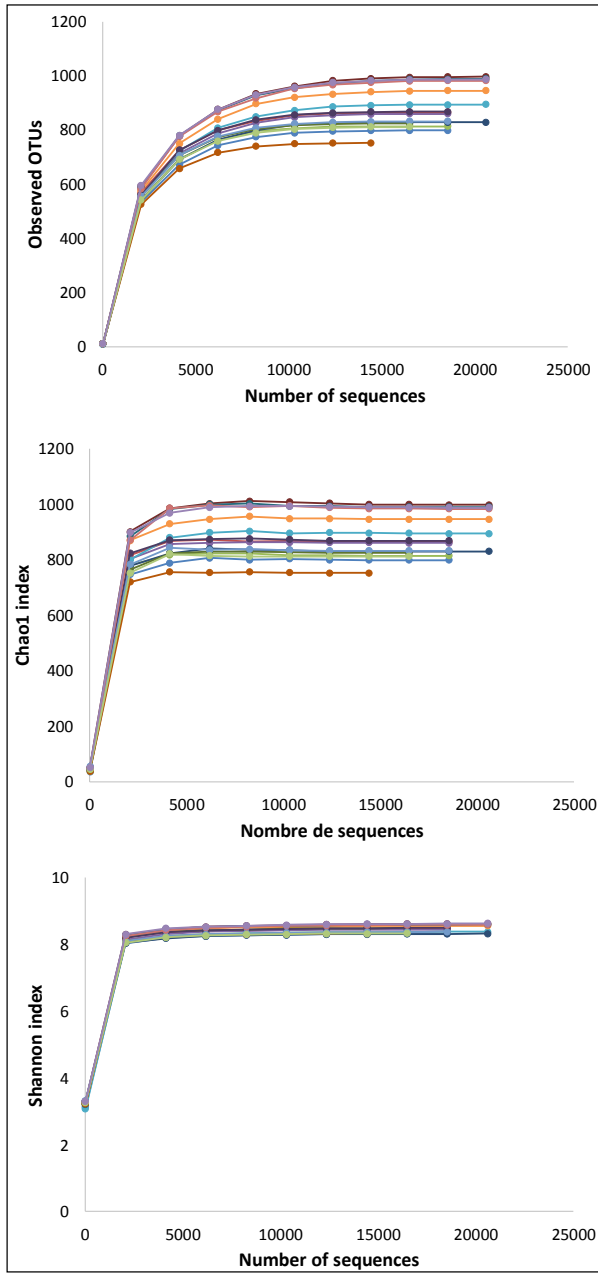
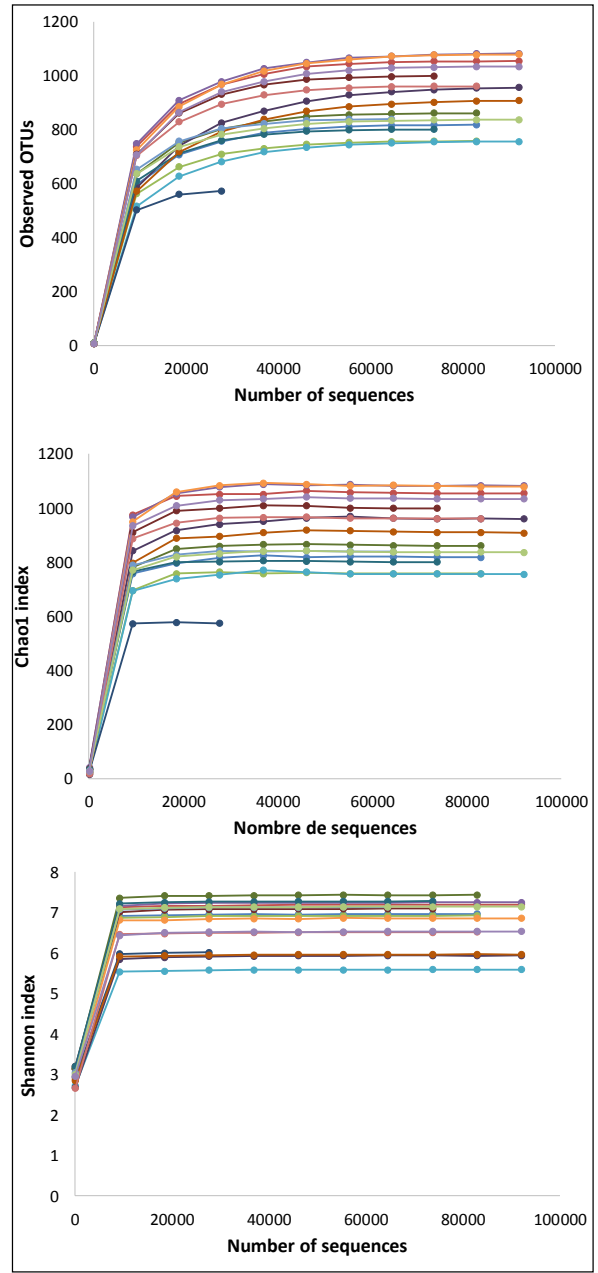


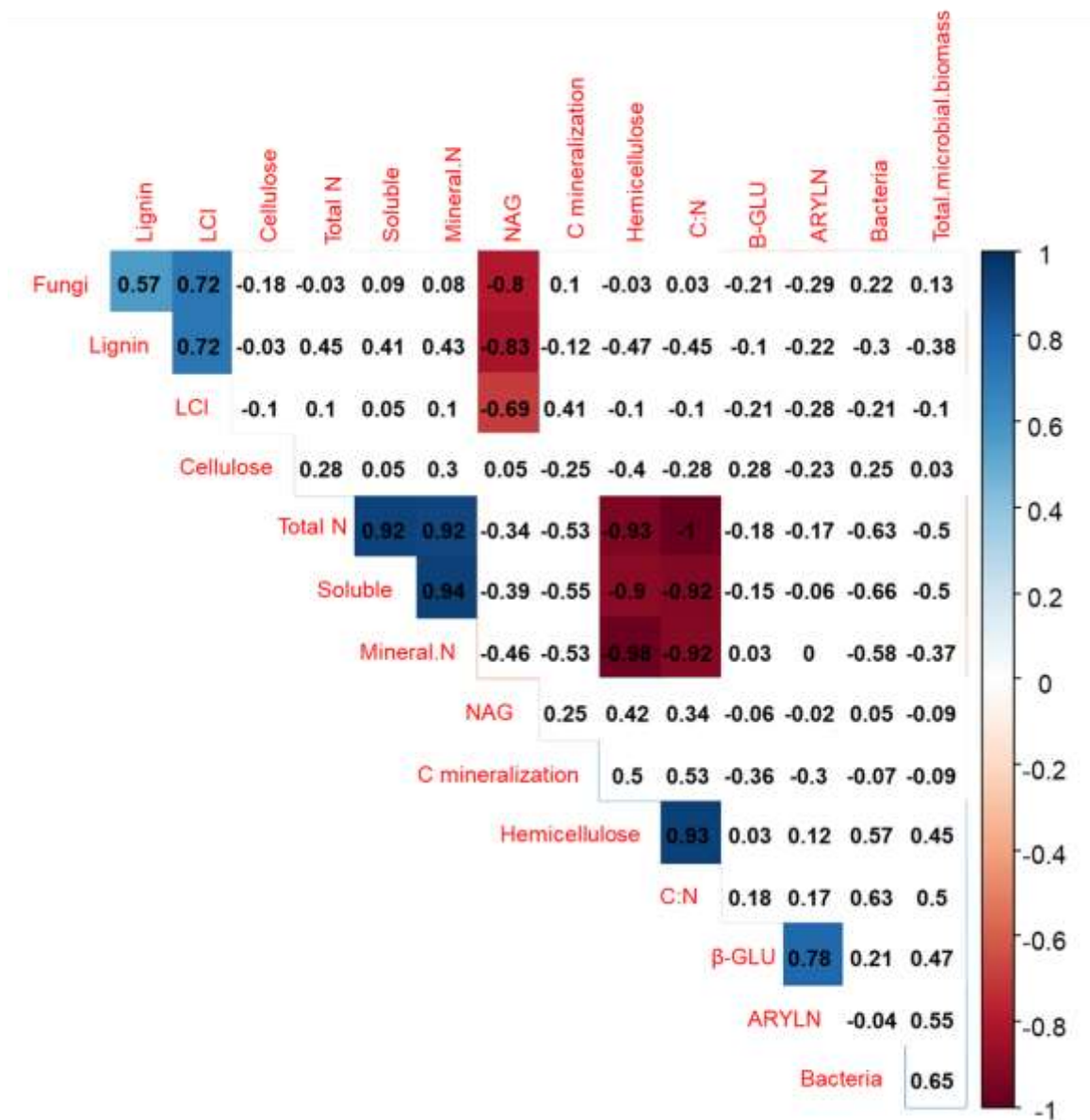
(a)



(b)



Appendix A. Rarefaction curve representing the number of sequences depending on the number of 16S rRNA genes (a) and ITS (b) sequences amplified from the soil's samples.



Appendix B: Pearson's correlation coefficients between the biological parameters and the initial biochemical qualities of the crop residues

Appendix C: Pearson's correlation coefficient between bacterial diversity and the initial biochemical qualities of the crop residues. Pearson's correlation significance between fungal diversity and the initial biochemical qualities of the crop residues. *Significance between the parameter are indicated by * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$, ns indicates no significant correlation ($p > 0.05$).*

	Soluble	Hemicellulose	Cellulose	Lignin	TN	C:N	LCI	Chloroflexales	Thermoanaerobacterales	Halanaerobiales	Armatimonadetes	WPS.2	Chlorobi	Actinomycetales	Nocardia	Sporichthya	Harbinensis	Thermacetogenium	Pedomicrobium	Cellvibrio
Soluble		-0.96	-0.02	-0.03	0.96	-0.89	0.4	0.53	0.03	-0.64	0.68	0.55	-0.19	-0.90	-0.20	-0.85	-0.2	-0.2	-0.2	-0.2
Hemicellulose	-0.96		-0.11	-0.21	-0.98	0.97	-0.6	-0.64	-0.11	0.50	-0.76	-0.73	0.29	0.85	0.01	0.83	0	0	0	0
Cellulose	-0.02	-0.11		-0.09	0.07	-0.03	-0.09	0.11	-0.02	0.27	0.34	0.25	-0.57	0.00	0.17	-0.28	0.16	0.16	0.16	0.16
Lignin	-0.03	-0.21	-0.09		0.14	-0.39	0.91	0.09	0.71	-0.59	0.13	0.83	-0.24	-0.43	0.00	-0.35	0.72	0.72	0.72	0.72
TN	0.96	-0.98	0.07	0.14		-0.96	0.54	0.52	0.11	-0.71	0.62	0.62	-0.28	-0.87	-0.28	-0.80	0.04	0.04	0.04	0.04
C:N	-0.89	0.97	-0.03	-0.39	-0.96		-0.74	-0.52	-0.11	0.71	-0.62	-0.62	0.28	0.87	0.28	0.80	-0.2	-0.2	-0.2	-0.2
LCI	0.4	-0.6	-0.09	0.91	0.54	-0.74		-0.28	0.99	-0.28	-0.42	0.62	-0.37	0.10	-0.32	0.21	0.57	0.57	0.57	0.57
<i>Chloroflexales</i>	0.53	-0.64	0.11	0.09	0.52	-0.52	-0.28		-0.28	-0.28	0.73	0.43	0.36	-0.73	0.30	-0.50	-0.28	-0.28	-0.28	-0.28
<i>Thermoanaerobacterales</i>	0.03	-0.11	-0.02	0.71	0.11	-0.11	0.99	-0.28		-0.28	-0.44	0.64	-0.39	0.11	-0.36	0.23	1.00	1.00	1.00	1.00
<i>Halanaerobiales</i>	-0.64	0.50	0.27	-0.59	-0.71	0.71	-0.28	-0.28	-0.28		-0.13	-0.50	-0.14	0.73	0.47	0.39	-0.28	-0.28	-0.28	-0.28
<i>Armatimonadetes</i>	0.68	-0.76	0.34	0.13	0.62	-0.62	-0.42	0.73	-0.44	-0.13		0.33	-0.03	-0.74	0.49	-0.89	-0.44	-0.44	-0.44	-0.44
<i>WPS.2</i>	0.55	-0.73	0.25	0.83	0.62	-0.62	0.62	0.43	0.64	-0.50	0.33		-0.20	-0.57	0.04	-0.40	0.64	0.64	0.64	0.64
<i>Chlorobi</i>	-0.19	0.29	-0.57	-0.24	-0.28	0.28	-0.37	0.36	-0.39	-0.14	-0.03	-0.20		-0.13	0.28	0.29	-0.39	-0.39	-0.39	-0.39
<i>Actinomycetales</i>	-0.90	0.85	0.00	-0.43	-0.87	0.87	0.10	-0.73	0.11	0.73	-0.74	-0.57	-0.13	0.11	0.01	0.82	0.11	0.11	0.11	0.11
<i>Nocardia</i>	-0.20	0.01	0.17	0.00	-0.28	0.28	-0.32	0.30	-0.36	0.47	0.49	0.04	0.28	0.01		-0.16	-0.36	-0.36	-0.36	-0.36
<i>Sporichthya</i>	-0.85	0.83	-0.28	-0.35	-0.80	0.80	0.21	-0.50	0.23	0.39	-0.89	-0.40	0.29	0.82	-0.16		0.23	0.23	0.23	0.23
<i>Harbinensis</i>	-0.2	0	0.16	0.72	0.04	-0.2	0.57	-0.28	1.00	-0.28	-0.44	0.64	-0.39	0.11	-0.36	0.23	1	1	1	1
<i>Thermacetogenium</i>	-0.2	0	0.16	0.72	0.04	-0.2	0.57	-0.28	1.00	-0.28	-0.44	0.64	-0.39	0.11	-0.36	0.23	1	1	1	1
<i>Pedomicrobium</i>	-0.2	0	0.16	0.72	0.04	-0.2	0.57	-0.28	1.00	-0.28	-0.44	0.64	-0.39	0.11	-0.36	0.23	1	1	1	1
