

Table S2. Fungi isolated from the previous year's leaf petioles of *Fraxinus excelsior* (Subsample I) and fungi detected *in situ* from fruit bodies on the previous year's leaf petioles of *F. excelsior* (Subsample II and III).

Taxonomic rank ¹	Number of Taxa in Subsamples			
	I	II, III	I, II, III	Sum
Ascomycota	80	21	20	121
Pezizomycotina	80	21	20	121
Dothideomycetes	32	6	7	45
Dothideomycetidae	3			3
Capnodiales	2			2
Cladosporiaceae	2			2
Cladosporium	2			2
<i>Cladosporium</i> sp. 1	1			1
<i>Cladosporium</i> sp. 2	1			1
Dothideales	1			1
Saccotheciaceae	1			1
Aureobasidium	1			1
<i>Aureobasidium pullulans</i>	1			1
Incertae sedis	1	1	1	3
Botryosphaeriales		1		1
Botryosphaeriaceae		1		1
Diplodia		1		1
<i>Diplodia fraxini</i>		1		1
Incertae sedis	1		1	2
Incertae sedis	1		1	2
Leptospora	1		1	2
<i>Leptospora rubella</i>			1	1
<i>Leptospora</i> sp.	1			1
Pleosporomycetidae	28	5	6	39
Incertae sedis	1	1		2
Incertae sedis	1	1		2
Pyrenochaeta	1	1		2
<i>Pyrenochaeta</i> sp.	1			1
<i>Pyrenochaeta</i> sp.		1		1
Pleosporales	27	4	5	36
Undetermined		1		1
Pleosporales		1		1
<i>Pleosporales</i> sp.		1		1
Amniculicolaceae		1		1
Amniculicola		1		1
<i>Amniculicola</i> sp.		1		1
Coniothyriaceae	1			1
Coniothyrium	1			1
<i>Coniothyrium cf. dispersellum</i>	1			1
Cucurbitariaceae	2			2
Paracucurbitaria	1			1
<i>Paracucurbitaria corni</i>	1			1
Pyrenochaetopsis	1			1
<i>Pyrenochaetopsis leptospora</i>	1			1
Didymellaceae	7		1	8

Taxonomic rank ¹	Number of Taxa in Subsamples			
	I	II, III	I, II, III	Sum
Boeremia	1		1	2
<i>Boeremia exigua</i>			1	1
<i>Boeremia</i> sp.	1			1
Epicoccum	1			1
<i>Epicoccum nigrum</i>	1			1
Phoma	5			5
<i>Phoma</i> sp. 1	1			1
<i>Phoma</i> sp. 2	1			1
<i>Phoma</i> sp. 3	1			1
<i>Phoma</i> sp. 4	1			1
<i>Phoma</i> sp. 5	1			1
Didymosphaeriaceae	2			2
Paraphaeosphaeria	2			2
<i>Paraphaeosphaeria michotii</i>	1			1
<i>Paraphaeosphaeria neglecta</i>	1			1
Incertae sedis	3	1	1	5
Periconia	2			2
<i>Periconia</i> sp. 1	1			1
<i>Periconia</i> sp. 2	1			1
Plenodomus	1	1		2
<i>Plenodomus</i> sp. 1	1			1
<i>Plenodomus</i> sp. 2		1		1
Pseudocoleophoma			1	1
<i>Pseudocoleophoma polygonicola</i>			1	1
Leptosphaeriaceae	4	1	1	6
Leptosphaeria	4	1	1	6
<i>Leptosphaeria conoidea</i>	1			1
<i>Leptosphaeria rubefaciens</i>	1			1
<i>Leptosphaeria sclerotioides</i>		1		1
<i>Leptosphaeria</i> sp. 1	1			1
<i>Leptosphaeria</i> sp. 2			1	1
<i>Leptosphaeria urticae</i>	1			1
Lophiostomataceae			1	1
Lophiostoma			1	1
<i>Lophiostoma corticola</i>			1	1
Melanommataceae	1			1
Herpotrichia	1			1
<i>Herpotrichia</i> sp.	1			1
Microsphaeropsidaceae	1			1
Microsphaeropsis	1			1
<i>Microsphaeropsis</i> sp.	1			1
Phaeosphaeriaceae	1		1	2
Paraophiobolus			1	1
<i>Paraophiobolus arundinis</i>			1	1
Pseudoophiobolus	1			1
<i>Pseudoophiobolus italicus</i>	1			1
Pleosporaceae	5			5
Alternaria	4			4
<i>Alternaria</i> sp. 1	1			1

