Table S1. Identification of isolated fungi from hybrid aspen wood (taxa, sequence accession numbers in NCBI, Species Hypothesis and reference sequence, and corresponding Blast results (percentage of identity and Blast score).

Fungal taxa	GenBank accession no.	Species Hypothesis*	Reference sequence	Percent identity	Score
Agrocybe pediades	OR636294	SH1162763.09FU	UDB0802182	100	918.3
Alfoldia sp.	OR636302	SH0997786.09FU	NR_171211	94.62	712
Alternaria alternata	OR636277	SH1301428.09FU	NR_163686	100	924
Alternaria dactylidicola	OR727929	SH1301414.09FU	NR_151852.1	99.29	1014
Alternaria doliconidium	OR727926	SH1301428.09FU	NR_158361.1	100	974
Alternaria rosae	OR727943	SH1301414.09FU	NR_136017.1	99.42	946
Alternaria sp.	OR636282	SH1301414.09FU	NR_136052.1	100	736
Apiospora arundinis	OR636279	SH1216799.09FU	OR001664	100	906.3
Apiospora arundinis	OR636280	SH1216799.09FU	MK460910	99.27	925.2
Apiospora arundinis	OR636287	SH1216799.09FU	UDB0799248	100	851.4
Apiospora arundinis	OR727928	SH1216799.09FU	UDB0799248	99.8	847.9
Apiospora qinlingensis	OR727917	SH1216812.09FU	NR_172403.1	99.61	935
Arthrinium sphaerospermum	OR727940	SH0991801.09FU	MW208943	99.24	889.1
Beauveria pseudobassiana	OR727923		NR_111598.1	100	937
Chondrostereum purpureum	OR636300	SH1259912.09FU	UDB0798968	100	1090
Chondrostereum purpureum	OR727920	SH1259912.09FU	KY352517	100	858.2
Cladosporium sp.	OR727950	SH1309305.09FU	NR_152296.1	100	955
Coprinellus disseminatus	OR636296	SH1198881.09FU	UDB0802511	100	913.2
Coprinellus micaceus	OR727953	SH1198876.09FU	KX449450	100	1122.6
Cryptosphaeria ligniota	OR727954	SH0888271.09FU	NR_154799	99.8	918
Diaporthe sp.	OR727914	SH1198253.09FU	NR_158433.1	98.66	928
Didymella keratinophila	OR636269	SH0985300.09FU	NR_158275.1	99.19	891
Didymella keratinophila	OR636272	SH0985300.09FU	NR_158275.1	99.39	889
Didymella keratinophila	OR727921	SH0985300.09FU	NR_158275.1	99.42	933
Didymella keratinophila	OR727931	SH0985300.09FU	NR_158275.1	99.4	913
Didymella keratinophila	OR727938	SH0985300.09FU	NR_158275.1	99.4	911
Didymella keratinophila	OR727944	SH0985300.09FU	NR_158275.1	99.4	913
Didymella sp.	OR727912	SH0985300.09FU	NR_158241.1	98.02	872
Didymella sp.	OR727936	SH0985300.09FU	NR_174639.1	98.26	902
Didymella sp.	OR727941	SH0985300.09FU	NR_135942.1	98.45	907
Didymella sp.	OR727946	SH0985300.09FU	OQ248227	99.79	823.9