<i>Cellvibrio</i>	-0.2	0	0.16	0.72	0.04	-0.2	0.57	-0.28	1.00	-0.28	-0.44	0.64	-0.39	0.11	-0.36	0.23	1	1	1	1
<i>Methylothermus</i>	-0.2	0.09	-0.35	0.64	-0.2	0.01	0.5	-0.28	0.22	-0.28	-0.03	0.18	0.18	-0.11	0.30	-0.11	0	0	0	0
<i>Halangium</i>	-0.2	0.09	-0.35	0.64	-0.2	0.01	0.5	-0.28	0.22	-0.28	-0.03	0.18	0.18	-0.11	0.30	-0.11	0	0	0	0
<i>Flavobacterium</i>	-0.2	0	0.16	0.72	0.04	-0.2	0.57	-0.28	1.00	-0.28	-0.44	0.64	-0.39	0.11	-0.36	0.23	1	1	1	1
<i>Hyphomicrobium</i>	-0.2	0	0.16	0.72	0.04	-0.2	0.57	-0.28	1.00	-0.28	-0.44	0.64	-0.39	0.11	-0.36	0.23	1	1	1	1
<i>Flavisolibacter</i>	-0.48	0.67	-0.46	-0.53	-0.54	0.63	-0.69	-0.28	-0.28	0.22	-0.64	-0.73	0.49	0.50	-0.36	0.73	-0.25	-0.25	-0.25	-0.25
<i>Nocardioides</i>	-0.48	0.67	-0.46	-0.53	-0.54	0.63	-0.69	-0.28	-0.28	0.22	-0.64	-0.73	0.49	0.50	-0.36	0.73	-0.25	-0.25	-0.25	-0.25
<i>Caprococcus</i>	-0.49	0.49	0.62	-0.46	-0.55	0.65	-0.63	-0.28	-0.28	1.00	-0.13	-0.50	-0.14	0.73	0.47	0.39	-0.25	-0.25	-0.25	-0.25
<i>Caldilinea</i>	-0.49	0.49	0.62	-0.46	-0.55	0.65	-0.63	-0.28	-0.28	1.00	-0.13	-0.50	-0.14	0.73	0.47	0.39	-0.25	-0.25	-0.25	-0.25
<i>Rubrobacter</i>	-0.48	0.67	-0.46	-0.53	-0.54	0.63	-0.69	-0.28	-0.28	0.22	-0.64	-0.73	0.49	0.50	-0.36	0.73	-0.25	-0.25	-0.25	-0.25
<i>Niabella</i>	-0.49	0.49	0.62	-0.46	-0.55	0.65	-0.63	-0.28	-0.28	1.00	-0.13	-0.50	-0.14	0.73	0.47	0.39	-0.25	-0.25	-0.25	-0.25
<i>Aquicella</i>	-0.48	0.67	-0.46	-0.53	-0.54	0.63	-0.69	-0.28	-0.28	0.22	-0.64	-0.73	0.49	0.50	-0.36	0.73	-0.25	-0.25	-0.25	-0.25
<i>Inquilinus</i>	0.69	-0.62	0.01	-0.17	0.62	-0.54	0.14	1.00	-0.28	-0.28	0.73	0.43	0.36	-0.73	0.30	-0.50	-0.25	-0.25	-0.25	-0.25
<i>Solitalea</i>	0.69	-0.62	0.01	-0.17	0.62	-0.54	0.14	1.00	-0.28	-0.28	0.73	0.43	0.36	-0.73	0.30	-0.50	-0.25	-0.25	-0.25	-0.25
<i>Collimonas</i>	0.97	-0.88	0.02	-0.25	0.89	-0.77	0.18	0.60	-0.37	-0.37	0.77	0.19	-0.24	-0.76	-0.16	-0.84	-0.35	-0.35	-0.35	-0.35
<i>Proteiniborus</i>	0.69	-0.62	0.01	-0.17	0.62	-0.54	0.14	1.00	-0.28	-0.28	0.73	0.43	0.36	-0.73	0.30	-0.50	-0.25	-0.25	-0.25	-0.25
<i>Comesibacter</i>	0.93	-0.85	0.02	-0.24	0.85	-0.74	0.18	0.87	-0.37	-0.37	0.85	0.35	0.06	-0.84	0.07	-0.76	-0.34	-0.34	-0.34	-0.34
<i>Shimazuella</i>	0.69	-0.62	0.02	-0.19	0.64	-0.55	0.11	0.22	-0.28	-0.28	0.50	-0.02	-0.51	-0.50	-0.36	-0.73	-0.25	-0.25	-0.25	-0.25
<i>Dactyloporangium</i>	0.69	-0.62	0.01	-0.17	0.62	-0.54	0.14	1.00	-0.28	-0.28	0.73	0.43	0.36	-0.73	0.30	-0.50	-0.25	-0.25	-0.25	-0.25
<i>Candidatus.Nitrososphaera</i>	0.69	-0.62	0.02	-0.19	0.64	-0.55	0.11	0.22	-0.28	-0.28	0.50	-0.02	-0.51	-0.50	-0.36	-0.73	-0.25	-0.25	-0.25	-0.25
<i>Rhodobium</i>	0.69	-0.62	0.02	-0.19	0.64	-0.55	0.11	0.22	-0.28	-0.28	0.50	-0.02	-0.51	-0.50	-0.36	-0.73	-0.25	-0.25	-0.25	-0.25
<i>Dongia</i>	0.69	-0.62	0.02	-0.19	0.64	-0.55	0.11	0.22	-0.28	-0.28	0.50	-0.02	-0.51	-0.50	-0.36	-0.73	-0.25	-0.25	-0.25	-0.25
<i>Ramlibacter</i>	0.69	-0.62	0.02	-0.19	0.64	-0.55	0.11	0.22	-0.28	-0.28	0.50	-0.02	-0.51	-0.50	-0.36	-0.73	-0.25	-0.25	-0.25	-0.25
<i>Rubricoccus</i>	0.69	-0.62	0.02	-0.19	0.64	-0.55	0.11	0.22	-0.28	-0.28	0.50	-0.02	-0.51	-0.50	-0.36	-0.73	-0.25	-0.25	-0.25	-0.25

	<i>Methylotenera</i>	<i>Haliangium</i>	<i>Flavobacterium</i>	<i>Hyphomicrobium</i>	<i>Flavisolibacter</i>	<i>Nocardioides</i>	<i>Coprococcus</i>	<i>Caldilinea</i>	<i>Rubrobacter</i>	<i>Niabella</i>	<i>Aquicella</i>	<i>Inquillinus</i>	<i>Solitalea</i>	<i>Collimonas</i>	<i>Proteiniborus</i>	<i>Conexibacter</i>	<i>Shimazuella</i>	<i>Dactylosporangium</i>	<i>Candidatus. Nitrososphaera</i>	<i>Rhodobium</i>	<i>Dongia</i>	<i>Ramlibacter</i>	<i>Rubricoccus</i>
