

**Table S1.** Taxa of fungi occurring in black cherry stumps in relation to sample time, stump diameter and glyphosate treatment.

Taxon	Order	Similarity of the reference sequence	Frequency in the fungal community (%)										
			May stumps				July–August stumps						
			< 5 cm diam.		> 5 cm diam.		< 5 cm diam.		> 5 cm diam.				
			Treated	Untreated	Treated	Untreated	Treated	Untreated	Treated	Untreated			
<b>Glomeromycota</b>													
<i>Glomeraceae</i> sp.	Glomerales	99%	0	0.082	0	0	0	0	0	0	0	0	0
<b>Zygomycota</b>													
<i>Absidia cylindrospora</i>	Mucorales	98%	0	0	0	0	0	0.011	0	0	0	0	0
<i>Mortierella hyalina</i>	Mortierellales	100%	0	0.37	0	0	0	0	0	0	0	0	0
Mortierellaceae	Mortierellales	97%	0	0	0.013	0	0	0.011	0.012	0	0	0	0
<i>Mucor bainieri</i>	Mucorales	99%	0	0	0.235	0	0	0	0	0	0	0	0
<i>Umbelopsis isabellina</i>	Umbelopsidales	100%	0.023	0.247	0.091	0.485	0.019	0	0	0	0	0.087	0
<b>Ascomycota</b>													
<i>Absconditella</i> sp.	Ostropales	98%	0.023	0	0.013	0.017	0.019	0.021	0	0	0	0	0
<i>Acephala applanata</i>	Helotiales	100%	0	0.123	0	0	0	0	1.023	0.056	0	0	0
<i>Acremonium fusidioides</i> + <i>Acremonium</i> spp.	Hypocreales	99–100%	0.023	0	0.339	0	0	0.064	0	0.068	0	0.068	0
<i>Adiscisco tricellulare</i>	Xylariales	97%	0.046	0	0.013	0	0.038	0.129	0	0.006	0	0.006	0
<i>Agonimia</i> sp.	Verrucariales	98%	0.069	0	0.013	0	0.114	0.441	0	0	0	0	0
<i>Alatospora acuminata</i> + <i>Alatospora</i> sp.	Leotiales	99–100%	0	0	0.013	0.017	0	0	0	0.043	0	0.043	0
<i>Arthrobotrys foliicola</i>	Orbiliiales	99%	0	0	0.091	0	0.038	0.032	0	0	0	0	0
<i>Articulospora</i> sp.	Orbiliiales	99%	0	0	0	0.017	0.398	0.527	0.062	0.124	0	0.124	0
Ascomycota		100%	3.84	12.58	35.32	16.00	4.26	2.43	22.18	2.56	0	2.56	0
<i>Barbatosphaeria arboricola</i> + <i>B. barbirostris</i> + <i>B. dryina</i> + <i>B. neglecta</i>	Incertae sedis	97–99%	0.092	0	1.134	0	0.038	0	0.062	0.647	0	0.647	0
<i>Barssia maroccana</i>	Pezizales	98%	0	0.123	0	0	0	0	0.469	0	0	0	0
<i>Beauveria pseudobassiana</i>	Hypocreales	100%	0.116	0.082	0	0.104	0.057	0.247	0.025	0.006	0	0.006	0
<i>Biatora sphaeroidiza</i>	Lecanorales	100%	0	0	0	1.369	0	0.011	0.16	0.411	0	0.411	0
Bionectriaceae	Hypocreales	100%	0.023	0	0	0.017	0	0	0	0	0	0	0
<i>Blastobotrys</i> sp.	Saccharomycetales	100%	0.046	2.015	0	0	0	0	0	0	0	0	0
<i>Cadophora finlandica</i> + <i>C. gregat</i> + <i>C. luteo-olivacea</i> + <i>C. melinii</i> + <i>Cadophora</i> sp.	Helotiales	99–100%	0.138	0	0	0.087	0.266	0.161	0.234	2.357	0	2.357	0
<i>Caliciopsis beckhausii</i>	Coryneliales	99%	0	0	0.065	0.052	0	0	0	0	0	0	0
<i>Candida fructus</i> + <i>C. mycetangii</i> + <i>C. sake</i> + <i>Candida</i> sp.	Saccharomycetales	99–100%	0.092	1.974	0	1.473	0.076	0	0.049	0.006	0	0.006	0
<i>Capronia epimyces</i> + <i>C. pilosella</i> + <i>C. pulcherrima</i> + <i>Capronia</i> sp.	Chaetothyriales	99–100%	0.763	0	0.743	0.087	0.076	0	0.296	0.137	0	0.137	0
<i>Cephaliophora longispora</i>	Pezizales	97%	0	0	0	0	0	0	0.16	0	0	0	0
<i>Cephalosporium</i> spp.	Pezizales	98%	0.046	0	0.013	0.017	0.151	0	0.148	0.006	0	0.006	0

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			< 5 cm diam.		> 5 cm diam.		< 5 cm diam.		> 5 cm diam.	
