicable, the cyanobiont *rbc*LX phylogroup (roman numbering) and/or haplotype (number preceded by HT) is specified. GenBank accession numbers in bold indicate newly generated sequences, whereas GB identification numbers refer to published sequences. For most *rbc*LX sequences of cyanobionts, the species names of the mycobiont or plant partners are provided, when available. For cyanobacteria that are free living or from unknown sources, the name of the cyanobiont is provided in the taxon column. An Asterisk after a taxon name indicates that only one representative *Nostoc* sequence from a haplotype known to associate with several mycobiont species was selected from the haplotype networks generated by O'Brien et al. (2013). In theses cases, we provided the species name of the mycobiont associated with the *Nostoc* sequence we selected, without including all other mycobiont species known to associate with this *Nostoc* haplotype. For the complete set of mycobiont species associated with each *Nostoc* haplotypes and phylogroups, see Figure 4, and O'Brien et al. (2013). | | | | | | | | | |
| Taxon | DNA Number | Voucher/Published source | ITS | LSU | *RPB1* | ß-tubulin | *EFT* 2.1 | *rbc*LX | *rbc*LX phylogroup or haplotype |
| **A. *Peltigera* section *Polydactylon*** |  |  |  |  |  |  |  |  |  |
| *P. dolichorhiza* | P894 | Bolivia; M. Kukwa 9232; UGDA-17709 | KX897177 | -- | -- | -- | -- | KX922884 | HT33 |
| *P. dolichorhiza* | P29 | Costa Rica; J. Miadlikowska et al. s.n.; DUKE | KX897178 | -- | -- | -- | -- | KX922885 | HT42 |
| *P. dolichorhiza* | P893 | Bolivia; M. Kukwa 9740; UGDA-17730 | KX897179 | KX869750 | KX880192 | KX880092 | KX897456 | KX922886 | V |
| *P. dolichorhiza* | N999 | Reunion Island; N. Magain & E. Sérusiaux s.n.; LG | KX897180 | KX869751 | KX880193 | KX880093 | KX897457 | KX922887 | XIX |
| *P. dolichorhiza* | P28 | Costa Rica; J. Miadlikowska et al. s.n.; DUKE | KX897181 | KX869752 | KX880194 | KX880094 | KX897458 | KX922888 | XIXa |
| *P. dolichorhiza* | P348 | Mexico; M. A. Herrera-Campos 13382; MEXU | KX897182 | 666666866 | 666667205 | 666666969 | 666667081 | KX922889 | XIXb |
| *P. dolichorhiza* | P879 | Rwanda; E. Sérusiaux PA7; LG | KX897183 | -- | -- | -- | -- | KX922890 | XIXb |
| *P. dolichorhiza* | N1942 | Panama; B. Goffinet 753; CONN | KX897184 | KX869753 | KX880195 | KX880095 | KX897459 | KX922891 | XIXc |
| *P. dolichorhiza* | P1574 | Brazil, Minas Gerais; J. Miadlikowska et al. s.n.; CGMS-34450 | KX897185 | -- | -- | -- | -- | KX922892 | XIXd |
| *P. dolichorhiza* | P355 | Mexico; M. A. Herrera-Campos 135; MEXU | KX897186 | -- | -- | -- | -- | KX922893 | XIXd |
| *P. dolichorhiza* | P1596 | Brazil, Minas Gerais; J. Miadlikowska et al. s.n.; CGMS-34453 | KX897187 | KX869754 | KX880196 | KX880096 | KX897460 | -- | N/A |
| *P. dolichorhiza* 2 | P1567 | Brazil, Minas Gerais; J. Miadlikowska et al. s.n.; CGMS-34530 | KX897188 | KX86975 | KX880197 | KX880097 | KX897461 | KX922894 | XIXc |
| *P. dolichorhiza* 2 | P1575 | Brazil, Minas Gerais; J. Miadlikowska et al. s.n.; CGMS-34456 | KX897189 | -- | -- | -- | -- | KX922895 | XIXd |
| *P. "hawaiensis"* | P1236 | USA, Hawaii; B. McCune 22196; McCune Private Coll. | KX897190 | KX869756 | -- | KX880098 | -- | KX922896 | XIX |
| *P. hymenina* | P430 | Canada, Newfoundland; J. Lendemer 10397; H | KX897191 | KX869757 | KX880198 | KX880099 | KX897462 | KX922897 | VIIIb |
| *P. hymenina* | N357 | Spain, Tenerife; E. Sérusiaux s.n.; LG | KX897192 | KX869758 | KX880199 | KX880100 | KX897463 | KX922898 | XIXb |
| *P. hymenina* | N2054 | Norway; H. Bratli 4604; O-65885 | KX897193 | -- | -- | -- | -- | KX922899 | XVI |
| *P. hymenina* | P1214 | USA, Oregon; D. Kofranek 3729; McCune Private Coll. | KX897194 | -- | -- | -- | -- | KX922900 | XVI |
| *P. hymenina* | P1226 | USA, Oregon; B. McCune 26281; McCune Private Coll. | KX897195 | -- | -- | -- | -- | KX922901 | XVI |
| *P. hymenina* | P516 | Portugal, Azores; E. Sérusiaux s.n.; LG | KX897196 | KX869759 | KX880200 | -- | KX897464 | KX922902 | XVI |
| *P. hymenina* | P517 | Portugal, Azores; E. Sérusiaux s.n.; LG | KX897197 | -- | -- | -- | -- | KX922903 | XVI |
| *P. hymenina* | P539 | Norway; N. Magain s.n.; LG | KX897198 | KX869760 | KX880201 | KX880101 | KX897465 | KX922904 | XVI |
| *P. hymenina* | P7 | Iceland; J. Miadlikowska et al. s.n. 12540; DUKE | KX897199 | -- | -- | -- | -- | KX922905 | XVI |
| *P. hymenina* | P80 | Iceland; T. Ahti 69347; H | KX897200 | KX869761 | KX880202 | KX880102 | KX897466 | KX922906 | XVI |
| *P. hymenina* | P851 | Iceland; H. G. Kristinsson 48978; AMNH-28943 | KX897201 | -- | -- | -- | -- | KX922907 | XVI |
| *P. hymenina* | P870 | Denmark; V. Alstrup s.n.; H | KX897202 | -- | -- | -- | -- | KX922908 | XVI |
| *P. hymenina* | P871 | Portugal, Azores; F. Rodriguez 0106/2010-66; B-600173049 | KX897203 | -- | -- | -- | -- | KX922909 | XVI |
| *P. hymenina* | P872 | Portugal, Azores; F. Rodriguez 0106/2010-67; B-600173186 | KX897204 | -- | -- | -- | -- | KX922910 | XVI |
| *P. hymenina* | P1229 | USA, Oregon; B. McCune 30448; McCune Private Coll. | KX897205 | KX869762 | KX880203 | KX880103 | KX897467 | KX922911 | XVII |
| *P. hymenina* | P1247 | Canada, British Columbia; C. Björk 17053; UBC | KX897206 | -- | -- | -- | -- | KX922912 | XVII |
| *P. hymenina* | P1799 | Portugal, Azores; D. Upreti 6915a; MAF | KX897207 | KX869763 | KX880204 | KX880104 | KX897468 | -- | N/A |
| *P. hymenina* | P1903 | Portugal, Azores; D. Upreti 6916s; MAF | KX897208 | KX869764 | KX880205 | KX880105 | -- | -- | N/A |
| *P. macra* | P416 | Philippines; L. A. Ejem; H | KX897209 | -- | -- | -- | -- | KX922913 | XII |
| *P. melanorrhiza* | P515 | Portugal, Azores; E. Sérusiaux s.n.; LG | KX897210 | KX869765 | KX880206 | -- | KX897469 | KX922914 | XVI |
| *P. melanorrhiza* | P1798 | Portugal, Azores; D. Upreti 6918b; MAF | KX897211 | KX869766 | KX880207 | KX880106 | KX897470 | -- | N/A |
| *P. nana* 1 | P1281 | China, Yunnan; J. Miadlikowska s.n.; DUKE | KX897212 | KX869767 | KX880208 | -- | -- | KX922915 | HT45 |
| *P. nana* 1 | P1666 | Japan, Kochi; G. Thor 21255; UPS-383534 | KX897213 | KX869768 | KX880209 | -- | -- | KX922916 | VIIc |
| *P. nana* 1 | P1282 | China, Yunnan; J. Miadlikowska s.n.; DUKE | KX897214 | -- | -- | -- | -- | KX922917 | XII |
| *P. nana* 1 | P1665 | China, Sichuan; N. Gustavsson 10; UPS-509502 | KX897215 | KX869769 | KX880210 | -- | -- | KX922918 | XII |
| *P. nana* 1 | P1290 | China, Yunnan; J. Miadlikowska s.n.; DUKE | KX897216 | KX869770 | KX880211 | -- | -- | -- | N/A |
| *P. nana* 2 | P609 | New Zealand; S. Stenroos 6037; H | KX897217 | KX869771 | KX880212 | -- | KX897471 | KX922919 | HT37 |
| *P. neopolydactyla* | GB | Canada, British Columbia; O'Brien et al. 2013 | -- | -- | -- | -- | -- | 455476535 | HT24 |
| *P. neopolydactyla* | GB | USA; O'Brien et al. 2005 | -- | -- | -- | -- | -- | 82470991 | VIIa |
| *P. neopolydactyla* | GB | Finland; Stenroos et al. 2006 | -- | -- | -- | -- | -- | 82779968 | VIIa |
| *P. neopolydactyla* | GB | Canada, Québec; O'Brien et al. 2013 | -- | -- | -- | -- | -- | 455476637 | VIIa |
| *P. neopolydactyla* | GB | Canada, Québec; O'Brien et al. 2013 | -- | -- | -- | -- | -- | 455476631 | XIa |
| *P. neopolydactyla* | GB | Finland; Myllys et al. 2007 | -- | -- | -- | -- | -- | 119690877 | XIII |
| *P. neopolydactyla* | GB | China; O'Brien et al. 2013 | -- | -- | -- | -- | -- | 455476643 | N/A |
| *P. neopolydactyla* | GB | China; O'Brien et al. 2013 | -- | -- | -- | -- | -- | 455476649 | X |
| *P. neopolydactyla* | GB | Finland; Myllys et al. 2007 | -- | -- | -- | -- | -- | 119690880 | N/A |
| *P. neopolydactyla* 1 | P67 | USA, North Carolina; J. Hollinger 2732; DUKE | KX897218 | -- | -- | -- | -- | KX922920 | VIIb |
| *P. neopolydactyla* 1 | N1944 | USA, Alaska; B. Goffinet 9424; CONN | KX897219 | KX869772 | KX880213 | KX880107 | KX897472 | KX922921 | VIIa |
| *P. neopolydactyla* 1 | P309 | Canada, Québec; J. Miadlikowska et al. s.n.; DUKE | KX897220 | KX869773 | KX880214 | KX880108 | KX897473 | KX922922 | VIIa |
| *P. neopolydactyla* 1 | P411 | Russia, Yakutia; T. Ahti 65064; H | KX897221 | KX869774 | KX880215 | KX880109 | -- | KX922923 | VIIa |
| *P. neopolydactyla* 1 | P844 | Norway; N. Magain s.n.; LG | KX897222 | -- | -- | -- | -- | KX922924 | VIIa |
| *P. neopolydactyla* 1 | P845 | Norway; N. Magain s.n.; LG | KX897223 | KX869775 | KX880216 | KX880110 | KX897474 | KX922925 | VIIa |
| *P. neopolydactyla* 1 | N1939 | USA, Alabama; B. Goffinet 5209; DUKE | KX897224 | KX869776 | KX880217 | KX880111 | KX897475 | KX922926 | VIIb |
| *P. neopolydactyla* 1 | P640 | USA, North Carolina; J. Miadlikowska et al. s.n.; DUKE | KX897225 | KX869777 | KX880218 | KX880112 | KX897476 | KX922927 | VIIb |
| *P. neopolydactyla* 1 | P645 | USA, North Carolina; J. Miadlikowska et al. s.n.; DUKE | KX897226 | KX869778 | KX880219 | KX880113 | KX897477 | KX922928 | VIIb |