Epicoccum layuense	OR636283	SH0985300.09FU	NR_158265.1	99.75	736
Fusarium acuminatum	OR727949	SH1079201.09FU	OK338521	100	913.2
Fusarium iranicum	OR636281	SH1079201.09FU	NR_175069.1	100	931
Fusarium iranicum	OR727952	SH1079201.09FU	NR_175069.1	99.6	905
Gibellulopsis serrae	OR727919	SH0941075.09FU	LR590134	99.41	865.1
Hypholoma fasciculare	OR636295	SH1200747.09FU	UDB019589	100	983.6
Hypoxylon rubiginosum	OR636284	SH1270648.09FU	NR_155152	100	723
Hypoxylon rubiginosum	OR636286	SH1270648.09FU	NR_155152	100	922
Ilyonectria sp.	OR636273	SH0972726.09FU	NR_152889.1	99.58	861
Juxtiphoma eupyrena	OR727947	SH0985300.09FU	MK907745	100	880.6
Microdochium phragmitis	OR636274	SH0946088.09FU	NR_132916.1	100	865
Nectria cinnabarina	OR727932	SH1078376.09FU	KU516528	99.44	897.7
Nemania serpens	OR636299	SH1033394.09FU	MG098299	99.82	932.1
Neobulgaria koningiana	OR636278	SH0902484.09FU	NR_165900.1	98.41	881
Neobulgaria koningiana	OR727951	SH0902484.09FU	NR_165900.1	98.04	883
Nigrospora sp.	OR636290	SH0983198.09FU	NR_153478	100	457
Ophiostoma sp.	OR727915	SH1236018.09FU	NR_147587.1	100	828
Paraconiothyrium fuckelii	OR636285	SH1068151.09FU	MH860341	100	990.4
Paraconiothyrium fuckelii	OR636289	SH1068151.09FU	MK801348	100	872
Paraconiothyrium fuckelii	OR636303	SH1068151.09FU	MH871147	99.82	976.7
Paraconiothyrium fuckelii	OR727911	SH1068126.09FU	MK801348	99.82	971.6
Paraconiothyrium fuckelii	OR727918	SH1068151.09FU	MK052700	100	976.7
Paraconiothyrium fuckelii	OR727934	SH1068151.09FU	MK052700	100	980.1
Penicillium rubens	OR636275		NR_111815.1	100	924
Peniophora polygonia	OR636276	SH1068827.09FU	MH856684	100	880.6
Peniophora polygonia	OR727916	SH1068827.09FU	MH856684	100	997.3
Periconia celtidis	OR636298	SH0949764.09FU	NR_174830	99.41	617
Periconia pseudobyssoides	OR636292		OP955975	100	918.3
Periconia verrucosa	OR636301	SH0952922.09FU	NR_171873.1	99.61	929
Periconia verrucosa	OR727927	SH0952922.09FU	NR_171873.1	99.4	900
Phaeosphaeria herpotrichoides	OR727933	SH1092021.09FU	MN394886	100	937.2
Phoma acuta	OR727922	SH0930378.09FU	MH863858	99.44	906.3
Physalospora scirpi	OR727924	SH0991801.09FU	KJ702033	99.07	897.7
Physalospora scirpi	OR727939	SH0991801.09FU	MW208935	100	896
Plenodomus hendersoniae	OR636270	SH1298780.09FU	MH862939	99.6	863.4
Pseudeurotium bakeri	OR727913	SH0956267.09FU	MT732884	100	877.1

Pseudogymnoascus roseus	OR727942	SH0956470.09FU	NR_165894.1	99.36	843
Pseudogymnoascus roseus	OR727945	SH0956470.09FU	MK794085	99.61	866.8
Pseudopithomyces sp.	OR636297	SH1291808.09FU	NR_161121.1	99	893
Pyrenomyxa morganii	OR727930	SH1270648.09FU	NR_160221	99.65	1042
Pyrenomyxa sp.	OR727955	SH1108907.09FU	NR_160221.1	96.2	891
Tausonia pullulans	OR727948	SH1071204.09FU	OK052064	100	825.6
Truncatella angustata	OR727925	SH1264483.09FU	NR_164272.1	100	911
Valsa salicina	OR727937	SH1198499.09FU	MK907722	100	964.7
Venturia caesiae	OR636271	SH0979512.09FU	NR_170754	98.64	782
Verruciconidia persicina	OR636288	SH0885442.09FU	NR_131260.1	99.81	983
Xanthiomyces spinosus	OR727935	SH0881547.09FU	MH861746	100	899.4

* Species Hypothesis current version used (Kõljalg et al. 2020). Kõljalg U, Nilsson HR, Schigel D, Tedersoo L, Larsson K-H, May TW, Taylor AFS, Jeppesen TS, Frøslev TG, Lindahl BD, Põldmaa K, Saar I, Suija A, Savchenko A, Yatsiuk I, Adojaan K, Ivanov F, Piirmann T, Pöhönen R, Zirk A, Abarenkov K. The Taxon Hypothesis Paradigm—On the Unambiguous Detection and Communication of Taxa. Microorganisms. 2020; 8(12):1910. DOI: 10.3390/microorganisms8121910