Appendix

Figure A1. Species trees inferred by tetrad, with bootstrap support values = 100% unless indicated. Nodes with less than 50% boostrap support have been collapsed. White nodes represent topological conflicts between the tetrad min4 tree and min30 tree. Gray nodes represent topological conflicts between either of the tetrad trees and the RAxML tree (Fig. 1). Black nodes represent topological conflicts between the tetrad min4 tree and m30 tree plus conflict between either of the tetrad trees and the concatenated RAxML tree.

Figure A2. ASTRAL species tree. Nodes have local posterior probability = 1.0 unless otherwise noted. Branch lengths are in coalescent units. ASTRAL cannot estimate terminal branch lenghs, so all terminal branches arbitrarily = 1.0 coalescent units. Black nodes represent topological conflicts between the ASTRAL species tree and the concatenated RAxML tree.

Figure A3. Primary concordance tree. Species sampled for each clade are indicated below the clade names. Nodes are labeled with concordance factors, 95% CI in parentheses. Dotted lines indicate conflicting topologies with concordance factor 95% CIs that overlap with the concordance factor 95% CI of a bipartition in the primary concordance tree.

Figure A4. Primary concordance tree. Species sampled for each clade are indicated below the clade names. Nodes are labeled with concordance factors, 95% CI in parentheses.

Fig. A5. Time-calibrated maximum clade credibility species tree inferred using SNAPP with all unlinked SNPs shared by the eleven sampled taxa. Grey bars on the nodes indicate 95% highest posterior density for the node heights. Bayesian posterior support is 1.0 unless otherwise labeled. Arrows indicate the potential window for introgression between the stem lineage of *Allohistium* and the stem lineage of *Simoperca*.

Table A1. Species included in the RAD dataset. YPM ICH stand for Yale Peabody Museum of Natural History Ichthyology Collctions. YFTC stands for Yale Peabody Museum of Natural History tissue collection. UAIC stands for University of Alabama Ichthyological Collection. UT stands for University of Tennessee. UTFTC stands for University of Tennessee Fish Tissue Collection. INHS stands for Illinois Natural History Survey. NCSM stands for North Carolina State Museum.

