

ASV	Kingdom	Phylum	Class	Order	Family	Genus	P Value
Management Intensity							
Fungi							
ASV 47	Fungi	Ascomycota	Eurotiomycetes	Chaetothyriales	Herpotrichiaceae	Veronaea	0.0141
ASV 56	Fungi	Ascomycota	Dothideomycetes	Dothideales	Aureobasidiaceae	Aureobasidium	0.0192
ASV 161	Fungi	Ascomycota	Eurotiomycetes	Chaetothyriales	Trichomeriaceae	Knufia	0.0417
ASV 16	Fungi	Ascomycota	Dothideomycetes	Capnodiales			0.0473
Large – Medium Trees							
Algae							
ASV 32	Eukaryota	Streptophyta	Klebsormidiophyceae	Klebsormidiales	Klebsormidiaceae	Interfilum	0.0003
ASV 10	Eukaryota	Chlorophyta	Trebouxiophyceae	Chlorellales	Chlorellaceae	Apatococcus	0.0003
ASV 7	Eukaryota	Chlorophyta	Trebouxiophyceae	Trebouxiales	Trebouxiaceae	Trebouxia	0.0004
ASV 8	Eukaryota	Chlorophyta	Trebouxiophyceae	Chlorellales	Chlorellaceae	Apatococcus	0.0008
ASV 12	Eukaryota	Chlorophyta	Trebouxiophyceae	Trebouxiales	Trebouxiaceae	Trebouxia	0.0099
ASV 29	Eukaryota	Chlorophyta	Trebouxiophyceae	Trebouxiales	Trebouxiaceae	Symbiochloris	0.0213
ASV 27	Eukaryota	Chlorophyta	Trebouxiophyceae	Trebouxiales	Trebouxiaceae	Dictyochloropsis	0.0243
ASV 21	Eukaryota	Chlorophyta	Trebouxiophyceae	Trebouxiales	Trebouxiaceae	Dictyochloropsis	0.0248
ASV 14	Eukaryota	Chlorophyta	Trebouxiophyceae	Trebouxiales	Trebouxiaceae	Trebouxia	0.0449
Bacteria							
ASV 18	Bacteria	Bacteroidota	Bacteroidia	Sphingobacteriales	Sphingobacteriaceae	Pedobacter	0.0310
ASV 85	Bacteria	Bacteroidota	Bacteroidia	Cytophagales	Hymenobacteraceae	Hymenobacter	0.0337
ASV 23	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Beijerinckiaceae	1174-901-12	0.0359
ASV 258	Bacteria	Verrucomicrobiota	Verrucomicrobiae	Chthoniobacterales	Chthoniobacteraceae	LD29	0.0412

Fungi

ASV 4	Fungi	Ascomycota						0.0153
ASV 21	Fungi	Ascomycota						0.0159
ASV 18	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Tremellaceae	Tremella		0.0206
ASV 32	Fungi	Ascomycota	Dothideomycetes	Capnodiales	Mycosphaerellaceae			0.0214
ASV 33	Fungi	Ascomycota	Dothideomycetes	Capnodiales	Mycosphaerellaceae	Mycosphaerella		0.0269
ASV 226	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymosphaeriaceae	Pseudopithomyces		0.0282
ASV 63	Fungi	Ascomycota	Sordariomycetes	Hypocreales				0.0308
ASV 146	Fungi	Ascomycota	Eurotiomycetes	Chaetothyriales	Herpotrichiellaceae			0.0338
ASV 96	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae			0.0407
ASV 28	Fungi	Ascomycota	Dothideomycetes					0.0485

Large – Small Trees**Algae**

ASV 10	Eukaryota	Chlorophyta	Trebouxiophyceae	Chlorellales	Chlorellaceae	Apatococcus		0.0000
ASV 29	Eukaryota	Chlorophyta	Trebouxiophyceae	Trebouxiales	Trebouxiaceae	Symbiochloris		0.0000
ASV 32	Eukaryota	Streptophyta	Klebsormidiophyceae	Klebsormidiales	Klebsormidiaceae	Interfilum		0.0000
ASV 12	Eukaryota	Chlorophyta	Trebouxiophyceae	Trebouxiales	Trebouxiaceae	Trebouxia		0.0000
ASV 5	Eukaryota	Chlorophyta	Trebouxiophyceae	Trebouxiales	Trebouxiaceae	Trebouxia		0.0000
ASV 7	Eukaryota	Chlorophyta	Trebouxiophyceae	Trebouxiales	Trebouxiaceae	Trebouxia		0.0000
ASV 43	Eukaryota	Chlorophyta	Trebouxiophyceae	Trebouxiales	Trebouxiaceae	Symbiochloris		0.0000
ASV 21	Eukaryota	Chlorophyta	Trebouxiophyceae	Trebouxiales	Trebouxiaceae	Dictyochloropsis		0.0000
ASV 27	Eukaryota	Chlorophyta	Trebouxiophyceae	Trebouxiales	Trebouxiaceae	Dictyochloropsis		0.0000
ASV 8	Eukaryota	Chlorophyta	Trebouxiophyceae	Chlorellales	Chlorellaceae	Apatococcus		0.0001