Soluble	-0.2	-0.2	-0.2	-0.2	-0.48	-0.48	-0.49	-0.49	-0.48	-0.49	-0.48	0.69	0.69	0.97	0.69	0.93	0.69	0.69	0.69	0.69	0.69	0.69	0.69
Hemicellulose	0.09	0.09	0	0	0.67	0.67	0.49	0.49	0.67	0.49	0.67	-0.62	-0.62	-0.88	-0.62	-0.85	-0.62	-0.62	-0.62	-0.62	-0.62	-0.62	-0.62
Cellulose	-0.35	-0.35	0.16	0.16	-0.46	-0.46	0.62	0.62	-0.46	0.62	-0.46	0.01	0.01	0.02	0.01	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02
Lignin	0.64	0.64	0.72	0.72	-0.53	-0.53	-0.46	-0.46	-0.53	-0.46	-0.53	-0.17	-0.17	-0.25	-0.17	-0.24	-0.19	-0.17	-0.19	-0.19	-0.19	-0.19	-0.19
TN	-0.2	-0.2	0.04	0.04	-0.54	-0.54	-0.55	-0.55	-0.54	-0.55	-0.54	0.62	0.62	0.89	0.62	0.85	0.64	0.62	0.64	0.64	0.64	0.64	0.64
C:N	0.01	0.01	-0.2	-0.2	0.63	0.63	0.65	0.65	0.63	0.65	0.63	-0.54	-0.54	-0.77	-0.54	-0.74	-0.55	-0.54	-0.55	-0.55	-0.55	-0.55	-0.55
LCI	0.5	0.5	0.57	0.57	-0.69	-0.69	-0.63	-0.63	-0.69	-0.63	-0.69	0.14	0.14	0.18	0.14	0.18	0.11	0.14	0.11	0.11	0.11	0.11	0.11
<i>Chloroflexales</i>	-0.28	-0.28	-0.28	-0.28	-0.28	-0.28	-0.28	-0.28	-0.28	-0.28	-0.28	1.00	1.00	0.60	1.00	0.87	0.22	1.00	0.22	0.22	0.22	0.22	0.22
<i>Thermoanaerobacterales</i>	0.22	0.22	1.00	1.00	-0.28	-0.28	-0.28	-0.28	-0.28	-0.28	-0.28	-0.28	-0.28	-0.37	-0.28	-0.37	-0.28	-0.28	-0.28	-0.28	-0.28	-0.28	-0.28
<i>Halanaerobiales</i>	-0.28	-0.28	-0.28	-0.28	0.22	0.22	1.00	1.00	0.22	1.00	0.22	-0.28	-0.28	-0.37	-0.28	-0.37	-0.28	-0.28	-0.28	-0.28	-0.28	-0.28	-0.28
<i>Armatimonadetes</i>	-0.03	-0.03	-0.44	-0.44	-0.64	-0.64	-0.13	-0.13	-0.64	-0.13	-0.64	0.73	0.73	0.77	0.73	0.85	0.50	0.73	0.50	0.50	0.50	0.50	0.50
<i>WPS.2</i>	0.18	0.18	0.64	0.64	-0.73	-0.73	-0.50	-0.50	-0.73	-0.50	-0.73	0.43	0.43	0.19	0.43	0.35	-0.02	0.43	-0.02	-0.02	-0.02	-0.02	-0.02
<i>Chlorobi</i>	0.18	0.18	-0.39	-0.39	0.49	0.49	-0.14	-0.14	0.49	-0.14	0.49	0.36	0.36	-0.24	0.36	0.06	-0.51	0.36	-0.51	-0.51	-0.51	-0.51	-0.51
<i>Actinomycetales</i>	-0.11	-0.11	0.11	0.11	0.50	0.50	0.73	0.73	0.50	0.73	0.50	-0.73	-0.73	-0.76	-0.73	-0.84	-0.50	-0.73	-0.50	-0.50	-0.50	-0.50	-0.50
<i>Nocardia</i>	0.30	0.30	-0.36	-0.36	-0.36	-0.36	0.47	0.47	-0.36	0.47	-0.36	0.30	0.30	-0.16	0.30	0.07	-0.36	0.30	-0.36	-0.36	-0.36	-0.36	-0.36
<i>Sporichthya</i>	-0.11	-0.11	0.23	0.23	0.73	0.73	0.39	0.39	0.73	0.39	0.73	-0.50	-0.50	-0.84	-0.50	-0.76	-0.73	-0.50	-0.73	-0.73	-0.73	-0.73	-0.73
<i>Harbinensis</i>	0	0	1	1	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.35	-0.25	-0.34	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25
<i>Thermacetogenium</i>	0	0	1	1	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.35	-0.25	-0.34	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25
<i>Pedomicrobium</i>	0	0	1	1	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.35	-0.25	-0.34	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25
<i>Cellvibrio</i>	0	0	1	1	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.35	-0.25	-0.34	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25
<i>Methylotenera</i>		1	0	0	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.35	-0.25	-0.34	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25
<i>Haliangium</i>	1		0	0	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.35	-0.25	-0.34	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25
<i>Flavobacterium</i>	0	0		1	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.35	-0.25	-0.34	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25