|  |  |  |
| --- | --- | --- |
| Species | Tissue Code | Museum Voucher |
| *Allohistium cinereum* | YFTC 19545 | YPM ICH 24141 |
| *Allohistium cinereum* | YFTC 3319 | UT 91.6787 |
| *Allohistium maydeni* | YFTC 13140 | YPM ICH 20865 |
| *Allohistium maydeni* | YFTC 7090 | UT 91.7531 |
| *Ammocrypta beanii* | YFTC 314 | INHS 38611 |
| *Ammocrypta pellucida* | YFTC 10012 | YPM ICH 17573 |
| *Crystallaria asprella* | YFTC 686 | No voucher |
| *Etheostoma akatulo* | YFTC 6571 | No voucher |
| *Etheostoma artesiae* | YFTC 10899 | YPM ICH 18571 |
| *Etheostoma atripinne* | YFTC 11775 | YPM ICH 19906 |
| *Etheostoma baileyi* | YFTC 6527 | UT 91.7240 |
| *Etheostoma barbouri* | YFTC 11746 | YPM ICH 19951 |
| *Etheostoma barratti* | YFTC 6174 | UT 91.7273 |
| *Etheostoma barrenense* | YFTC 6373 | UT 91.7312 |
| *Etheostoma basilare* | YFTC 15911 | YPM ICH 22186 |
| *Etheostoma bellator* | YFTC 9071 | YPM ICH 18345 |
| *Etheostoma binotatum* | YFTC 6067 | YPM ICH 24385 |
| *Etheostoma blennius* | YFTC 19543 | YPM ICH 24143 |
| *Etheostoma boschungi* | YFTC 2196 | No voucher |
| *Etheostoma brevirostrum* | YFTC 24358 | YPM ICH 27051 |
| *Etheostoma caeruleum* | YFTC 21232 | YPM ICH 25130 |
| *Etheostoma cf. lepidum* | YFTC 14468 | YPM ICH 21283 |
| *Etheostoma cf. lepidum* | YFTC 24655 | YPM ICH 27986 |
| *Etheostoma cf. olmstedi* | YFTC 8009 | No voucher |
| *Etheostoma chlorosomum* | YFTC 18252 | YPM ICH 22964 |
| *Etheostoma collis* | YFTC 11569 | NCSM 36826 |
| *Etheostoma coosae* | YFTC 3267 | No voucher |
| *Etheostoma crossopterum* | YFTC 24310 | YPM ICH 27017 |
| *Etheostoma davisoni* | YFTC 2094 | No voucher |
| *Etheostoma derivativum* | YFTC 27958 | YPM ICH 27908 |
| *Etheostoma duryi* | YFTC 5754 | UT 91.7093 |
| *Etheostoma edwini* | YFTC 973 | No voucher |
| *Etheostoma etneri* | YFTC 3198 | UT 91.6694 |
| *Etheostoma euzonum* | YFTC 10547 | YPM ICH 18679 |
| *Etheostoma flabellare* | YFTC 19461 | YPM ICH 24099 |
| *Etheostoma fonticola* | YFTC 2106 | No voucher |
| *Etheostoma forbesi* | YFTC 11839 | YPM ICH 19853 |
| *Etheostoma fusiforme* | YFTC 2654 | UT 91.6576 |
| *Etheostoma grahami* | YFTC 5865 | No voucher |
| *Etheostoma histrio* | YFTC 8894 | YPM ICH 16102 |
| *Etheostoma hopkinsi* | YFTC 6215 | UT 91.7243 |
| *Etheostoma jessiae* | YFTC 14000 | YPM ICH 21934 |
| *Etheostoma kanawhae* | YFTC 19634 | YPM ICH 24064 |
| *Etheostoma kennicotti* | YFTC 24447 | YPM ICH 27306 |
| *Etheostoma lepidum* | YFTC 5049 | YPM ICH 28060 |
| *Etheostoma longimanum* | YFTC 8638 | YPM ICH 16974 |
| *Etheostoma lynceum* | YFTC 14353 | YPM ICH 22154 |
| *Etheostoma mariae* | YFTC 2614 | YPM ICH 24386 |
| *Etheostoma microperca* | YFTC 10258 | YPM ICH 18548 |
| *Etheostoma nebra* | YFTC 20067 | YPM ICH 27005 |
| *Etheostoma nigripinne* | YFTC 19757 | YPM ICH 23731 |
| *Etheostoma nigrum* | YFTC 24566 | YPM ICH 27398 |
| *Etheostoma obeyense* | YFTC 20149 | YPM ICH 27036 |
| *Etheostoma olmstedi* | YFTC 8748 | YPM ICH 17063 |
| *Etheostoma oophylax* | YFTC 18847 | YPM ICH 23821 |
| *Etheostoma palididorsum* | YFTC 2282 | UAIC 8000.02 |