			Treated	Untreated	Treated	Untreated	Treated	Untreated	Treated	Untreated
Cephalothecaceae	Sordariales	98%	0.578	0.082	0.482	0.503	0	0.107	0.074	0.019
<i>Chaetomium</i> sp.	Sordariales	98%	0.023	0	0	0.017	0.095	0	0	0
<i>Chaetosphaeria myriocarpa</i> + <i>Ch. rivularia</i>	Chaetosphaeriales	98–99%	0.023	0	0	0	0	0.021	0.049	0.05
Chaetothyriales	Chaetothyriales	100%	2.035	0	0.678	0.589	1.003	1.172	0.863	0.1
<i>Chalara pseudoaffinis</i> + <i>Chalara</i> sp.	Microascales	99–100%	0	0.041	0	0.017	0.928	0.086	0	0
<i>Chloridium</i> sp.	Chaetosphaeriales	100%	0.023	0.123	0	0	0	0	0	0
<i>Ciborinia candolleana</i>	Helotiales	98%	0	0.041	0	0.017	0.038	0.107	0.012	0.006
<i>Ciliophora</i> sp.	Incertae sedis	100%	0.116	0.123	0.365	0	0.189	0.011	0	0
<i>Cistella</i> sp.	Helotiales	100%	0	0	0.013	0	0	0	0	0
<i>Cladobotryum paravirescens</i>	Hypocreales	100%	0.023	0	0	0	0	0	0	0
<i>Cladophialophora</i> sp. + <i>C. chaetospira</i> + <i>C. arxii</i>	Chaetothyriales	98–100%	1.087	0	0.182	0.364	0.852	0.656	0.925	0.46
<i>Claussenomyces</i> sp.	Phacidiales	99%	0	0	0.026	0.017	0	0	0.111	0
<i>Colletotrichum antirrhinicola</i> + <i>C. godetiae</i> + <i>C. tamarilloi</i>	Incertae sedis	99–100%	0.092	0	0	0	0.435	1.763	0.024	0.006
<i>Collophora</i> sp. + <i>C. paarla</i>	Incertae sedis	98–99%	0.023	0	0.078	0.104	0.076	0	0.308	0.069
<i>Colpoma quercinum</i>	Rhytismales	98%	0	0	0	0.017	0	0	0	0
<i>Coniochaeta</i> sp. + <i>C. lignicola</i> + <i>C. fodinicola</i>	Coniochaetales	98–99%	0.717	0	2.854	0.121	0.189	0.011	0.358	0.33
Coniochaetaceae	Coniochaetales	98%	0	0	0	0	0	0	0.012	0
Coniochaetales	Coniochaetales	97%	0.023	0	0.013	0	0	0.011	0.025	0.012
<i>Crocicreas epicalamia</i> + <i>Crocicreas</i> sp.	Helotiales	99–100%	0.023	0.206	0.013	0.017	0.038	5.493	0.481	0.025
<i>Cyphellophora reptans</i>	Chaetothyriales	99%	0	0	0.013	0.191	0	0	0	0
<i>Dendrophoma cytisporoides</i>	Incertae sedis	100%	0.023	0	0	0	0	1.666	0	0
Dermateaceae	Helotiales	99%	0.023	0.206	0.013	0.052	0	0.161	0	0
<i>Desertella</i> sp.	Incertae sedis	100%	0.023	0	0.065	0.156	0.057	0.247	0.012	0.006
<i>Diaporthe cotoneastri</i> + <i>D. cynaroidis</i> + <i>D. helicis</i>	Diaporthales	99–100%	0.139	0	0.013	0.035	6.039	17.274	0.173	0.087
<i>Dictyoachaeta</i> sp.	Chaetosphaeriales	99%	0	0.164	0	0.017	0.019	13.834	0	0.1
<i>Discosia pseudoartocreas</i>	Incertae sedis	99%	0.069	0	0	0.069	0	0.484	0	0
<i>Discostroma</i> sp.	Xylariales	99%	0	0	0	0.069	0	0.011	0	0
<i>Exophiala bergeri</i> + <i>E. capensis</i> + <i>E. castellanii</i> + <i>E. lecanii-corni</i> + <i>E. opportunistica</i> + <i>E. sideris</i> + <i>E. psychrophila</i> + <i>Exophiala</i> sp.	Chaetothyriales	99–100%	0.947	0	1.121	1.005	0.493	0.398	0.999	0.859
<i>Fusarium oxysporum</i> + <i>F. cyanostomum</i> + <i>Fusarium</i> sp.	Hypocreales	99–100%	0.046	0	0.013	0.104	0.057	0.032	0.024	0