Taxonomic rank ¹	Number of Taxa in Subsamples			
	I	II, III	I, II, III	Sum
<i>Alternaria</i> sp. 2	1			1
<i>Alternaria</i> sp. 3	1			1
<i>Alternaria</i> sp. 4	1			1
Pleospora	1			1
<i>Pleospora</i> sp.	1			1
Venturiales			1	1
Venturiaceae			1	1
Venturia			1	1
<i>Venturia fraxini</i>			1	1
Eurotiomycetes	2			2
Eurotiomycetidae	2			2
Eurotiales	1			1
Aspergillaceae	1			1
Eupenicillium	1			1
<i>Eupenicillium</i> sp.	1			1
Onygenales	1			1
Onygenaceae	1			1
Malbranchea	1			1
<i>Malbranchea</i> sp.	1			1
Incertae sedis	3			3
Incertae sedis	3			3
Incertae sedis	3			3
Incertae sedis	3			3
Fusariella	1			1
<i>Fusariella</i> sp.	1			1
Gyrothrix	1			1
<i>Gyrothrix</i> sp.	1			1
Vargamyces	1			1
<i>Vargamyces aquaticus</i>	1			1
Leotiomycetes	11	8	11	30
Leotiomycetidae	11	8	11	30
Chaetomellales	1			1
Chaetomellaceae	1			1
Discohainesia	1			1
<i>Discohainesia oenotherae</i>	1			1
Helotiales	6	8	9	23
Undetermined		2	1	3
Helotiales		2	1	3
<i>Helotiales</i> sp. 1			1	1
<i>Helotiales</i> sp. 2		1		1
<i>Helotiales</i> sp. 3		1		1
Dermateaceae	2			2
Neofabraea	1			1
<i>Neofabraea kienholzii</i>	1			1
Phlyctema	1			1
<i>Phlyctema vagabunda</i>	1			1
Discinellaceae	1			1
Lemonniera	1			1
<i>Lemonniera</i> sp.	1			1

Taxonomic rank ¹	Number of Taxa in Subsamples			
	I	II, III	I, II, III	Sum
Helotiaceae		3	7	10
Cyathicula		3	3	6
<i>Cyathicula coronata</i>			1	1
<i>Cyathicula fraxinophila</i>			1	1
<i>Cyathicula</i> sp. 1		1		1
<i>Cyathicula</i> sp. 2			1	1
<i>Cyathicula</i> sp. 3		1		1
<i>Cyathicula</i> sp. 4		1		1
Hymenoscyphus			4	4
<i>Hymenoscyphus caudatus</i>			1	1
<i>Hymenoscyphus fraxineus</i>			1	1
<i>Hymenoscyphus scutula</i>			1	1
<i>Hymenoscyphus</i> sp.			1	1
Mollisiaceae	1		1	2
Pyrenopeziza	1		1	2
<i>Pyrenopeziza petiolaris</i>			1	1
<i>Pyrenopeziza</i> sp.	1			1
Pezizellaceae		1		1
Calycina		1		1
<i>Calycina</i> sp.		1		1
Ploettnerulaceae	1			1
Rhexocercosporidium	1			1
<i>Rhexocercosporidium</i> sp.	1			1
Rutstroemiaceae	1			1
Lanzia	1			1
<i>Lanzia</i> sp.	1			1
Tricladiaceae		2		2
Trichopeziza		2		2
<i>Trichopeziza</i> sp. 1		1		1
<i>Trichopeziza</i> sp. 2		1		1
Phacidiales			1	1
Phacidiaceae			1	1
Phacidium			1	1
<i>Phacidium lacerum</i>			1	1
Rhytismatales	4		1	5
Calloriaceae	4			4
Dactylaria	1			1
<i>Dactylaria</i> sp.	1			1
Mycoarthris	2			2
<i>Mycoarthris</i> sp. 1	1			1
<i>Mycoarthris</i> sp. 2	1			1
Tetracladium	1			1
<i>Tetracladium</i> sp.	1			1
Rhytismataceae			1	1
Hypoderma			1	1
<i>Hypoderma rubi</i>			1	1
Pezizomycetes	6			6
Undetermined	1			1
Undetermined	1			1