| *Etheostoma parvipinne* | YFTC 10814 | YPM ICH 18265 |
| *Etheostoma perlongum* | YFTC 8006 | No voucher |
| *Etheostoma pholidotum* | YFTC 8147 | YPM ICH 15608 |
| *Etheostoma podostemone* | YFTC 8662 | YPM ICH 15883 |
| *Etheostoma proeliare* | YFTC 2489 | UT 91.6467 |
| *Etheostoma pulchellum* | YFTC 28003 | YPM ICH 28017 |
| *Etheostoma radiosum* | YFTC 19429 | YPM ICH 24078 |
| *Etheostoma rupestre* | YFTC 19561 | YPM ICH 24109 |
| *Etheostoma sagitta* | YFTC 19163 | YPM ICH 23771 |
| *Etheostoma saludae* | YFTC 6046 | UT 91.7198 |
| *Etheostoma segrex* | UTFTC 3299 | UT 91.7266 |
| *Etheostoma serrifer* | YFTC 6124 | No voucher |
| *Etheostoma simoterum* | YFTC 7420 | YPM ICH 17500 |
| *Etheostoma smithi* | YFTC 16100 | YPM ICH 21927 |
| *Etheostoma spectabile* | YFTC 18036 | YPM ICH 22913 |
| *Etheostoma stigmaeum* | YFTC 19958 | YPM ICH 23575 |
| *Etheostoma susanae* | YFTC 8347 | YPM ICH 15843 |
| *Etheostoma swaini* | YFTC 14376 | YPM ICH 22157 |
| *Etheostoma swannanoa* | YFTC 19863 | YPM ICH 23709 |
| *Etheostoma tallapoosae* | YFTC 5625 | UT 91.6977 |
| *Etheostoma trisella* | UAIC 15488-01 | UAIC 15488-01 |
| *Etheostoma tuscumbia* | YFTC 936 | INHS 64325 |
| *Etheostoma uniporum* | YFTC 10391 | YPM ICH 18630 |
| *Etheostoma variatum* | YFTC 19048 | YPM ICH 23724 |
| *Etheostoma virgatum* | YFTC 19170 | YPM ICH 23772 |
| *Etheostoma vitreum* | YFTC 8686 | YPM ICH 16372 |
| *Etheostoma zonale* | YFTC 2911 | UT 91.6631 |
| *Etheostoma zonifer* | YFTC 9590 | YPM ICH 16591 |
| *Etheostoma zonistium* | YFTC 19957 | YPM ICH 23574 |
| *Nothonotus acuticeps* | YFTC 19621 | YPM ICH 24091 |
| *Nothonotus jordani* | YFTC 985 | INHS 38103 |
| *Nothonotus juliae* | YFTC 897 | INHS 38559 |
| *Nothonotus microlepidus* | YFTC 19096 | YPM ICH 23786 |
| *Nothonotus rubrus* | YFTC 10618 | YPM ICH 18752 |
| *Nothonotus rufilineatus* | YFTC 5477 | UT 91.7011 |
| *Nothonotus sanguifluus* | YFTC 2444 | UT 91.6706 |
| *Nothonotus starnesi* | YFTC 16055 | YPM ICH 21963 |
| *Nothonotus tippecanoe* | YFTC 6424 | UT 91.7305 |
| *Nothonotus vulneratus* | YFTC 19624 | YPM ICH 24093 |
| *Perca flavescens* | YFTC 24507 | YPM ICH 27384 |
| *Percina aurantiaca* | YFTC 88 | INHS 64349 |
| *Percina austroperca* | YFTC 8917 | YPM ICH 16106 |
| *Percina caprodes* | YFTC 21409 | YPM ICH 27964 |
| *Percina carbonaria* | YFTC 5189 | YPM ICH 28059 |
| *Percina crypta* | YFTC 13051 | YPM ICH 020668 |
| *Percina cymatotaenia* | YFTC 10249 | YPM ICH 18551 |
| *Percina evides* | YFTC 19827 | YPM ICH 23560 |
| *Percina kusha* | YFTC 11005 | YPM ICH 18251 |
| *Percina macrocephala* | YFTC 6364 | YPM ICH 24352 |
| *Percina maculata* | YFTC 19954 | YPM ICH 23335 |
| *Percina nigrofasciata* | YFTC 13068 | YPM ICH 020713 |
| *Percina oxyrhynchus* | YFTC 9966 | YPM ICH 17093 |
| *Percina palmaris* | YFTC 13091 | YPM ICH 20957 |
| *Percina rex* | YFTC 24588 | YPM ICH 27360 |
| *Percina roanoka* | YFTC 8652 | YPM ICH 15882 |
| *Percina shumardi* | YFTC 10915 | YPM ICH 18575 |
| *Percina vigil* | YFTC 19711 | YPM ICH 23542 |
| *Sander canadensis* | mobBA | RAY HAS THIS INFO |