| *P. neopolydactyla* 1 | P1252 | USA, Arizona; J. Hollinger 1781; UBC | KX897227 | KX869779 | KX880220 | KX880114 | -- | KX922929 | VIIc |
| *P. neopolydactyla* 1b | P325 | Peru; E. Gaya 07.14.10-19; DUKE | KX897228 | KX869780 | KX880221 | KX880115 | KX897478 | KX922930 | VIIb |
| *P. neopolydactyla* 2 | N1913 | China, Yunnan; B. Goffinet 10122; CONN | KX897229 | -- | -- | -- | -- | KX922931 | X |
| *P. neopolydactyla* 2 | N1914 | China, Yunnan; B. Goffinet 10125; CONN | KX897230 | -- | -- | -- | -- | KX922932 | X |
| *P. neopolydactyla* 2 | N1916 | China, Yunnan; B. Goffinet 10126; CONN | KX897231 | -- | -- | -- | -- | KX922933 | X |
| *P. neopolydactyla* 2 | N1926 | China, Yunnan; B. Goffinet 10128; CONN | KX897232 | -- | -- | -- | -- | KX922934 | X |
| *P. neopolydactyla* 2 | N1927 | China, Yunnan; B. Goffinet 10127; CONN | KX897233 | -- | -- | -- | -- | KX922935 | X |
| *P. neopolydactyla* 2 | N1929 | China, Yunnan; B. Goffinet 10120; CONN | KX897234 | KX869781 | KX880222 | KX880116 | KX897479 | KX922936 | X |
| *P. neopolydactyla* 2 | P1183 | Japan, Hokkaido; G. Thor 25759; UPS-552780 | KX897235 | -- | -- | -- | -- | KX922937 | XIII |
| *P. neopolydactyla* 2 | P1322 | Norway; N. Magain s.n.; LG | KX897236 | -- | -- | -- | -- | KX922938 | XIII |
| *P. neopolydactyla* 2 | P384 | Norway; N. Magain s.n.; LG | KX897237 | KX869782 | KX880223 | KX880117 | KX897480 | KX922939 | XIII |
| *P. neopolydactyla* 2 | P386 | Norway; N. Magain s.n.; LG | KX897238 | -- | -- | -- | -- | KX922940 | XIII |
| *P. neopolydactyla* 2 | P821 | Norway; N. Magain s.n.; LG | KX897239 | -- | -- | -- | -- | KX922941 | XIII |
| *P. neopolydactyla* 2 | P846 | Norway; N. Magain s.n.; LG | KX897240 | -- | -- | -- | -- | KX922942 | XIII |
| *P. neopolydactyla* 2 | P1291 | China, Yunnan; J. Miadlikowska et al. s.n.; DUKE | KX897241 | -- | -- | KX880118 | -- | -- | N/A |
| *P. neopolydactyla* 2 | P1659 | Japan, Hokkaido; G. Thor 25720; UPS-519479 | KX897242 | KX869783 | KX880224 | KX880119 | -- | -- | N/A |
| *P. neopolydactyla* 2 | P1662 | Japan, Hokkaido; A. Frisch 10/Jp410; UPS-522008 | KX897243 | KX869784 | KX880225 | KX880120 | -- | -- | N/A |
| *P. neopolydactyla* 2 | P1667 | Japan, Kochi; G. Thor 2127x; UPS-164500 | KX897244 | KX869785 | KX880226 | KX880121 | -- | -- | N/A |
| *P. neopolydactyla* 2 | P1760 | Japan, Hokkaido; G. Thor 14656; UPS-166427 | KX897245 | KX869786 | -- | KX880122 | -- | -- | N/A |
| *P. neopolydactyla* 2 | P390 | Norway; N. Magain s.n.; LG | KX897246 | KX869787 | KX880227 | KX880123 | KX897481 | -- | N/A |
| *P. neopolydactyla* 3 | P859 | Vietnam; Vo T. P. G. G06-NL86B; B-600144665 | KX897247 | KX869788 | KX880228 | KX880124 | -- | KX922943 | VIIb |
| *P. neopolydactyla* 3 | P1283 | China, Yunnan; J. Miadlikowska et al. s.n.; DUKE | KX897248 | -- | -- | -- | -- | KX922944 | X |
| *P. neopolydactyla* 4 | P1628 | USA, Maine; W. R. Buck 54962; NY-01105128 | KX897249 | -- | -- | -- | -- | KX922945 | IV |
| *P. neopolydactyla* 4 | P1668 | Japan, Hokkaido; G. Thor 24306; UPS-519471 | KX897250 | KX869789 | KX880229 | KX880125 | KX897482 | KX922946 | IV |
| *P. neopolydactyla* 4 | P1675 | Japan, Hokkaido; G. Thor 24336; UPS-519493 | KX897251 | -- | -- | -- | -- | KX922947 | IV |
| *P. neopolydactyla* 4 | P302 | Canada, Québec; F. Lutzoni et al. s.n.; DUKE | KX897252 | KX869790 | KX880230 | KX880126 | KX897483 | KX922948 | IV |
| *P. neopolydactyla* 4 | P321 | Canada, Québec; F. Lutzoni et al. s.n.; DUKE | KX897253 | KX869791 | KX880231 | KX880127 | KX897484 | KX922949 | IV |
| *P. neopolydactyla* 4 | P591 | Norway; N. Magain s.n.; LG | KX897254 | -- | -- | -- | -- | KX922950 | IV |
| *P. neopolydactyla* 4 | P811 | Norway; N. Magain s.n.; LG | KX897255 | -- | -- | -- | -- | KX922951 | IV |
| *P. neopolydactyla* 4 | P1212 | Norway; N. Magain s.n.; LG | KX897256 | KX869792 | KX880232 | -- | KX897485 | KX922952 | Xia |
| *P. neopolydactyla* 4 | P506 | Norway; N. Magain s.n.; LG | KX897257 | KX869793 | KX880233 | KX880128 | KX897486 | KX922953 | XIa |
| *P. neopolydactyla* 4 | P669 | Norway; N. Magain s.n.; LG | KX897258 | -- | -- | -- | -- | KX922954 | Xia |
| *P. neopolydactyla* 5 | P1228 | USA, Oregon; B. McCune 30018; McCune Private Coll. | KX897259 | KX869794 | KX880234 | KX880129 | KX897487 | KX922955 | XIb |
| *P. neopolydactyla* 5 | P1232 | USA, Oregon; B. McCune 26873; McCune Private Coll. | KX897260 | KX869795 | -- | KX880130 | -- | KX922956 | XIb |
| *P. neopolydactyla* 5 | P1257 | USA, Oregon; J. Hollinger 1385; UBC | KX897261 | KX869796 | KX880235 | KX880131 | KX897488 | KX922957 | XIb |
| *P. neopolydactyla* 5 | P1677 | USA, Oregon; B. McCune 26977; McCune Private Coll. | KX897262 | -- | -- | -- | -- | KX922958 | XIb |
| *P. neopolydactyla* 6 | P1223 | USA, Oregon; McCune Private Coll. | KX897263 | -- | -- | -- | -- | KX922959 | XIII |
| *P. neopolydactyla* 6 | P1231 | USA, Oregon; B. McCune 24160; McCune Private Coll. | KX897264 | KX869797 | KX880236 | KX880132 | -- | KX922960 | XIII |
| *P. neopolydactyla* 6 | N1886 | USA, Oregon; B. Goffinet 8056; CONN | KX897265 | -- | -- | -- | -- | KX922961 | XVII |
| *P. neopolydactyla* 6 | N1888 | USA, Oregon; B. Goffinet 8049; CONN | KX897266 | -- | -- | -- | -- | KX922962 | XVII |
| *P. neopolydactyla* 6 | P1258 | Canada, British Columbia; C. Björk 17289; UBC | KX897267 | -- | -- | -- | -- | KX922963 | XVII |
| *P. occidentalis* | P108 | Canada, Québec; F. Lutzoni et al. s.n.; DUKE | KX897268 | -- | -- | -- | -- | KX922964 | VIIa |
| *P. occidentalis* | P299 | Canada, Québec; F. Lutzoni et al. s.n.; DUKE | KX897269 | KX869798 | KX880237 | KX880133 | KX897489 | KX922965 | VIIa |
| *P. occidentalis* | P314 | Canada, Québec; F. Lutzoni et al. s.n.; DUKE | KX897270 | -- | -- | -- | -- | KX922966 | VIIa |
| *P. occidentalis* | P410 | Russia, Siberia; T. N. Otnyukova s.n.; H | KX897271 | -- | -- | -- | -- | KX922967 | VIIa |
| *P. occidentalis* | P543 | Norway; N. Magain s.n.; LG | KX897272 | KX869799 | KX880238 | KX880134 | KX897490 | KX922968 | VIIa |
| *P. occidentalis* | P571 | Norway; N. Magain s.n.; LG | KX897273 | -- | -- | -- | -- | KX922969 | VIIa |
| *P. occidentalis* | P853 | USA, Alaska; T. Ahti 63310; H | KX897274 | -- | -- | -- | -- | KX922970 | VIIa |
| *P. occidentalis* | P1638 | USA, North Carolina; Richard C. Harris 52559; NY | KX897275 | -- | -- | -- | -- | KX922971 | VIIb |
| *P. occidentalis* | P510 | Norway; N. Magain s.n.; LG | KX897276 | KX869800 | KX880239 | -- | KX897491 | -- | N/A |
| *P. occidentalis* | P521 | Norway; N. Magain s.n.; LG | KX897277 | KX869801 | KX880240 | -- | KX897492 | -- | N/A |
| *P. occidentalis* | P866 | USA, Alaska; T. Ahti 63231; H | KX897278 | KX869802 | KX880241 | KX880135 | KX897493 | -- | N/A |
| *P. oceanica* | P882 | Papua New Guinea; E. Sérusiaux s.n.; LG | KX897279 | KX869803 | -- | -- | -- | -- | N/A |
| *P. pacifica* | P1240 | Canada, British Columbia; T. Goward 06-23; UBC | KX897280 | -- | -- | -- | -- | KX922972 | XIII |
| *P. pacifica* | P1241 | Canada, British Columbia; C. Björk 17500; UBC | KX897281 | -- | -- | -- | -- | KX922973 | XIII |
| *P. pacifica* | P1242 | Canada, British Columbia; T. Goward 06-1133; UBC | KX897282 | -- | -- | -- | -- | KX922974 | XIII |
| *P. pacifica* | P1243 | Canada, British Columbia; T. Goward 06-1522; UBC | KX897283 | KX869804 | KX880242 | KX880136 | KX897494 | KX922975 | XIII |
| *P. pacifica* | P443 | Canada, British Columbia; O. Vitikainen 13080; H | KX897284 | 666666883 | 666667207 | 666666975 | 666667085 | -- | N/A |
| *P. polydactylon* | N2069 | Norway; J. Holtan-Hartwig 528; O | KX365447 | KX365455 | KX880243 | KX365467 | -- | KX922976 | V |
| *P. polydactylon* | P1213 | Norway; N. Magain s.n.; LG | KX897285 | -- | -- | -- | -- | KX922977 | V |
| *P. polydactylon* | P1235 | USA, Alaska; B. McCune 26434; McCune Private Coll. | KX897286 | -- | -- | -- | -- | KX922978 | V |
| *P. polydactylon* | P385 | Norway; N. Magain s.n.; LG | KX365448 | 666666886 | 666667319 | 666666971 | 666667083 | KX922979 | V |
| *P. polydactylon* | P388 | Norway; N. Magain s.n.; LG | KX365449 | KX365456 | KX365461 | KX365468 | KX897495 | KX922980 | V |
| *P. polydactylon* | P682 | Norway; N. Magain s.n.; LG | KX897287 | -- | -- | -- | -- | KX922981 | V |
| *P. polydactylon* | P71 | USA, New Mexico; J. Hollinger 2462; DUKE | KX365444 | KX365452 | KX365459 | KX365464 | KX897496 | KX922982 | V |
| *P. polydactylon* | P816 | Norway; N. Magain s.n.; LG | KX897288 | -- | -- | -- | -- | KX922983 | V |
| *P. polydactylon* | P833 | Norway; N. Magain s.n.; LG | KX897289 | -- | -- | -- | -- | KX922984 | V |
| *P. polydactylon* | P856 | Iran; A. A. Maassoumi 573; B-600114374 | KX365446 | KX365454 | -- | KX365466 | -- | KX922985 | V |
| *P. polydactylon* | P1234 | USA, Montana; B. McCune 29108; McCune Private Coll. | KX365445 | KX365453 | KX365460 | KX365465 | -- | -- | N/A |