ASV 2	Eukaryota	Chlorophyta	Trebouxiophyceae	Chlorellales	Chlorellaceae	Apatococcus	0.0038
ASV 107	Eukaryota	Chlorophyta	Chlorophyceae	Sphaeropleales	Radiococcaceae	Gloeocystis	0.0059
ASV 42	Eukaryota	Chlorophyta	Trebouxiophyceae	Trebouxiales	Trebouxiaceae	Dictyochloropsis	0.0078
ASV 60	Eukaryota	Chlorophyta	Trebouxiophyceae	Trebouxiales	Trebouxiaceae	Dictyochloropsis	0.0093
ASV 72	Eukaryota	Chlorophyta	Trebouxiophyceae	Trebouxiales	Trebouxiaceae	Symbiochloris	0.0111
ASV 48	Eukaryota	Chlorophyta	Trebouxiophyceae	Trebouxiales	Trebouxiaceae	Trebouxia	0.0129
ASV 71	Eukaryota	Chlorophyta	Trebouxiophyceae	Trebouxiales	Trebouxiaceae	Symbiochloris	0.0260
ASV 16	Eukaryota	Chlorophyta	Trebouxiophyceae	Trebouxiales	Trebouxiaceae	Asterochloris	0.0327
ASV 1	Eukaryota	Chlorophyta	Trebouxiophyceae	Trebouxiales	Trebouxiaceae	Symbiochloris	0.0362
Bacteria							
ASV 56	Bacteria	Bacteroidota	Bacteroidia	Sphingobacteriales	Sphingobacteriaceae	Mucilagibacter	0.0000
ASV 96	Bacteria	Bacteroidota	Bacteroidia	Cytophagales	Hymenobacteraceae	Hymenobacter	0.0000
ASV 48	Bacteria	Actinobacteriota	Actinobacteria	Pseudonocardiales	Pseudonocardiaceae	Actinomycetospora	0.0003
ASV 147	Bacteria	Proteobacteria	Alphaproteobacteria	Acetobacterales	Acetobacteraceae	Acidiphilium	0.0003
ASV 209	Bacteria	Armatimonadota	Fimbriimonadia	Fimbriimonadales	Fimbriimonadaceae		0.0005
ASV 99	Bacteria	Actinobacteriota	Actinobacteria	Frankiales	Frankiaceae	Jatrophihabitans	0.0008
ASV 19	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Beijerinckiaceae	1174-901-12	0.0008
ASV 85	Bacteria	Bacteroidota	Bacteroidia	Cytophagales	Hymenobacteraceae	Hymenobacter	0.0009
ASV 226	Bacteria	Actinobacteriota	Actinobacteria	Micrococcales	Microbacteriaceae	Amnibacterium	0.0009
ASV 39	Bacteria	Proteobacteria	Alphaproteobacteria	Caulobacterales	Caulobacteraceae		0.0011
ASV 286	Bacteria	Bacteroidota	Bacteroidia	Cytophagales	Spirosomaceae	Huanghella	0.0013
ASV 101	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	Sphingomonas	0.0015