<i>Hyphomicrobium</i>	0	0	1		-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.35	-0.25	-0.34	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25
<i>Flavisolibacter</i>	-0.25	-0.25	-0.25	-0.25		1	0	0	1	0	1	-0.25	-0.25	-0.35	-0.25	-0.34	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25
<i>Nocardioides</i>	-0.25	-0.25	-0.25	-0.25	1		0	0	1	0	1	-0.25	-0.25	-0.35	-0.25	-0.34	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25
<i>Coprococcus</i>	-0.25	-0.25	-0.25	-0.25	0	0		1	0	1	0	-0.25	-0.25	-0.35	-0.25	-0.34	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25
<i>Caldilinea</i>	-0.25	-0.25	-0.25	-0.25	0	0	1		0	1	0	-0.25	-0.25	-0.35	-0.25	-0.34	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25
<i>Rubrobacter</i>	-0.25	-0.25	-0.25	-0.25	1	1	0	0		0	1	-0.25	-0.25	-0.35	-0.25	-0.34	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25
<i>Niabella</i>	-0.25	-0.25	-0.25	-0.25	0	0	1	1	0		0	-0.25	-0.25	-0.35	-0.25	-0.34	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25
<i>Aquicella</i>	-0.25	-0.25	-0.25	-0.25	1	1	0	0	1	0		-0.25	-0.25	-0.35	-0.25	-0.34	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25
<i>Inquillinus</i>	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25		1	0.62	1	0.87	0	1	0	0	0	0	0
<i>Solitalea</i>	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	1		0.62	1	0.87	0	1	0	0	0	0	0
<i>Collimonas</i>	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	-0.35	0.62	0.62		0.62	0.93	0.78	0.62	0.78	0.78	0.78	0.78	0.78
<i>Proteiniborus</i>	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	1	1	0.62		0.87	0	1	0	0	0	0	0
<i>Conexibacter</i>	-0.34	-0.34	-0.34	-0.34	-0.34	-0.34	-0.34	-0.34	-0.34	-0.34	-0.34	0.87	0.87	0.93	0.87		0.49	0.87	0.49	0.49	0.49	0.49	0.49
<i>Shimazuella</i>	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	0	0	0.78	0	0.49		0	1	1	1	1	1
<i>Dactylosporangium</i>	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	1	1	0.62	1	0.87	0		0	0	0	0	0
<i>Candidatus.Nitrososphaera</i>	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	0	0	0.78	0	0.49	1	0		1	1	1	1
<i>Rhodobium</i>	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	0	0	0.78	0	0.49	1	0	1		1	1	1
<i>Dongia</i>	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	0	0	0.78	0	0.49	1	0	1	1		1	1
<i>Ramlibacter</i>	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	0	0	0.78	0	0.49	1	0	1	1		1	1
<i>Rubricoccus</i>	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	-0.25	0	0	0.78	0	0.49	1	0	1	1		1	1

	Soluble	Hemicellulose	Cellulose	Lignin	TN	C:N	LCI	Chloroflexales	Thermoanaerobacterales	Halanaerobiales	Armatimonadetes	WPS.2	Chlorobi	Actinomycetales	Nocardia	Sporichthya	Harbinensis	Thermacetogenium	Pedomicrobium	Cellvibrio
Soluble	***	NS	NS	***	**	NS	NS	NS	NS	NS	*	NS	NS	***	NS	**	NS	NS	NS	NS
Hemicellulose	***	NS	NS	***	***	NS	NS	NS	NS	NS	**	*	NS	**	NS	**	NS	NS	NS	NS
Cellulose	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lignin	NS	NS	NS	NS	NS	***	NS	*	NS	NS	*	NS	NS	NS	NS	NS	*	*	*	*
TN	***	***	NS	NS	***	NS	NS	NS	NS	*	NS	NS	NS	**	NS	**	NS	NS	**	NS
C:N	**	***	NS	NS	***	*	NS	NS	NS	*	NS	NS	NS	***	NS	**	NS	NS	NS	NS
LCI	NS	NS	NS	***	NS	*	NS	*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloroflexales	NS	NS	NS	NS	NS	NS	NS	NS	NS	*	NS	NS	*	NS	NS	NS	NS	NS	NS	NS
Thermoanaerobacterales	NS	NS	NS	*	NS	NS	*	NS	NS	NS	NS	NS	NS	NS	NS	NS	*	*	*	*