| *P. pulverulenta* 1 | P890 | Bolivia; M. Kukwa 8536; UGDA-17702 | KX897290 | KX869805 | KX880244 | KX880137 | KX897497 | KX922986 | HT41 |
| *P. pulverulenta* 1 | P897 | Mexico; M. A. Herrera-Campos 122; MEXU | KX897291 | -- | -- | -- | -- | KX922987 | XIX |
| *P. pulverulenta* 1 | P1566 | Brazil, Minas Gerais; J. Miadlikowska et al. s.n.; CGMS-34566 | KX897292 | -- | -- | -- | -- | KX922988 | XIX |
| *P. pulverulenta* 1 | P1572 | Brazil, Minas Gerais; J. Miadlikowska et al. s.n.; CGMS-34445 | KX897293 | -- | -- | -- | -- | KX922989 | XIXb |
| *P. pulverulenta* 1 | P928 | Colombia; R. Lücking MPNNC214; UDBC | KX897294 | -- | -- | -- | -- | KX922990 | XV |
| *P. pulverulenta* 1 | P901 | Colombia; R. Lücking 33383; UDBC | KX897295 | KX869806 | KX880245 | KX880138 | -- | -- | N/A |
| *P. pulverulenta* 1 | P938 | Colombia; R. Lücking 33321; UDBC | KX897296 | KX869807 | KX880246 | KX880139 | -- | -- | N/A |
| *P. pulverulenta* 1 | P945 | Colombia; R. Lücking 33691; UDBC | KX897297 | KX869808 | KX880247 | KX880140 | KX897498 | -- | N/A |
| *P. pulverulenta* 2 | P1521 | Colombia; R. Lücking 34028; UDBC | KX897298 | KX869809 | KX880248 | KX880141 | KX897499 | KX922991 | XIXa |
| *P. pulverulenta* 2 | P900 | Colombia; R. Lücking 33367; UDBC | KX897299 | KX869810 | KX880249 | KX880142 | KX897500 | KX922992 | XIX |
| *P. pulverulenta* 3 | P1522 | Colombia; R. Lücking 34033; UDBC | KX897300 | KX869811 | KX880250 | KX880144 | KX897501 | KX922993 | HT34 |
| *P. scabrosa* 1 | P1210 | Norway; N. Magain s.n.; LG | KX897301 | KX869812 | KX880251 | KX880145 | -- | KX922994 | VIIa |
| *P. scabrosa* 1 | P1250 | Canada, Alberta; J. Hollinger 1066; UBC | KX897302 | KX869813 | KX880252 | KX880146 | KX897502 | KX922995 | VIIa |
| *P. scabrosa* 1 | P1539 | Russia, Siberia; J. Miadlikowska et al. s.n.; DUKE | KX897303 | -- | -- | -- | -- | KX922996 | VIIa |
| *P. scabrosa* 1 | P306 | Canada, Québec; F. Lutzoni et al. s.n.; DUKE | KX897304 | -- | -- | -- | -- | KX922997 | VIIa |
| *P. scabrosa* 1 | P311 | Canada, Québec; F. Lutzoni et al. s.n.; DUKE | KX897305 | -- | -- | -- | -- | KX922998 | VIIa |
| *P. scabrosa* 1 | P93 | Canada, Québec; F. Lutzoni et al. s.n.; DUKE | KX897306 | -- | -- | -- | -- | KX922999 | VIIa |
| *P. scabrosa* 1 | P97 | Canada, Québec; F. Lutzoni et al. s.n.; DUKE | KX897307 | KX869814 | KX880253 | KX880147 | KX897503 | KX923000 | VIIa |
| *P. scabrosa* 1 | P550 | Norway; N. Magain s.n.; LG | KX897308 | KX869815 | KX880254 | KX880148 | KX897504 | -- | N/A |
| *P. scabrosa* 2 | P1328 | Canada, Nunavik; J. Gagnon; QFA-0594938 | KX897401 | -- | -- | -- | -- | KX923001 | VIId |
| *P. scabrosa* 2 | P1721 | Greenland; E. Sérusiaux s.n.; LG | KX897309 | -- | -- | -- | -- | KX923002 | VIId |
| *P. scabrosa* 2 | P107 | Canada, Québec; F. Lutzoni et al. s.n.; DUKE | KX897310 | 666666890 | 666667197 | 666666913 | 666667075 | KX923003 | XIa |
| *P. scabrosa* 2 | P113 | Canada, Québec; F. Lutzoni et al. s.n.; DUKE | KX897311 | KX869816 | KX880255 | KX880149 | KX897505 | KX923004 | XIa |
| *P. scabrosa* 2 | P1209 | Norway; N. Magain s.n.; LG | KX897312 | KX869817 | KX880256 | KX880150 | KX897506 | KX923005 | XIa |
| *P. scabrosa 2* | P1255 | Canada, BC; C. Björk 16230; UBC | KX897313 | KX869818 | KX880257 | KX880151 | KX897507 | KX923006 | XIa |
| *P. scabrosa* 2 | P1540 | Russia, Siberia; J. Miadlikowska et al. s.n.; DUKE | KX897314 | -- | -- | -- | -- | KX923007 | XIa |
| *P. scabrosa* 2 | P296 | Canada, Québec; F. Lutzoni et al. s.n.; DUKE | KX897315 | -- | -- | -- | -- | KX923008 | XIa |
| *P. scabrosa* 2 | P520 | Norway; N. Magain s.n.; LG | KX897316 | -- | -- | -- | -- | KX923009 | XIa |
| *P. scabrosa* 2 | P617 | Norway; N. Magain s.n.; LG | KX897317 | -- | -- | -- | -- | KX923010 | XIa |
| *P. scabrosa* 2 | P830 | Norway; N. Magain s.n.; LG | KX897318 | -- | -- | -- | -- | KX923011 | XIa |
| *P. scabrosa* 3 | P865 | Russia, Yakutia; T. Ahti 65068; H | KX897319 | KX869819 | KX880258 | KX880152 | KX897508 | KX923012 | VIIa |
| *P. scabrosa* 3 | N1236 | Greenland; E. Sérusiaux s.n.; LG | KX897320 | KX869820 | KX880259 | KX880153 | KX897509 | KX923013 | VIIc |
| *P. scabrosa* 3 | P1536 | Russia, Siberia; J. Miadlikowska et al. s.n.; DUKE | KX897321 | -- | -- | -- | -- | KX923014 | X |
| *P. scabrosa* 3 | P1538 | Russia, Siberia; J. Miadlikowska et al. s.n.; DUKE | KX897322 | -- | -- | -- | -- | KX923015 | X |
| *P. scabrosa* 4 | P312 | Canada, Québec; F. Lutzoni et al. s.n.; DUKE | KX897323 | KX869821 | KX880260 | KX880154 | KX897510 | KX923016 | VIIa |
| *P. scabrosa 4* | P315 | Canada, Québec; F. Lutzoni et al. s.n.; DUKE | KX897324 | KX869822 | KX880261 | KX880155 | -- | KX923017 | VIIa |
| *P. scabrosa 4* | P318 | Canada, Québec; F. Lutzoni et al. s.n.; DUKE | KX897325 | -- | -- | -- | -- | KX923018 | VIIa |
| *P. scabrosa* 4 | P529 | Norway; N. Magain s.n.; LG | KX897326 | -- | -- | -- | -- | KX923019 | VIIa |
| *P. scabrosa* 4 | P549 | Norway; N. Magain s.n.; LG | KX897327 | KX869823 | KX880262 | KX880156 | KX897511 | KX923020 | VIIa |
| *P. scabrosella* | P391 | Norway; N. Magain s.n.; LG | KX897328 | -- | -- | -- | -- | KX923021 | XIa |
| *P. scabrosella* | P514 | Norway; N. Magain s.n.; LG | KX897329 | -- | -- | -- | -- | KX923022 | XIa |
| *P. scabrosella* | P619 | Norway; N. Magain s.n.; LG | KX897330 | -- | -- | -- | -- | KX923023 | XIa |
| *P. scabrosella* | P854 | Greenland; E. S. Hansen; H-548 | KX897331 | -- | -- | -- | -- | KX923024 | XIa |
| *P. scabrosella* | P536 | Norway; N. Magain s.n.; LG | KX897332 | KX869824 | KX880263 | KX880157 | KX897512 | -- | N/A |
| *P.* sp. | N1750 | Unknown; J. Santosh s.n.; J. Santosh Private Coll. | -- | -- | -- | -- | -- | KX923025 | HT39 |
| *P.* sp. 1 | P905 | Colombia; R. Lücking 33334; UDBC | KX897333 | -- | -- | -- | -- | KX923026 | HT40 |
| *P.* sp. 1 | P889 | Bolivia; M. Kukwa 9440; UGDA-17715 | KX897334 | -- | -- | -- | -- | KX923027 | XIX |
| *P.* sp. 1 | P885 | Bolivia; M. Kukwa 9276; UGDA-17710 | KX897335 | KX869825 | KX880264 | KX880158 | KX897513 | KX923028 | XIXc |
| *P.* sp. 1 | P886 | Bolivia; M. Kukwa 9327; UGDA-17713 | KX897336 | KX869826 | KX880265 | KX880159 | KX897514 | KX923029 | XIXc |
| *P.* sp. 1 | P909 | Colombia; R. Lücking 33339; UDBC | KX897337 | KX869827 | -- | KX880160 | -- | -- | N/A |
| *P.* sp. 2a | P1555 | Brazil, Minas Gerais; J. Miadlikowska et al. s.n.; CGMS-34544 | KX897338 | KX869828 | KX880266 | KX880161 | KX897515 | KX923030 | XIXb |
| *P.* sp. 2a | P1570 | Brazil, Minas Gerais; J. Miadlikowska et al. s.n.; CGMS- 34526 | KX897339 | -- | -- | -- | -- | KX923031 | XIXb |
| *P.* sp. 2a | P907 | Colombia; R. Lücking 33361; UDBC | KX897340 | KX869829 | KX880267 | KX880162 | -- | KX923032 | XV |
| *P.* sp. 2b | P1561 | Brazil, Minas Gerais; J. Miadlikowska et al. s.n.; CGMS-34399 | KX897341 | -- | -- | -- | -- | KX923033 | V |
| *P.* sp. 2b | P1557 | Brazil, Minas Gerais; J. Miadlikowska et al. s.n.; CGMS- 34562 | KX897342 | KX869830 | KX880268 | KX880163 | KX897516 | KX923034 | XIXd |
| *P.* sp. 2b | P1583 | Brazil, Minas Gerais; J. Miadlikowska et al. s.n.; CGMS- 34428 | KX897343 | -- | -- | -- | -- | KX923035 | XIXd |
| *P.* sp. 3 | P611 | New Zealand; F. Högnabba 1746; H | KX897344 | -- | -- | -- | -- | KX923036 | V |
| *P.* sp. 3 | P612 | New Zealand; F. Högnabba 1471; H | KX897345 | -- | -- | -- | -- | KX923037 | X |
| *P.* sp. 3 | P604 | New Zealand; F. Högnabba 1538; H | KX897346 | KX869831 | KX880269 | KX880164 | KX897517 | KX923038 | XX |
| *P.* sp. 3 | P606 | New Zealand; S. Stenroos 5942; H | KX897347 | -- | -- | -- | -- | KX923039 | XX |
| *P.* sp. 3 | P607 | New Zealand; S. Stenroos 5820; H | KX897348 | KX869832 | KX880270 | KX880165 | KX897518 | KX923040 | XX |
| *P.* sp. 3 | P608 | New Zealand; S. Stenroos 5830; H | KX897349 | -- | -- | -- | -- | KX923041 | XX |
| *P*. sp. 3 | P610 | New Zealand; F. Högnabba 1575; H | KX897350 | -- | -- | -- | -- | KX923042 | XX |
| *P.* sp. 3 | P1530 | New Zealand; D. Blanchon s.n.; DUKE | KX897351 | KX869833 | KX880271 | KX880166 | KX897519 | -- | N/A |
| *P.* sp. 3 | P605 | New Zealand; S. Stenroos 5815; H | KX897352 | KX869834 | KX880272 | KX880167 | KX897520 | -- | N/A |
| *P.* sp. 4 | N1534 | Papua New Guinea; E. Sérusiaux s.n.; LG | KX897353 | KX869835 | KX880273 | KX880168 | -- | KX923043 | VIIb |
| *P*. sp. 5 | N1545 | Papua New Guinea; E. Sérusiaux s.n.; LG | KX897354 | KX869836 | KX880274 | -- | KX897521 | KX923044 | HT32 |
| *P.* sp. 5 | P1716 | Papua New Guinea; E. Sérusiaux s.n.; LG | KX897355 | -- | -- | -- | -- | KX923045 | X |
| *P.* sp. 6 | P1734 | Peru; N. Magain s.n.; DUKE | KX897356 | -- | -- | -- | -- | KX923046 | HT35 |
| *P.* sp. 6 | P1650 | Honduras; B. Allen 17790; NY | KX897357 | KX869837 | KX880275 | KX880169 | -- | KX923047 | HT44 |
| *P.* sp. 6 | P1733 | Peru; J. Miadlikowska et al. s.n.; DUKE | KX897358 | -- | -- | -- | -- | KX923048 | HT46 |