Taxonomic rank ¹	Number of Taxa in Subsamples			
	I	II, III	I, II, III	Sum
Undetermined	1			1
Pezizomycetes	1			1
<i>Pezizomycetes</i> sp.	1			1
Pezizomycetidae	5			5
Pezizales	5			5
Chorioactidaceae	1			1
Desmazierella	1			1
<i>Desmazierella acicola</i>	1			1
Pezizaceae	3			3
Chromelosporium	1			1
<i>Chromelosporium</i> sp.	1			1
Peziza	2			2
<i>Peziza ninguis</i>	1			1
<i>Peziza varia</i>	1			1
Sarcosomataceae	1			1
Pseudoplectania	1			1
<i>Pseudoplectania nigrella</i>	1			1
Sordariomycetes	26	7	2	35
Diaporthomycetidae	8	2		10
Coniochaetales	4			4
Coniochaetaceae	4			4
Coniochaeta	4			4
<i>Coniochaeta angustispora</i>	1			1
<i>Coniochaeta</i> sp. 1	1			1
<i>Coniochaeta</i> sp. 2	1			1
<i>Coniochaeta</i> sp. 3	1			1
Diaporthales	3	2		5
Diaporthaceae	1	1		2
Diaporthe	1	1		2
<i>Diaporthe eres</i>	1			1
<i>Diaporthe</i> sp.		1		1
Gnomoniaceae		1		1
Apiognomonia		1		1
<i>Apiognomonia hystrix</i>		1		1
Valsaceae	2			2
Cytospora	2			2
<i>Cytospora pruinosa</i>	1			1
<i>Cytospora</i> sp.	1			1
Ophiostomatales	1			1
Ophiostomataceae	1			1
Graphilbum	1			1
<i>Graphilbum</i> sp.	1			1
Hypocreomycetidae	8	1	1	10
Glomerellales	3			3
Glomerellaceae	1			1
Colletotrichum	1			1
<i>Colletotrichum acutatum</i>	1			1
Plectosphaerellaceae	2			2
Plectosphaerella	1			1

Taxonomic rank ¹	Number of Taxa in Subsamples			
	I	II, III	I, II, III	Sum
<i>Plectosphaerella cucumerina</i>	1			1
Verticillium	1			1
<i>Verticillium dahliae</i>	1			1
Hypocreales	5	1	1	7
Bionectriaceae	1	1		2
Clonostachys	1			1
<i>Clonostachys rosea</i>	1			1
Lasionectria		1		1
<i>Lasionectria</i> sp.		1		1
Hypocreaceae	1			1
Trichoderma	1			1
<i>Trichoderma viride</i>	1			1
Nectriaceae	3		1	4
Fusarium	2			2
<i>Fusarium lateritium</i>	1			1
<i>Fusarium</i> sp.	1			1
Neonectria	1		1	2
<i>Neonectria</i> sp. 1	1			1
<i>Neonectria</i> sp. 2			1	1
Sordariomycetidae	2			2
Sordariales	2			2
Undetermined	1			1
Lasiosphaeriaceae	1			1
<i>Lasiosphaeriaceae</i> sp.	1			1
Chaetomiaceae	1			1
Chaetomium	1			1
<i>Chaetomium globosum</i>	1			1
Xylariomycetidae	8	4	1	13
Amphisphaeriales	1			1
Bartaliniaceae	1			1
Truncatella	1			1
<i>Truncatella</i> sp.	1			1
Xylariales	7	4	1	12
Lopadostomataceae		1		1
Anthostoma		1		1
<i>Anthostoma turgidum</i>		1		1
Xylariaceae	7	3	1	11
Nemania	3			3
<i>Nemania diffusa</i>	1			1
<i>Nemania serpens</i>	1			1
<i>Nemania</i> sp.	1			1
Rosellinia	3			3
<i>Rosellinia abscondita</i>	1			1
<i>Rosellinia corticium</i>	1			1
<i>Rosellinia nectrioides</i>	1			1
Xylaria	1	3	1	5
<i>Xylaria polymorpha</i>	1			1
<i>Xylaria</i> sp. 1			1	1
<i>Xylaria</i> sp. 2		1		1