Halanaerobiales	NS	NS	NS	NS	*	*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Armatimonadetes	*	**	NS	NS	NS	NS	*	NS	NS	NS	NS	NS	NS	NS	NS	***	NS	NS	NS	NS
WPS.2	NS	*	NS	**	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chlorobi	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Actinomycetales	***	**	NS	NS	**	***	NS	*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nocardia	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Sporichthya	**	**	NS	NS	**	**	NS	NS	NS	NS	***	NS	NS	***	NS	NS	NS	NS	NS	NS
Harbinensis	NS	NS	NS	*	NS	NS	NS	NS	*	NS	NS	NS	NS	NS	NS	NS	NS	***	***	***
Thermacetogenium	NS	NS	NS	*	NS	NS	NS	NS	*	NS	NS	NS	NS	NS	NS	NS	***	NS	NS	NS
Pedomicrobium	NS	NS	NS	*	NS	NS	NS	NS	*	NS	NS	NS	NS	NS	NS	NS	***	***	NS	NS
Cellvibrio	NS	NS	NS	*	NS	NS	NS	NS	*	NS	NS	NS	NS	NS	NS	NS	***	***	***	NS
Methylotenera	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Haliangium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Flavobacterium	NS	NS	NS	*	NS	NS	NS	NS	***	NS	NS	NS	NS	NS	NS	NS	***	***	***	***
Hyphomicrobium	NS	NS	NS	*	NS	NS	NS	NS	***	NS	NS	NS	NS	NS	NS	NS	***	***	***	***
Flavisolibacter	NS	*	NS	NS	NS	NS	*	NS	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	NS
Nocardioides	NS	*	NS	NS	NS	NS	*	NS	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	NS
Coprococcus	NS	NS	NS	NS	NS	NS	NS	NS	NS	***	NS	NS	NS	*	NS	NS	NS	NS	NS	NS
Caldilinea	NS	NS	NS	NS	NS	NS	NS	NS	NS	***	NS	NS	NS	*	NS	NS	NS	NS	NS	NS
Rubrobacter	NS	*	NS	NS	NS	NS	*	NS	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	NS
Niabella	NS	NS	NS	NS	NS	NS	NS	NS	NS	***	NS	NS	NS	*	NS	NS	NS	NS	NS	NS
Aquicella	NS	*	NS	NS	NS	NS	*	NS	NS	NS	NS	***	NS	NS	NS	***	NS	NS	NS	NS
Inquilinus	*	NS	NS	NS	NS	NS	NS	***	NS	NS	NS	*	NS	NS	NS	NS	NS	NS	NS	NS
Solitalea	*	NS	NS	NS	NS	NS	NS	***	NS	NS	*	NS	NS	*	NS	NS	NS	NS	NS	NS
Collimonas	***	**	NS	NS	**	*	NS	NS	NS	NS	***	NS	NS	**	NS	***	NS	NS	NS	NS
Proteiniborus	*	NS	NS	NS	NS	NS	NS	***	NS	NS	***	NS	NS	***	NS	NS	NS	NS	NS	NS
Conexibacter	***	**	NS	NS	**	*	NS	**	NS	NS	**	NS	NS	**	NS	*	NS	NS	NS	NS
Shimazuella	*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	*	NS	NS	NS	NS
Dactyloporangium	*	NS	NS	NS	NS	NS	NS	***	NS	NS	***	NS	NS	***	NS	NS	NS	NS	NS	NS
Candidatus, Nitrososphaera	*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	*	NS	NS	NS	NS
Rhodobium	*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	***	NS	NS	NS	NS
Dongia	*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	*	NS	NS	NS	NS
Ramlibacter	*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	*	NS	NS	NS	NS
Rubricoccus	*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	*	NS	NS	NS	NS

	<i>Methylotenera</i>	<i>Haliangium</i>	<i>Flavobacterium</i>	<i>Hyphomicrobium</i>	<i>Flavisolibacter</i>	<i>Nocardioides</i>	<i>Coprococcus</i>	<i>Caldilinea</i>	<i>Rubrobacter</i>	<i>Niabella</i>	<i>Aquicella</i>	<i>Inquilinus</i>	<i>Solitalea</i>	<i>Collimonas</i>	<i>Proteiniborus</i>	<i>Conexibacter</i>	<i>Shimazuella</i>	<i>Dactylosporangium</i>	<i>Candidatus. Nitrososphaera</i>	<i>Rhodobium</i>	<i>Dongia</i>	<i>Ramlibacter</i>	<i>Rubricoccus</i>
Soluble	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	*	*	***	*	***	*	*	*	*	*	*	*	*
Hemicellulose	NS	NS	NS	NS	*	*	NS	NS	*	NS	*	NS	NS	**	NS	**	NS	NS	NS	NS	NS	NS	NS
Cellulose	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Lignin	NS	NS	*	*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