Table A2. Locus recovery for the four RAD datasets.

|  |  |
| --- | --- |
|  | RAD Datasets |
|  | **Minimum 30 samples per locus** | **Minimum 20 samples per locus** | **Minimum 10 samples per locus** | **Minimum** **4 samples per locus** |
| Total Loci: | 30,636 | 37,624 | 59,255 | 131,909 |
| % Missing Data: | 44% | 52% | 68% | 82% |
| Parsimony Informative Sites: | 605,113 | 687,792 | 844,431 | 1,013,126 |
|  |  |  |  |  |
|  | **Loci per species** | **Loci per species** | **Loci per species** | **Loci per species** |
| *Allohistium cinereum* | 22,460 | 24,473 | 27,231 | 31,029 |
| *Allohistium cinereum* | 19,447 | 21,149 | 23,572 | 27,078 |
| *Allohistium maydeni* | 13,261 | 14,386 | 15,980 | 18,661 |
| *Allohistium maydeni* | 20,630 | 22,461 | 25,131 | 29,036 |
| *Ammocrypta beanii* | 14,584 | 15,591 | 17,459 | 19,592 |
| *Ammocrypta pellucida* | 17,480 | 18,699 | 21,013 | 24,358 |
| *Crystallaria asprella* | 17,525 | 18,792 | 20,940 | 23,316 |
| *Etheostoma akatulo* | 19,512 | 21,144 | 23,349 | 26,346 |
| *Etheostoma artesiae* | 20,959 | 22,495 | 25,200 | 28,772 |
| *Etheostoma atripinne* | 22,555 | 24,473 | 27,583 | 30,991 |
| *Etheostoma baileyi* | 22,722 | 24,686 | 27,820 | 30,811 |
| *Etheostoma barbouri* | 18,937 | 20,552 | 23,153 | 27,296 |
| *Etheostoma barratti* | 20,971 | 22,510 | 24,691 | 27,960 |
| *Etheostoma barrenense* | 21,306 | 23,070 | 26,051 | 29,191 |
| *Etheostoma basilare* | 21,877 | 23,762 | 26,873 | 31,951 |
| *Etheostoma bellator* | 20,514 | 22,244 | 25,172 | 28,806 |
| *Etheostoma binotatum* | 21,280 | 22,922 | 25,216 | 29,178 |
| *Etheostoma blennius* | 22,194 | 24,105 | 26,994 | 30,121 |
| *Etheostoma boschungi* | 18,984 | 20,342 | 22,306 | 24,708 |
| *Etheostoma brevirostrum* | 19,501 | 21,130 | 23,874 | 27,432 |
| *Etheostoma caeruleum* | 17,986 | 19,305 | 21,659 | 24,900 |
| *Etheostoma cf. lepidum* | 8,352 | 8,990 | 10,340 | 13,144 |
| *Etheostoma cf. lepidum* | 19,202 | 20,567 | 23,246 | 28,898 |
| *Etheostoma cf. olmstedi* | 21,725 | 23,546 | 26,407 | 32,550 |
| *Etheostoma chlorosomum* | 19,659 | 21,141 | 23,144 | 25,968 |
| *Etheostoma collis* | 8,231 | 8,742 | 9,457 | 10,619 |
| *Etheostoma coosae* | 21,249 | 23,091 | 26,136 | 29,434 |
| *Etheostoma crossopterum* | 18,654 | 20,211 | 22,555 | 25,327 |
| *Etheostoma davisoni* | 18,804 | 20,189 | 22,222 | 25,318 |
| *Etheostoma derivativum* | 16,927 | 18,298 | 20,535 | 24,611 |
| *Etheostoma duryi* | 19,108 | 20,688 | 23,413 | 26,942 |
| *Etheostoma edwini* | 19,692 | 21,138 | 23,155 | 27,044 |
| *Etheostoma etneri* | 21,768 | 23,609 | 26,666 | 30,291 |
| *Etheostoma euzonum* | 22,466 | 24,459 | 27,042 | 30,324 |
| *Etheostoma flabellare* | 23,176 | 25,205 | 28,226 | 31,737 |
| *Etheostoma fonticola* | 17,117 | 18,194 | 19,784 | 22,552 |
| *Etheostoma forbesi* | 5,286 | 5,765 | 6,551 | 7,681 |
| *Etheostoma fusiforme* | 19,785 | 21,223 | 23,243 | 26,769 |
| *Etheostoma grahami* | 16,507 | 17,666 | 19,906 | 24,931 |
| *Etheostoma histrio* | 21,952 | 23,748 | 26,511 | 29,015 |
| *Etheostoma hopkinsi* | 21,085 | 22,675 | 25,002 | 28,646 |
| *Etheostoma jessiae* | 13,187 | 14,242 | 15,620 | 17,512 |
| *Etheostoma kanawhae* | 20,690 | 22,498 | 24,932 | 28,521 |
| *Etheostoma kennicotti* | 21,294 | 23,146 | 25,856 | 28,890 |
| *Etheostoma lepidum* | 20,874 | 22,468 | 25,492 | 31,764 |
| *Etheostoma longimanum* | 21,074 | 22,716 | 25,276 | 30,030 |
| *Etheostoma lynceum* | 17,924 | 19,367 | 21,475 | 23,764 |
| *Etheostoma mariae* | 18,375 | 19,805 | 21,654 | 24,263 |
| *Etheostoma microperca* | 18,855 | 20,003 | 21,750 | 24,724 |
| *Etheostoma nebra* | 22,355 | 24,218 | 27,251 | 32,660 |
| *Etheostoma nigripinne* | 21,761 | 23,597 | 26,103 | 28,983 |
| *Etheostoma nigrum* | 21,733 | 23,484 | 26,138 | 31,975 |