<i>Fusicladium cordae</i>	Pleosporales	100%	0	0	0	0.017	0	0	0	0
<i>Geomyces auratus</i>	Helotiales	98%	0	0	0	0.035	0.019	0	0	0
<i>Gnomoniopsis paraclavulata</i>	Diaporthales	100%	0.023	0	0	0	0	0.075	0	0.006
<i>Haloguignardia irritans</i>	Lulworthiales	100%	0	0	0	0	0.909	0	0	0



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			Treated	Untreated	Treated	Untreated	Treated	Untreated	Treated	Untreated
<i>Massaria parva</i>	Pleosporales	99%	0	0	0	0	0	0	0	0.019
<i>Meliniomyces</i> sp.	Incertae sedis	99%	0	0	0.104	0	0	0	0.037	0.367
<i>Meliniomyces variabilis</i>	Incertae sedis	99%	0	0	0.013	0	0	0.011	0	0.019
<i>Menispora ciliata</i> + <i>M. manitobaensis</i>	Chaetosphaeriales	99–100%	0.023	0	0	0.156	0.038	0.064	0.012	0.006
<i>Metapochonia bulbilosa</i>	Hypocreales	99%	0	0	0	0.087	0.038	0	0.037	0.012
<i>Micarea assimilata</i> + <i>M. leprosula</i>	Lecanorales	99–100%	0.162	0	0.117	0.017	0.095	0.075	0.037	0
<i>Mollisia cinerea</i> + <i>Mollisia</i> sp.	Helotiales	99–100%	52.27	0.00	0.51	0.02	1.59	0.00	0.76	3.41
<i>Mycofalcella calcarata</i>	Incertae sedis	100%	0.023	0	0	0	0	0	0	0
<i>Mycoleptodiscus</i> sp.	Magnaporthales	100%	0	0	0.013	0.035	0.038	0.118	0.025	0.031
<i>Myrothecium</i> sp.	Hypocreales	100%	0	0	0	0	0	0.011	0	0
Myxotrichaceae	Onygenales	100%	0	0	0	0	0	0.021	0	0.006
<i>Nakazawaea ernobii</i>	Saccharomycetales	99%	0.139	0	0	0	0	0	0.321	0.037
<i>Nectria cinnabarina</i>	Hypocreales	99%	0	0	0	0	0	0.011	0	0.012
Nectriaceae	Hypocreales	99%	0.185	0	0.104	0.052	1.344	0	0.234	0.075
<i>Neobulgaria pura</i> + <i>Neobulgaria</i> sp.	Helotiales	99–100%	0.162	0	0.039	0	0	0.054	0.024	0.019
<i>Neofabraea</i> sp.	Helotiales	99%	0	0	0.013	0.087	0.019	0	0	0.006
<i>Nothojafnea cryptotricha</i>	Pezizales	99%	0	0	0	0	0	0.011	0	0
<i>Otidodendron majus</i> + <i>O. periconioides</i>	Incertae sedis	98–99%	0	0	0	0.017	0	0	0.185	0.019
Onygenaceae	Onygenales	100%	0.023	0	0	0.052	0.038	0.064	0.012	0.025
<i>Ophiostoma tsotsi</i>	Ophiostomatales	99%	0	0	0	0.069	0	0	0.012	0.012
Ophiostomataceae	Ophiostomatales	99%	0	0	0	0.087	0	0.011	1.122	0.006
<i>Orbilia aprilis</i> + <i>O. aristata</i>	Orbiliales	99–100%	0.023	0	0.482	0.156	0	0.053	0.037	0
Orbiliomycetes	Orbiliales	100%	0.023	0	0.326	0.052	0.038	0.054	0.062	0.031
<i>Otidea subterranea</i>	Pezizales	100%	0.278	0	0.078	0.069	0.057	0.097	0.222	0.112
<i>Pannaria athroophylla</i>	Peltigerales	99%	0	0	0	0.087	0	0	0	0
<i>Parmelia subdivaricata</i>	Lecanorales	99%	0.023	0	0.039	0.017	0.019	0.043	0.012	0
<i>Penicillium angulare</i> + <i>P. bialowiezense</i> + <i>P. cairnsense</i> + <i>P. citreonigrum</i> + <i>P. kongii</i> + <i>P. lanosum</i> + <i>P. lapidosum</i> + <i>P. miczynskii</i> + <i>P. raphiae</i> + <i>P. viticola</i>	Eurotiales	99–100%	0.763	5.345	0.182	1.143	0.322	0.784	0.962	1.107
