**Table S2.** Thalli included in the interaction matrix, with the identity of the mycobiont species, cyanobiont phylogroup, and information about country and region of origin of the thalli. Region codes: BOR=Boreal, PNW=Pacific Northwest, NAM=North America, NEO=Neotropics, NEA=Argentina and Chile, AFR=Africa, ASI=Asia, AUS=Australasia, PNG=Papua New Guinea. Abbreviations: HOK=Hokkaido, HON=Honshu, JIL=Jilin, KAM=Kamchatka, KHA=Khabarovsk, KRA=Krasnoyarsk, SAKH=Sakhalin, SIB=Siberia, SIC=Sichuan, YU=Yunnan.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Mycobiont species | Name in matrix | Cyano-biont phylo-group | Reference number | Country | Region code |
| *P. andensis* | andensis | XXXIX | P902 | Colombia | NEO |
| *P. andensis* | andensis | XXXIX | P1730 | Peru | NEO |
| *P. antarctica* | antarctica | unique3 | P2065 | Chile | NEA |
| *P. antarctica* | antarctica | VI | P0442 | Chile | NEA |
| *P. antarctica* | antarctica | VI | P0077 | Chile | NEA |
| *P. antarctica* | antarctica | XXV | P2044 | Chile | NEA |
| *P. antarctica* | antarctica | XXX | P2034 | Argentina | NEA |
| *P. aphthosa* 1 | aphthosa1 | VI | P1332 | Canada:QC | BOR |
| *P. aphthosa* 1 | aphthosa1 | VI | P1340 | Canada:QC | BOR |
| *P. aphthosa* 1 | aphthosa1 | XVIII | P1330 | Canada:QC | BOR |
| *P. aphthosa* 2 | aphthosa2 | IV | P1312 | USA:AK | BOR |
| *P. aphthosa* 2 | aphthosa2 | IV | P281 | USA:AK | BOR |
| *P. aphthosa* 2 | aphthosa2 | VI | P1309 | USA:AK | BOR |
| *P. aphthosa* 3 | aphthosa3 | IV | P4025 | Canada:QC | BOR |
| *P. aphthosa* 3 | aphthosa3 | IV | P776 | Russia:KAM | BOR |
| *P. aphthosa* 4 | aphthosa4 | IV | P1184 | Finland | BOR |
| *P. aphthosa* 4 | aphthosa4 | IV | P4043 | USA:AK | BOR |
| *P. aphthosa* 4 | aphthosa4 | IV | P790 | Norway | BOR |
| *P. aphthosa* 4 | aphthosa4 | IV | P1323 | USA:AK | BOR |
| *P. aphthosa* 4 | aphthosa4 | VI | P1336 | Canada:QC | BOR |
| *P. aphthosa* 5 | aphthosa5 | IV | HOB020708-0-5-7 | Canada:BC | PNW |
| *P. aphthosa* 5 | aphthosa5 | IV | HOB020708-35-5-4 | Canada:BC | PNW |
| *P. aphthosa* 5 | aphthosa5 | IV | HOB020708-35-5-6 | Canada:BC | PNW |
| *P. aphthosa* 5 | aphthosa5 | IV | HOB020708-4-1-5 | Canada:BC | PNW |
| *P. aphthosa* 5 | aphthosa5 | IV | HOB020708-4-1-9 | Canada:BC | PNW |
| *P. aphthosa* 5 | aphthosa5 | IV | HOB020708-4-5-7 | Canada:BC | PNW |
| *P. aphthosa* 5 | aphthosa5 | IV | HOB020708-66-9-10 | Canada:BC | PNW |
| *P. aphthosa* 5 | aphthosa5 | IV | HOB020708-66-9-6 | Canada:BC | PNW |
| *P. aphthosa* 5 | aphthosa5 | IV | HOB020708-66-9-8 | Canada:BC | PNW |
| *P. aphthosa* 5 | aphthosa5 | IV | HOB020708-8-5-9 | Canada:BC | PNW |
| *P. aphthosa* 5 | aphthosa5 | IV | HOB020708-8-9-5 | Canada:BC | PNW |
| *P. aphthosa* 5 | aphthosa5 | IV | HOB040605-03-1 | Canada:BC | PNW |
| *P. aphthosa* 5 | aphthosa5 | IV | HOB040605-09-2 | Canada:BC | PNW |
| *P. aphthosa* 5 | aphthosa5 | IV | P1172 | USA:MN | BOR |
| *P. aphthosa* 5 | aphthosa5 | IV | P1185 | Sweden | BOR |
| *P. aphthosa* 5 | aphthosa5 | IV | P1189 | Sweden | BOR |
| *P. aphthosa* 5 | aphthosa5 | IV | P226 | Canada:BC | PNW |
| *P. aphthosa* 5 | aphthosa5 | IV | P4048 | Canada:ON | BOR |
| *P. aphthosa* 5 | aphthosa5 | IV | P4049 | Canada:ON | BOR |
| *P. aphthosa* 5 | aphthosa5 | IV | P5002 | Canada:QC | BOR |
| *P. aphthosa* 5 | aphthosa5 | IV | P5003 | Canada:QC | BOR |
| *P. aphthosa* 5 | aphthosa5 | IV | P5005 | Canada:QC | BOR |
| *P. aphthosa* 5 | aphthosa5 | IV | P5007 | Canada:QC | BOR |
| *P. aphthosa* 5 | aphthosa5 | IV | P5046 | Canada:QC | BOR |
| *P. aphthosa* 5 | aphthosa5 | IV | P5053 | Canada:QC | BOR |
| *P. aphthosa* 5 | aphthosa5 | IV | P5054 | Canada:QC | BOR |
| *P. aphthosa* 5 | aphthosa5 | IV | P5056 | Canada:QC | BOR |
| *P. aphthosa* 5 | aphthosa5 | IV | P5057 | Canada:QC | BOR |
| *P. aphthosa* 5 | aphthosa5 | IV | P5080 | Canada:QC | BOR |
| *P. aphthosa* 5 | aphthosa5 | IV | P708 | USA:AK | BOR |
| *P. aphthosa* 5 | aphthosa5 | IV | P709 | USA:AK | BOR |
| *P. aphthosa* 5 | aphthosa5 | IV | P725 | Canada:QC | BOR |
| *P. aphthosa* 5 | aphthosa5 | IV | P726 | Canada:QC | BOR |
| *P. aphthosa* 5 | aphthosa5 | IV | P727 | Canada:QC | BOR |
| *P. aphthosa* 5 | aphthosa5 | IV | P741 | Canada:QC | BOR |
| *P. aphthosa* 5 | aphthosa5 | IV | P774 | Russia:Kras | BOR |
| *P. aphthosa* 5 | aphthosa5 | V | P201 | Canada:BC | PNW |
| *P. aphthosa* 5 | aphthosa5 | VI | HOB020708-4-9-5 | Canada:BC | PNW |
| *P. aphthosa* 5 | aphthosa5 | VI | HOB020708-62-5-10 | Canada:BC | PNW |
| *P. aphthosa* 5 | aphthosa5 | VI | HOB020708-70-9-10 | Canada:BC | PNW |
| *P. aphthosa* 5 | aphthosa5 | VI | P1114 | Canada:AB | BOR |
| *P. aphthosa* 5 | aphthosa5 | VI | HOB020708-31-1-8 | Canada:BC | PNW |
| *P. aphthosa* 5 | aphthosa5 | VI | HOB020708-35-5-5 | Canada:BC | PNW |
| *P. aphthosa* 5 | aphthosa5 | VI | HOB020708-39-1-9 | Canada:BC | PNW |
| *P. aphthosa* 5 | aphthosa5 | VI | HOB020708-4-9-4 | Canada:BC | PNW |
| *P. aphthosa* 5 | aphthosa5 | VI | HOB020708-4-9-6 | Canada:BC | PNW |
| *P. aphthosa* 5 | aphthosa5 | VI | HOB020708-4-9-7 | Canada:BC | PNW |
| *P. aphthosa* 5 | aphthosa5 | VI | HOB020708-62-5-6 | Canada:BC | PNW |
| *P. aphthosa* 5 | aphthosa5 | VI | HOB020708-66-5-10 | Canada:BC | PNW |
| *P. aphthosa* 5 | aphthosa5 | VI | HOB020708-66-5-6 | Canada:BC | PNW |
| *P. aphthosa* 5 | aphthosa5 | VI | HOB020708-8-5-10 | Canada:BC | PNW |
| *P. aphthosa* 5 | aphthosa5 | VI | HOB020708-8-5-3 | Canada:BC | PNW |
| *P. aphthosa* 5 | aphthosa5 | VI | HOB020708-8-5-7 | Canada:BC | PNW |
| *P. aquatica* | aquatica | H1 | HV12 | USA:OR | PNW |
| *P. aquatica* | aquatica | H1 | HV19 | USA:OR | PNW |
| *P. aquatica* | aquatica | H1 | HV16 | USA:CA | NAM |
| *P. aquatica* | aquatica | H2 | HV17 | USA:OR | PNW |
| *P. aquatica* | aquatica | H2 | P1430 | USA:WA | PNW |
| *P. aquatica* | aquatica | H2 | HV18 | USA:OR | PNW |
| *P. aquatica* | aquatica | H2 | P1434 | USA:OR | PNW |
| *P.* *aubertii* | aubertii | unique5 | P2066 | Chile | NEA |
| *P.* *aubertii* | aubertii | XXII | P2037 | Chile | NEA |
| *P.* *aubertii* | aubertii | XXII | P2040 | Chile | NEA |
| *P.* *aubertii* | aubertii | XXII | P2042 | Chile | NEA |
| *P.* *aubertii* | aubertii | XXIII | P2056 | Chile | NEA |
| *P. austroamericana/fibrilloides* 1 | austroamericana1 | V | P0408 | Colombia | NEO |
| *P. austroamericana/fibrilloides* 1 | austroamericana1 | XXXIX | P0027 | Costa Rica | NEO |
| *P. austroamericana/fibrilloides* 2 | austroamericana2 | XXXIX | P2059 | Mexico | NEO |
| *P. austroamericana/fibrilloides* 3 | austroamericana3 | XXXIX | P2048 | Peru | NEO |
| *P. austroamericana/fibrilloides* 3 | austroamericana3 | XXXIX | P2197 | Ecuador | NEO |
| *P. austroamericana/fibrilloides* 3 | austroamericana3 | XXXIX | P2073 | Peru | NEO |
| *P. austroamericana/fibrilloides* 3 | austroamericana3 | XXXIX | P2076 | Colombia | NEO |
| *P. austroamericana/fibrilloides* 4 | austroamericana4 | XL | P0032 | Costa Rica | NEO |
| *P. austroamericana/fibrilloides* 4 | austroamericana4 | XL | P0054 | Costa Rica | NEO |
| *P. austroamericana/fibrilloides* 4 | austroamericana4 | XXXIX | P0038 | Costa Rica | NEO |
| *P. austroamericana/fibrilloides* 4 | austroamericana4 | XXXIX | P2060 | Mexico | NEO |
| *P. austroamericana/fibrilloides* 4 | austroamericana4 | XXXIX | P0025 | Costa Rica | NEO |
| *P. austroamericana/fibrilloides* 5 | austroamericana5 | V | P1598 | Brazil | NEO |
| *P. austroamericana/fibrilloides* 5 | austroamericana5 | V | P2010 | Brazil | NEO |
| *P. austroamericana/fibrilloides* 5 | austroamericana5 | V | P2011 | Brazil | NEO |
| *P. austroamericana/fibrilloides* 5 | austroamericana5 | V | P2033 | Brazil | NEO |
| *P. austroamericana/fibrilloides* 5 | austroamericana5 | XXXIX | P2019 | Ecuador | NEO |
| *P. austroamericana/fibrilloides* 5 | austroamericana5 | XXXIX | P2052 | Bolivia | NEO |
| *P. austroamericana/fibrilloides* 5 | austroamericana5 | XXXIX | P1738 | Peru | NEO |
| *P. austroamericana/fibrilloides* 6 | austroamericana6 | XXXIX | P2055 | Peru | NEO |
| *P. britannica* | britannica | IV | HOB040605-04-3 | Canada:BC | PNW |
| *P. britannica* | britannica | IV | HOB040605-06-3 | Canada:BC | PNW |
| *P. britannica* | britannica | IV | HOB040605-07-2 | Canada:BC | PNW |
| *P. britannica* | britannica | IV | P1033 | Norway | BOR |
| *P. britannica* | britannica | IV | P1050 | US:OR | PNW |
| *P. britannica* | britannica | IV | P1080 | US:WA | PNW |
| *P. britannica* | britannica | IV | P1324 | Canada:BC | PNW |
| *P. britannica* | britannica | IV | P227 | Canada:BC | PNW |
| *P. britannica* | britannica | IV | P228 | Canada:BC | PNW |
| *P. britannica* | britannica | IV | P229 | Canada:BC | PNW |
| *P. britannica* | britannica | IV | P1078 | Canada:YT | BOR |
| *P. britannica* | britannica | VI | HOB030611-10-0-1 | Canada:BC | PNW |
| *P. britannica* | britannica | VI | HOB030611-5-5-1 | Canada:BC | PNW |
| *P. britannica* | britannica | VI | HOB030611-0-5-2 | Canada:BC | PNW |
| *P. britannica* | britannica | VI | HOB020708-39-1-7 | Canada:BC | PNW |