ASV 169	Bacteria	Armatimonadota	Fimbriimonadia	Fimbriimonadales	Fimbriimonadaceae		0.0017
ASV 134	Bacteria	Bacteroidota	Bacteroidia	Cytophagales	Hymenobacteraceae	Hymenobacter	0.0018
ASV 93	Bacteria	Proteobacteria	Gamma proteobacteria	Burkholderiales	Burkholderiaceae	Limnobacter	0.0019
ASV 18	Bacteria	Bacteroidota	Bacteroidia	Sphingobacteriales	Sphingobacteriaceae	Pedobacter	0.0019
ASV 308	Bacteria	Armatimonadota	Fimbriimonadia	Fimbriimonadales	Fimbriimonadaceae		0.0031
ASV 59	Bacteria	Acidobacteriota	Acidobacteriae	Acidobacteriales	Acidobacteriaceae (Subgroup 1)	Granulicella	0.0047
ASV 100	Bacteria	Acidobacteriota	Acidobacteriae	Acidobacteriales	Acidobacteriaceae (Subgroup 1)	Granulicella	0.0055
ASV 477	Bacteria	Bacteroidota	Bacteroidia	Cytophagales	Hymenobacteraceae	Hymenobacter	0.0060
ASV 34	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	Novosphingobium	0.0085
ASV 112	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	Sphingomonas	0.0093
ASV 13	Bacteria	Actinobacteriota	Actinobacteria	Pseudonocardiales	Pseudonocardiaceae	Actinomycetospora	0.0093
ASV 8	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Beijerinckiaceae	Methylocella	0.0110
ASV 88	Bacteria	Abditibacteriota	Abditibacteria	Abditibacteriales	Abditibacteriaceae	Abditibacterium	0.0114
ASV 86	Bacteria	Actinobacteriota	Actinobacteria	Frankiales	Frankiaceae	Jatrophihabitans	0.0121
ASV 65	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae		0.0157
ASV 297	Bacteria	Bacteroidota	Bacteroidia	Cytophagales	Hymenobacteraceae	Hymenobacter	0.0158
ASV 119	Bacteria	Verrucomicrobiota	Verrucomicrobiae	Chthoniobacterales	Chthoniobacteraceae	LD29	0.0168
ASV 258	Bacteria	Verrucomicrobiota	Verrucomicrobiae	Chthoniobacterales	Chthoniobacteraceae	LD29	0.0173
ASV 654	Bacteria	Bacteroidota	Bacteroidia	Cytophagales	Spirosomaceae	Fibrella	0.0183
ASV 22	Bacteria	Proteobacteria	Alphaproteobacteria	Sphingomonadales	Sphingomonadaceae	Sphingomonas	0.0224
ASV 193	Bacteria	Abditibacteriota	Abditibacteria	Abditibacteriales	Abditibacteriaceae	Abditibacterium	0.0250

ASV 822	Bacteria	Bacteroidota	Bacteroidia	Cytophagales	Hymenobacteraceae	Hymenobacter	0.0268
ASV 314	Bacteria	Proteobacteria	Gammaproteobacteria	Burkholderiales	Comamonadaceae		0.0274
ASV 79	Bacteria	Actinobacteriota	Actinobacteria	Pseudonocardiales	Pseudonocardiaceae	Actinomycetospora	0.0275
ASV 750	Bacteria	Actinobacteriota	Thermoleophilia	Solirubrobacterales	Solirubrobacteraceae	Conexibacter	0.0283
ASV 6	Bacteria	Proteobacteria	Alphaproteobacteria	Rhizobiales	Beijerinckiaceae	1174-901-12	0.0320
ASV 158	Bacteria	Bacteroidota	Bacteroidia	Cytophagales	Hymenobacteraceae	Hymenobacter	0.0343
ASV 163	Bacteria	Verrucomicrobiota	Verrucomicrobiae	Chthoniobacterales	Chthoniobacteraceae	LD29	0.0352
ASV 77	Bacteria	Actinobacteriota	Actinobacteria	Micromonosporales	Micromonosporaceae	Actinoplanes	0.0375
ASV 142	Bacteria	Actinobacteriota	Actinobacteria	Frankiales	Frankiaceae	Jatrophihabitans	0.0428
ASV 555	Bacteria	Patescibacteria	Saccharimonadia	Saccharimonadales			0.0428
ASV 262	Bacteria	Bacteroidota	Bacteroidia	Cytophagales	Hymenobacteraceae	Hymenobacter	0.0481
ASV 247	Bacteria	Verrucomicrobiota	Verrucomicrobiae	Chthoniobacterales	Chthoniobacteraceae	LD29	0.0497
Fungi							
ASV 33	Fungi	Ascomycota	Dothideomycetes	Capnodiales	Mycosphaerellaceae	Mycosphaerella	0.0000
ASV 226	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymosphaeriaceae	Pseudopithomyces	0.0000
ASV 21	Fungi	Ascomycota					0.0000
ASV 58	Fungi	Ascomycota					0.0000
ASV 1	Fungi	Ascomycota	Dothideomycetes	Capnodiales			0.0001
ASV 28	Fungi	Ascomycota	Dothideomycetes				0.0001
ASV 13	Fungi	Ascomycota	Dothideomycetes				0.0002
ASV 56	Fungi	Ascomycota	Dothideomycetes	Dothideales	Aureobasidiaceae	Aureobasidium	0.0004
ASV 162	Fungi	Ascomycota					0.0006