<i>Petriella sordida</i>	Microascales	99%	0.046	0	0	0	0	0	0.025	0.025
<i>Pezicula sporulosa</i>	Helotiales	100%	0.116	0	0.078	0.191	0.265	0.032	0.567	0.056
<i>Phacidium grevilleae</i>	Phacidiales	100%	2.567	0	0.156	0.173	0.625	1.526	0.185	0.081
<i>Phaeoacremonium hungaricum</i> + <i>P. occidentale</i>	Togniniales	98–100%	0	0	0.013	0	0.019	0	0.271	0
<i>Phaeomollisia piceae</i>	Helotiales	100%	0.139	0	0.274	0.035	0.17	0.032	0.21	0.068
<i>Phaeomoniella</i> sp.	Phaeomoniellales	99%	0.185	0	0.3	0.017	0	0	0.16	0.05

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			Treated	Untreated	Treated	Untreated	Treated	Untreated	Treated	Untreated
<i>Phialocephala compacta</i> + <i>P. fusca</i> . + <i>P. glacialis</i> + <i>P. scopiformis</i> + <i>Phialocephala</i> sp.	Helotiales	99-100%	0.092	0.329	0.026	0.572	7.459	0.011	0.469	0.224
<i>Phomatospora dinemasporium</i>	Incertae sedis	100%	0.185	0	0	0	0.076	0.032	0.049	0
<i>Phomopsis pulla</i> (Sacc.)	Diaporthales	100%	0	0	0	0	0.246	0.075	0	0
<i>Picoa juniperi</i>	Pezizales	98%	0	0	0	0.676	0	0	0	0.006
<i>Plectania melastoma</i>	Pezizales	99%	0	0	0	0	2.934	0.032	0.012	0
<i>Pleurophoma ossicola</i>	Xylariales	99%	0.046	25.37	0.352	0.225	0.076	0.021	0.025	0.031
<i>Proliferodiscus</i> sp.	Helotiales	99%	0.185	0.411	0.261	14.751	0.341	0.828	1.48	5.636
Pseudeurotiaceae	Incertae sedis	97%	0	0	0	0.035	0	0	0	0
<i>Pseudogymnoascus verrucosus</i>	Incertae sedis	100%	0	0	0	0.451	0.057	0	0	0.006
<i>Pseudovalsaria ferruginea</i>	Boliniales	100%	0	0	0	0	0	0	0	0.821
<i>Pyrenopeziza revincta</i>	Helotiales	100%	0.093	0	0	0	0.095	0	0	0
<i>Pyrenula septicollaris</i>	Pyrenulales	100%	0	0	0	0	0	0	0	0.012
<i>Rhizoscyphus</i> sp.	Helotiales	100%	0.023	0	0.222	1.317	0.019	0	0	0
Saccharomycetales	Saccharomycetales	99%	0.093	0	0.013	0.26	0	0.011	0.419	4.871
<i>Sarea resiniae</i>	Trapeliales	99%	0.116	0	0.013	0.069	0.114	0.107	0.037	0.006
<i>Sarocladium strictum</i>	Incertae sedis	99%	0.046	0	0	0.711	0.038	0.107	2.01	0.156
<i>Scheffersomyces ergatensis</i>	Saccharomycetales	99%	0.37	0	0	0	0	0	0	0
Sordariales	Sordariales	100%	0.023	0	0.143	0.017	0	0	0	0
Sordariomycetes	Sordariales	98%	0.069	0.082	0.443	0.416	1.174	0.054	0.197	0.174
<i>Sporothrix dimorphospora</i> + <i>S. pallida</i>	Ophiostomatales	99–100%	0	0	0	0.208	0.095	0	0.062	0.025
<i>Stachybotrys</i> sp.	Hypocreales	98%	0	0	0	0.26	0	0	0.012	0
<i>Talaromyces amestolkiae</i> + <i>T. verruculosus</i> + <i>T. wortmannii</i>	Eurotiales	98–100%	0	0.164	0	0.07	0	0	0	0.012
<i>Taphrina carnea</i> Johanson + <i>T. confusa</i>	Taphrinales	99–100%	0.185	0	0	0.035	0.057	0.032	0.012	0.025
<i>Tetracladium setigerum</i>	Helotiales	99%	0	0	0	0	0	0	0.012	0
<i>Tolyposcladium</i> sp.	Hypocreales	99%	0	0	0.013	0.087	0	0.011	0.074	0.012