| *P. britannica* | britannica | VI | HOB020708-66-5-7 | Canada:BC | PNW |
| *P. britannica* | britannica | VI | HOB020708-66-5-8 | Canada:BC | PNW |
| *P. britannica* | britannica | VI | HOB020708-0-1-9 | Canada:BC | PNW |
| *P. britannica* | britannica | VI | HOB020708-39-1-10 | Canada:BC | PNW |
| *P. britannica* | britannica | VI | HOB030611-0-10-2 | Canada:BC | PNW |
| *P. britannica* | britannica | VI | HOB020708-31-5-6 | Canada:BC | PNW |
| *P. britannica* | britannica | VI | HOB030611-0-10-1 | Canada:BC | PNW |
| *P. britannica* | britannica | VI | HOB030611-0-5-1 | Canada:BC | PNW |
| *P. britannica* | britannica | VI | P200 | Canada:AB | BOR |
| *P. britannica* | britannica | VI | P1066 | USA:WY | BOR |
| *P. britannica* | britannica | VI | P285 | Canada:AB | BOR |
| *P. britannica* | britannica | XXX | HOB040605-02-3 | Canada:BC | PNW |
| *P. canina* 1 | canina1 | V | HOB030611-10-10-4 | Canada:BC | PNW |
| *P. canina* 1 | canina1 | V | HOB12 | Canada:BC | PNW |
| *P. canina* 1 | canina1 | V | P1411 | Russia:Kras | BOR |
| *P. canina* 1 | canina1 | V | P1412 | Russia:Kras | BOR |
| *P. canina* 1 | canina1 | V | P2032 | Russia:Kras | BOR |
| *P. canina* 1 | canina1 | V | P2113 | Austria | EUR |
| *P. canina* 1 | canina1 | V | P2120 | Switzerland | EUR |
| *P. canina* 1 | canina1 | VI | HOB030611-0-0-6 | Canada:BC | PNW |
| *P. canina* 1 | canina1 | VI | HOB030611-0-0-7 | Canada:BC | PNW |
| *P. canina* 1 | canina1 | VI | HOB030611-0-10-4 | Canada:BC | PNW |
| *P. canina* 1 | canina1 | VI | HOB030611-10-0-3 | Canada:BC | PNW |
| *P. canina* 1 | canina1 | VI | HOB030611-10-0-5 | Canada:BC | PNW |
| *P. canina* 1 | canina1 | VI | HOB030611-10-0-6 | Canada:BC | PNW |
| *P. canina* 1 | canina1 | VI | HOB030611-5-10-6 | Canada:BC | PNW |
| *P. canina* 1 | canina1 | VI | HOB020708-0-1-1 | Canada:BC | PNW |
| *P. canina* 1 | canina1 | VI | HOB020708-0-1-2 | Canada:BC | PNW |
| *P. canina* 1 | canina1 | VI | HOB020708-0-1-3 | Canada:BC | PNW |
| *P. canina* 1 | canina1 | VI | HOB030611-10-5-2 | Canada:BC | PNW |
| *P. canina* 1 | canina1 | VI | HOB030611-10-5-5 | Canada:BC | PNW |
| *P. canina* 1 | canina1 | VI | HOB020708-39-5-2 | Canada:BC | PNW |
| *P. canina* 1 | canina1 | VI | P0014 | Iceland | BOR |
| *P. canina* 1 | canina1 | VI | P2213 | Canada:BC | PNW |
| *P. canina* 1 | canina1 | XXIX | P2118 | France | EUR |
| *P. canina* 1 | canina1 | XXIX | P2123 | France | EUR |
| *P. canina* 1 | canina1 | XXV | P2193 | Netherlands | EUR |
| *P. canina* 1 | canina1 | XXXI | P1827 | Papua New Guinea | PNG |
| *P. canina* 1 | canina1 | XXXI | P2158 | Papua New Guinea | PNG |
| *P. canina* 1 | canina1 | XXXVIIIa | P2097 | China:YU | ASI |
| *P. canina* 2 | canina2 | unique6 | P0663 | USA:NC | NAM |
| *P. canina* 2 | canina2 | unique6 | P2081 | USA:NC | NAM |
| *P. canina* 2 | canina2 | V | P2222 | USA:TN | NAM |
| *P. canina* 2 | canina2 | VI | P2190 | Canada:AB | BOR |
| *P. canina* 2 | canina2 | VI | HOB020708-31-5-1 | Canada:BC | PNW |
| *P. canina* 2 | canina2 | VI | HOB020708-31-5-2 | Canada:BC | PNW |
| *P. canina* 2 | canina2 | VI | HOB020708-70-1-3 | Canada:BC | PNW |
| *P. canina* 2 | canina2 | VI | HOB020708-70-5-2 | Canada:BC | PNW |
| *P. canina* 2 | canina2 | XXX | P2201 | USA:UT | NAM |
| *P. canina* 2 | canina2 | XXX | P2211 | USA:CO | NAM |
| *P. canina* 2 | canina2 | XXXIII | P0004 | Iceland | BOR |
| *P. canina* 2 | canina2 | XXXIII | P2221 | USA:MI | BOR |
| *P. canina* 2 | canina2 | XXXIV | P1483 | USA:MO | NAM |
| *P. canina* 2 | canina2 | XXXIV | P2090 | USA:OK | NAM |
| *P. canina* 2 | canina2 | XXXIV | P2126 | USA:NC | NAM |
| *P. canina* 2 | canina2 | XXXVIIIa | P0652 | USA:NC | NAM |
| *P. canina* 2 | canina2 | XXXVIIIa | P0655 | USA:NC | NAM |
| *P. canina* 2 | canina2 | XXXVIIIa | P2026 | USA:NC | NAM |
| *P. canina* 2 | canina2 | XXXVIIIa | P1319 | Canada:QC | BOR |
| *P. castanea* | castanea | XXXIII | P2102 | Russia:Kras | BOR |
| *P. chionophila* | chionophila | IV | P1140 | Canada:BC | PNW |
| *P. chionophila* | chionophila | IV | P1142 | Canada:BC | PNW |
| *P. chionophila* | chionophila | IV | P237 | Canada:BC | PNW |
| *P. chionophila* | chionophila | IV | P252 | Canada:BC | PNW |
| *P. chionophila* | chionophila | IV | P4039 | Canada:BC | PNW |
| *P. chionophila* | chionophila | IV | P4041 | Canada:BC | PNW |
| *P. cinnamomea* | cinnamomea | V | HOB040605-12-3 | Canada:BC | PNW |
| *P. cinnamomea* | cinnamomea | V | HOB030611-0-0-4 | Canada:BC | PNW |
| *P. cinnamomea* | cinnamomea | VI | HOB040605-11-2 | Canada:BC | PNW |
| *P. cinnamomea* | cinnamomea | VI | HOB030611-0-5-10 | Canada:BC | PNW |
| *P. cinnamomea* | cinnamomea | VI | HOB030611-0-5-7 | Canada:BC | PNW |
| *P. cinnamomea* | cinnamomea | XLII | P2141 | Canada:BC | PNW |
| *P. collina* | collina | unique9 | P1259 | Canada:BC | PNW |
| *P. collina* | collina | XXX | HOB040605-04-1 | Canada:BC | PNW |
| *P. collina* | collina | XXX | HOB040605-05-3 | Canada:BC | PNW |
| *P. collina* | collina | XXX | HOB040605-06-1 | Canada:BC | PNW |
| *P. collina* | collina | XXX | HOB040605-07-1 | Canada:BC | PNW |
| *P. collina* | collina | XXX | HOB040605-07-3 | Canada:BC | PNW |
| *P. continentalis* | continentalis | XXXII | NP29 | China:Ningxia | ASI |
| *P. continentalis* | continentalis | XXXIX | P1810 | Russia:Kras | BOR |
| *P. continentalis* | continentalis | XXXIX | P2099 | Russia:Kras | BOR |
| *P. degenii* 1 | degenii1 | V | P2130 | France | EUR |
| *P. degenii* 1 | degenii1 | XIII | P0586 | Norway | BOR |
| *P. degenii* 1 | degenii1 | XLIII | P0523 | Norway | BOR |
| *P. degenii* 1 | degenii1 | XLIII | P2170 | Ukraine | EUR |
| *P. degenii* 1 | degenii1 | XVI | P0563 | Norway | BOR |
| *P. degenii* 1 | degenii1 | XXX | P2108 | Austria | EUR |
| *P. degenii* 2 | degenii2 | unique10 | P2182 | Canada:QC | BOR |
| *P. degenii* 2 | degenii2 | V | P2107 | Canada:QC | BOR |
| *P. degenii* 2 | degenii2 | XIII | HOB040605-10-3 | Canada:BC | PNW |
| *P. degenii* 2 | degenii2 | XIII | P2139 | Russia:Kha | BOR |
| *P. degenii* 2 | degenii2 | XIII | P2183 | Canada:QC | BOR |
| *P. degenii* 2 | degenii2 | XIII | P3086 | Japan:HOK | BOR |
| *P. degenii* 2 | degenii2 | XLIII | P2147 | Canada:BC | PNW |
| *P. degenii* 2b | degenii2 | XIII | P2228 | Japan:HON | ASI |
| *P. degenii* 3a | degenii3a | V | P2137 | Russia:SAKH | BOR |
| *P. degenii* 3a | degenii3a | XLIII | P2136 | Russia:SAKH | BOR |
| *P. degenii* 3b | degenii3b | V | P1267 | China:JIL | BOR |
| *P. degenii* 3b | degenii3b | V | P2022 | Russia:Kurile | BOR |
| *P. degenii* 3b | degenii3b | V | P1276 | China:JIL | BOR |
| *P. degenii* 3c | degenii3c | V | P2023 | Japan:HON | ASI |
| *P. degenii* 3c | degenii3c | XXXII | ES3306 | Japan:HON | ASI |
| *P. didactyla* 1 | didactyla1 | unique11 | P2140 | Belgium | EUR |
| *P. didactyla* 1 | didactyla1 | unique12 | P2145 | New Zealand | AUS |
| *P. didactyla* 1 | didactyla1 | XXX | P2200 | USA:UT | NAM |
| *P. didactyla* 2 | didactyla2 | XXXII | NP2 | China:SIC | ASI |
| *P. didactyla* 2 | didactyla2 | XXXIII | P2217 | Russia:Kha | BOR |
| *P. didactyla* 3 | didactyla3 | XXX | P2110 | Canada:BC | PNW |
| *P. didactyla* 3 | didactyla3 | XXXV | P2109 | USA:PA | NAM |
| *P. dolichorhiza* | dolichorhiza | HT33 | P894 | Bolivia | NEO |
| *P. dolichorhiza* | dolichorhiza | HT42 | P29 | Costa Rica | NEO |
| *P. dolichorhiza* | dolichorhiza | V | P893 | Bolivia | NEO |
| *P. dolichorhiza* | dolichorhiza | XIX | N999 | Reunion | AFR |
| *P. dolichorhiza* | dolichorhiza | XIX | P28 | Costa Rica | NEO |
| *P. dolichorhiza* | dolichorhiza | XIX | N789 | Madagascar | AFR |
| *P. dolichorhiza* | dolichorhiza | XIX | P1558 | Brazil | NEO |
| *P. dolichorhiza* | dolichorhiza | XIX | P1568 | Brazil | NEO |
| *P. dolichorhiza* | dolichorhiza | XIX | P1596 | Brazil | NEO |
| *P. dolichorhiza* | dolichorhiza | XIX | P1599 | Brazil | NEO |
| *P. dolichorhiza* | dolichorhiza | XIX | P348 | Mexico | NEO |
| *P. dolichorhiza* | dolichorhiza | XIX | P879 | Rwanda | AFR |
| *P. dolichorhiza* | dolichorhiza | XIX | N1942 | Panama | NEO |
| *P. dolichorhiza* | dolichorhiza | XIX | P1603 | Brazil | NEO |
| *P. dolichorhiza* | dolichorhiza | XIX | P1563 | Brazil | NEO |
| *P. dolichorhiza* | dolichorhiza | XIX | P1574 | Brazil | NEO |
| *P. dolichorhiza* | dolichorhiza | XIX | P1646 | Brazil | NEO |
| *P. dolichorhiza* | dolichorhiza | XIX | P355 | Mexico | NEO |
| *P. dolichorhiza* | dolichorhiza | XIX | P1550 | Galapagos | NEO |
| *P. dolichorhiza* | dolichorhiza | XIX | P1552 | Galapagos | NEO |
| *P. dolichorhiza* | dolichorhiza | XIX | P1553 | Galapagos | NEO |
| *P. dolichorhiza* | dolichorhiza | Xva | P6132 | Panama | NEO |
| *P. dolichorhiza* 2 | dolichorhiza2 | XIX | P1567 | Brazil | NEO |
| *P. dolichorhiza* 2 | dolichorhiza2 | XIX | P1575 | Brazil | NEO |
| *P. elisabethae* | elisabethae | V | P1238 | Canada:BC | PNW |
| *P. elisabethae* | elisabethae | V | P1269 | China:JIL | BOR |
| *P. elisabethae* | elisabethae | XXXIX | P1544 | Russia:Kras | BOR |