| *P.* sp. 6 | P936 | Colombia; R. Lücking 33659; UDBC | KX897359 | KX869838 | KX880276 | KX880170 | -- | KX923049 | XIXb |
| *P.* sp. 6 | P942 | Colombia; R. Lücking 33658; UDBC | KX897360 | -- | -- | -- | -- | KX923050 | XIXb |
| *P.* sp. 7a | N1674 | Canada, British Columbia; T. Tönsberg 20742; BG-34877 | KX897361 | -- | -- | -- | -- | KX923051 | XIa |
| *P.* sp. 7a | N1887 | USA, Oregon; B. Goffinet 7966; CONN | KX897362 | -- | -- | -- | -- | KX923052 | XIa |
| *P.* sp. 7a | N1932 | Canada, British Columbia; B. Goffinet 3167; CONN | KX897363 | -- | -- | -- | -- | KX923053 | XIa |
| *P.* sp. 7a | N1666 | Canada, BC; T. Tönsberg 20741; BG-34876 | KX897364 | KX869839 | KX880277 | KX880171 | KX897522 | -- | N/A |
| *P.* sp. 7b | P1660 | Japan, Hokkaido; G. Thor 25408; UPS-519475 | KX897365 | KX869840 | KX880278 | KX880172 | -- | KX923054 | XIa |
| *P.* sp. 7b | P1672 | Japan, Hokkaido; G. Thor; UPS | KX897366 | -- | -- | -- | -- | KX923055 | XIa |
| *P.* sp. 7b | P1674 | Japan, Hokkaido; G. Thor 25401; UPS-519496 | KX897367 | -- | -- | -- | -- | KX923056 | XIa |
| *P.* sp. 8 | N1947 | China, Yunnan; B. Goffinet 9978; CONN | KX897368 | -- | -- | -- | -- | KX923057 | HT31 |
| *P.* sp. 8 | P1272 | China, Jilin; M. Sohrabi 16572; M. Sohrabi Private Coll. | KX897369 | KX869841 | KX880279 | KX880173 | KX897523 | KX923058 | HT43 |
| *P.* sp. 8 | N1920 | China, Yunnan; B. Goffinet 9983; CONN | KX897370 | -- | -- | -- | -- | KX923059 | HT47 |
| *P.* sp. 8 | N1754 | South Korea; J. Santosh 090187; J. Santosh Private Coll. | KX897371 | -- | -- | -- | -- | KX923060 | VIIIa |
| *P.* sp. 8 | N1897 | China, Yunnan; B. Goffinet 10060; CONN | KX897372 | -- | -- | -- | -- | KX923061 | VIIIa |
| *P.* sp. 8 | N1898 | China, Yunnan; B. Goffinet 10063; CONN | KX897373 | KX869842 | KX880280 | KX880174 | KX897524 | KX923062 | VIIIa |
| *P.* sp. 8 | N1900 | China, Yunnan; B. Goffinet 10102; CONN | KX897374 | -- | -- | -- | -- | KX923063 | VIIIa |
| *P.* sp. 8 | N1922 | China, Yunnan; B. Goffinet 10072; CONN | KX897375 | KX869843 | KX880281 | KX880175 | KX897525 | KX923064 | VIIIa |
| *P.* sp. 8 | N1924 | China, Yunnan; B. Goffinet 10095; CONN | KX897376 | KX869844 | KX880282 | KX880176 | KX897526 | KX923065 | VIIIa |
| *P*. sp. 8 | N1928 | China, Yunnan; B. Goffinet 10107; CONN | KX897377 | KX869845 | KX880283 | KX880177 | KX897527 | KX923066 | VIIIa |
| *P.* sp. 8 | P1237 | Taiwan; A. Mikulin T71; A. Mikulin Private Coll. | KX897378 | KX869846 | KX880284 | KX880178 | KX897528 | KX923067 | VIIIa |
| *P.* sp. 8 | P1299 | China, Yunnan; J. Miadlikowska et al. s.n.; DUKE | KX897379 | -- | -- | -- | -- | KX923068 | VIIIa |
| *P.* sp. 8 | N1748 | South Korea; J. Santosh 080042; J. Santosh Private Coll. | KX897380 | -- | -- | -- | -- | KX923069 | XIV |
| *P.* sp. 8 | N1752 | South Korea; J. Santosh 090132; J. Santosh Private Coll. | KX897381 | -- | -- | -- | -- | KX923070 | XIV |
| *P.* sp. 8 | N1766 | South Korea; J. Santosh 040808; J. Santosh Private Coll. | KX897382 | -- | -- | -- | -- | KX923071 | XIV |
| *P.* sp. 9 | N1907 | China, Yunnan; B. Goffinet 10100; CONN | KX897383 | -- | -- | -- | -- | KX923072 | VIIIa |
| *P.* sp. 9 | N1908 | China, Yunnan; B. Goffinet 10040; CONN | KX897384 | -- | -- | -- | -- | KX923073 | VIIIa |
| *P.* sp. 9 | N1918 | China, Yunnan; B. Goffinet 10101; CONN | KX897385 | -- | -- | -- | -- | KX923074 | VIIIa |
| *P.* sp. 9 | N1921 | China, Yunnan; B. Goffinet 10064; CONN | KX897386 | -- | -- | -- | -- | KX923075 | VIIIa |
| *P.* sp. 9 | N1923 | China, Yunnan; B. Goffinet 10073; CONN | KX897387 | KX869847 | KX880285 | KX880179 | KX897529 | KX923076 | VIIIa |
| *P*. sp. 9 | N1936 | China, Yunnan; B. Goffinet 10108; CONN | KX897388 | -- | -- | -- | -- | KX923077 | VIIIa |
| *P*. sp. 9 | P1508 | China, Yunnan; J. Miadlikowska et al. s.n.; DUKE | KX897389 | -- | -- | -- | -- | KX923078 | VIIIa |
| *P*. sp. 9 | N1899 | China, Yunnan; B. Goffinet 10014; CONN | KX897390 | KX869848 | KX880286 | -- | KX897530 | -- | N/A |
| *P.* sp. 10 | P1652 | Canada, Nova Scotia; NY | KX365450 | KX365457 | KX365462 | -- | -- | KX923079 | V |
| *P.* sp. 10 | P450 | USA, Pennsylvania; J. Lendemer 16792; NY | KX365451 | KX365458 | KX365463 | -- | KX897531 | KX923080 | V |
| *P.* sp. 11 | N1532 | Papua New Guinea; E. Sérusiaux s.n.; LG | KX897391 | KX869849 | KX880287 | KX880180 | -- | KX923081 | IX |
| *P.* sp. 11 | N1533 | Papua New Guinea; E. Sérusiaux s.n.; LG | KX897392 | KX869850 | -- | KX880181 | -- | KX923082 | IX |
| *P.* sp. 11 | N1537 | Papua New Guinea; E. Sérusiaux s.n.; LG | KX897393 | -- | -- | -- | -- | KX923083 | IX |
| *P.* sp. 11 | N1547 | Papua New Guinea; E. Sérusiaux s.n.; LG | KX897394 | -- | -- | -- | -- | KX923084 | IX |
| *P. sumatrana* | P884 | Papua New Guinea; E. Sérusiaux s.n.; LG | KX897395 | -- | -- | KX880182 | -- | -- | N/A |
| *P. truculenta* | P332 | Chile; T. Wheeler 89; T. Wheeler Private Coll. | KX897396 | KX869851 | KX880288 | KX880183 | -- | KX923085 | HT36 |
| *P. truculenta* | P329 | Chile; P. Nelson 4362; T. Wheeler Private Coll. | KX897397 | KX869852 | KX880289 | -- | KX897532 | KX923086 | HT38 |
| *P. truculenta* | P1251 | Chile; J. Hollinger 1925; UBC | KX897398 | KX869853 | -- | KX880184 | KX897533 | KX923087 | VIIIb |
| *P. truculenta* | P335 | Chile; T. Wheeler 1093; T. Wheeler Private Coll. | KX897399 | KX869854 | KX880290 | KX880185 | KX897534 | KX923088 | VIIIb |
| *P. truculenta* | P330 | Chile; T. Wheeler 3826; T. Wheeler Private Coll. | KX897400 | KX869855 | KX880291 | KX880186 | KX897535 | KX923089 | XV |
| **B. *Peltigera* other sections** |  |  |  |  |  |  |  |  |  |
| *P. aphthosa* | GB | Canada, British Columbia; O'Brien et al. 2013 | -- | -- | -- | -- | -- | 455475902 | HT08 |
| *P. aphthosa* | GB | Canada, British Columbia; O'Brien et al. 2013 | -- | -- | -- | -- | -- | 455475866 | HT18, IV |
| *P. aphthosa* | GB | Canada, British Columbia; O'Brien et al. 2013 | -- | -- | -- | -- | -- | 455476547 | HT23, IV |
| *P. aphthosa* | GB | Switzerland; O'Brien et al. 2005 | -- | -- | -- | -- | -- | 82471081 | V |
| *P. aphthosa* | P1330 | Canada, Nunavik; L. Couillard 191; QFA-0594935 | -- | -- | -- | -- | -- | KX923090 | XVIII |
| *P. aphthosa* | P1321 | Norway; N. Magain s.n.; LG | -- | -- | 666667227 | 666667049 | -- | -- | N/A |
| *P. aphthosa* | P788 | Norway; N. Magain s.n.; LG | -- | 14422959 | 666667213 | 666666983 | 666667091 | -- | N/A |
| *P. aphthosa* | GB | Switzerland; O'Brien et al. 2005 | -- | -- | -- | -- | -- | 82471084 | N/A |
| *P. aphthosa\** | GB | Canada, British Columbia; O'Brien et al. 2013 | -- | -- | -- | -- | -- | 455475860 | HT19, IV |
| *P. britannica* | P1324 | Canada, British Columbia; J. Lendemer 22342; NY | -- | -- | -- | -- | -- | KX923091 | HT48, IV |
| *P. britannica* | P227 | Canada, British Columbia; T. Goward 09-436; UBC | -- | -- | 666667201 | 666666965 | -- | KX923092 | HT48, IV |
| *P. britannica* | P228 | Canada, British Columbia; T. Goward 09-120; UBC | -- | 666666860 | 666667203 | 666666967 | 666667079 | KX923093 | HT48, IV |
| *P. britannica* | P16 | Iceland; H. G. Kristinsson LA30299; AMNH-30229 | -- | -- | -- | -- | -- | KX923094 | XVI |
| *P. britannica* | P1342 | Canada, Nunavik; J. Gagnon GPS 099; QFA-595029 | -- | -- | -- | -- | -- | KX923095 | XVIII |
| *P. britannica\** | GB | Canada, British Columbia; O'Brien et al. 2013 | -- | -- | -- | -- | -- | 455475935 | HT10 |
| *P. canina* | P4 | Iceland; J. Miadlikowska & F. Lutzoni 08.08.10-3; DUKE | -- | 666666861 | 666667179 | 666666973 | 666667053 | KX923096 | HT49 |
| *P. canina* | P14 | Iceland; J. Miadlikowska & F. Lutzoni 08.09.10-3; DUKE | -- | 666666862 | 666667181 | 666666937 | 666667055 | KX923097 | N/A |
| *P. canina* | GB | Canada, British Columbia; O'Brien et al. 2009 | -- | -- | -- | 255347899 | -- | -- | N/A |
| *P. canina* | GB | Germany; O'Brien et al. 2005 | -- | -- | -- | -- | -- | 82470985 | N/A |
| *P. canina* | GB | Poland; O'Brien et al. 2005 | -- | -- | -- | -- | -- | 82471036 | N/A |
| *P. canina* | GB | Unknown; O'Brien et al. 2005 | -- | -- | -- | -- | -- | 82470931 | N/A |
| *P. canina* | GB | USA; O'Brien et al. 2005 | -- | -- | -- | -- | -- | 82470994 | N/A |
| *P. canina* | GB | USA; O'Brien et al. 2005 | -- | -- | -- | -- | -- | 82471009 | N/A |
| *P. canina\** | GB | Canada, British Columbia; O'Brien et al. 2013 | -- | -- | -- | -- | -- | 455476004 | HT06 |
| *P. cinnamomea* | P1808 | Canada; T. Goward SN 27/09/3003; UBC | -- | -- | KX880292 | KX880187 | KX897536 | -- | N/A |
| *P. collina* | GB | Canada, British Columbia; O'Brien et al. 2013 | -- | -- | -- | -- | -- | 455475737 | HT13 |
| *P. collina* | P1263 | Chile; J. Hollinger 1929; UBC | -- | 666666863 | 666667221 | 666666919 | 666667099 | -- | N/A |
| *P. continentalis* | P1809 | China; T. Koponen 45091; H | -- | -- | KX880293 | KX880188 | KX897537 | -- | N/A |