<i>Trichoderma asperellum</i> + <i>T. bissettii</i> + <i>T. crassum</i> + <i>T. stellatum</i> + <i>T. theobromicola</i>	Hypocreales	99–100%	0.184	0.37	0.339	0	0.019	0.043	0.012	0
<i>Tridentaria implicans</i>	Incertae sedis	99%	0	0	0.026	0.035	0	0.021	0.012	0.019
<i>Trimmatostroma cordae</i>	Helotiales	99%	0	0	0	0.017	0	0.075	0	0
<i>Truncatella restionacearum</i>	Xylariales	100%	0.023	0	0.078	0.087	0.038	0.032	0	0.012
<i>Tumularia</i> sp.	Incertae sedis	100%	0.069	0.082	0.195	2.236	0	0.441	0.025	0.025
Valsaceae	Diaporthales	100%	0.231	0.041	0.091	0.347	0.095	0	0.049	0
<i>Valsaria lopadostomoides</i>	Incertae sedis	99%	0.023	0	0	0	0	0	0.296	0.056

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			Treated	Untreated	Treated	Untreated	Treated	Untreated	Treated	Untreated
<i>Venturia hystrioides</i> + <i>Venturia</i> sp.	Venturiales	99–100%	0.023	0	0.026	0.156	0	0.011	0	0.025
Venturiaceae	Venturiales	99%	0	0	0	0.035	0.019	0.054	0.086	0
Venturiales	Venturiales		0.046	0	0.013	0.069	0	0.011	0	0
<i>Xenopolyscytalum pinea</i>	Helotiales	97%	0	0	0	0.017	0	0.011	0	0
Xylariaceae	Xylariales	100%	0.023	0.082	0	0	0	0.204	0	0
<i>Yamadazyma mexicana</i>	Saccharomycetales	99%	0.116	0	0	0.052	0.019	0	0.345	0
<i>Yarrowia lipolytica</i>	Saccharomycetales	99%	0.093	2.056	0	0	0.019	0	0	0
<b>Basidiomycota</b>										
Agaricaceae	Agaricales	100%	0.046	0.082	0.756	0.035	0.057	0.043	0.037	0.012
Agaricales		100%	2.845	0.164	0.052	0.052	2.385	2.311	1.196	0.398
Agaricomycetes		100%	0.069	0.041	0.013	0.017	0.019	0.032	0.999	0.691
Agaricostilbales		100%	0	0	0	0.017	0.114	0.064	0	0.006
<i>Amanita parcivolvata</i>	Agaricales	100%	0	0	0.013	0.017	0.095	0.054	0.049	0.025
<i>Amylocorticium molle</i>	Boletales	99%	0	0	0	0	0.587	0	0.025	0
Auriculariales		99%	0.023	0.041	0	0	0.019	1.666	0.012	0.019
Basidiomycota		99%	0.532	0.535	0.352	1.161	1.647	8.266	0.752	0.79
<i>Bensingtonia</i> sp.	Agaricostilbales	100%	0.046	0	0	0	0	0.011	0.049	0.019
<i>Buckleyzyma aurantiaca</i> + <i>B. phyllomatis</i>	Buckleyziales	98–100%	0	0	0	0	0.019	0	0	0.006
<i>Bullera melastomatis</i>	Tremellales	99–100%	0.093	0	0	0.017	0	0.086	0	0.006
<i>Bulleromyces albus</i>	Tremellales	99%	0	0	0	0.017	0	0.011	0	0.031
Cantharellales	Cantharellales	100%	0	0.082	0.013	0	0.114	0.032	0.321	0.006
Ceratobasidiaceae	Cantharellales	100%	0.023	0	0	0	0.644	0	0.025	0
<i>Ceratobasidium</i>	Cantharellales	100%	0.023	0	0	0	0.019	0	0.469	11.944
<i>Cheimonophyllum roseum</i>	Agaricales	100%	0	0	0	0	0	0	0.222	0
<i>Chionosphaera cuniculicola</i>	Agaricostilbales	99%	0.948	0	0	0.017	0	0	0.037	0
Chrysozymaceae		100%	0.023	0	0	0.017	0.322	0	0.21	0.012
<i>Clavaria neonigrita</i>	Agaricales	99%	0	0	0	0	2.12	0	0	0
<i>Clitopilus hobsonii</i>	Agaricales	99%	0	0	0	0.052	0	0	0	0
<i>Colacogloea peniophorae</i> + <i>C. philyla</i> + <i>Colacogloea</i> sp.	Heterogastridiales	99–100%	2.036	0	0.065	0.139	0.246	0.054	4.18	0.062