| *P. erioderma* 1 | erioderma | XXXI | P2162 | Papua New Guinea | PNG |
| *P. erioderma* 2 | erioderma | XXXI | P2163 | Papua New Guinea | PNG |
| *P. evansiana* | evansiana | XXXIII | P2189 | USA:MI | BOR |
| *P. evansiana* | evansiana | XXXIX | P0630 | USA:NC | NAM |
| *P. evansiana* | evansiana | XXXIX | P1817 | USA:PA | NAM |
| *P. evansiana* | evansiana | XXXIX | P2084 | USA:NC | NAM |
| *P. extenuata* 1 | extenuata1 | unique13 | P1109 | Canada:BC | PNW |
| *P. extenuata* 1 | extenuata1 | XXXIII | P0081 | Russia:KAM | BOR |
| *P. extenuata* 1 | extenuata1 | XXXIII | P2064 | Chile | NEA |
| *P. extenuata* 1 | extenuata1 | XXXIII | P2103 | Russia:KRAS | BOR |
| *P. extenuata* 1 | extenuata1 | XXXIII | P2104 | USA:MI | BOR |
| *P. extenuata* 1 | extenuata1 | XXXIII | P2111 | USA:NY | NAM |
| *P. extenuata* 2 | extenuata2 | XXI | P2057 | Galapagos | NEO |
| *P. extenuata* 2 | extenuata2 | XXII | P0943 | Colombia | NEO |
| *P.* cf. *friesiorum* | friesiorum | unique7 | P1648 | Peru | NEO |
| *P.* cf. *spuriella* | friesiorum | unique8 | P1731 | Peru | NEO |
| *P.* cf. *friesiorum* | friesiorum | V | P0424 | Brazil | NEO |
| *P.* cf. *friesiorum* | friesiorum | V | P2009 | Brazil | NEO |
| *P.* cf. *friesiorum* | friesiorum | V | P2035 | Brazil | NEO |
| *P.* cf. *friesiorum* | friesiorum | V | P1601 | Brazil | NEO |
| *P.* cf. *friesiorum* | friesiorum | V | P1604 | Brazil | NEO |
| *P.* cf. *friesiorum* | friesiorum | V | P1647 | Brazil | NEO |
| *P.* cf. *friesiorum* | friesiorum | V | P2007 | Brazil | NEO |
| *P.* cf. *friesiorum* | friesiorum | V | P2008 | Brazil | NEO |
| *P.* cf. *friesiorum* | friesiorum | XXXIX | P2005 | Brazil | NEO |
| *P.* cf. *friesiorum* | friesiorum | XXXIX | P1607 | Brazil | NEO |
| *P.* cf. *friesiorum* | friesiorum | XXXIX | P1739 | Peru | NEO |
| *P.* cf. *friesiorum* | friesiorum | XXXIX | P1554 | Brazil | NEO |
| *P.* cf. *friesiorum* | friesiorum | XXXIX | P2006 | Brazil | NEO |
| *P.* cf. *friesiorum* | friesiorum | XXXIX | P2045 | Bolivia | NEO |
| *P. frigida* | frigida | unique14 | P2038 | Chile | NEA |
| *P. frigida* | frigida | VI | P0422 | Chile | NEA |
| *P. frigida* | frigida | VI | P0427 | Argentina | NEA |
| *P. frigida* | frigida | VI | P2041 | Chile | NEA |
| *P. frigida* | frigida | XXXIX | P0082 | Chile | NEA |
| *P. frippii* | frippii | IV | P1174 | Norway | BOR |
| *P. frippii* | frippii | IV | P4036 | Canada:Nunavut | BOR |
| *P. frippii* | frippii | IV | P4037 | Canada:Nunavut | BOR |
| *P. "fuscopraetextata"* | fuscopraetextata | VI | P2067 | Chile | NEA |
| *P. "fuscopraetextata"* | fuscopraetextata | VI | P1110 | Canada:BC | PNW |
| *P. "fuscopraetextata"* | fuscopraetextata | VI | P2012 | Argentina | NEA |
| *P. "fuscopraetextata"* | fuscopraetextata | VI | P2014 | Chile | NEA |
| *P. "fuscopraetextata"* | fuscopraetextata | VI | P2016 | Argentina | NEA |
| *P. "fuscopraetextata"* | fuscopraetextata | VI | P2017 | Chile | NEA |
| *P. "fuscopraetextata"* | fuscopraetextata | VI | P2018 | Argentina | NEA |
| *P. "fuscopraetextata"* | fuscopraetextata | VI | P2036 | Chile | NEA |
| *P. "fuscopraetextata"* | fuscopraetextata | VI | P2219 | USA:OR | PNW |
| P. "fuscopraetextata" | fuscopraetextata | VI | HOB020708-62-5-3 | Canada:BC | PNW |
| P. "fuscopraetextata" | fuscopraetextata | VI | HOB020708-66-1-1 | Canada:BC | PNW |
| P. "fuscopraetextata" | fuscopraetextata | VI | HOB020708-66-1-2 | Canada:BC | PNW |
| P. "fuscopraetextata" | fuscopraetextata | VI | HOB020708-8-1-2 | Canada:BC | PNW |
| P. "fuscopraetextata" | fuscopraetextata | VI | HOB020708-8-9-1 | Canada:BC | PNW |
| P. "fuscopraetextata" | fuscopraetextata | VI | HOB020708-4-1-1 | Canada:BC | PNW |
| P. "fuscopraetextata" | fuscopraetextata | VI | HOB020708-4-1-2 | Canada:BC | PNW |
| P. "fuscopraetextata" | fuscopraetextata | VI | HOB020708-4-5-2 | Canada:BC | PNW |
| P. "fuscopraetextata" | fuscopraetextata | VI | HOB020708-62-1-2 | Canada:BC | PNW |
| P. "fuscopraetextata" | fuscopraetextata | VI | HOB020708-31-1-1 | Canada:BC | PNW |
| P. "fuscopraetextata" | fuscopraetextata | VI | HOB020708-62-5-2 | Canada:BC | PNW |
| P. "fuscopraetextata" | fuscopraetextata | VI | HOB020708-31-5-3 | Canada:BC | PNW |
| P. "fuscopraetextata" | fuscopraetextata | VI | HOB020708-62-5-1 | Canada:BC | PNW |
| *P. "fuscopraetextata"* | fuscopraetextata | XXX | P2223 | USA:UT | NAM |
| *P. gowardii* | gowardii | H1 | HV13 | USA:MT | BOR |
| *P. gowardii* | gowardii | H1 | P1429 | USA:WA | PNW |
| *P. gowardii* | gowardii | H1 | HV22 | USA:AK | BOR |
| *P. gowardii* | gowardii | H1 | P1417 | Canada:BC | PNW |
| *P. gowardii* | gowardii | H1 | P1418 | Canada:BC | PNW |
| *P. gowardii* | gowardii | H1 | P1419 | Canada:BC | PNW |
| *P. gowardii* | gowardii | H1 | P1429 | USA:WA | PNW |
| *P. gowardii* | gowardii | H1 | P1421 | Canada:BC | PNW |
| *P. gowardii* | gowardii | H1 | P1422 | Canada:BC | PNW |
| *P. gowardii* | gowardii | H1 | P1423 | USA:AK | BOR |
| *P. granulosa* | granulosa | V | P2176 | Papua New Guinea | PNG |
| *P. "hawaiensis"* | hawaiensis | XIX | P1236 | Hawaii | Hawaii |
| *P. horizontalis* | horizontalis | unique10 | P1641 | USA:NC | NAM |
| *P. horizontalis* | horizontalis | V | P1274 | China:JIL | BOR |
| *P. horizontalis* | horizontalis | V | HOB040605-09-1 | Canada:BC | PNW |
| *P. horizontalis* | horizontalis | V | HOB020708-8-1-1 | Canada:BC | PNW |
| *P. horizontalis* | horizontalis | V | HOB020708-8-9-2 | Canada:BC | PNW |
| *P. horizontalis* | horizontalis | V | HOB020708-8-5-1 | Canada:BC | PNW |
| *P. horizontalis* | horizontalis | V | HOB020708-8-5-2 | Canada:BC | PNW |
| *P. horizontalis 2* | horizontalis2 | V | P857 | Iran | EUR |
| *P. hydrothyria* | hydrothyria | H1 | HV03 | USA:PA | NAM |
| *P. hydrothyria* | hydrothyria | H1 | P1493 | Canada:QC | BOR |
| *P. hydrothyria* | hydrothyria | H1 | P1494 | Canada:QC | BOR |
| *P. hydrothyria* | hydrothyria | H1 | P1496 | Canada:NS | BOR |
| *P. hydrothyria* | hydrothyria | H1 | P1498 | Canada:NS | BOR |
| *P. hydrothyria* | hydrothyria | H1 | P1845 | Canada:NS | BOR |
| *P. hydrothyria* | hydrothyria | H1 | HV25 | USA:VA | NAM |
| *P. hydrothyria* | hydrothyria | H1 | HV07 | USA:PA | NAM |
| *P. hydrothyria* | hydrothyria | H1 | HV06 | USA:PA | NAM |
| *P. hydrothyria* | hydrothyria | H1 | HV04 | USA:PA | NAM |
| *P. hydrothyria* | hydrothyria | H3 | HV20 | USA:PA | NAM |
| *P. hydrothyria* | hydrothyria | H3 | P1492 | Canada:QC | BOR |
| *P. hydrothyria* | hydrothyria | H3 | P1495 | Canada:NB | BOR |
| *P. hydrothyria* | hydrothyria | H3 | P1497 | Canada:NS | BOR |
| *P. hydrothyria* | hydrothyria | H3 | HV21 | USA:PA | NAM |
| *P. hydrothyria* | hydrothyria | H3 | HV02 | USA:PA | NAM |
| *P. hymenina* | hymenina | V | P1644 | Canary Islands | EUR |
| *P. hymenina* | hymenina | VIIIb | P430 | Canada:NS | BOR |
| *P. hymenina* | hymenina | XIX | N357 | Canary Islands | EUR |
| *P. hymenina* | hymenina | XVI | P1214 | USA:OR | PNW |
| *P. hymenina* | hymenina | XVI | P80 | Iceland | BOR |
| *P. hymenina* | hymenina | XVI | P871 | Azores | EUR |
| *P. hymenina* | hymenina | XVI | N2054 | Norway | BOR |
| *P. hymenina* | hymenina | XVI | P1226 | USA:OR | PNW |
| *P. hymenina* | hymenina | XVI | P1626 | Canada:NF | BOR |
| *P. hymenina* | hymenina | XVI | P1903 | Azores | EUR |
| *P. hymenina* | hymenina | XVI | P516 | Azores | EUR |
| *P. hymenina* | hymenina | XVI | P517 | Azores | EUR |
| *P. hymenina* | hymenina | XVI | P539 | Norway | BOR |
| *P. hymenina* | hymenina | XVI | P851 | Iceland | BOR |
| *P. hymenina* | hymenina | XVI | P870 | Denmark | EUR |
| *P. hymenina* | hymenina | XVI | P872 | Azores | EUR |
| *P. hymenina* | hymenina | XVIII | P1247 | Canada:BC | PNW |
| *P. hymenina* | hymenina | XVIII | P1229 | USA:OR | PNW |
| *P. kristinssonii* | kristinsonii | VI | P1292 | Canada:QC | BOR |
| *P. kristinssonii* | kristinsonii | VI | P1112 | Canada:BC | PNW |
| *P. kristinssonii* | kristinsonii | VI | HOB020708-62-1-4 | Canada:BC | PNW |
| *P. kristinssonii* | kristinsonii | VI | HOB020708-62-1-6 | Canada:BC | PNW |
| *P. kristinssonii* | kristinsonii | VI | HOB020708-62-1-7 | Canada:BC | PNW |
| *P. kristinssonii* | kristinsonii | VI | HOB020708-66-1-5 | Canada:BC | PNW |
| *P. kristinssonii* | kristinsonii | VI | HOB020708-66-5-4 | Canada:BC | PNW |
| *P. kristinssonii* | kristinsonii | VI | HOB020708-66-5-5 | Canada:BC | PNW |
| *P. kristinssonii* | kristinsonii | VI | HOB020708-70-1-1 | Canada:BC | PNW |
| *P. kristinssonii* | kristinsonii | VI | HOB020708-70-5-7 | Canada:BC | PNW |
| *P. kristinssonii* | kristinsonii | VI | HOB020708-70-5-8 | Canada:BC | PNW |
| *P. kristinssonii* | kristinsonii | VI | HOB020708-70-5-9 | Canada:BC | PNW |
| *P. kristinssonii* | kristinsonii | VI | HOB020708-70-9-1 | Canada:BC | PNW |
| *P. kristinssonii* | kristinsonii | VI | HOB020708-70-9-2 | Canada:BC | PNW |
| *P. kristinssonii* | kristinsonii | VI | HOB020708-70-9-3 | Canada:BC | PNW |
| *P. kristinssonii* | kristinsonii | VI | HOB020708-70-9-4 | Canada:BC | PNW |