TN	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**	NS	**	NS	NS	NS	NS	NS	NS	NS
C:N	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	*	NS	*	NS	NS	NS	NS	NS	NS	NS	NS
L:CI	NS	NS	NS	NS	*	*	NS	NS	*	NS	*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloroflexales	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	***	***	NS	***	**	NS	***	NS	NS	NS	NS	NS
Thermoanaerobacterales	NS	NS	***	***	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Halanaerobiales	NS	NS	NS	NS	NS	NS	***	***	NS	***	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Armatimonadetes	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	*	*	***	***	**	NS	***	NS	NS	NS	NS	NS	NS
WPS.2	NS	NS	NS	NS	*	*	NS	NS	*	NS	***	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chlorobi	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Actinomycetales	NS	NS	NS	NS	NS	NS	*	*	NS	*	NS	*	*	**	***	**	NS	***	NS	NS	NS	NS	NS
Nocardia	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Sporichthya	NS	NS	NS	NS	*	*	NS	NS	*	NS	***	NS	NS	***	NS	*	*	NS	*	***	*	*	*
Harbinensis	NS	NS	***	***	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Thermacetogenium	NS	NS	***	***	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pedomicrobium	NS	NS	***	***	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cellvibrio	NS	NS	***	***	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methylotenera		***	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Haliangium	***		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Flavobacterium	NS	NS		***	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Hyphomicrobium	NS	NS	***		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Flavisolibacter	NS	NS	NS	NS		***	NS	NS	***	NS	***	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Nocardioides	NS	NS	NS	NS	***		NS	NS	***	NS	***	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Coprococcus	NS	NS	NS	NS	NS	NS	***		NS	***	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Caldilinea	NS	NS	NS	NS	NS	NS	***		NS	***	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Rubrobacter	NS	NS	NS	NS	***	***	NS	NS	***	NS	***	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Niabella	NS	NS	NS	NS	NS	NS	***	***	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aquicella	NS	NS	NS	NS	***	***	NS	NS	***	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Inquilinus	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		***	NS	***	**	NS	***	NS	NS	NS	NS	NS
Solitalea	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	***		NS	***	**	NS	***	NS	NS	NS	NS	NS
Collimonas	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS		NS	***	*	NS	*	*	*	*	*
Proteiniborus	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	***	***	NS		**	NS	***	NS	NS	NS	NS	NS
Conexibacter	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**	**	***	**			NS	**	NS	NS	NS	NS	NS
Shimazuella	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	*	NS		NS	NS	***	***	***	***	***	***
Dactylosporangium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	***	***	NS	***	**	NS		NS	NS	NS	NS	NS
Candidatus. Nitrososphaera	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	*	NS	NS	NS	***	NS	***	***	***	***	***
Rhodobium	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	*	NS	NS	NS	***	NS	***	***	***	***	***
Dongia	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	*	NS	NS	NS	***	NS	***	***	***	***	***