| *P. continentalis* | P1810 | Russia; J. Miadlikowska et al. s.n.; DUKE | -- | 666666864 | 666667245 | 666666945 | 666667113 | -- | N/A |
| *P. degenii* | P1849 | China; M. Sohrabi 16583; H | -- | KX869856 | KX880294 | -- | -- | -- | N/A |
| *P. degenii* | P523 | Norway; N. Magain s.n.; LG | -- | KM005744 | KM005939 | -- | KM005878 | -- | N/A |
| *P. degenii* | GB | Canada; O'Brien et al. 2005 | -- | -- | -- | -- | -- | 82471057 | N/A |
| *P. degenii* | GB | Finland; Stenroos et al. 2006 | -- | -- | -- | -- | -- | 82779967 | N/A |
| *P. didactyla* | P1812 | Belgium; N. Magain s.n.; LG | -- | -- | KX880295 | -- | KX897538 | -- | N/A |
| *P. didactyla* | P1813 | Norway; N. Magain s.n.; LG | -- | KX869857 | KX880296 | -- | KX897539 | -- | N/A |
| *P. didactyla* | GB | Unknown; O'Brien et al. 2005 | -- | -- | -- | -- | -- | 82470940 | N/A |
| *P. didactyla* | GB | Iceland, O'Brien et al. 2005 | -- | -- | -- | -- | -- | 82470937 | N/A |
| *P. didactyla* | GB | Poland; O'Brien et al. 2005 | -- | -- | -- | -- | -- | 82471060 | N/A |
| *P. didactyla* | GB | Germany; O'Brien et al. 2005 | -- | -- | -- | -- | -- | 82470979 | N/A |
| *P. elisabethae* | P66 | USA, New Mexico; J. Hollinger 2397; DUKE | -- | 666666867 | 666667189 | -- | 666667065 | KX923098 | V |
| *P. elisabethae* | P1544 | Russia, Siberia; J. Miadlikowska et al. s.n.; DUKE | -- | 666666868 | 666667237 | 666666935 | 666667105 | -- | N/A |
| *P. evansiana* | P1817 | USA, Pennsylvania; J. Lendemer 17422; NY-1105603 | -- | 666666869 | 666667247 | 666666947 | 666667115 | -- | N/A |
| *P. evansiana* | P1818 | USA, Pennsylvania; J. Lendemer 17422; NY-1103610 | -- | 666666858 | 666667249 | 666666949 | 666667117 | -- | N/A |
| *P. extenuata* | P1851 | Norway; N. Magain s.n.; LG | -- | KX869858 | KX880297 | -- | -- | -- | N/A |
| *P. extenuata* | P81 | Russia, Kamchatka; D. E. Himelbrandt; H | -- | XXXX | -- | -- | KX897540 | -- | HT54 |
| *P. frigida* | P82 | Chile; C. Rubis 4064; H | -- | XXXX | -- | -- | KX897541 | -- | N/A |
| *P. fripii* | P1370 | Russia, Siberia; M. P. Andreev 91762; H | -- | 14422955 | 666667235 | 666666931 | 666667103 | -- | N/A |
| *P. fuscopraetextata\** | GB | Canada, British Columbia; O'Brien et al. 2013 | -- | -- | -- | -- | -- | 455476040 | HT03 |
| *P. granulosa* | P1825 | Papua New Guinea; E. Sérusiaux s.n.; LG | -- | -- | -- | KX880189 | KX897542 | -- | N/A |
| *P. horizontalis* | GB | Canada, British Columbia; O'Brien et al. 2013 | -- | -- | -- | -- | -- | 455476142 | HT11, V |
| *P. horizontalis* | P65 | USA, North Carolina; J. Hollinger 2691; DUKE | -- | -- | -- | -- | -- | KX923099 | V |
| *P. horizontalis* | GB | USA; O'Brien et al. 2005 | -- | -- | -- | -- | -- | 82471003 | V |
| *P. horizontalis* | P1274 | China, Jilin; M. Sohrabi 16639; M. Sohrabi Private Coll. | -- | 666666870 | 666667223 | 666666921 | 666667101 | -- | N/A |
| *P. horizontalis* | P1641 | USA, North Carolina; J. Lendemer 8136; NY | -- | 666666871 | 666667243 | 666666943 | 666667111 | -- | N/A |
| *P. hydrothyria* | P1497 | Canada, Nova Scotia; F. Anderson 151675; NSPM | -- | -- | 666667297 | 666666933 | 666667165 | -- | N/A |
| *P. hydrothyria* | P1498 | Canada, Nova Scotia; F. Anderson 151055; NSPM | -- | 666666874 | 666667299 | 666667047 | 666667167 | -- | N/A |
| *P. hydrothyria* | P1845 | Canada, Nova Scotia; F. Anderson 159031; NSPM | -- | 666666873 | 666667301 | 666666953 | 666667169 | -- | N/A |
| *P. koponenii* | P1827 | Papua New Guinea; E. Sérusiaux s.n.; LG | -- | -- | -- | KX880190 | -- | -- | N/A |
| *P. kristinssonii* | P1292 | Canada, Québec; J. Gagnon 594989; QFA-0594989 | -- | 666666875 | 666667225 | 666666923 | -- | -- | N/A |
| *P. laciniata* | P26 | Costa Rica; J. Miadlikowska et al. s.n.; DUKE | -- | 666666877 | 666667183 | 666666961 | 666667057 | -- | N/A |
| *P. laciniata* | P924 | Colombia; R. Lücking 33692; UDBC | -- | 666666876 | -- | 666666985 | 666667059 | -- | N/A |
| *P. latiloba* | P1175 | Russia, Sakha Republic; T. Ahti 64755; H | -- | -- | 666667217 | 666666915 | 666667095 | -- | N/A |
| *P. latiloba* | P210 | Canada, British Columbia; P. Nelson 11-034; UBC | -- | -- | 666667199 | 666666963 | 666667077 | -- | N/A |
| *P. lepidophora* | P1844 | Canada, British Columbia; T. Goward s.n.; UBC | -- | 666666859 | 666667251 | 666666951 | 666667119 | -- | N/A |
| *P. lepidophora* | GB | Canada; O'Brien et al. 2005 | -- | -- | -- | -- | -- | 82471063 | N/A |
| *P. leucophlebia* | GB | Canada, British Columbia; O'Brien et al. 2013 | -- | -- | -- | -- | -- | 455476310 | HT20 |
| *P. leucophlebia* | GB | Canada, British Columbia; O'Brien et al. 2013 | -- | -- | -- | -- | -- | 455476385 | HT30 |
| *P. leucophlebia* | P17 | Iceland; S. Heidmarsson 1983; AMNH-29884 | -- | -- | -- | -- | -- | KX923100 | HT55 |
| *P. leucophlebia* | GB | Finland; Myllys et al. 2007 | -- | -- | -- | -- | -- | 119690850 | V |
| *P. leucophlebia* | GB | Finland; Myllys et al. 2007 | -- | -- | -- | -- | -- | 119690853 | V |
| *P. leucophlebia* | GB | Finland; Myllys et al. 2007 | -- | -- | -- | -- | -- | 119690862 | V |
| *P. leucophlebia* | GB | Finland; Myllys et al. 2007 | -- | -- | -- | -- | -- | 119690865 | V |
| *P. leucophlebia* | GB | Finland; Myllys et al. 2007 | -- | -- | -- | -- | -- | 119690859 | V |
| *P. leucophlebia* | P1343 | Canada, Nunavik; J. Gagnon GPS 100; QFA-594931 | -- | -- | -- | -- | -- | KX923101 | XVIII |
| *P. leucophlebia* | P1329 | Canada, Nunavik; J. Gagnon; QFA-594936 | -- | -- | 666667229 | 666666925 | -- | -- | N/A |
| *P. leucophlebia* | P1333 | Canada, Nunavik; J. Gagnon; QFA-594851 | -- | -- | 666667231 | 666666927 | -- | -- | N/A |
| *P. leucophlebia* | GB | Finland; Myllys et al. 2007 | -- | -- | -- | -- | -- | 119690856 | N/A |
| *P. leucophlebia* | GB | Canada, Québec; O'Brien et al. 2013 | -- | -- | -- | -- | -- | 455476640 | N/A |
| *P. leucophlebia\** | GB | Canada, British Columbia; O'Brien et al. 2013 | -- | -- | -- | -- | -- | 455476274 | HT02 |
| *P. leucophlebia\** | GB | Canada, British Columbia; O'Brien et al. 2013 | -- | -- | -- | -- | -- | 455476544 | HT21, IV |
| *P. leucophlebia\** | GB | Canada, British Columbia; O'Brien et al. 2013 | -- | -- | -- | -- | -- | 455476358 | HT04 |
| *P. malacea* | GB | Canada, British Columbia; O'Brien et al. 2013 | -- | -- | -- | -- | -- | 455475965 | HT07, III |
| *P. malacea* | GB | Canada, British Columbia; O'Brien et al. 2013 | -- | -- | -- | -- | -- | 455475977 | HT09, III |
| *P. malacea* | GB | Unknown | -- | -- | -- | -- | -- | 455476625 | III |
| *P. malacea* | GB | Unknown | -- | -- | -- | -- | -- | 455476613 | III |
| *P. malacea* | GB | Unknown | -- | -- | -- | -- | -- | 455476658 | III |
| *P. malacea* | GB | Unknown | -- | -- | -- | -- | -- | 455476616 | III |
| *P. malacea* | GB | Unknown | -- | -- | -- | -- | -- | 455476619 | III |
| *P. malacea* | GB | Finland; Myllys et al. 2007 | -- | -- | -- | -- | -- | 119690868 | III |
| *P. malacea* | GB | Canada, Québec; O'Brien et al. 2013 | -- | -- | -- | -- | -- | 455476610 | III |
| *P. malacea* | GB | Canada, British Columbia; O'Brien et al. 2013 | -- | -- | -- | -- | -- | 455476556 | HT25 |
| *P. malacea* | GB | Canada, Québec; O'Brien et al. 2013 | -- | -- | -- | -- | -- | 455476622 | III |
| *P. malacea* | GB | Unknown | -- | -- | -- | -- | -- | 455476655 | IV |
| *P. malacea* | P1028 | Norway; N. Magain s.n.; LG | -- | 666666878 | 666667215 | 666666911 | 666667093 | -- | N/A |
| *P. malacea* | GB | Canada, British Columbia; O'Brien et al. 2013 | -- | -- | -- | -- | -- | 455475980 | HT22 |
| *P. malacea* | GB | Canada, British Columbia; O'Brien et al. 2013 | -- | -- | -- | -- | -- | 455476595 | HT28 |
| *P. malacea* | P1363 | Russia, Karelia; P. Uotila 44104; H | -- | -- | 666667233 | 666666929 | -- | -- | N/A |
| *P. membranacea* | GB | Canada; O'Brien et al. 2005 | -- | -- | -- | -- | -- | 82470928 | V |
| *P. membranacea* | GB | USA; O'Brien et al. 2005 | -- | -- | -- | -- | -- | 82471000 | V |
| *P. membranacea* | GB | Russia; O'Brien et al. 2005 | -- | -- | -- | -- | -- | 82471066 | V |
| *P. membranacea* | GB | Canada; O'Brien et al. 2005 | -- | -- | -- | -- | -- | 82471069 | XIII |
| *P. membranacea* | P3 | Iceland; J. Miadlikowska & F. Lutzoni 08.08.10-2; DUKE | -- | 666666879 | 666667177 | 666666959 | 666667051 | KX923102 | XVI |
| *P. membranacea* | P86 | Madeira; H. Vare L1807; H | -- | -- | KX880298 | -- | KX897543 | -- | N/A |
| *P. membranacea* | GB | Finland; Myllys et al. 2007 | -- | -- | -- | -- | -- | 119690874 | N/A |
| *P. membranacea* | GB | USA; O'Brien et al. 2005 | -- | -- | -- | -- | -- | 82470997 | N/A |
| *P. membranacea* | GB | Finland; Myllys et al. 2007 | -- | -- | -- | -- | -- | 119690871 | N/A |
| *P. membranacea* | GB | Canada, British Columbia; O'Brien et al. 2013 | -- | -- | -- | -- | -- | 455476529 | HT15 |