<i>Conocybe echinata</i>	Agaricales	100%	0	0	0	0	0.019	0	0	0
<i>Corticium confine</i>	Corticiales	100%	0	0	0	0.017	0	0	0	0
<i>Cryptococcus pseudolongus</i> + <i>C. psychrotolerans</i> + <i>Cryptococcus</i> sp.	Tremellales	99–100%	2.197	0.041	0.052	0.641	0.853	2.278	0.419	0.118
<i>Cuniculitrema polymorpha</i>	Tremellales	98%	0.023	0	0	1.837	2.367	0	12.528	2.519
<i>Curvibasidium cygneicollum</i>	Microbotryales	100%	0.162	0	0.678	1.612	0.454	0.14	0.086	0.199

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			Treated	Untreated	Treated	Untreated	Treated	Untreated	Treated	Untreated
Cystobasidiomycetes		100%	0	0	0.169	0.069	0.076	0.032	0.012	0.037
<i>Cystobasidium pinicola</i>	Cystobasidiales	100%	0.301	0	0.13	0.537	0.133	0.161	0.444	0.485
Cystofilobasidiales	Cystofilobasidiales	100%	0.046	0	0	0.173	0	0.043	0	0.025
<i>Cystofilobasidium infirmominiatum</i> + <i>C. macerans</i>	Cystofilobasidiales	99–100%	0.069	0	0.013	0.069	0	0.011	0.012	0.012
<i>Dacrymyces chrysospermus</i>	Dacrymycetales	99%	0	0	0	0.485	0	0.032	0	0
<i>Dioszegia changbaiensis</i> + <i>D. fristingensis</i>	Tremellales	98–99%	0	0	0.039	0.017	0	0	0	0
Erythrobasidiales	Erythrobasidiales	100%	0.093	0	0	0.069	0.076	0.29	0.012	0.019
<i>Erythrobasidium hasegawae</i> + <i>Erythrobasidium</i> sp.	Erythrobasidiales	99–100%	0.046	0	0.013	0.052	0.227	0.075	0.012	0.006
<i>Exobasidium arescens</i> + <i>E. kishianum</i> + <i>E. maculosum</i> + <i>Exobasidium</i> sp.	Exobasidiales	99–100%	0.069	0	0.039	0.624	0.038	0.129	0.974	0.062
<i>Fellomyces</i> sp. + <i>F. borneensis</i> + <i>F. horovitziae</i> + <i>F. mexicanus</i>	Tremellales	99–100%	0.232	0	0.039	0.26	0.152	0.538	0.11	0.043
<i>Fellozyma inositophila</i>	Incertae sedis	99%	0.093	0	0.143	1.231	0.019	0.011	0.123	0.031
<i>Fibulobasidium inconspicuum</i> + <i>F. murrhardtense</i>	Tremellales	98–99%	0.023	0	0.209	0.035	0.019	0	0	0.024
<i>Filobasidium stepposum</i> + <i>F. wieringae</i>	Filobasidiales	99–100%	0.023	0	0.013	0.087	0	0	0.049	0.019
<i>Flammulina velutipes</i>	Agaricales	100%	0	0	0	0	0	0	0	0.062
<i>Genolevuria amylyolytica</i> + <i>G. bromeliarum</i>	Tremellales	99–100%	0.046	0	0	0.017	0	0.161	0	0.012
<i>Hamamotoa lignophila</i>	Incertae sedis	99%	0.023	0	0.039	1.04	0.057	0.011	0.567	1.033
Hydnaceae	Cantharellales	100%	0	0.082	0	0	0	0.011	0	0
<i>Hygrocybe subceracea</i>	Agaricales	100%	0	0	0	0	0.133	0.021	0	0
Hygrophoraceae	Agaricales	100%	0	0.082	0	0.017	0	0	0	0
Hymenochaetales	Hymenochaetales	100%	0	0.123	0	0	0	0	0	0
<i>Hyphoderma setigerum</i>	Polyporales	99%	0	0	0	0	0	0	0	0.747
<i>Hypholoma acutum</i>	Agaricales	99%	0	0	0	0	0	0	0	0.292
<i>Inocybe</i> sp.	Agaricales	100%	0	0	0	0.884	0	0	0	0
<i>Itersonilia pannonica</i> + <i>I. perplexans</i>	Cystofilobasidiales	99–100%	0.023	0	0.026	0.156	0.076	0.215	0	0.037