ASV 63	Fungi	Ascomycota	Sordariomycetes	Hypocreales				0.0006
ASV 146	Fungi	Ascomycota	Eurotiomycetes	Chaetothyriales	Herpotrichiellaceae			0.0015
ASV 11	Fungi	Ascomycota	Lecanoromycetes	Lecanorales	Lecanoraceae	Scoliciosporum		0.0015
ASV 4	Fungi	Ascomycota						0.0023
ASV 124	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria		0.0028
ASV 96	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymellaceae			0.0030
ASV 143	Fungi	Ascomycota	Eurotiomycetes	Chaetothyriales	Herpotrichiellaceae	Veronaea		0.0031
ASV 144	Fungi	Ascomycota	Eurotiomycetes	Chaetothyriales	Trichomeriaceae	Knufia		0.0042
ASV 46	Fungi	Ascomycota	Orbiliomycetes	Orbiliales	Orbiliaceae			0.0045
ASV 232	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Pleosporaceae	Alternaria		0.0047
ASV 18	Fungi	Basidiomycota	Tremellomycetes	Tremellales	Tremellaceae	Tremella		0.0048
ASV 12	Fungi	Ascomycota	Dothideomycetes					0.0056
ASV 84	Fungi	Ascomycota	Dothideomycetes	Capnodiales	Cladosporiaceae	Cladosporium		0.0079
ASV 173	Fungi	Ascomycota	Eurotiomycetes	Chaetothyriales	Herpotrichiellaceae	Rhinocladiella		0.0081
ASV 163	Fungi	Ascomycota	Lecanoromycetes	Lecanorales	Micareaceae	Micarea		0.0091
ASV 184	Fungi	Ascomycota	Lecanoromycetes	Ostropales	Coenogoniaceae	Coenogonium		0.0186
ASV 15	Fungi	Ascomycota	Lecanoromycetes	Lecanorales	Lecanoraceae	Scoliciosporum		0.0304
ASV 289	Fungi	Ascomycota	Sordariomycetes	Sordariales	Sordariales_fam_Incertae_sedis	Rhodoveronaea		0.0307
ASV 127	Fungi	Ascomycota	Dothideomycetes	Pleosporales	Didymosphaeriaceae	Montagnula		0.0334
ASV 39	Fungi	Ascomycota	Dothideomycetes	Capnodiales				0.0376
ASV 237	Fungi	Ascomycota	Dothideomycetes	Capnodiales	Mycosphaerellaceae	Ramularia		0.0392

ASV 189	Fungi	Basidiomycota	Agaricomycetes	Agaricales	Strophariaceae	Hypholoma	0.0429
ASV 8	Fungi	Ascomycota	Eurotiomycetes	Chaetothyriales			0.0442
ASV 23	Fungi	Ascomycota	Eurotiomycetes	Chaetothyriales	Herpotrichiellaceae	Capronia	0.0463
ASV 149	Fungi	Ascomycota	Lecanoromycetes	Lecanorales	Micareaceae	Micarea	0.0466
ASV 54	Fungi	Basidiomycota	Cystobasidiomycetes	Cystobasidiales	Cystobasidiaceae		0.0470
ASV 209	Fungi	Ascomycota	Lecanoromycetes	Lecanorales	Micareaceae	Micarea	0.0475

Medium – Small Trees

Algae

ASV 10	Eukaryota	Chlorophyta	Trebouxiophyceae	Chlorellales	Chlorellaceae	Apatococcus	0.0015
ASV 43	Eukaryota	Chlorophyta	Trebouxiophyceae	Trebouxiales	Trebouxiaceae	Symbiochloris	0.0270
ASV 29	Eukaryota	Chlorophyta	Trebouxiophyceae	Trebouxiales	Trebouxiaceae	Symbiochloris	0.0293

Bacteria

ASV 56	Bacteria	Bacteroidota	Bacteroidia	Sphingobacteriales	Sphingobacteriaceae	Mucilaginibacter	0.047
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