| *Etheostoma obeyense* | 22,655 | 24,627 | 27,778 | 33,498 |
| *Etheostoma olmstedi* | 22,344 | 24,177 | 27,008 | 32,850 |
| *Etheostoma oophylax* | 22,193 | 24,086 | 26,813 | 30,049 |
| *Etheostoma palididorsum* | 16,576 | 17,786 | 19,555 | 22,050 |
| *Etheostoma parvipinne* | 19,740 | 21,187 | 23,275 | 25,856 |
| *Etheostoma perlongum* | 21,870 | 23,640 | 26,228 | 31,835 |
| *Etheostoma pholidotum* | 22,287 | 24,155 | 26,991 | 30,235 |
| *Etheostoma podostemone* | 20,500 | 22,116 | 24,648 | 29,927 |
| *Etheostoma proeliare* | 14,925 | 15,849 | 17,214 | 19,755 |
| *Etheostoma pulchellum* | 20,208 | 21,657 | 24,277 | 27,989 |
| *Etheostoma radiosum* | 20,514 | 22,091 | 24,695 | 28,188 |
| *Etheostoma rupestre* | 20,738 | 22,473 | 25,144 | 28,168 |
| *Etheostoma sagitta* | 20,372 | 22,100 | 24,427 | 27,449 |
| *Etheostoma saludae* | 19,365 | 20,690 | 22,609 | 25,907 |
| *Etheostoma segrex* | 18,971 | 20,301 | 22,789 | 28,054 |
| *Etheostoma serrifer* | 20,798 | 22,361 | 24,508 | 27,562 |
| *Etheostoma simoterum* | 20,782 | 22,523 | 25,469 | 29,195 |
| *Etheostoma smithi* | 18,345 | 19,866 | 22,277 | 26,781 |
| *Etheostoma spectabile* | 19,167 | 20,567 | 23,032 | 26,333 |
| *Etheostoma stigmaeum* | 15,702 | 16,903 | 18,522 | 20,685 |
| *Etheostoma susanae* | 21,267 | 22,987 | 25,645 | 31,026 |
| *Etheostoma swaini* | 19,439 | 20,854 | 23,323 | 26,772 |
| *Etheostoma swannanoa* | 14,309 | 15,524 | 17,312 | 19,467 |
| *Etheostoma tallapoosae* | 20,978 | 22,663 | 25,679 | 29,428 |
| *Etheostoma trisella* | 2,246 | 2,432 | 2,778 | 3,731 |
| *Etheostoma tuscumbia* | 19,543 | 20,971 | 23,026 | 25,781 |
| *Etheostoma uniporum* | 20,759 | 22,367 | 25,054 | 28,660 |
| *Etheostoma variatum* | 22,175 | 24,154 | 26,813 | 30,937 |
| *Etheostoma virgatum* | 20,368 | 22,051 | 24,729 | 29,499 |
| *Etheostoma vitreum* | 18,453 | 19,854 | 21,908 | 25,731 |
| *Etheostoma zonale* | 21,732 | 23,543 | 26,260 | 29,341 |
| *Etheostoma zonifer* | 15,413 | 16,422 | 17,985 | 21,092 |
| *Etheostoma zonistium* | 19,675 | 21,358 | 24,248 | 27,884 |
| *Nothonotus acuticeps* | 20,759 | 22,497 | 25,135 | 28,720 |
| *Nothonotus jordani* | 19,938 | 21,591 | 24,106 | 27,732 |
| *Nothonotus juliae* | 16,583 | 17,907 | 19,782 | 22,063 |
| *Nothonotus microlepidus* | 14,896 | 16,124 | 18,102 | 21,991 |
| *Nothonotus rubrus* | 21,209 | 22,967 | 25,661 | 30,599 |
| *Nothonotus rufilineatus* | 22,839 | 24,824 | 27,836 | 32,516 |
| *Nothonotus sanguifluus* | 17,263 | 18,684 | 20,936 | 25,542 |
| *Nothonotus starnesi* | 20,400 | 22,101 | 24,788 | 30,084 |
| *Nothonotus tippecanoe* | 22,301 | 24,244 | 27,465 | 32,320 |
| *Nothonotus vulneratus* | 22,671 | 24,593 | 27,658 | 33,491 |
| *Perca flavescens* | 7,300 | 7,622 | 8,333 | 9,599 |
| *Percina aurantiaca* | 15,633 | 16,917 | 20,645 | 24,714 |
| *Percina austroperca* | 19,424 | 21,020 | 25,686 | 31,852 |
| *Percina caprodes* | 14,667 | 15,824 | 19,346 | 23,763 |
| *Percina carbonaria* | 18,276 | 19,714 | 24,057 | 29,928 |
| *Percina crypta* | 6,882 | 7,445 | 9,188 | 11,475 |
| *Percina cymatotaenia* | 19,128 | 20,617 | 24,803 | 28,746 |
| *Percina evides* | 11,665 | 12,565 | 15,226 | 17,751 |
| *Percina kusha* | 16,784 | 18,094 | 21,934 | 26,404 |
| *Percina macrocephala* | 15,345 | 16,563 | 19,942 | 23,146 |
| *Percina maculata* | 13,752 | 14,804 | 17,906 | 21,012 |
| *Percina nigrofasciata* | 15,030 | 16,135 | 19,572 | 23,170 |
| *Percina oxyrhynchus* | 17,252 | 18,632 | 22,647 | 26,936 |
| *Percina palmaris* | 6,926 | 7,571 | 9,313 | 11,231 |
| *Percina rex* | 18,001 | 19,450 | 23,761 | 29,401 |
| *Percina roanoka* | 16,540 | 17,816 | 21,327 | 24,594 |
| *Percina shumardi* | 14,505 | 15,608 | 18,781 | 21,781 |
| *Percina vigil* | 14,168 | 15,244 | 18,454 | 21,520 |
| *Sander canadensis* | 14,811 | 15,562 | 16,808 | 18,314 |