| *P. membranacea\** | GB | Canada, British Columbia; O'Brien et al. 2013 | -- | -- | -- | -- | -- | 455476412 | HT14, XIII |
| *P. monticola* | P73 | Austria; R. Türk 37593; H | -- | 666666880 | -- | 666666979 | 666667069 | KX923103 | HT51 |
| *P. monticola* | P75 | Norway; T. Ahti 65831; H | -- | 666666881 | 666667195 | 666666981 | 666667073 | KX923104 | HT59 |
| *P. neckeri* | GB | Canada, British Columbia; O'Brien et al. 2013 | -- | -- | -- | -- | -- | 455476136 | HT16 |
| *P. neckeri* | P15 | Iceland; J. Miadlikowska 08.09.10-2; DUKE | -- | -- | -- | -- | -- | KX923105 | HT52 |
| *P. neckeri* | P1620 | USA, Arkansas; R. C. Harris 45472; NY | -- | 666666882 | 666667241 | 666666941 | 666667109 | -- | N/A |
| *P. neocanina* | GB | Canada, British Columbia; O'Brien et al. 2013 | -- | -- | -- | -- | -- | 455476607 | HT29 |
| *P. neocanina* | P68 | USA, New Mexico; J. Hollinger 2401; DUKE | -- | -- | -- | -- | -- | KX923106 | HT53 |
| *P. neocanina* | P70 | USA, New Mexico; J. Hollinger 2460; DUKE | -- | -- | -- | -- | -- | KX923107 | V |
| *P. neocanina\** | GB | Canada, British Columbia; O'Brien et al. 2013 | -- | -- | -- | -- | -- | 455476130 | HT01, V |
| *P. papuanorum* | P1831 | Papua New Guinea; E. Sérusiaux s.n.; LG | -- | -- | KX880299 | -- | -- | -- | N/A |
| *P. patagonica* | P76 | Chile; C. Rubio 7077; H | -- | -- | -- | -- | -- | KX923108 | HT50 |
| *P. phyllidiosa* | P72 | USA, North Carolina; J. Hollinger 2708; DUKE | -- | -- | -- | -- | -- | KX923109 | HT62 |
| *P. phyllidiosa* | P1245 | Unknown; J. Hollinger 1097; UBC | -- | 666666884 | 666667219 | 666666917 | 666667097 | -- | N/A |
| *P. phyllidiosa* | P1617 | USA, Tennessee; W. R. Buck 56402; NY | -- | 666666885 | 666667239 | 666666939 | 666667107 | -- | N/A |
| *P. polydactyloides* | P1756 | Rwanda; E. Sérusiaux s.n.; LG | -- | KX869859 | KX880300 | KX880191 | -- | -- | N/A |
| *P. ponojensis* | P77 | Chile; B. Goffinet 6837; CONN | -- | -- | -- | -- | -- | KX923110 | HT57 |
| *P. ponojensis* | P84 | USA, Pennsylvania; J. Lendemer 13556; H | -- | -- | -- | -- | -- | KX923111 | HT63 |
| *P. praetextata* | GB | Canada, British Columbia; O'Brien et al. 2013 | -- | -- | -- | -- | -- | 455476526 | HT17 |
| *P. praetextata* | GB | Finland; Myllys et al. 2007 | -- | -- | -- | -- | -- | 119690886 | V |
| *P. praetextata* | GB | Finland; Myllys et al. 2007 | -- | -- | -- | -- | -- | 119690889 | V |
| *P. praetextata* | GB | Finland; Myllys et al. 2007 | -- | -- | -- | -- | -- | 119690892 | V |
| *P. praetextata* | GB | Finland; Myllys et al. 2007 | -- | -- | -- | -- | -- | 119690895 | V |
| *P. praetextata* | GB | Finland; Myllys et al. 2007 | -- | -- | -- | -- | -- | 119690898 | V |
| *P. praetextata* | GB | Finland; Myllys et al. 2007 | -- | -- | -- | -- | -- | 119690901 | V |
| *P. praetextata* | GB | Finland; Myllys et al. 2007 | -- | -- | -- | -- | -- | 119690883 | V |
| *P. praetextata* | GB | Finland; Myllys et al. 2007 | -- | -- | -- | -- | -- | 119690904 | V |
| *P. praetextata* | P1862 | France, Reunion Island; K. Kalb s.n.; DUKE | -- | -- | 666667253 | 666666957 | 666667123 | -- | N/A |
| *P. praetextata* | P570 | Norway; N. Magain s.n.; LG | -- | 666666887 | 666667211 | 666666989 | 666667089 | -- | N/A |
| *P. retifoveata* | P1839 | Alaska; J. Miadlikowska et al. s.n.; DUKE | -- | -- | KX880301 | -- | KX897544 | -- | N/A |
| *P. retifoveata* | P74 | Russia, Sakha Republic; T. Ahti 61821; H | -- | 666666888 | 666667193 | -- | 666667071 | -- | N/A |
| *P. rufescens* | P5 | Iceland; J. Miadlikowska & F. Lutzoni 08.08.10-4; DUKE | -- | -- | -- | KX880143 | -- | -- | N/A |
| *P. rufescens* | GB | Germany; O'Brien et al. 2005 | -- | -- | -- | -- | -- | 82470982 | N/A |
| *P. rufescens* | GB | Germany; O'Brien et al. 2005 | -- | -- | -- | -- | -- | 82470964 | N/A |
| *P. rufescens* | GB | Unknown; O'Brien et al. 2005 | -- | -- | -- | -- | -- | 82470961 | N/A |
| *P. rufescens* | GB | Germany; O'Brien et al. 2005 | -- | -- | -- | -- | -- | 82470976 | N/A |
| *P. rufescens* | GB | Germany; O'Brien et al. 2005 | -- | -- | -- | -- | -- | 82470970 | N/A |
| *P. rufescens* | GB | England; O'Brien et al. 2005 | -- | -- | -- | -- | -- | 82470934 | N/A |
| *P. rufescens* | GB | Poland; O'Brien et al. 2005 | -- | -- | -- | -- | -- | 82471072 | N/A |
| *P. rufescens* | GB | Germany; O'Brien et al. 2005 | -- | -- | -- | -- | -- | 82470973 | N/A |
| *P. rufescens* | P6 | Iceland; J. Miadlikowska & F. Lutzoni 08.08.10-5; DUKE | -- | 666666889 | -- | 666666977 | -- | KX923112 | HT58 |
| *P.* sp. | P1319 | Canada, Québec; J. Miadlikowska & F. Lutzoni s.n.; DUKE | -- | -- | -- | -- | -- | KX923113 | HT60 |
| *P.* sp. | P1335 | Canada, Nunavik; J. Gagnon GPS 106; QFA 595025 | -- | -- | -- | -- | -- | KX923114 | XVIII |
| *P.* sp. | GB | Finland; Myllys et al. 2007 | -- | -- | -- | -- | -- | 119690907 | N/A |
| *P. ulcerata* | P43 | Costa Rica; J. Miadlikowska et al. s.n.; DUKE | -- | -- | -- | -- | -- | KX923115 | HT61 |
| *P. ulcerata* | P48 | Costa Rica; J. Miadlikowska et al. s.n.; DUKE | -- | 666666891 | 666667185 | -- | 666667061 | -- | N/A |
| *P. ulcerata* | P51 | Costa Rica; J. Miadlikowska et al. s.n.; DUKE | -- | 666666892 | 666667187 | -- | 666667063 | -- | N/A |
| *P. venosa* | P1905 | Norway; N. Magain s.n.; LG | -- | 666666893 | 666667255 | -- | 666667125 | -- | N/A |
| *P. venosa* | P69 | USA, New Mexico; J. Hollinger 2475; DUKE | -- | 666666894 | 666667191 | -- | 666667067 | -- | N/A |
| **C. Other genera** |  |  |  |  |  |  |  |  |  |
| *Arctomia fasciculare* 1 | GB | Spain; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278413 | N/A |
| *A. fasciculare* 2 | GB | Spain; Otálora et al. 2010 | N/A | N/A | N/A | N/A | N/A | 205278416 | N/A |
| *Anabaena augstumalis* | GB | Germany; Rajaniemi et al. 2005 | N/A | N/A | N/A | N/A | N/A | 55650808 | N/A |
| *A. cf. cylindrica* | GB | Unknown; Gugger et al. 2002 | N/A | N/A | N/A | N/A | N/A | 15282236 | N/A |
| *Anthoceros* sp. | GB | Italy; O'Brien et al. 2005 | N/A | N/A | N/A | N/A | N/A | 82470946 | N/A |
| *Anthoceros* sp. | GB | Germany; O'Brien et al. 2005 | N/A | N/A | N/A | N/A | N/A | 82470958 | N/A |
| *Blasia pusilla* | GB | Germany; O'Brien et al. 2005 | N/A | N/A | N/A | N/A | N/A | 82470952 | N/A |
| *B. pusilla* | GB | Germany; O'Brien et al. 2005 | N/A | N/A | N/A | N/A | N/A | 82470955 | N/A |
| *B. pusilla* | GB | Germany; O'Brien et al. 2005 | N/A | N/A | N/A | N/A | N/A | 82471090 | N/A |
| *Blennothallia crispus* 1 | GB | Spain; Otálora et al. 2010 | N/A | N/A | N/A | N/A | N/A | 205278404 | N/A |
| *B. crispus* 2 | GB | Germany; O'Brien et al. 2005 | N/A | N/A | N/A | N/A | N/A | 82470967 | N/A |
| *Collema flaccidum* 1 | GB | Finland; Stenroos et al. 2006 | -- | -- | -- | -- | -- | 82779973 | N/A |
| *C. flaccidum* 2 | GB | Finland; Stenroos et al. 2006 | -- | -- | -- | -- | -- | 82779972 | N/A |
| *C. flaccidum* 3 | GB | Spain; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278419 | N/A |
| *C. flaccidum* 4 | GB | Spain; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278422 | N/A |
| *C. flaccidum* 5 | GB | USA; Otálora et al. 2010 | -- | -- | -- | -- | -- | 241913794 | N/A |
| *C. furfuraceum* 1 | GB | USA; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278440 | N/A |
| *C. furfuraceum* 2 | GB | Portugal; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278437 | N/A |
| *C. furfuraceum* 3 | GB | Spain; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278431 | N/A |
| *C. furfuraceum* 4 | GB | Croatia; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278434 | N/A |
| *C. nigrescens* 1 | GB | Spain; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278449 | N/A |
| *C. nigrescens* 2 | GB | Spain; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278443 | N/A |
| *C. nigrescens* 3 | GB | Spain; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278446 | N/A |
| *C. subnigrescens* 1 | GB | Croatia; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278461 | N/A |
| *C. subnigrescens* 2 | GB | Portugal; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278458 | N/A |
| *C. subnigrescens* 3 | GB | Portugal; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278464 | N/A |
| *Cycas circinalis* | GB | Brazil; O'Brien et al. 2005 | N/A | N/A | N/A | N/A | N/A | 82471075 | N/A |
| *Degelia plumbea* | GB | Madeira; Myllys et al. 2007 | -- | -- | -- | -- | -- | 119690755 | N/A |
| *Encephalartos natalensis* | GB | Italy; O'Brien et al. 2005 | -- | -- | -- | -- | -- | 82470949 | N/A |
| *Enchylium polycarpon* 1 | GB | Spain; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278455 | N/A |
| *E. polycarpon* 2 | GB | Spain; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278452 | N/A |
| *E. tenax* 1 | GB | Spain; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278473 | N/A |
| *E. tenax* 2 | GB | Spain; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278470 | N/A |