| *P. kristinssonii* | kristinsonii | VI | HOB020708-70-9-5 | Canada:BC | PNW |
| *P. kristinssonii* | kristinsonii | VI | HOB020708-70-9-6 | Canada:BC | PNW |
| *P. kristinssonii* | kristinsonii | VI | HOB020708-62-1-5 | Canada:BC | PNW |
| *P. kristinssonii* | kristinsonii | VI | HOB020708-66-5-3 | Canada:BC | PNW |
| *P. kristinssonii* | kristinsonii | VI | HOB020708-70-1-5a | Canada:BC | PNW |
| *P. kristinssonii* | kristinsonii | VI | HOB040605-13-4 | Canada:BC | PNW |
| *P. laciniata* 1 | laciniata1 | unique16 | P2078 | Colombia | NEO |
| *P. laciniata* 1 | laciniata1 | XL | P0026 | Costa Rica | NEO |
| *P. laciniata* 1 | laciniata1 | XL | P0040 | Costa Rica | NEO |
| *P. laciniata* 1 | laciniata1 | XL | P2199 | Ecuador | NEO |
| *P. laciniata* 1 | laciniata1 | XL | P2050 | Bolivia | NEO |
| *P. laciniata* 1 | laciniata1 | XL | P2058 | Ecuador | NEO |
| *P. laciniata* 1 | laciniata1 | XL | P2075 | Colombia | NEO |
| *P. laciniata* 1 | laciniata1 | XL | P2198 | Ecuador | NEO |
| *P. laciniata* 2 | laciniata2 | XL | P2051 | Bolivia | NEO |
| *P. latiloba* | latiloba | VI | P6080 | Canada:Nunavut | BOR |
| *P. latiloba* | latiloba | XVIII | P1335 | Canada:QC | BOR |
| *P. latiloba* | latiloba | XVIII | P1343 | Canada:QC | BOR |
| *P. latiloba* | latiloba | XVIII | P1349 | Canada:QC | BOR |
| *P. latiloba* | latiloba | XXV | P6081 | USA:AK | BOR |
| *P. lepidophora* 1 | lepidophora1 | XLI | P2112 | USA:NY | NAM |
| *P. lepidophora* 1 | lepidophora1 | XXX | P1844 | Canada:BC | PNW |
| *P. lepidophora* 1 | lepidophora1 | XXX | P2124 | Iceland | BOR |
| *P. lepidophora* 2 | lepidophora2 | XXIV | P2101 | USA:AK | BOR |
| *P. lepidophora* 2 | lepidophora2 | XXX | NP23 | China:Ningxia | ASI |
| *P. leucophlebia s. str.* | leucophlebia1 | H466 | P254 | Canada:BC | PNW |
| *P. leucophlebia s. str.* | leucophlebia1 | V | P283 | Canada:BC | PNW |
| *P. leucophlebia s. str.* | leucophlebia1 | VI | HOB020708-0-1-6 | Canada:BC | PNW |
| *P. leucophlebia s. str.* | leucophlebia1 | VI | HOB020708-0-1-7 | Canada:BC | PNW |
| *P. leucophlebia s. str.* | leucophlebia1 | VI | HOB020708-35-1-6 | Canada:BC | PNW |
| *P. leucophlebia s. str.* | leucophlebia1 | VI | HOB020708-35-5-10 | Canada:BC | PNW |
| *P. leucophlebia s. str.* | leucophlebia1 | VI | HOB020708-35-5-7 | Canada:BC | PNW |
| *P. leucophlebia s. str.* | leucophlebia1 | VI | HOB020708-35-5-9 | Canada:BC | PNW |
| *P. leucophlebia s. str.* | leucophlebia1 | VI | HOB020708-39-1-5 | Canada:BC | PNW |
| *P. leucophlebia s. str.* | leucophlebia1 | VI | HOB020708-4-5-5 | Canada:BC | PNW |
| *P. leucophlebia s. str.* | leucophlebia1 | VI | HOB020708-4-9-1 | Canada:BC | PNW |
| *P. leucophlebia s. str.* | leucophlebia1 | VI | HOB020708-4-9-2 | Canada:BC | PNW |
| *P. leucophlebia s. str.* | leucophlebia1 | VI | HOB020708-4-9-3 | Canada:BC | PNW |
| *P. leucophlebia s. str.* | leucophlebia1 | VI | HOB020708-62-9-3 | Canada:BC | PNW |
| *P. leucophlebia s. str.* | leucophlebia1 | VI | HOB020708-66-5-9 | Canada:BC | PNW |
| *P. leucophlebia s. str.* | leucophlebia1 | VI | HOB020708-8-1-4 | Canada:BC | PNW |
| *P. leucophlebia s. str.* | leucophlebia1 | VI | HOB020708-8-1-5 | Canada:BC | PNW |
| *P. leucophlebia s. str.* | leucophlebia1 | VI | HOB020708-8-9-3 | Canada:BC | PNW |
| *P. leucophlebia s. str.* | leucophlebia1 | VI | HOB020708-8-9-4 | Canada:BC | PNW |
| *P. leucophlebia s. str.* | leucophlebia1 | VI | HOB020708-0-5-5 | Canada:BC | PNW |
| *P. leucophlebia s. str.* | leucophlebia1 | VI | HOB020708-0-9-5 | Canada:BC | PNW |
| *P. leucophlebia s. str.* | leucophlebia1 | VI | HOB020708-39-1-6 | Canada:BC | PNW |
| *P. leucophlebia s. str.* | leucophlebia1 | VI | HOB020708-8-1-9 | Canada:BC | PNW |
| *P. leucophlebia s. str.* | leucophlebia1 | VI | P239 | Canada:BC | PNW |
| *P. leucophlebia s. str.* | leucophlebia1 | VI | P264 | Canada:BC | PNW |
| *P. leucophlebia s. str.* | leucophlebia1 | VI | P6050 | Austria | EUR |
| *P. leucophlebia s. str.* | leucophlebia1 | VI | P6076 | Canada:BC | PNW |
| *P. leucophlebia s. str.* | leucophlebia1 | XLII | P6061 | USA:AK | BOR |
| *P. leucophlebia s. str.* | leucophlebia1 | XVI | P6065 | Iceland | BOR |
| *P. leucophlebia s. str.* | leucophlebia1 | XVIII | P6059 | USA:AK | BOR |
| P. leucophlebia s. str. | leucophlebia1 | XXX | HOB040605-01-3 | Canada:BC | PNW |
| P. leucophlebia s. str. | leucophlebia1 | XXX | HOB040605-05-2-2 | Canada:BC | PNW |
| P. leucophlebia s. str. | leucophlebia1 | XXX | HOB020708-4-1-7 | Canada:BC | PNW |
| *P. leucophlebia s. str.* | leucophlebia1 | XXX | P6075 | USA:WY | BOR |
| *P. leucophlebia s. str.* | leucophlebia1 | XXX | P250 | Canada:BC | PNW |
| *P. leucophlebia s. str.* | leucophlebia1 | XXXIII | P6091 | Canada:AB | BOR |
| *P. leucophlebia* 2 | leucophlebia2 | IV | HOB040605-05-2-1 | Canada:BC | PNW |
| *P. leucophlebia* 2 | leucophlebia2 | IV | HOB020708-35-5-8 | Canada:BC | PNW |
| *P. leucophlebia* 2 | leucophlebia2 | IV | HOB040605-02-4 | Canada:BC | PNW |
| *P. leucophlebia 2* | leucophlebia2 | V | P6090 | Canada:ON | BOR |
| *P. leucophlebia 2* | leucophlebia2 | VI | P1118 | US:SD | BOR |
| *P. leucophlebia 2* | leucophlebia2 | VI | P286 | Canada:BC | PNW |
| *P. leucophlebia 2* | leucophlebia2 | VI | P287 | Canada:BC | PNW |
| *P. leucophlebia 2* | leucophlebia2 | VI | P288 | Canada:BC | PNW |
| *P. leucophlebia 2* | leucophlebia2 | VI | P6083 | Canada:AB | BOR |
| *P. leucophlebia* 2 | leucophlebia2 | VI | P711 | USA:AK | BOR |
| *P. leucophlebia* 2 | leucophlebia2 | VI | HOB020708-8-1-10 | Canada:BC | PNW |
| *P. leucophlebia* 2 | leucophlebia2 | VI | HOB020708-31-9-5 | Canada:BC | PNW |
| *P. leucophlebia* 2 | leucophlebia2 | VI | HOB040605-12-2 | Canada:BC | PNW |
| *P. leucophlebia* 2 | leucophlebia2 | VI | HOB030611-5-10-2 | Canada:BC | PNW |
| *P. leucophlebia* 2 | leucophlebia2 | VI | HOB030611-10-5-1 | Canada:BC | PNW |
| *P. leucophlebia* 2 | leucophlebia2 | VI | HOB030611-10-5-4 | Canada:BC | PNW |
| *P. leucophlebia* 2 | leucophlebia2 | VI | HOB030611-10-5-6 | Canada:BC | PNW |
| *P. leucophlebia 2* | leucophlebia2 | VI | HOB030611-10-5-7 | Canada:BC | PNW |
| *P. leucophlebia 2* | leucophlebia2 | VI | HOB030611-5-5-2 | Canada:BC | PNW |
| *P. leucophlebia 2* | leucophlebia2 | VI | HOB030611-5-10-3 | Canada:BC | PNW |
| *P. leucophlebia 2* | leucophlebia2 | VI | HOB020708-0-1-8 | Canada:BC | PNW |
| *P. leucophlebia 2* | leucophlebia2 | VI | HOB020708-0-9-4 | Canada:BC | PNW |
| *P. leucophlebia 2* | leucophlebia2 | VI | HOB020708-0-9-6 | Canada:BC | PNW |
| *P. leucophlebia 2* | leucophlebia2 | VI | HOB020708-0-9-7 | Canada:BC | PNW |
| *P. leucophlebia 2* | leucophlebia2 | VI | HOB020708-31-9-7 | Canada:BC | PNW |
| *P. leucophlebia 2* | leucophlebia2 | VI | HOB020708-4-1-4 | Canada:BC | PNW |
| *P. leucophlebia 2* | leucophlebia2 | VI | HOB020708-4-1-8 | Canada:BC | PNW |
| *P. leucophlebia 2* | leucophlebia2 | VI | HOB020708-70-9-7 | Canada:BC | PNW |
| *P. leucophlebia 2* | leucophlebia2 | VI | HOB020708-70-9-8 | Canada:BC | PNW |
| *P. leucophlebia 2* | leucophlebia2 | VI | HOB020708-8-1-7 | Canada:BC | PNW |
| *P. leucophlebia 2* | leucophlebia2 | VI | HOB020708-8-5-4 | Canada:BC | PNW |
| *P. leucophlebia 2* | leucophlebia2 | VI | HOB020708-0-1-4 | Canada:BC | PNW |
| *P. leucophlebia 2* | leucophlebia2 | VI | HOB020708-0-1-5 | Canada:BC | PNW |
| *P. leucophlebia 2* | leucophlebia2 | VI | HOB020708-31-5-7 | Canada:BC | PNW |
| *P. leucophlebia 2* | leucophlebia2 | VI | HOB020708-31-5-8 | Canada:BC | PNW |
| *P. leucophlebia 2* | leucophlebia2 | VI | HOB020708-4-5-4 | Canada:BC | PNW |
| *P. leucophlebia 2* | leucophlebia2 | VI | HOB020708-4-5-8 | Canada:BC | PNW |
| *P. leucophlebia 2* | leucophlebia2 | VI | HOB020708-62-9-6 | Canada:BC | PNW |
| *P. leucophlebia 2* | leucophlebia2 | VI | HOB020708-0-5-2 | Canada:BC | PNW |
| *P. leucophlebia 2* | leucophlebia2 | VI | HOB020708-8-5-5 | Canada:BC | PNW |
| *P. leucophlebia 2* | leucophlebia2 | VI | HOB020708-8-5-6 | Canada:BC | PNW |
| *P. leucophlebia 2* | leucophlebia2 | VI | HOB020708-8-1-8 | Canada:BC | PNW |
| *P. leucophlebia 2* | leucophlebia2 | VI | HOB020708-4-1-6 | Canada:BC | PNW |
| *P. leucophlebia 2* | leucophlebia2 | VI | HOB020708-70-1-10 | Canada:BC | PNW |
| *P. leucophlebia 2* | leucophlebia2 | VI | HOB020708-0-5-4 | Canada:BC | PNW |
| *P. leucophlebia 2* | leucophlebia2 | VI | HOB040605-11-1 | Canada:BC | PNW |
| *P. leucophlebia 2* | leucophlebia2 | XVIII | P705 | USA:AK | BOR |
| *P. leucophlebia 2* | leucophlebia2 | XXX | P6079 | Canada:BC | PNW |
| *P. leucophlebia 2* | leucophlebia2 | XXX | P6092 | Canada:QC | BOR |
| *P. leucophlebia 2* | leucophlebia2 | XXX | HOB020708-70-1-9 | Canada:BC | PNW |
| *P. leucophlebia 2* | leucophlebia2 | XXXIII | P6078 | Canada:AB | BOR |
| *P. leucophlebia 2* | leucophlebia2 | XXXIII | P6085 | Canada:AB | BOR |
| *P. leucophlebia 3* | leucophlebia3 | unique26 | HOB040605-13-5 | Canada:BC | PNW |
| *P. leucophlebia 3* | leucophlebia3 | V | P1082 | USA:NM | NAM |