Ramlibacter	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	*	NS	NS	NS	***	NS	***	***	***	***	***
Rubricoccus	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	*	NS	NS	NS	***	NS	***	***	***	***	***

Appendix D: Pearson's correlation coefficients between fungal diversity and the initial biochemical qualities of the crop residues. Pearson's correlation significance between fungal diversity and the initial biochemical qualities of the crop residues. *Significance between the parameter are indicated by * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$, ns indicates no significant correlation ($p > 0.05$).*

	<i>Holtermanniella</i>	<i>Septoriella</i>	<i>Trichophyton</i>	<i>Malassezia</i>	<i>Pandora</i>	<i>Guehomyces</i>	<i>Pseudeurotium</i>	<i>Cercophora</i>	<i>Tetracladium</i>	<i>Stemphylium</i>	<i>Verticillium</i>	<i>Valsonectria</i>	<i>Thelonectria</i>	<i>Ilyonectria</i>	<i>Clitopilus</i>	<i>Clitocybe</i>	<i>Melanoleuca</i>	<i>Cladorrhinum</i>	<i>Zopfiella</i>	<i>Podospora</i>	<i>Phialemonium</i>	<i>Monodictys</i>	<i>Neoscochyta</i>	<i>Westerdykella</i>	<i>Gymnoascus</i>	<i>Duddingtonia</i>	<i>Pseudaleuria</i>	<i>Basidiobolus</i>
Soluble	*	*	*	*	*	*	*	*	***	***	***	***	***	***	***	***	***	***	***	***	***	**	***	***	***	***	***	***
Hemicellulose	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**
Cellulose	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**	NS	NS	NS	NS	NS	NS
Lignin	*	*	*	*	*	*	*	*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**	NS	NS	NS	NS	NS	NS
TN	*	*	*	*	*	*	*	*	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**
C:N	***	***	***	***	***	***	***	***	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
LCI	***	***	***	***	***	***	***	***	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**	NS	NS	NS	NS	NS	NS
<i>Udeniomyces</i>	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**	NS	NS	NS	NS	NS	NS
<i>Yurkovia</i>	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**	NS	NS	NS	NS	NS	NS
<i>Sordaria</i>	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**	NS	NS	NS	NS	NS	NS
<i>Magnaportheopsis</i>	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**	NS	NS	NS	NS	NS	NS
<i>Mrakia</i>	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**	NS	NS	NS	NS	NS	NS
<i>Pseudoclitocybe</i>	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**	NS	NS	NS	NS	NS	NS
<i>Ganoderma</i>	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**	NS	NS	NS	NS	NS	NS
<i>Operculomyces</i>	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**	NS	NS	NS	NS	NS	NS
<i>Phyllozma</i>	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**	NS	NS	NS	NS	NS	NS
<i>Kazachstania</i>	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**	NS	NS	NS	NS	NS	NS
<i>Hypoxylon</i>	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**	NS	NS	NS	NS	NS	NS
<i>Pleurophoma</i>	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**	NS	NS	NS	NS	NS	NS
<i>Thanatephorus</i>	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**	NS	NS	NS	NS	NS	NS
<i>Phialocephala</i>	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**	NS	NS	NS	NS	NS	NS
<i>Leucosporidium</i>	***	***	***	***	***	***	***	***	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**	NS	NS	NS	NS	NS	NS
<i>Rhizophydium</i>	***	***	***	***	***	***	***	***	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**	NS	NS	NS	NS	NS	NS
<i>Volutella</i>	***	***	***	***	***	***	***	***	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**	NS	NS	NS	NS	NS	NS