| *E. tenax* 3 | GB | Spain; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278467 | N/A |
| *Fischerella muscicola* | GB | New Zealand; O'Brien et al. 2005 | N/A | N/A | N/A | N/A | N/A | 82471045 | N/A |
| *Geosiphon pyriforme* | GB | Germany; O'Brien et al. 2005 | N/A | N/A | N/A | N/A | N/A | 82471096 | N/A |
| *G. pyriforme* | GB | Germany; O'Brien et al. 2005 | N/A | N/A | N/A | N/A | N/A | 82470943 | N/A |
| *Gunnera manicata* | GB | Germany; O'Brien et al. 2005 | N/A | N/A | N/A | N/A | N/A | 82471093 | N/A |
| *Lathagrium auriforme* 1 | GB | Spain; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278410 | N/A |
| *L. auriforme* 2 | GB | Spain; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278407 | N/A |
| *L. undulatum* 1 | GB | Spain; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278428 | N/A |
| *L. undulatum* 2 | GB | Spain; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278425 | N/A |
| *Leptogium austroamericanum* 1 | GB | Argentina; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278479 | N/A |
| *L. austroamericanum* 2 | GB | Colombia; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278476 | N/A |
| *L. azureum* 1 | GB | Argentina; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278488 | N/A |
| *L. azureum* 2 | GB | Chile; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278485 | N/A |
| *L. azureum* 3 | GB | Brazil; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278482 | N/A |
| *L. brebissonii* 1 | GB | Spain; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278494 | N/A |
| *L. brebissonii* 2 | GB | Spain; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278491 | N/A |
| *L. corniculatum* 1 | GB | Spain; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278497 | N/A |
| *L. corniculatum* 2 | GB | Spain; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278500 | N/A |
| *L. corticola* 1 | GB | Costa Rica; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278503 | N/A |
| *L. corticola* 2 | GB | USA; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278506 | N/A |
| *L. cyanescens* 1 | GB | Spain; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278515 | N/A |
| *L. cyanescens* 2 | GB | USA; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278512 | N/A |
| *L. cyanescens* 3 | GB | Panama; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278509 | N/A |
| *L. furfuraceum* 1 | GB | Croatia; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278530 | N/A |
| *L. furfuraceum* 2 | GB | Portugal; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278533 | N/A |
| *L. furfuraceum* 3 | GB | Portugal; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278536 | N/A |
| *L. furfuraceum* 4 | GB | Spain; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278518 | N/A |
| *L. furfuraceum* 5 | GB | Spain; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278521 | N/A |
| *L. furfuraceum* 6 | GB | Spain; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278524 | N/A |
| *L. furfuraceum* 7 | GB | Spain; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278527 | N/A |
| *L. pseudofurfuraceum* 1 | GB | Argentina; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278587 | N/A |
| *L. pseudofurfuraceum* 2 | GB | USA; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278578 | N/A |
| *L. pseudofurfuraceum* 3 | GB | USA; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278584 | N/A |
| *L. pseudofurfuraceum* 4 | GB | USA; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278581 | N/A |
| *L. pseudofurfuraceum* 5 | GB | Argentina; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278590 | N/A |
| *L. saturninum* 1 | GB | Finland; Stenroos et al. 2006 | -- | -- | -- | -- | -- | 82779971 | N/A |
| *L. saturninum* 2 | GB | Finland; Stenroos et al. 2006 | -- | -- | -- | -- | -- | 82779970 | N/A |
| *L. saturninum* 3 | GB | France; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278602 | N/A |
| *L. saturninum* 4 | GB | Spain; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278605 | N/A |
| *L. saturninum* 5 | GB | USA; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278608 | N/A |
| *L. saturninum* 6 | GB | Canada; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278599 | N/A |
| *Lobaria amplissima* | GB | Norway; Stenroos et al. 2006 | -- | -- | -- | -- | -- | 82779934 | N/A |
| *L. amplissima* | GB | Norway; Stenroos et al. 2006 | -- | -- | -- | -- | -- | 82779933 | N/A |
| *L. amplissima* | GB | Austria; O'Brien et al. 2005 | -- | -- | -- | -- | -- | 82471018 | N/A |
| *L. hallii* | GB | USA; O'Brien et al. 2005 | -- | -- | -- | -- | -- | 82471021 | N/A |
| *L. kukorawa* | GB | China; O'Brien et al. 2013 | -- | -- | -- | -- | -- | 455476652 | N/A |
| *L. kukorawa* | GB | China; O'Brien et al. 2013 | -- | -- | -- | -- | -- | 455476646 | N/A |
| *L. pulmonaria* | OG6 | USA, North Carolina, N. Magain s.n., DUKE | -- | KX869860 | KX880302 | -- | -- | -- | N/A |
| *L. pulmonaria* | GB | Finland; Myllys et al. 2007 | -- | -- | -- | -- | -- | 119690773 | N/A |
| *L. pulmonaria* | GB | Finland; Myllys et al. 2007 | -- | -- | -- | -- | -- | 119690770 | N/A |
| *L. pulmonaria* | GB | Finland; Myllys et al. 2007 | -- | -- | -- | -- | -- | 119690767 | N/A |
| *L. pulmonaria* | GB | Finland; Myllys et al. 2007 | -- | -- | -- | -- | -- | 119690776 | N/A |
| *L. pulmonaria* | GB | Finland; Myllys et al. 2007 | -- | -- | -- | -- | -- | 119690779 | N/A |
| *L. pulmonaria* | GB | Finland; Myllys et al. 2007 | -- | -- | -- | -- | -- | 119690782 | N/A |
| *L. pulmonaria* | GB | Finland; Myllys et al. 2007 | -- | -- | -- | -- | -- | 119690764 | N/A |
| *L. pulmonaria* | GB | Finland; Myllys et al. 2007 | -- | -- | -- | -- | -- | 119690758 | N/A |
| *L. pulmonaria* | GB | Finland; Myllys et al. 2007 | -- | -- | -- | -- | -- | 119690761 | N/A |
| *L. scrobiculata* | GB | Finland; Myllys et al. 2007 | -- | -- | -- | -- | -- | 119690785 | N/A |
| *Massalongia carnosa* | GB | USA; O'Brien et al. 2005 | -- | -- | -- | -- | -- | 82471024 | N/A |
| *M. carnosa* | GB | Finland; Stenroos et al. 2006 | -- | -- | -- | -- | -- | 82779969 | N/A |
| *Nephroma arcticum* | GB | Canada, British Columbia; O'Brien et al. 2013 | -- | -- | -- | -- | -- | 455476562 | HT26, IV |
| *N. arcticum* | GB | Canada, British Columbia; O'Brien et al. 2013 | -- | -- | -- | -- | -- | 455476565 | HT27, IV |
| *N. arcticum* | GB | Canada, Québec; O'Brien et al. 2013 | -- | -- | -- | -- | -- | 455476628 | XIa |
| *N. bellum* | OG4 | Norway; N. Magain s.n.; LG | -- | KX869861 | KX880303 | -- | -- | -- | N/A |
| *N. bellum* | GB | Finland; Myllys et al. 2007 | -- | -- | -- | -- | -- | 119690791 | N/A |
| *N. bellum* | GB | Finland; Myllys et al. 2007 | -- | -- | -- | -- | -- | 119690803 | N/A |
| *N. bellum* | GB | Finland; Myllys et al. 2007 | -- | -- | -- | -- | -- | 119690788 | N/A |
| *N. bellum* | GB | Finland; Myllys et al. 2007 | -- | -- | -- | -- | -- | 119690794 | N/A |
| *N. bellum* | GB | Finland; Myllys et al. 2007 | -- | -- | -- | -- | -- | 119690797 | N/A |
| *N. bellum* | GB | Finland; Myllys et al. 2007 | -- | -- | -- | -- | -- | 119690800 | N/A |
| *N. bellum* | GB | Austria; O'Brien et al. 2005 | -- | -- | -- | -- | -- | 82471027 | N/A |
| *N. bellum\** | GB | Canada, British Columbia; O'Brien et al. 2013 | -- | -- | -- | -- | -- | 455476436 | HT12 |
| *N. helveticum* | GB | Canada; O'Brien et al. 2005 | -- | -- | -- | -- | -- | 82471030 | N/A |
| *N. laevigatum* | GB | Finland; Myllys et al. 2007 | -- | -- | -- | -- | -- | 119690806 | N/A |
| *N. laevigatum* | GB | Finland; Myllys et al. 2007 | -- | -- | -- | -- | -- | 119690809 | N/A |
| *N. parile* | GB | Canada, British Columbia; O'Brien et al. 2013 | -- | -- | -- | -- | -- | 455476439 | HT05 |
| *N. parile* | OG3 | Norway; N. Magain s.n.; LG | -- | KX869862 | -- | -- | -- | -- | N/A |
| *N. parile* | GB | Finland; Myllys et al. 2007 | -- | -- | -- | -- | -- | 119690812 | N/A |
| *N. parile* | GB | Finland; Myllys et al. 2007 | -- | -- | -- | -- | -- | 119690818 | N/A |
| *N. parile* | GB | Finland; Myllys et al. 2007 | -- | -- | -- | -- | -- | 119690821 | N/A |
| *N. parile* | GB | Finland; Myllys et al. 2007 | -- | -- | -- | -- | -- | 119690815 | N/A |
| *N. resupinatum* | GB | Canada, Québec; O'Brien et al. 2013 | -- | -- | -- | -- | -- | 455476634 | N/A |
| *N. resupinatum* | GB | Finland; Myllys et al. 2007 | -- | -- | -- | -- | -- | 119690824 | N/A |
| *N. resupinatum* | GB | Finland; Myllys et al. 2007 | -- | -- | -- | -- | -- | 119690827 | N/A |
| *N. tangeriense* | GB | Madeira; Myllys et al. 2007 | -- | -- | -- | -- | -- | 119690830 | N/A |
| *Nostoc calcicola* | GB | Czech Republic; Rajaniemi et al. 2005 | N/A | N/A | N/A | N/A | N/A | 55650826 | N/A |
| *N. calcicola* | GB | Czech Republic; Rajaniemi et al. 2005 | N/A | N/A | N/A | N/A | N/A | 55650829 | N/A |