| *P. leucophlebia 3* | leucophlebia3 | VI | P238 | Canada:BC | PNW |
| *P. leucophlebia 3* | leucophlebia3 | VI | P240 | Canada:BC | PNW |
| *P. leucophlebia 3* | leucophlebia3 | VI | P253 | Canada:BC | PNW |
| *P. leucophlebia 3* | leucophlebia3 | VI | P270 | Canada:BC | PNW |
| *P. leucophlebia 3* | leucophlebia3 | VI | P6066 | USA:CO | NAM |
| *P. leucophlebia 3* | leucophlebia3 | VI | HOB020708-66-1-7 | Canada:BC | PNW |
| *P. leucophlebia 3* | leucophlebia3 | VI | HOB040605-13-1 | Canada:BC | PNW |
| *P. leucophlebia 3* | leucophlebia3 | XXX | P241 | Canada:BC | PNW |
| *P. leucophlebia 4* | leucophlebia4 | VI | P6064 | Iceland | BOR |
| *P. leucophlebia 4* | leucophlebia4 | VI | P6077 | Canada:BC | PNW |
| *P. leucophlebia 4* | leucophlebia4 | VI | P267 | Canada:BC | PNW |
| *P. leucophlebia 4* | leucophlebia4 | VI | P6074 | USA:WY | BOR |
| *P. leucophlebia 4* | leucophlebia4 | VI | P245 | Canada:BC | PNW |
| *P. leucophlebia 4* | leucophlebia4 | VI | HOB030611-0-10-3 | Canada:BC | PNW |
| *P. leucophlebia 4* | leucophlebia4 | VI | HOB030611-5-10-4 | Canada:BC | PNW |
| *P. leucophlebia 4* | leucophlebia4 | VI | HOB030611-0-0-3 | Canada:BC | PNW |
| *P. leucophlebia 4* | leucophlebia4 | VI | HOB030611-0-5-5 | Canada:BC | PNW |
| *P. leucophlebia 4* | leucophlebia4 | VI | HOB030611-5-10-5 | Canada:BC | PNW |
| *P. leucophlebia 4* | leucophlebia4 | XXX | P258 | Canada:BC | PNW |
| *P. leucophlebia 5* | leucophlebia5 | V | P6058 | USA:AK | BOR |
| *P. leucophlebia 5* | leucophlebia5 | V | P6070 | Russia:Kha | BOR |
| *P. leucophlebia 5* | leucophlebia5 | VI | P290 | Canada:BC | PNW |
| *P. leucophlebia 5* | leucophlebia5 | XXXIII | P6073 | Russia:Kha | BOR |
| *P. leucophlebia 5* | leucophlebia5 | XXXIII | P6069 | Russia:Kha | BOR |
| *P. leucophlebia 6* | leucophlebia6 | H125 | P6088 | Canada:NS | BOR |
| *P. leucophlebia 6* | leucophlebia6 | VI | P6052 | Austria | EUR |
| *P. leucophlebia 6* | leucophlebia6 | VI | P6062 | Iceland | BOR |
| *P. leucophlebia 6* | leucophlebia6 | XLI | P6063 | Iceland | BOR |
| *P. leucophlebia 6* | leucophlebia6 | XXXIII | P6082 | Canada:AB | BOR |
| *P. malacea* 1 | malacea1 | III | P1180 | Russia:Yak | BOR |
| *P. malacea* 1 | malacea1 | III | P754 | Russia:Yak | BOR |
| *P. malacea* 1 | malacea1 | III | HOB020708-31-1-2 | Canada:BC | PNW |
| *P. malacea* 1 | malacea1 | III | P1339 | Canada:QC | BOR |
| *P. malacea* 2 | malacea2 | IV | P735 | Canada:QC | BOR |
| *P. malacea* 2 | malacea2 | IV | P5044 | Canada:QC | BOR |
| *P. malacea* 2 | malacea2 | IV | P5063 | Canada:QC | BOR |
| *P. malacea* 2 | malacea2 | IV | P5004 | Canada:QC | BOR |
| *P. malacea* 2 | malacea2 | IV | P1033b | Norway | BOR |
| *P. malacea* 2 | malacea2 | IV | P276 | USA:AK | BOR |
| *P. malacea* 2 | malacea2 | IV | P279 | USA:AK | BOR |
| *P. malacea* 2 | malacea2 | IV | P703 | USA:AK | BOR |
| *P. malacea* 3 | malacea3 | III | P1160 | USA:WY | BOR |
| *P. malacea* 3 | malacea3 | III | P1163 | USA:WY | BOR |
| *P. malacea* 3 | malacea3 | III | P271 | Canada:BC | PNW |
| *P. malacea* 3 | malacea3 | III | P1074 | USA:WY | BOR |
| *P. malacea* 3 | malacea3 | III | P1075 | USA:WY | BOR |
| *P. malacea* 3 | malacea3 | III | P1076 | USA:WY | BOR |
| *P. malacea* 3 | malacea3 | III | P1157 | USA:WY | BOR |
| *P. malacea* 3 | malacea3 | III | P1159 | USA:WY | BOR |
| *P. malacea* 3 | malacea3 | III | P1161 | USA:WY | BOR |
| *P. malacea* 3 | malacea3 | III | P1166 | USA:WY | BOR |
| *P. malacea* 4 | malacea4 | III | P1008 | Norway | BOR |
| *P. malacea* 4 | malacea4 | III | P1014 | Norway | BOR |
| *P. malacea* 4 | malacea4 | III | P753 | Russia:KAM | BOR |
| *P. malacea* 5 | malacea5 | III | P1007 | Norway | BOR |
| *P. malacea* 5 | malacea5 | III | P1011 | Norway | BOR |
| *P. malacea* 5 | malacea5 | III | HOB020708-31-1-3 | Canada:BC | PNW |
| *P. malacea* 5 | malacea5 | III | HOB020708-35-5-2 | Canada:BC | PNW |
| *P. malacea* 5 | malacea5 | III | HOB020708-62-5-4 | Canada:BC | PNW |
| *P. malacea* 5 | malacea5 | III | HOB020708-70-5-3 | Canada:BC | PNW |
| *P. malacea* 5 | malacea5 | III | HOB040605-03-2 | Canada:BC | PNW |
| *P. malacea* 5 | malacea5 | III | HOB040605-07-4 | Canada:BC | PNW |
| *P. malacea* 5 | malacea5 | III | P1012 | Norway | BOR |
| *P. malacea* 5 | malacea5 | III | P1017 | Norway | BOR |
| *P. malacea* 5 | malacea5 | III | P1327 | Canada:QC | BOR |
| *P. malacea* 5 | malacea5 | III | P750 | Canada:MB | BOR |
| *P. malacea* 5 | malacea5 | III | P5006 | Canada:QC | BOR |
| *P. malacea* 5 | malacea5 | III | P737 | Canada:QC | BOR |
| *P. malacea* 5 | malacea5 | III | P5047 | Canada:QC | BOR |
| *P. malacea* 5 | malacea5 | III | P5000 | Canada:QC | BOR |
| *P. malacea* 5 | malacea5 | III | P781 | Iceland | BOR |
| *P. malacea* 5 | malacea5 | III | P798 | Norway | BOR |
| *P. malacea 5* | malacea5 | III | HOB020708-70-5-6 | Canada:BC | PNW |
| *P. malacea 5* | malacea5 | III | HOB020708-31-5-4 | Canada:BC | PNW |
| *P. malacea 5* | malacea5 | III | HOB020708-35-1-2 | Canada:BC | PNW |
| *P. malacea 5* | malacea5 | III | HOB020708-35-1-3 | Canada:BC | PNW |
| *P. malacea 5* | malacea5 | III | HOB020708-35-1-4 | Canada:BC | PNW |
| *P. malacea 5* | malacea5 | III | HOB020708-70-5-4 | Canada:BC | PNW |
| *P. malacea 5* | malacea5 | III | HOB020708-70-5-5 | Canada:BC | PNW |
| *P. malacea 5* | malacea5 | III | HOB020708-31-1-4 | Canada:BC | PNW |
| *P. malacea 5* | malacea5 | IV | P1129 | Canada:AB | BOR |
| *P. malacea 5* | malacea5 | IV | HOB040605-04-2 | Canada:BC | PNW |
| *P. melanorrhiza* | melanorrhiza | XVI | P515 | Azores | EUR |
| *P. membranacea* | membranacea | unique27 | HOB040605-01-2 | Canada:BC | PNW |
| *P. membranacea* | membranacea | V | HOB020708-0-9-1 | Canada:BC | PNW |
| *P. membranacea* | membranacea | V | HOB020708-0-9-2 | Canada:BC | PNW |
| *P. membranacea* | membranacea | V | HOB020708-0-9-3 | Canada:BC | PNW |
| *P. membranacea* | membranacea | XIII | P1005 | Norway | BOR |
| *P. membranacea* | membranacea | XIII | P2116 | Canada:BC | PNW |
| *P. membranacea* | membranacea | XIII | HOB040605-10-1 | Canada:BC | PNW |
| *P. membranacea* | membranacea | XVI | P0003 | Iceland | BOR |
| *P. membranacea* | membranacea | XVI | P0086 | Spain | EUR |
| *P. membranacea* | membranacea | XVI | P2121 | Portugal | EUR |
| *P. membranacea* | membranacea | XVI | P2122 | France | EUR |
| *P. membranacea* | membranacea | XVI | P2191 | Iceland | BOR |
| *P. ponojensis/monticola* 10a | monticola10a | unique18 | P2168 | USA:CA | NAM |
| *P. ponojensis/monticola* 10a | monticola10a | VI | P2000 | USA:CA | NAM |
| *P. ponojensis/monticola* 10a | monticola10a | VI | P2187 | USA:CA | NAM |
| *P. ponojensis/monticola* 10b | monticola10b | XXX | P2114 | USA:UT | NAM |
| *P. ponojensis/monticola* 1a | ponojensis1a | XXI | P2003 | Canada:MB | BOR |
| *P. ponojensis/monticola* 1a | ponojensis1a | XXVII | P2180 | USA:OR | PNW |
| *P. ponojensis/monticola* 1a | ponojensis1a | XXVII | P1108 | Canada:BC | PNW |
| *P. ponojensis/monticola* 1a | ponojensis1a | XXX | P1106 | Canada:BC | PNW |
| *P. ponojensis/monticola* 1a | ponojensis1a | XXX | P1486 | USA:ME | BOR |
| *P. ponojensis/monticola* 1a | ponojensis1a | XXXIII | P2181 | Canada:AB | BOR |
| *P. ponojensis/monticola* 1a | ponojensis1a | XXXV | P0084 | USA:PA | NAM |
| *P. ponojensis/monticola* 1a | ponojensis1a | XXXV | P2028 | USA:MO | NAM |
| *P. ponojensis/monticola* 1b | ponojensis1b | XXX | P2204 | USA:UT | NAM |
| *P. ponojensis/monticola* 2 | ponojensis2 | XXX | P2004 | Germany | EUR |
| *P. ponojensis/monticola* 2 | ponojensis2 | XXX | P2175 | Switzerland | EUR |
| *P. ponojensis/monticola* 4 | ponojensis4 | XXI | P2085 | USA:AR | NAM |
| *P. ponojensis/monticola* 4 | ponojensis4 | XXXIV | P0444 | USA:KS | NAM |
| *P. ponojensis/monticola* 4 | ponojensis4 | XXXIV | P2027 | USA:MO | NAM |
| *P. ponojensis/monticola* 4 | ponojensis4 | XXXIV | P2029 | USA:AR | NAM |
| *P. ponojensis/monticola* 7 | monticola7 | unique20 | P2220 | USA:CA | NAM |
| *P. ponojensis/monticola* 7 | monticola7 | XLII | P0075 | Norway | BOR |
| *P. ponojensis/monticola* 8 | monticola8 | VI | P2214 | Canada:BC | PNW |
| *P. ponojensis/monticola* 8 | monticola8 | XXX | P2185 | Canada:BC | PNW |
| *P. ponojensis/monticola* 8 | monticola8 | XXX | P2206 | USA:UT | NAM |
| *P. ponojensis/monticola* 8 | monticola8 | XXX | P2207 | USA:UT | NAM |
| *P. ponojensis/monticola* 8 | monticola8 | XXX | P2208 | USA:UT | NAM |
| *P. ponojensis/monticola* 8 | monticola8 | XXX | P2210 | USA:UT | NAM |
| *P. ponojensis/monticola* 8 | monticola8 | XXX | P2215 | USA:OR | PNW |
| *P. ponojensis/monticola* 8 | monticola8 | XXXVIIIb | P2087 | USA:UT | NAM |
| *P. ponojensis/monticola* 9 | monticola9 | unique21 | NP21 | China:Ningxia | ASI |
| *P. ponojensis/monticola* 9 | monticola9 | V | P2127 | Switzerland | EUR |
| *P. ponojensis/monticola* 9 | monticola9 | XXX | NP20 | China:Ningxia | ASI |
| *P. ponojensis/monticola* 9 | monticola9 | XXX | P0073 | Austria | EUR |
| *P. ponojensis/monticola* 9 | monticola9 | XXX | P0419 | Russia:DAG | EUR |