<i>Kockovaella machilophila</i>	Tremellales	99%	0.046	0	0.117	0.676	0	0.054	0.136	0.056
<i>Kondoa aerea</i>	Agaricostilbales	99%	0	0	0	0.017	0	0.011	0	0.037
<i>Krasilnikoozyma huempii</i>	Cystofilobasidiales	99%	0	0	0	0	0	0	0.012	0.05
<i>Kriegeria eriophori</i>	Kriegeriales	99%	0	0	0	0.156	0	0	0	0
<i>Kurtzmanomyces</i> sp. + <i>K. insolitus</i> + <i>K. tardus</i>	Agaricostilbales	99–100%	0.069	0	0.013	0.035	0.246	0.139	0.074	0
<i>Kvoniella pini</i> + <i>K. shivajii</i>	Tremellales	98–99%	0.162	0	0.039	0.139	0.114	0.29	0.049	0.012
<i>Laetiporus sulphureus</i> + <i>Laetiporus</i> sp.	Polyporales	99–100%	0.023	0	0	3.727	0	0	0.049	0.006
<i>Leucogyrophana sororia</i>	Boletales	99%	0	0	0	0	0	0	0.086	0
Leucosporidiales	Leucosporidiales	99%	0	0	0	0.017	0	0	0	0
<i>Leucosporidiella creatinivora</i>	Leucosporidiales	99%	0	0	0.013	0.139	0	0	0.049	0

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<i>Leucosporidium</i> sp. + <i>L. drummii</i> + <i>L. fasciculatum</i>	Leucosporidiales	99–100%	0	0	0.404	0.417	0.019	0.011	0.012	0.143
<i>Luellia recondita</i>	Trechisporales	100%	0	0	0	0.121	0.038	0.129	0	0
<i>Malassezia globosa</i> + <i>M. restricta</i>	Incertae sedis	98–100%	0	0.37	0.013	0	0	0	0.012	0
<i>Mastigobasidium intermedium</i>	Leucosporidiales	100%	0	0	0	0.017	0	0	0	0
<i>Microbotryomycetes</i> sp.		100%	0.208	0	0.3	0.485	0.606	0.183	0.875	18.681
<i>Microsporomyces pini</i>	Incertae sedis	100%	0.046	0	0.104	0.104	0	0.021	0.012	0.062
<i>Microstroma album</i>	Microstromatales	100%	0	0.329	0.013	0.087	0.019	0.021	0.074	0.031
<i>Mrakia frigida</i>	Cystofilobasidiales	100%	0	0	0	0.017	0.076	0	0.037	0
<i>Mycena cinerella</i> + <i>M. galericulata</i> + <i>M. megaspora</i> + <i>M. sanguinolenta</i> + <i>M. zephirus</i>	Agaricales	99–100%	0.069	6.086	0.013	0.155	0	13.866	0	0.112
<i>Naganishia cerealis</i>	Filobasidiales	98%	0.046	0	0	0	0	0	0.062	0
<i>Oberwinklerozyma yarrowii</i>	Incertae sedis	99%	0	0	0	0.017	0	0.011	0.025	0.006
<i>Papiliotrema pernicioso</i>	Tremellales	99%	0	0	0	0.121	0	0.398	0.025	0.373
<i>Peniophora erikssonii</i> + <i>P. pini</i>	Russulales	99–100%	0	0	0.013	0.017	0.019	0	0.074	0
<i>Phaeotremella skimmeri</i>	Tremellales	99%	0	0	0	0.017	0.019	0	0.049	0.056
<i>Phanerochaete velutina</i>	Polyporales	99%	0.254	0	0	0	0.019	0	0	0
Polyporales	Polyporales	100%	1.018	0	0.052	0	0.019	0.021	0	0.019
<i>Postia rennyi</i>	Polyporales	100%	0	0	0	0	0	0	0	1.344
<i>Pseudomicrostroma phylloplanum</i>	Microstromatales	99%	0	0	0	0	0	0.043	0.012	0.106
<i>Pseudotremella moriformis</i>	Tremellales	99%	0	0	0	0	0	0.064	0	0
<i>Resinicium bicolor</i>	Hymenochaetales	100%	0.162	0	0	0	0.019	0	0	1.238
<i>Rhodocybe</i> sp.	Agaricales	100%	0.093	0	0	0	0.038	0.021	0.012	0