| *N. commune* | GB | USA; O'Brien et al. 2005 | N/A | N/A | N/A | N/A | N/A | 82470988 | N/A |
| *N. commune* | GB | China; Rudi et al. 1998 | N/A | N/A | N/A | N/A | N/A | 2463296 | N/A |
| *N. edaphicum* | GB | Czech Republic; Rajaniemi et al. 2005 | N/A | N/A | N/A | N/A | N/A | 55650832 | N/A |
| *N. ellipsorum* | GB | Czech Republic; Rajaniemi et al. 2005 | N/A | N/A | N/A | N/A | N/A | 55650835 | N/A |
| *N. flagelliforme* | GB | China; Rudi et al. 1998 | N/A | N/A | N/A | N/A | N/A | 2463302 | N/A |
| *N. muscorum* | GB | France; O'Brien et al. 2005 | N/A | N/A | N/A | N/A | N/A | 82471087 | N/A |
| *N. punctiforme* | GB | France; O'Brien et al. 2005 | N/A | N/A | N/A | N/A | N/A | 82471099 | N/A |
| *Nostoc* sp. | GB | Unknown; Fewer et al. 2007 | N/A | N/A | N/A | N/A | N/A | 159154307 | N/A |
| *Nostoc* sp. | GB | Unknown; Kaneko et al. 2001 | N/A | N/A | N/A | N/A | N/A | 47118302 | N/A |
| *Nostoc* sp. | GB | Unknown; Tomitani et al. 2006 | N/A | N/A | N/A | N/A | N/A | 89241989 | N/A |
| *Nostoc* sp. | GB | Svalbard, Norway; Rudi et al. 1998 | N/A | N/A | N/A | N/A | N/A | 2463317 | N/A |
| *Nostoc* sp. | GB | Unknown; Fewer et al. 2007 | N/A | N/A | N/A | N/A | N/A | 159154309 | N/A |
| *Nostoc* sp. | GB | USA, Rudi et al. 1998 | N/A | N/A | N/A | N/A | N/A | 2463308 | N/A |
| *Nostoc* sp. | GB | Indonesia; O'Brien et al. 2005 | N/A | N/A | N/A | N/A | N/A | 82471039 | N/A |
| *Nostoc* sp. | GB | Senegel; O'Brien et al. 2005 | N/A | N/A | N/A | N/A | N/A | 82471051 | N/A |
| *Nostoc* sp. | GB | Finland; Rajaniemi et al. 2005 | N/A | N/A | N/A | N/A | N/A | 55650727 | N/A |
| *Nostoc* sp. | GB | Unknown; Kaneko et al. 2001 | N/A | N/A | N/A | N/A | N/A | 17227497 | N/A |
| *Nostoc* sp. | GB | Norway; Rudi et al. 1998 | N/A | N/A | N/A | N/A | N/A | 2463311 | N/A |
| *Nostoc* sp. | GB | Antarctica; Rudi et al. 1998 | N/A | N/A | N/A | N/A | N/A | 2463314 | N/A |
| *Pannaria conoplea* | GB | Austria; O'Brien et al. 2005 | -- | -- | -- | -- | -- | 82471033 | N/A |
| *Parmeliella triptophylla* | GB | Finland; Myllys et al. 2007 | -- | -- | -- | -- | -- | 119690836 | N/A |
| *P. triptophylla* | GB | Finland; Myllys et al. 2007 | -- | -- | -- | -- | -- | 119690839 | N/A |
| *P. triptophylla* | GB | Finland; Myllys et al. 2007 | -- | -- | -- | -- | -- | 119690842 | N/A |
| *P. triptophylla* | GB | Finland; Myllys et al. 2007 | -- | -- | -- | -- | -- | 119690845 | N/A |
| *Protopannaria pezizoides* | GB | Finland; Myllys et al. 2007 | -- | -- | -- | -- | -- | 119690833 | N/A |
| *Parmotrema tinctorum* | GB | Unknown; Lei et al. 2008 | -- | -- | -- | -- | -- | 190147520 | N/A |
| *P. tinctorum* | GB | Unknown; Lei et al. 2008 | -- | -- | -- | -- | -- | 190147518 | N/A |
| *P. tinctorum* | GB | Unknown; Lei et al. 2008 | -- | -- | -- | -- | -- | 190147522 | N/A |
| *Protopannaria pezizoides* | GB | Finland; Stenroos et al. 2006 | -- | -- | -- | -- | -- | 82779965 | N/A |
| *Pseudocyphellaria clathrata* | GB | Brazil; Stenroos et al. 2006 | -- | -- | -- | -- | -- | 82779936 | N/A |
| *P. coriifolia* | GB | Argentina; Stenroos et al. 2006 | -- | -- | -- | -- | -- | 82779949 | N/A |
| *P. coriifolia* | GB | Argentina; Stenroos et al. 2006 | -- | -- | -- | -- | -- | 82779938 | N/A |
| *P. coriifolia* | GB | Argentina; Stenroos et al. 2006 | -- | -- | -- | -- | -- | 82779955 | N/A |
| *P. crocata* | GB | Madeira; Myllys et al. 2007 | -- | -- | -- | -- | -- | 119690910 | N/A |
| *P. crocata* | GB | Argentina; Stenroos et al. 2006 | -- | -- | -- | -- | -- | 82779944 | N/A |
| *P. crocata* | GB | Argentina; Stenroos et al. 2006 | -- | -- | -- | -- | -- | 82779943 | N/A |
| *P. crocata* | GB | Canada; Stenroos et al. 2006 | -- | -- | -- | -- | -- | 82779935 | N/A |
| *P. crocata* | GB | Argentina; Stenroos et al. 2006 | -- | -- | -- | -- | -- | 82779942 | N/A |
| *P. crocata* | GB | Argentina; Stenroos et al. 2006 | -- | -- | -- | -- | -- | 82779945 | N/A |
| *P. crocata* | GB | Argentina; Stenroos et al. 2006 | -- | -- | -- | -- | -- | 82779948 | N/A |
| *P. crocata* | GB | Thailand; Stenroos et al. 2006 | -- | -- | -- | -- | -- | 82779952 | N/A |
| *P. crocata* | GB | Mauritius; Stenroos et al. 2006 | -- | -- | -- | -- | -- | 82779954 | N/A |
| *P. hirsuta* | GB | Argentina; Stenroos et al. 2006 | -- | -- | -- | -- | -- | 82779940 | N/A |
| *P. hirsuta* | GB | Argentina; Stenroos et al. 2006 | -- | -- | -- | -- | -- | 82779975 | N/A |
| *P. hirsuta* | GB | Argentina; Stenroos et al. 2006 | -- | -- | -- | -- | -- | 82779947 | N/A |
| *P. intricata* | GB | Reunion Island; Stenroos et al. 2006 | -- | -- | -- | -- | -- | 82779953 | N/A |
| *P. intricata* | GB | Argentina; Stenroos et al. 2006 | -- | -- | -- | -- | -- | 82779946 | N/A |
| *P. intricata* | GB | Argentina; Stenroos et al. 2006 | -- | -- | -- | -- | -- | 82779939 | N/A |
| *P. mallota* | GB | Argentina; Stenroos et al. 2006 | -- | -- | -- | -- | -- | 82779951 | N/A |
| *P. mallota* | GB | Argentina; Stenroos et al. 2006 | -- | -- | -- | -- | -- | 82779937 | N/A |
| *P. pilosella* | GB | Argentina; Stenroos et al. 2006 | -- | -- | -- | -- | -- | 82779950 | N/A |
| *P. scabrosa* | GB | Argentina; Stenroos et al. 2006 | -- | -- | -- | -- | -- | 82779974 | N/A |
| *P. scabrosa* | GB | Argentina; Stenroos et al. 2006 | -- | -- | -- | -- | -- | 82779941 | N/A |
| *Scytinium gelatinosum* 1 | GB | Spain; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278542 | N/A |
| *S. gelatinosum* 2 | GB | USA; O'Brien et al. 2005 | -- | -- | -- | -- | -- | 82471015 | N/A |
| *S. gelatinosum* 3 | GB | Spain; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278539 | N/A |
| *S. lichenoides* 1 | GB | Sweden; Otálora et al. 2010 | -- | -- | -- | -- | -- | 241913791 | N/A |
| *S. lichenoides* 2 | GB | Spain; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278548 | N/A |
| *S. lichenoides* 3 | GB | Spain; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278545 | N/A |
| *S. lichenoides* 4 | GB | Spain; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278551 | N/A |
| *S. lichenoides* 5 | GB | Portugal; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278554 | N/A |
| *S. lichenoides* 6 | GB | Spain; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278557 | N/A |
| *S. magnusonii* 1 | GB | Spain; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278566 | N/A |
| *S. magnusonii* 2 | GB | Spain; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278569 | N/A |
| *S. magnusonii* 3 | GB | Sweden; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278560 | N/A |
| *S. magnusonii* 4 | GB | Denmark; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278563 | N/A |
| *S. magnusonii* 5 | GB | Sweden; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278575 | N/A |
| *S. magnusonii* 6 | GB | Spain; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278572 | N/A |
| *S. pulvinatum* 1 | GB | Spain; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278596 | N/A |
| *S. pulvinatum* 2 | GB | Spain; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278593 | N/A |
| *S. schraderi* 1 | GB | Spain; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278614 | N/A |
| *S. schraderi* 2 | GB | Spain; Otálora et al. 2010 | -- | -- | -- | -- | -- | 205278611 | N/A |
| *Solorina crocea* | OG14 | Russia, Karelia; T. Ahti s.n.; PTZ | -- | 123979314 | 123979355 | -- | -- | -- | N/A |
| *S. saccata* | OG13 | Russia, Karelia; T. Ahti s.n.; PTZ | -- | -- | KX880304 | -- | -- | -- | N/A |
| *Stangeria paradosa* | GB | England; O'Brien et al. 2005 | N/A | N/A | N/A | N/A | N/A | 82471078 | N/A |
| *Stereocaulon exutum* | GB | Japan; Stenroos et al. 2006 | -- | -- | -- | -- | -- | 82779962 | N/A |
| *S. fronduliferum* | GB | New Zealand; Stenroos et al. 2006 | -- | -- | -- | -- | -- | 82779963 | N/A |
| *S. tomentosum* | GB | Argentina; Stenroos et al. 2006 | -- | -- | -- | -- | -- | 82779964 | N/A |
| *Sticta beauvoisii* | GB | USA; O'Brien et al. 2005 | -- | -- | -- | -- | -- | 82471006 | N/A |
| *S. fuliginosa* | GB | USA; O'Brien et al. 2005 | -- | -- | -- | -- | -- | 82471102 | N/A |
| *S. gaudichaldia* | GB | Argentina; Stenroos et al. 2006 | -- | -- | -- | -- | -- | 82779960 | IV |
| *S. hypochra* | GB | Argentina; Stenroos et al. 2006 | -- | -- | -- | -- | -- | 82779959 | IV |
| *S. hypochra* | GB | Argentina; Stenroos et al. 2006 | -- | -- | -- | -- | -- | 82779958 | IV |
| *S. hypochra* | GB | Argentina; Stenroos et al. 2006 | -- | -- | -- | -- | -- | 82779957 | IV |
| *S. hypochra* | GB | Argentina; Stenroos et al. 2006 | -- | -- | -- | -- | -- | 82779956 | IV |
| *S. hypochra* | GB | Argentina; Stenroos et al. 2006 | -- | -- | -- | -- | -- | 82779961 | IV |
| *Trichormus variabilis* | GB | Russia; Rajaniemi et al. 2005 | N/A | N/A | N/A | N/A | N/A | 55650847 | N/A |
| *Vahliella leucophaea* | GB | Finland; Stenroos et al. 2006 | -- | -- | -- | -- | -- | 82779966 | N/A |