| *P. montis-wilhelmii* 1 | montiswilhelmii | V | P2156 | Papua New Guinea | PNG |
| *P. montis-wilhelmii* 2 | montiswilhelmii | XXXI | P2157 | Papua New Guinea | PNG |
| *P. nana* 1 | nana1 | HT45 | P1281 | China:YU | ASI |
| *P. nana* 1 | nana1 | VIIc | P1666 | Japan:Kochi | ASI |
| *P. nana* 1 | nana1 | XII | P1282 | China:YU | ASI |
| *P. nana* 1 | nana1 | XII | P1665 | China:SIC | ASI |
| *P. nana* 1 | nana1 | XII | P416 | Philippines | ASI |
| *P. nana* 2 | nana2 | HT37 | P609 | New Zealand | AUS |
| P. neckeri | neckeri | unique17 | P1634 | Canada:NF | BOR |
| P. neckeri | neckeri | XXX | HOB040605-13-2 | Canada:BC | PNW |
| P. neckeri | neckeri | XXX | HOB040605-12-4 | Canada:BC | PNW |
| P. neckeri | neckeri | XXXIX | P1244 | Canada:BC | PNW |
| *P. "neocanina"* 1 | neocanina1 | V | P2001 | Canada:MB | BOR |
| *P. "neocanina"* 1 | neocanina1 | V | P0070 | USA:NM | NAM |
| *P. "neocanina"* 1 | neocanina1 | V | P2082 | USA:NM | NAM |
| P. "neocanina" 1 | neocanina1 | V | HOB020708-66-9-1 | Canada:BC | PNW |
| P. "neocanina" 1 | neocanina1 | V | HOB020708-66-9-2 | Canada:BC | PNW |
| P. "neocanina" 1 | neocanina1 | V | HOB020708-66-9-3 | Canada:BC | PNW |
| P. "neocanina" 1 | neocanina1 | V | HOB020708-66-9-4 | Canada:BC | PNW |
| P. "neocanina" 1 | neocanina1 | V | HOB020708-66-9-5 | Canada:BC | PNW |
| P. "neocanina" 1 | neocanina1 | V | HOB020708-0-5-1 | Canada:BC | PNW |
| *P. "neocanina"* 1 | neocanina1 | XXX | P1107 | Canada:BC | PNW |
| *P. "neocanina"* 1 | neocanina1 | XXX | P2212 | Canada:BC | PNW |
| P. "neocanina" 1 | neocanina1 | XXX | HOB040605-02-2 | Canada:BC | PNW |
| P. "neocanina" 1 | neocanina1 | XXX | HOB020708-66-5-2 | Canada:BC | PNW |
| *P. "neocanina"* 1 | neocanina1 | XXXIII | P2192 | USA:AK | BOR |
| *P. "neocanina"* 1 | neocanina1 | XXXIX | P2098 | USA:AK | BOR |
| *P. "neocanina"* 2 | neocanina2 | XXX | P0068 | USA:NM | NAM |
| *P. "neocanina"* 2 | neocanina2 | XXX | P2089 | USA:CO | NAM |
| *P. "neocanina"* 2 | neocanina2 | XXX | P2202 | USA:UT | NAM |
| *P. "neocanina"* 3 | neocanina3 | V | P1410 | Russia | BOR |
| *P. "neocanina"* 3 | neocanina3 | V | P1405 | Russia | BOR |
| *P. "neocanina"* 3 | neocanina3 | V | P1406 | Russia | BOR |
| *P. "neocanina"* 3 | neocanina3 | V | P1407 | Russia | BOR |
| *P. "neocanina"* 3 | neocanina3 | XXXII | P2224 | China:YU | ASI |
| *P. "neocanina"* 4 | neocanina4 | V | P2232 | Norway | BOR |
| *P. "neocanina"* 4 | neocanina4 | XLII | P0006 | Iceland | BOR |
| *P. neopolydactyla* 1 | neopolydactyla1 | VIIa | N1944 | USA:AK | BOR |
| *P. neopolydactyla* 1 | neopolydactyla1 | VIIa | P411 | Russia:Yak | BOR |
| *P. neopolydactyla* 1 | neopolydactyla1 | VIIa | P844 | Norway | BOR |
| *P. neopolydactyla* 1 | neopolydactyla1 | VIIa | P845 | Norway | BOR |
| *P. neopolydactyla* 1 | neopolydactyla1 | VIIa | P309 | Canada:QC | BOR |
| *P. neopolydactyla* 1 | neopolydactyla1 | VIIa | P5025 | Canada:QC | BOR |
| *P. neopolydactyla* 1 | neopolydactyla1 | VIIa | P5016 | Canada:QC | BOR |
| *P. neopolydactyla* 1 | neopolydactyla1 | VIIa | P5015 | Canada:QC | BOR |
| *P. neopolydactyla* 1 | neopolydactyla1 | VIIa | P303 | Canada:QC | BOR |
| *P. neopolydactyla* 1 | neopolydactyla1 | VIIa | P5024 | Canada:QC | BOR |
| *P. neopolydactyla* 1 | neopolydactyla1 | VIIa | P5042 | Canada:QC | BOR |
| *P. neopolydactyla* 1 | neopolydactyla1 | VIIa | P317 | Canada:QC | BOR |
| *P. neopolydactyla* 1 | neopolydactyla1 | VIIa | P324 | Canada:QC | BOR |
| *P. neopolydactyla* 1 | neopolydactyla1 | VIIa | P319 | Canada:QC | BOR |
| *P. neopolydactyla* 1 | neopolydactyla1 | VIIa | P323 | Canada:QC | BOR |
| *P. neopolydactyla* 1 | neopolydactyla1 | VIIa | P313 | Canada:QC | BOR |
| *P. neopolydactyla* 1 | neopolydactyla1 | VIIa | P5061 | Canada:QC | BOR |
| *P. neopolydactyla* 1 | neopolydactyla1 | VIIa | P5083 | Canada:QC | BOR |
| *P. neopolydactyla* 1 | neopolydactyla1 | VIIa | P300 | Canada:QC | BOR |
| *P. neopolydactyla* 1 | neopolydactyla1 | VIIa | P307 | Canada:QC | BOR |
| *P. neopolydactyla* 1 | neopolydactyla1 | VIIa | P322 | Canada:QC | BOR |
| *P. neopolydactyla* 1 | neopolydactyla1 | VIIa | P304 | Canada:QC | BOR |
| P. neopolydactyla 1 | neopolydactyla1 | VIIa | HOB040605-02-1 | Canada:BC | PNW |
| *P. neopolydactyla* 1 | neopolydactyla1 | VIIb | N1939 | USA:AL | NAM |
| *P. neopolydactyla* 1 | neopolydactyla1 | VIIb | P3065 | USA:TN | NAM |
| *P. neopolydactyla* 1 | neopolydactyla1 | VIIb | P640 | USA:NC | NAM |
| *P. neopolydactyla* 1 | neopolydactyla1 | VIIb | P645 | USA:NC | NAM |
| *P. neopolydactyla* 1 | neopolydactyla1 | VIIc | P1252 | USA:AR | NAM |
| *P. neopolydactyla* 1b | neopolydactyla1b | VIIb | P325 | Peru | NEO |
| *P. neopolydactyla 1b* | neopolydactyla1b | VIIb | P6133 | Panama | NEO |
| *P. neopolydactyla* 2ac | neopolydactyla2ac | V | P3001 | Russia:Kha | BOR |
| *P. neopolydactyla* 2ac | neopolydactyla2ac | V | P3037 | Russia:Kha | BOR |
| *P. neopolydactyla 2ac* | neopolydactyla2ac | XIII | HOB040605-10-2 | Canada:BC | PNW |
| *P. neopolydactyla* 2ac | neopolydactyla2ac | XIII | P1233 | USA:MT | BOR |
| *P. neopolydactyla* 2ac | neopolydactyla2ac | XIII | P384 | Norway | BOR |
| *P. neopolydactyla* 2ac | neopolydactyla2ac | XIII | P1591 | France | EUR |
| *P. neopolydactyla* 2ac | neopolydactyla2ac | XIII | P1659 | Japan:Hok | BOR |
| *P. neopolydactyla* 2ac | neopolydactyla2ac | XIII | P3054 | Canada:BC | PNW |
| *P. neopolydactyla* 2ac | neopolydactyla2ac | XIII | P3069 | Canada:BC | PNW |
| *P. neopolydactyla* 2ac | neopolydactyla2ac | XIII | P386 | Norway | BOR |
| *P. neopolydactyla* 2ac | neopolydactyla2ac | XIII | P821 | Norway | BOR |
| *P. neopolydactyla* 2ac | neopolydactyla2ac | XIII | P846 | Norway | BOR |
| *P. neopolydactyla* 2ac | neopolydactyla2ac | XVII | P3008 | Russia:SAKH | BOR |
| *P. neopolydactyla* 2ac | neopolydactyla2ac | XVII | P3009 | Russia:SAKH | BOR |
| *P. neopolydactyla* 2b | neopolydactyla2b | VIIb | P1667 | Japan:Kochui | ASI |
| *P. neopolydactyla* 2b | neopolydactyla2b | VIIb | P3032 | Russia:Kha | BOR |
| *P. neopolydactyla* 2b | neopolydactyla2b | X | N1913 | China:YU | ASI |
| *P. neopolydactyla* 2b | neopolydactyla2b | X | N1914 | China:YU | ASI |
| *P. neopolydactyla* 2b | neopolydactyla2b | X | N1916 | China:YU | ASI |
| *P. neopolydactyla* 2b | neopolydactyla2b | X | N1926 | China:YU | ASI |
| *P. neopolydactyla* 2b | neopolydactyla2b | X | N1927 | China:YU | ASI |
| *P. neopolydactyla* 2b | neopolydactyla2b | X | N1929 | China:YU | ASI |
| *P. neopolydactyla* 2b | neopolydactyla2b | X | P1291 | China:YU | ASI |
| *P. neopolydactyla* 3 | neopolydactyla3 | VIIb | P859 | Vietnam | ASI |
| *P. neopolydactyla* 3 | neopolydactyla3 | X | P1283 | China:YU | ASI |
| *P. neopolydactyla* 4 | neopolydactyla4 | IV | P1628 | USA:MAINE | BOR |
| *P. neopolydactyla* 4 | neopolydactyla4 | IV | P1668 | Japan:HOK | BOR |
| *P. neopolydactyla* 4 | neopolydactyla4 | IV | P1675 | Japan:Hok | BOR |
| *P. neopolydactyla* 4 | neopolydactyla4 | IV | P3014 | USA:MI | BOR |
| *P. neopolydactyla* 4 | neopolydactyla4 | IV | P3023 | Canada:QC | BOR |
| *P. neopolydactyla* 4 | neopolydactyla4 | IV | P321 | Canada:QC | BOR |
| *P. neopolydactyla* 4 | neopolydactyla4 | IV | P302 | Canada:QC | BOR |
| *P. neopolydactyla* 4 | neopolydactyla4 | IV | P320 | Canada:QC | BOR |
| *P. neopolydactyla* 4 | neopolydactyla4 | IV | P5026 | Canada:QC | BOR |
| *P. neopolydactyla* 4 | neopolydactyla4 | IV | P5014 | Canada:QC | BOR |
| *P. neopolydactyla* 4 | neopolydactyla4 | IV | P3024 | Norway | BOR |
| *P. neopolydactyla* 4 | neopolydactyla4 | IV | P591 | Norway | BOR |
| *P. neopolydactyla* 4 | neopolydactyla4 | IV | P811 | Norway | BOR |
| *P. neopolydactyla* 4 | neopolydactyla4 | Xia | P5082 | Canada:QC | BOR |
| *P. neopolydactyla* 4 | neopolydactyla4 | XIa | P1212 | Norway | BOR |
| *P. neopolydactyla* 4 | neopolydactyla4 | XIa | P506 | Norway | BOR |
| *P. neopolydactyla* 4 | neopolydactyla4 | XIa | P669 | Norway | BOR |
| *P. neopolydactyla* 5 | neopolydactyla5 | XIb | P1228 | USA:OR | PNW |
| *P. neopolydactyla* 5 | neopolydactyla5 | XIb | P1677 | USA:OR | PNW |
| *P. neopolydactyla* 5 | neopolydactyla5 | XIb | P1232 | USA:OR | PNW |
| *P. neopolydactyla* 5 | neopolydactyla5 | XIb | P1257 | USA:OR | PNW |
| *P. neopolydactyla* 5 | neopolydactyla5 | XIb | P3068 | Canada:BC? | PNW |
| *P. neopolydactyla* 6 | neopolydactyla6 | XIII | P1223 | USA:OR | PNW |
| *P. neopolydactyla* 6 | neopolydactyla6 | XIII | P1231 | USA:OR | PNW |
| *P. neopolydactyla* 6 | neopolydactyla6 | XVII | N1886 | USA:OR | PNW |
| *P. neopolydactyla* 6 | neopolydactyla6 | XVII | N1888 | USA:OR | PNW |
| *P. neopolydactyla* 6 | neopolydactyla6 | XVII | P1258 | Canada:BC | PNW |
| *P. neopolydactyla* 6 | neopolydactyla6 | XVII | P3051 | USA:OR | PNW |
| *P. neopolydactyla* 7 | neopolydactyla7 | XVII | P3010 | Russia:SAKH | BOR |
| *P. "neorufescens"* 1 | neorufescens1 | unique1 | P2072 | Costa Rica | NEO |
| *P. "neorufescens"* 1 | neorufescens1 | XXXIX | P2061 | Mexico | NEO |