<i>Neobulgaria</i>	***	***	***	***	***	***	***	***	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**	NS	NS	NS	NS	NS	NS
<i>Oidiodendron</i>	***	***	***	***	***	***	***	***	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**	NS	NS	NS	NS	NS	NS
<i>Mucor</i>	***	***	***	***	***	***	***	***	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**	NS	NS	NS	NS	NS	NS
<i>Powellomyces</i>	***	***	***	***	***	***	***	***	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**	NS	NS	NS	NS	NS	NS
<i>Holtermanniella</i>	NS	***	***	***	***	***	***	***	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**	NS	NS	NS	NS	NS	NS
<i>Septoriella</i>	***	***	***	***	***	***	***	***	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**	NS	NS	NS	NS	NS	NS
<i>Trichophyton</i>	***	***	***	***	***	***	***	***	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**	NS	NS	NS	NS	NS	NS
<i>Malassezia</i>	***	***	***	***	***	***	***	***	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**	NS	NS	NS	NS	NS	NS
<i>Pandora</i>	***	***	***	***	***	***	***	***	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**	NS	NS	NS	NS	NS	NS
<i>Guehomyces</i>	***	***	***	***	***	***	***	***	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**	NS	NS	NS	NS	NS	NS
<i>Pseudeurotium</i>	***	***	***	***	***	***	***	***	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**	NS	NS	NS	NS	NS	NS
<i>Cercophora</i>	***	***	***	***	***	***	***	***	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**	NS	NS	NS	NS	NS	NS
<i>Tetracladium</i>	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**	NS	NS	NS	NS	NS	NS
<i>Stemphylium</i>	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**	NS	NS	NS	NS	NS	NS
<i>Verticillium</i>	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**	NS	NS	NS	NS	NS	NS
<i>Valsonectria</i>	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**	NS	NS	NS	NS	NS	NS
<i>Thelonectria</i>	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**	NS	NS	NS	NS	NS	NS
<i>Ilyonectria</i>	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**	NS	NS	NS	NS	NS	NS
<i>Clitopilus</i>	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**	NS	NS	NS	NS	NS	NS
<i>Clitocybe</i>	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**	NS	NS	NS	NS	NS	NS
<i>Melanoleuca</i>	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**	NS	NS	NS	NS	NS	NS
<i>Cladorrhinum</i>	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**	NS	NS	NS	NS	NS	NS
<i>Zopfiella</i>	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**	NS	NS	NS	NS	NS	NS
<i>Podospora</i>	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**	NS	NS	NS	NS	NS	NS
<i>Phialemonium</i>	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**	NS	NS	NS	NS	NS	NS
<i>Monodictys</i>	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**	NS	NS	NS	NS	NS	NS
<i>Neoscochyta</i>	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**	NS	NS	NS	NS	NS	NS
<i>Westerdykella</i>	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**	NS	NS	NS	NS	NS	NS
<i>Gymnoascus</i>	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**	NS	NS	NS	NS	NS	NS
<i>Duddingtonia</i>	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**	NS	NS	NS	NS	NS	NS
<i>Pseudaleuria</i>	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**	NS	NS	NS	NS	NS	NS
<i>Basidiobolus</i>	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**	NS	NS	NS	NS	NS	NS