<i>Rhodotorula glutinis</i> + <i>R. nothofagi</i> + <i>Rhodotorula</i> sp.	Sporidiobolales	99–100%	0.346	0	0.234	0.329	0.303	0.042	0.641	0.149
Russulaceae	Russulales	100%	0	0	0.013	0	0	0	0	0
Russulales	Russulales	100%	0	0.041	0	0.017	0	0.011	0.271	0.044
<i>Schizophyllum</i> sp.	Agaricales	100%	0	0	0.235	0.017	3.256	0	0.321	0
Sebacinales	Sebacinales	100%	0.254	0	0.56	0	10.356	0.215	0.049	0
<i>Septobasidium broussonetiae</i> + <i>S. pallidum</i>	Septobasidiales	99–100%	0.116	0	0	0.138	0.152	0.075	0.259	0.018
<i>Sistotrema brinkmannii</i>	Cantharellales	100%	0.046	0	0.013	0	0	0.043	11.332	5.064
<i>Slooffia pilatii</i> + <i>S. tsugae</i>	Incertae sedis	99–100%	0.069	0	0.026	0.035	0	0	0	0.044
Sporidiobolales	Sporidiobolales	99%	0.162	0	0.091	0.156	0.625	0.236	0.358	0.012
<i>Sporobolomyces</i> sp. + <i>S. symmetricus</i>	Sporidiobolales	99–100%	0.023	0	0	0	0.246	0	0.086	0
<i>Stereum hirsutum</i> + <i>S. rugosum</i>	Russulales	99–100%	0.532	0	0	0.034	0	0	0.123	0.087
<i>Symmetrospora foliicola</i> + <i>S. gracilis</i> + <i>Symmetrospora</i> sp.	Incertae sedis	99–100%	0.046	0	0	0	0.284	0.14	0.061	0.012



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			Treated	Untreated	Treated	Untreated	Treated	Untreated	Treated	Untreated
<i>Tausonia pullulans</i>	Cystofilobasidiales	99%	0	0	0	0.624	0	0.021	0.025	0
Thelephorales	Thelephorales	100%	0	0	0.026	0.035	0	0	0.037	0
<i>Tremella</i> sp. + <i>T. globispora</i> + <i>T. indecorata</i>	Tremellales	98–99%	0.254	0	0	0.416	0.341	0.032	0.062	0.012
Tremellales	Tremellales	99%	0.116	0	0.078	0.659	0.133	0.623	0.308	0.249
<i>Tremellomyces</i> sp.	Tremellales	99%	0.278	0	0.013	1.179	0.114	0.473	0.308	0.336
<i>Trichosporon otae</i> + <i>Trichosporon</i> sp.	Tremellales	99–100%	0.138	3.248	0	0	0.019	0.021	0.024	0.074
<i>Tulasnella</i> sp.	Cantharellales	99%	0.023	0.329	0	0	0	0	0	0
<i>Vishniacozyma carnescens</i> + <i>V. globispora</i> + <i>V. victoriae</i> .	Tremellales	99%	0.023	0.082	0	0.208	0.019	0.247	0.037	0.049
<i>Vonarxula javanica</i>	Incertae sedis	99%	0	0	0.052	0.087	0.019	0	0.049	0
<i>Xylodon raduloides</i>	Hymenochaetales	97%	0	0	0	0	0	0	0.086	0
<i>Yunzhangia auriculariae</i>	Incertae sedis	100%	0	0	0	0.017	0	0	0	0.019
<b>Other taxa</b>			3.96	0.58	13.38	2.53	4.77	2.57	3.61	2.65
<b>Non-cultured fungi</b>			3.65	12.75	21.0	5.81	21.75	3.16	4.86	2.45
<b>Organisms without reference sequences in NCBI</b>			3.01	19.2	5.49	12.98	4.07	1.65	2.96	1.24
Margalef's diversity index — $D_{Mg}$			33.92	15.26	26.94	34.98	31.05	31.29	35.32	31.49
Shannon's diversity index — $H'$			2.59	2.47	2.55	3.55	3.39	3.34	3.38	3.31
Simpson's diversity index — $D$			0.45	0.51	0.46	0.62	0.60	0.59	0.58	0.57
Shannon's evenness index — $E$			0.28	0.14	0.18	0.07	0.07	0.07	0.08	0.07
Berger–Parker's dominance index — $d$			0.52	0.25	0.35	0.16	0.21	0.17	0.22	0.18

Percentage of frequency