| *P. "neorufescens"* 2 | neorufescens2 | VI | P2046 | Bolivia | NEO |
| *P. "neorufescens"* 2 | neorufescens2 | VI | P2053 | Peru | NEO |
| *P. "neorufescens"* 3 | neorufescens3 | unique2 | P2184 | Germany | EUR |
| *P. "neorufescens"* 4 | neorufescens4 | XXX | P2229 | Canada:AB | BOR |
| *P. “neorufescens”* 5 | neorufescens5 | XLI | P2086 | Canada:YT | BOR |
| *P. “neorufescens”* 6 | neorufescens6 | XLI | P2230 | USA:OR | PNW |
| *P. “neorufescens”* 6 | neorufescens6 | XXXVIIIb | P2205 | USA:UT | NAM |
| *P. occidentalis* | occidentalis | VIIa | P108 | Canada:QC | BOR |
| *P. occidentalis* | occidentalis | VIIa | P299 | Canada:QC | BOR |
| *P. occidentalis* | occidentalis | VIIa | P543 | Norway | BOR |
| *P. occidentalis* | occidentalis | VIIa | P314 | Canada:QC | BOR |
| *P. occidentalis* | occidentalis | VIIa | P410 | Russia:SIB | BOR |
| *P. occidentalis* | occidentalis | VIIa | P571 | Norway | BOR |
| *P. occidentalis* | occidentalis | VIIa | P5062 | Canada:QC | BOR |
| *P. occidentalis* | occidentalis | VIIa | P305 | Canada:QC | BOR |
| *P. occidentalis* | occidentalis | VIIa | P5048 | Canada:QC | BOR |
| *P. occidentalis* | occidentalis | VIIa | P316 | Canada:QC | BOR |
| *P. occidentalis* | occidentalis | VIIa | P103 | Canada:QC | BOR |
| *P. occidentalis* | occidentalis | VIIa | P5081 | Canada:QC | BOR |
| *P. occidentalis* | occidentalis | VIIa | P853 | USA:AK | BOR |
| *P. occidentalis* | occidentalis | VIIb | P1638 | USA:NC | NAM |
| *P. occidentalis* | occidentalis | VIIb | P3063 | USA:NC | NAM |
| *P. occidentalis* | occidentalis | VIIb | P3064 | USA:NC | NAM |
| *P. occidentalis* | occidentalis | VIIb | P3034 | Russia:Kha | BOR |
| *P. pacifica* | pacifica | XIII | P1240 | Canada:BC | PNW |
| *P. pacifica* | pacifica | XIII | P1241 | Canada:BC | PNW |
| *P. pacifica* | pacifica | XIII | P1242 | Canada:BC | PNW |
| *P. pacifica* | pacifica | XIII | P1243 | Canada:BC | PNW |
| *P. pacifica* | pacifica | XVII | P3049 | Canada:BC | PNW |
| *P. papuana* | papuana | XXXI | P2178 | Papua New Guinea | PNG |
| *P. papuana* | papuana | XXXI | P1830=P2179 | Papua New Guinea | PNG |
| *P. patagonica* | patagonica | XXVIII | P0076 | Chile | NEA |
| *P. patagonica* | patagonica | XXVIII | P2013 | Chile | NEA |
| *P. patagonica* | patagonica | XXVIII | P2015 | Chile | NEA |
| *P. patagonica* | patagonica | XXVIII | P2049 | Argentina | NEA |
| *P. polydactylon ssp. polydactylon* | polydactylon | V | N2069 | Norway | BOR |
| *P. polydactylon ssp. polydactylon* | polydactylon | V | P385 | Norway | BOR |
| *P. polydactylon ssp. polydactylon* | polydactylon | V | P388 | Norway | BOR |
| *P. polydactylon ssp. polydactylon* | polydactylon | V | P856 | Iran | EUR |
| *P. polydactylon ssp. polydactylon* | polydactylon | V | P1213 | Norway | BOR |
| *P. polydactylon ssp. polydactylon* | polydactylon | V | P3018 | Turkey | EUR |
| *P. polydactylon ssp. polydactylon* | polydactylon | V | P682 | Norway | BOR |
| *P. polydactylon ssp. polydactylon* | polydactylon | V | P816 | Norway | BOR |
| *P. polydactylon ssp. polydactylon* | polydactylon | V | P833 | Norway | BOR |
| *P. ponojensis/monticola* 3 | ponojensis3 | VI | HOB020708-62-1-3 | Canada:BC | PNW |
| *P. ponojensis/monticola* 5a | ponojensis5a | unique19 | P1287 | China:YU | ASI |
| *P. ponojensis/monticola* 5a | ponojensis5a | XXXII | P0192 | India | ASI |
| P. ponojensis/monticola 5b | ponojensis5b | VI | HOB020708-70-1-4 | Canada:BC | PNW |
| *P. ponojensis/monticola* 6 | ponojensis6 | XXXII | P2167 | China:YU | ASI |
| *P. ponojensis/monticola* 6 | ponojensis6 | XXXIX | NP18 | China:Ningxia | ASI |
| *P. ponojensis/monticola* 6 | ponojensis6 | XXXIX | NP19 | China:Ningxia | ASI |
| P. praetextata | praetextata | unique28 | HOB030611-5-10-8 | Canada:BC | PNW |
| *P. praetextata* | praetextata | V | P0420 | Serbia | EUR |
| *P. praetextata* | praetextata | V | P2025 | Russia | EUR |
| *P. praetextata* | praetextata | V | P2088 | USA:NY | BOR |
| *P. praetextata* | praetextata | V | P2092 | USA:ME | BOR |
| *P. praetextata* | praetextata | V | P2226 | USA:MI | BOR |
| *P. praetextata* | praetextata | V | P2227 | Russia:KHA | BOR |
| *P. praetextata* | praetextata | V | P2231 | Canada:AB | BOR |
| P. praetextata | praetextata | VI | HOB030611-0-0-5 | Canada:BC | PNW |
| P. praetextata | praetextata | VI | HOB030611-5-10-7 | Canada:BC | PNW |
| P. praetextata | praetextata | VI | HOB030611-0-5-8 | Canada:BC | PNW |
| *P. praetextata* | praetextata | XLII | P0570 | Norway | BOR |
| *P. praetextata* | praetextata | XLII | P0842 | Norway | BOR |
| *P. praetextata* | praetextata | XXXII | P1514 | China:YU | ASI |
| *P. praetextata* | praetextata | XXXII | P1515 | China:YU | ASI |
| *P. praetextata* | praetextata | XXXII | P2096 | India | ASI |
| *P. praetextata* | praetextata | XXXIX | P2233 | USA:AZ | NAM |
| *P. pulverulenta* 1 | pulverulenta1 | HT41 | P890 | Bolivia | NEO |
| *P. pulverulenta* 1 | pulverulenta1 | XIX | P1566 | Brazil | NEO |
| *P. pulverulenta* 1 | pulverulenta1 | XIX | P897 | Mexico | NEO |
| *P. pulverulenta* 1 | pulverulenta1 | XIX | P1572 | Brazil | NEO |
| *P. pulverulenta* 1 | pulverulenta1 | XVa | P928 | Colombia | NEO |
| *P. pulverulenta* 2 | pulverulenta2 | XIX | P900 | Colombia | NEO |
| *P. pulverulenta* 2 | pulverulenta2 | XIX | P1521 | Colombia | NEO |
| *P. pulverulenta* 3 | pulverulenta3 | HT34 | P1522 | Colombia | NEO |
| *P. retifoveata* | retifoveata | XXXIII | P0074 | Russia:Sakh | BOR |
| *P. retifoveata* | retifoveata | XXXIII | P1839=P1030 | Norway | BOR |
| *P. retifoveata* | retifoveata | XXXIII | P2100 | USA:AK | BOR |
| *P. rufescens* 1 | rufescens1 | XXV | P2002 | Denmark | EUR |
| *P. rufescens* 1 | rufescens1 | XXV | P2043 | Chile | NEA |
| *P. rufescens* 1 | rufescens1 | XXX | P1111 | Canada:BC | PNW |
| *P. rufescens* 1 | rufescens1 | XXXIII | P2203 | USA:UT | NAM |
| *P. rufescens* 1 | rufescens1 | XXXV | P2083 | USA:NC | NAM |
| *P. rufescens* 2 | rufescens2 | XL | P2071 | Costa Rica | NEO |
| *P. rufescentiformis* | rufescentiformis | unique22 | P2143 | Kenya | AFR |
| *P. rufescentiformis* | rufescentiformis | XXXIX | P2142 | Kenya | AFR |
| *P. scabrosa* 1 | scabrosa1 | VIIa | P1210 | Norway | BOR |
| *P. scabrosa* 1 | scabrosa1 | VIIa | P1250 | Canada:AB | BOR |
| *P. scabrosa* 1 | scabrosa1 | VIIa | P1539 | Russia:Kras | BOR |
| *P. scabrosa* 1 | scabrosa1 | VIIa | P306 | Canada:QC | BOR |
| *P. scabrosa* 1 | scabrosa1 | VIIa | P311 | Canada:QC | BOR |
| *P. scabrosa* 1 | scabrosa1 | VIIa | P93 | Canada:QC | BOR |
| *P. scabrosa* 1 | scabrosa1 | VIIa | P97 | Canada:QC | BOR |
| *P. scabrosa* 1 | scabrosa1 | VIIa | P5033 | Canada:QC | BOR |
| *P. scabrosa* 1 | scabrosa1 | VIIa | P5027 | Canada:QC | BOR |
| *P. scabrosa* 1 | scabrosa1 | VIIa | P5022 | Canada:QC | BOR |
| *P. scabrosa* 1 | scabrosa1 | VIIa | P5020 | Canada:QC | BOR |
| *P. scabrosa* 1 | scabrosa1 | VIIa | P5021 | Canada:QC | BOR |
| *P. scabrosa* 1 | scabrosa1 | VIIa | P5017 | Canada:QC | BOR |
| *P. scabrosa* 1 | scabrosa1 | VIIa | P5009 | Canada:QC | BOR |
| *P. scabrosa* 1 | scabrosa1 | VIIa | P5010 | Canada:QC | BOR |
| *P. scabrosa* 1 | scabrosa1 | VIIa | P5019 | Canada:QC | BOR |
| *P. scabrosa* 1 | scabrosa1 | VIIa | P91 | Canada:QC | BOR |
| *P. scabrosa* 1 | scabrosa1 | VIIa | P5032 | Canada:QC | BOR |
| *P. scabrosa* 1 | scabrosa1 | VIIa | P5034 | Canada:QC | BOR |
| *P. scabrosa* 1 | scabrosa1 | VIIa | P95 | Canada:QC | BOR |
| *P. scabrosa* 1 | scabrosa1 | VIIa | P310 | Canada:QC | BOR |
| *P. scabrosa* 1 | scabrosa1 | VIIa | P308 | Canada:QC | BOR |
| *P. scabrosa* 1 | scabrosa1 | VIIa | P94 | Canada:QC | BOR |
| *P. scabrosa* 1 | scabrosa1 | VIIa | P297 | Canada:QC | BOR |
| *P. scabrosa* 1 | scabrosa1 | VIIa | P301 | Canada:QC | BOR |
| *P. scabrosa* 2 | scabrosa2 | VIId | P1721 | Greenland | BOR |
| *P. scabrosa* 2 | scabrosa2 | VIId | P1328 | Canada:QC | BOR |
| *P. scabrosa* 2 | scabrosa2 | VIId | P5045 | Canada:QC | BOR |
| *P. scabrosa* 2 | scabrosa2 | VIId | P5023 | Canada:QC | BOR |
| *P. scabrosa* 2 | scabrosa2 | XIa | P113 | Canada:QC | BOR |
| *P. scabrosa* 2 | scabrosa2 | XIa | P1209 | Norway | BOR |
| *P. scabrosa* 2 | scabrosa2 | XIa | P107 | Canada:QC | BOR |
| *P. scabrosa* 2 | scabrosa2 | XIa | P1255 | Canada:BC | PNW |
| *P. scabrosa* 2 | scabrosa2 | XIa | P1540 | Russia:Kras | BOR |
| *P. scabrosa* 2 | scabrosa2 | XIa | P5018 | Canada:QC | BOR |
| *P. scabrosa* 2 | scabrosa2 | XIa | P5012 | Canada:QC | BOR |
| *P. scabrosa* 2 | scabrosa2 | XIa | P5013 | Canada:QC | BOR |
| *P. scabrosa* 2 | scabrosa2 | XIa | P5041 | Canada:QC | BOR |
| *P. scabrosa* 2 | scabrosa2 | XIa | P296 | Canada:QC | BOR |
| *P. scabrosa* 2 | scabrosa2 | XIa | P3030 | Canada:QC | BOR |
| *P. scabrosa* 2 | scabrosa2 | XIa | P520 | Norway | BOR |
| *P. scabrosa* 2 | scabrosa2 | XIa | P617 | Norway | BOR |
| *P. scabrosa* 2 | scabrosa2 | XIa | P830 | Norway | BOR |
| *P. scabrosa* 3 | scabrosa3a | VIIa | P865 | Russia:Yak | BOR |
| *P. scabrosa* 3 | scabrosa3a | VIIc | N1236 | Greenland | BOR |