Table A3. Topology and support value conflicts between RAxML trees inferred for the min4, min10, min 20, and min30 datasets.

|  |  |  |
| --- | --- | --- |
|  |  | Percent Bootstrap Support |
|  | **Node** | **Minimum 4 Samples per Locus** | **Minimum 10 Samples per Locus** | **Minimum 20 Samples per Locus** | **Minimum 30 Samples per Locus** |
| Conflicting node support values | *Carnipellucida* sister to *Percina* | 100 | 92 | 100 | 100 |
| *P. caprodes* sister to *P. carbonaria* | 100 | 100 | 98 | 97 |
| *N. jordani* sister to *N. acuticeps* | 100 | 100 | 100 | 100 |
| *N. tippecanoe* split | 55 | 80 | 78 | 84 |
| *Gemmaperca* sister to *Simoperca* | 59 | 89 | 94 | 100 |
| *Goneaperca* sister to *Farragoperca*  | 78 | 100 | 100 | 100 |
| MRCA of *E. serrifer* and *E. saludae* | 100 | 58 | 46 | 58 |
| *E. virgatum* sister to *E. nebra* | 89 | 100 | 100 | 100 |
| Conflicting topologies | *P. roanoka* and *P.caprodes* have younger MRCA than *P. nigrofasciata and P. caprodes*  | 87 | 75 | N/A | N/A |
| *P. nigrofasciata* and *P.caprodes* have younger MRCA than *P. roanoka and P. caprodes*  | N/A | N/A | 88 | 85 |
| *E. uniporum* and *E. lepidum* have a younger MRCA than *E. artesiae* and *E. lepidum* | 71 | N/A | N/A | N/A |
| *E. artesiae* and *E. lepidum* have a younger MRCA than *E. uniporum* and *E. lepidum* | N/A | 84 | 95 | 78 |

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Table A4. Results of the first set of D-statistic tests (Fig. 4).

Table A5. Results of the first set of D-statistic tests, grouped by P2 taxa + P3 clade. Proportion of D-statistic tests significantly different from 0 after adjusting for multiple comparisons (alpha = 0.05).

Table A6. Results of the first set of D-statistic tests, grouped by P3 taxa. Proportion of D-statistic tests significantly different from 0 after adjusting for multiple comparisons (alpha = 0.05).

Table A7. Results of the first set of D-statistic tests (Fig. 4), grouped by P1 taxa + P3 taxa. Proportion of D-statistic tests significantly different from 0 after adjusting for multiple comparisons (alpha = 0.05).

Table A8. Results of the second set of D-statistic tests (Fig. 5).