Taxonomic rank ¹	Number of Taxa in Subsamples			
	I	II, III	I, II, III	Sum
<i>Xylaria</i> sp. 3		1		1
<i>Xylaria</i> sp. 4		1		1
Basidiomycota	13	2	2	17
Agaricomycotina	11	2	2	15
Agaricomycetes	11	2	2	15
Undetermined	1			1
Undetermined	1			1
Undetermined	1			1
Agaricomycetes	1			1
<i>Agaricomycetes</i> sp.	1			1
Agaricomycetidae	7	2	2	11
Agaricales	6	2	2	10
Marasmiaceae		1		1
Marasmius		1		1
<i>Marasmius epiphyllus</i>		1		1
Mycenaceae	2			2
Mycena	2			2
<i>Mycena citrinomarginata</i>	1			1
<i>Mycena</i> sp.	1			1
Psathyrellaceae	3			3
Coprinellus	2			2
<i>Coprinellus disseminatus</i>	1			1
<i>Coprinellus micaceus</i>	1			1
Psathyrella	1			1
<i>Psathyrella piluliformis</i>	1			1
Strophariaceae	1			1
Hypholoma	1			1
<i>Hypholoma fasciculare</i>	1			1
Typhulaceae		1	2	3
Typhula		1	2	3
<i>Typhula erythropus</i>		1		1
<i>Typhula</i> sp. 1			1	1
<i>Typhula</i> sp. 2			1	1
Atheliales	1			1
Atheliaceae	1			1
Athelia	1			1
<i>Athelia</i> sp.	1			1
Incertae sedis	3			3
Cantharellales	1			1
Hydnaceae	1			1
Sistotrema	1			1
<i>Sistotrema</i> sp.	1			1
Polyporales	1			1
Polyporaceae	1			1
Trametes	1			1
<i>Trametes versicolor</i>	1			1
Russulales	1			1
Peniophoraceae	1			1
Peniophora	1			1

Taxonomic rank ¹	Number of Taxa in Subsamples			
	I	II, III	I, II, III	Sum
<i>Peniophora incarnata</i>	1			1
Pucciniomycotina	1			1
Microbotryomycetes	1			1
Incertae sedis	1			1
Incertae sedis	1			1
Chrysozymaceae	1			1
Fellozyma	1			1
<i>Fellozyma</i> sp.	1			1
Ustilaginomycotina	1			1
Exobasidiomycetes	1			1
Exobasidiomycetidae	1			1
Entylomatales	1			1
Entylomataceae	1			1
Tilletiopsis	1			1
<i>Tilletiopsis washingtonensis</i>	1			1
Mucoromycota	2			2
Mortierellomycotina	1			1
Mortierellomycetes	1			1
Incertae sedis	1			1
Mortierellales	1			1
Mortierellaceae	1			1
Mortierella	1			1
<i>Mortierella</i> sp.	1			1
Mucoromycotina	1			1
Umbelopsidomycetes	1			1
Incertae sedis	1			1
Umbelopsidales	1			1
Umbelopsidaceae	1			1
Umbelopsis	1			1
<i>Umbelopsis</i> sp.	1			1
¹ Phylum				
Subphylum				
Class				
Subclass				
Order				
Family				
<i>Species.</i>				