| *P. scabrosa* 3 | scabrosa3b | X | P1536 | Russia:Kras | BOR |
| *P. scabrosa* 3 | scabrosa3b | X | P1538 | Russia:Kras | BOR |
| *P. scabrosa* 4 | scabrosa4 | VIIa | P312 | Canada:QC | BOR |
| *P. scabrosa* 4 | scabrosa4 | VIIa | P318 | Canada:QC | BOR |
| *P. scabrosa* 4 | scabrosa4 | VIIa | P315 | Canada:QC | BOR |
| *P. scabrosa* 4 | scabrosa4 | VIIa | P5011 | Canada:QC | BOR |
| *P. scabrosa* 4 | scabrosa4 | VIIa | P5029 | Canada:QC | BOR |
| *P. scabrosa* 4 | scabrosa4 | VIIa | P529 | Norway | BOR |
| *P. scabrosa* 4 | scabrosa4 | VIIa | P549 | Norway | BOR |
| *P. scabrosella* | scabrosella | XIa | P391 | Norway | BOR |
| *P. scabrosella* | scabrosella | XIa | P514 | Norway | BOR |
| *P. scabrosella* | scabrosella | XIa | P619 | Norway | BOR |
| *P. scabrosella* | scabrosella | XIa | P854 | Greenland | BOR |
| *P. soredians* | soredians | XL | P2068 | Costa Rica | NEO |
| *P. soredians* | soredians | XL | P2151 | Ecuador | NEO |
| *P. soredians* | soredians | XXVIc | P2020 | Ecuador | NEO |
| *P. soredians* | soredians | XXVIc | P2152 | Ecuador | NEO |
| *P. sorediifera* | sorediifera | V | P2146 | Australia | AUS |
| *P. sorediifera* | sorediifera | V | P2173 | Australia | AUS |
| *P*. sp. 1 | sp1 | HT40 | P905 | Colombia | NEO |
| *P*. sp. 1 | sp1 | XIX | P889 | Bolivia | NEO |
| *P*. sp. 1 | sp1 | XIX | P885 | Bolivia | NEO |
| *P*. sp. 1 | sp1 | XIX | P886 | Bolivia | NEO |
| *P. seneca* | seneca | V | P1652 | Canada:NS | BOR |
| *P. seneca* | seneca | V | P450 | USA:PA | NAM |
| *P. seneca* | seneca | V | P3050 | USA:NC | NAM |
| *P*. sp. 11 | sp11 | IX | N1532 | Papua New Guinea | PNG |
| *P*. sp. 11 | sp11 | IX | N1533 | Papua New Guinea | PNG |
| *P*. sp. 11 | sp11 | IX | N1537 | Papua New Guinea | PNG |
| *P*. sp. 11 | sp11 | IX | N1547 | Papua New Guinea | PNG |
| *P. sp. 12* | sp12 | VIIb | P3304 | Japan:HON | ASI |
| *P.* sp. 13 | sp13 | VIIIa | P2225 | China:YU | ASI |
| *P.* sp. 14 | sp14 | XXIII | P1534 | Chile | NEA |
| *P.* sp. 14 | sp14 | XXIII | P2039 | Chile | NEA |
| *P.* sp. 14 | sp14 | XXIII | P2062 | Chile | NEA |
| *P.* sp. 15 | sp15 | XL | P0432 | Ecuador | NEO |
| *P.* sp. 15 | sp15 | XL | P2153 | Colombia | NEO |
| *P.* sp. 16 | sp16 | XXX | P2186 | USA:OR | PNW |
| *P*. sp. 17 | sp17 | unique23 | P1476 | Peru | NEO |
| *P.* sp. 17 | sp17 | unique24 | P1477 | Peru | NEO |
| *P.* sp. 17 | sp17 | XXVIb | P1472 | Peru | NEO |
| *P*. sp. 17 | sp17 | XXVIb | P1473 | Peru | NEO |
| *P*. sp. 17 | sp17 | XXVIb | P1475 | Peru | NEO |
| *P*. sp. 17 | sp17 | XXVIb | P1728 | Peru | NEO |
| *P.* sp. 17 | sp17 | XXVIb | P2164 | Peru | NEO |
| *P*. sp. 17 | sp17 | XXVIb | P2165 | Peru | NEO |
| *P*. sp. 17 | sp17 | XXXIX | P2195 | Ecuador | NEO |
| *P.* sp. 18 | sp18 | V | P1413 | Russia:Kras | BOR |
| *P.* sp. 18 | sp18 | XXXII | P2094 | India | ASI |
| *P.* sp. 19 | sp19 | VI | P0078 | USA:OR | PNW |
| *P.* sp. 19 | sp19 | VI | P2030 | USA:OR | PNW |
| *P.* sp. 19 | sp19 | VI | P1230 | USA:OR | PNW |
| *P.* sp. 20 | sp20 | VI | HOB14 | Canada:BC | PNW |
| P. sp. 20 | sp20 | VI | HOB030611-10-5-3 | Canada:BC | PNW |
| P. sp. 20 | sp20 | VI | HOB020708-62-1-1 | Canada:BC | PNW |
| P. sp. 20 | sp20 | VI | HOB020708-66-1-4 | Canada:BC | PNW |
| *P.* sp. 21 | sp21 | XXXIX | P2218 | USA:AZ | NAM |
| *P.* sp. 22 | sp22 | VI | P0926 | Colombia | NEO |
| *P*. sp. 22 | sp22 | XXXIX | P1841 | Colombia | NEO |
| *P*. sp. 22 | sp22 | XXXIX | P2074 | Peru | NEO |
| *P.* sp. 22 | sp22 | XXXIX | P2077 | Colombia | NEO |
| *P.* sp. 22 | sp22 | XXXIX | P2054 | Peru | NEO |
| *P.* sp. 2a | sp2a | XIX | P1555 | Brazil | NEO |
| *P*. sp. 2a | sp2a | XIX | P1570 | Brazil | NEO |
| *P*. sp. 2a | sp2a | Xva | P907 | Colombia | NEO |
| *P*. sp. 2b | sp2b | V | P1561 | Brazil | NEO |
| *P*. sp. 2b | sp2b | XIX | P1557 | Brazil | NEO |
| *P*. sp. 2b | sp2b | XIX | P1583 | Brazil | NEO |
| *P*. sp. 3 | sp3 | V | P611 | New Zealand | AUS |
| *P*. sp. 3 | sp3 | XX | P604 | New Zealand | AUS |
| *P*. sp. 3 | sp3 | XX | P607 | New Zealand | AUS |
| *P*. sp. 3 | sp3 | XX | P610 | New Zealand | AUS |
| *P*. sp. 3 | sp3 | XX | P606 | New Zealand | AUS |
| *P*. sp. 3 | sp3 | XX | P608 | New Zealand | AUS |
| *P*. sp. 3 | sp3 | XX | P612 | New Zealand | AUS |
| *P.* sp. 4 | sp4 | VIIb | N1534 | Papua New Guinea | PNG |
| *P.* sp. 5 | sp5 | HT32 | N1545 | Papua New Guinea | PNG |
| *P.* sp. 5 | sp5 | X | P1716 | Papua New Guinea | PNG |
| *P*. sp. 6 | sp6 | HT35 | P1734 | Peru | NEO |
| *P*. sp. 6 | sp6 | HT44 | P1650 | Honduras | NEO |
| *P*. sp. 6 | sp6 | HT46 | P1733 | Peru | NEO |
| *P*. sp. 6 | sp6 | XIX | P936 | Colombia | NEO |
| *P*. sp. 6 | sp6 | XIX | P942 | Colombia | NEO |
| *P.* sp. 7a | sp7a | XIa | N1674 | Canada:BC | PNW |
| *P.* sp. 7a | sp7a | XIa | N1887 | USA:OR | PNW |
| *P.* sp. 7a | sp7a | XIa | N1932 | Canada:BC | PNW |
| *P.* sp. 7a | sp7a | XIa | P3055 | Canada:BC | PNW |
| *P.* sp. 7b | sp7b | XIa | P1660 | Japan:HOK | BOR |
| *P.* sp. 7b | sp7b | XIa | P1672 | Japan:HOK | BOR |
| *P.* sp. 7b | sp7b | XIa | P1674 | Japan:HOK | BOR |
| *P*. sp. 8 | sp8 | HT43 | P1272 | China:JIL | BOR |
| *P*. sp. 8 | sp8 | HT47 | N1920 | China:YU | ASI |
| *P*. sp. 8 | sp8 | VIIIa | N1754 | South Korea | ASI |
| *P*. sp. 8 | sp8 | VIIIa | N1897 | China:YU | ASI |
| *P*. sp. 8 | sp8 | VIIIa | N1898 | China:YU | ASI |
| *P*. sp. 8 | sp8 | VIIIa | N1900 | China:YU | ASI |
| *P*. sp. 8 | sp8 | VIIIa | N1924 | China:YU | ASI |
| *P*. sp. 8 | sp8 | VIIIa | P1237 | Taiwan | ASI |
| *P*. sp. 8 | sp8 | VIIIa | P3013 | Russia:Kha | BOR |
| *P*. sp. 8 | sp8 | VIIIa | N1922 | China:YU | ASI |
| *P*. sp. 8 | sp8 | VIIIa | N1928 | China:YU | ASI |
| *P*. sp. 8 | sp8 | VIIIa | P1299 | China:YU | ASI |
| *P*. sp. 8 | sp8 | XIV | N1748 | South Korea | ASI |
| *P*. sp. 8 | sp8 | XIV | N1766 | South Korea | ASI |
| *P*. sp. 8 | sp8 | XIV | N1752 | South Korea | ASI |
| *P*. sp. 8 | sp8 | XIV | P3035 | Russia:Kha | BOR |
| *P*. sp. 8 | sp8 | XXX | N1947 | China:YU | ASI |
| *P.* sp. 9 | sp9 | VIIIa | N1921 | China:YU | ASI |
| *P.* sp. 9 | sp9 | VIIIa | N1923 | China:YU | ASI |
| *P.* sp. 9 | sp9 | VIIIa | N1907 | China:YU | ASI |
| *P.* sp. 9 | sp9 | VIIIa | N1908 | China:YU | ASI |
| *P.* sp. 9 | sp9 | VIIIa | N1918 | China:YU | ASI |
| *P.* sp. 9 | sp9 | VIIIa | N1936 | China:YU | ASI |
| *P.* sp. 9 | sp9 | VIIIa | P1508 | China:YU | ASI |
| *P. tereziana* | tereziana | XX | P2021 | Australia | AUS |
| *P. tereziana* | tereziana | XX | P2171 | Australia | AUS |
| *P. tereziana* | tereziana | XX | P2172 | Australia | AUS |
| *P. tereziana* | tereziana | XX | P0433 | Australia | AUS |
| *P. tereziana* | tereziana | XX | P2174 | Australia | AUS |
| *P. truculenta* | truculenta | HT36 | P332 | Chile | NEA |
| *P. truculenta* | truculenta | HT38 | P329 | Chile | NEA |
| *P. truculenta* | truculenta | VIIIb | P1251 | Chile | NEA |
| *P. truculenta* | truculenta | VIIIb | P335 | Chile | NEA |
| *P. truculenta* | truculenta | XVb | P3057 | Chile | NEA |
| *P. truculenta* | truculenta | XVb | P330 | Chile | NEA |
| *P. polydactylon ssp. udeghe* | udeghe | V | HOB030611-10-10-3 | Canada:BC | PNW |
| *P. polydactylon ssp. udeghe* | udeghe | V | HOB030611-10-10-6 | Canada:BC | PNW |
| *P. polydactylon ssp. udeghe* | udeghe | V | P3019 | New Zealand | AUS |
| *P. polydactylon ssp. udeghe* | udeghe | V | P3022 | Australia | AUS |
| *P. polydactylon ssp. udeghe* | udeghe | V | P71 | USA:NM | NAM |
| *P. polydactylon ssp. udeghe* | udeghe | V | P1235 | USA:AK | BOR |
| *P. polydactylon ssp. udeghe* | udeghe | V | P3012 | Russia:kha | BOR |
| *P. polydactylon ssp. udeghe* | udeghe | V | P3015 | USA:MI | BOR |
| *P. polydactylon ssp. udeghe* | udeghe | V | P3033 | Russia:Kha | BOR |
| *P. polydactylon ssp. udeghe* | udeghe | V | P3048 | USA:NM | NAM |
| *P. polydactylon ssp. udeghe* | udeghe | VI | HOB030611-0-5-6 | Canada:BC | PNW |
| *P. ulcerata* 1 | ulcerata1 | unique25 | P2105 | Peru | NEO |
| *P. ulcerata* 1 | ulcerata1 | V | P2063 | Chile | NEA |
| *P. ulcerata* 1 | ulcerata1 | XXXIX | P0033 | Costa Rica | NEO |
| *P. ulcerata* 1 | ulcerata1 | XXXIX | P0041 | Costa Rica | NEO |
| *P. ulcerata* 1 | ulcerata1 | XXXIX | P0043 | Costa Rica | NEO |
| *P. ulcerata* 1 | ulcerata1 | XXXIX | P0048 | Costa Rica | NEO |
| *P. ulcerata* 1 | ulcerata1 | XXXIX | P2148 | Colombia | NEO |
| *P. ulcerata* 2 | ulcerata2 | V | P2216 | Australia | AUS |
| *P. vainioi* | vainioi | XXVIa | P2080 | Colombia | NEO |
| *P. vainioi* | vainioi | XXVIa | P2115 | Colombia | NEO |
| *P. vainioi* | vainioi | XXVIa | P2196 | Ecuador | NEO |
| *P. venosa* | venosa | VI | HOB020708-4-5-3 | Canada:BC | PNW |
| *P. venosa* | venosa | VI | HOB020708-70-1-8 | Canada:BC | PNW |
| *P. venosa* | venosa | VI | HOB040605-12-1 | Canada:BC | PNW |
| *P. venosa* | venosa | XLIV | P6094 | USA:UT | NAM |
| *P. wulingensis* | wulingensis | V | P2188 | Canada:AB | BOR |
| *P. wulingensis* | wulingensis | XXXIII | P2031 | Russia:KRAS | BOR |
| *P. wulingensis* | wulingensis | XXXIII | P1348 | Canada:QC | BOR |