

**Supplementary Table S1.** GenBank accession numbers of the isolates included in the phylogenetic analysis.

Species	Isolate number	Host	GenBank accession number		
			ITS	<i>tef1</i>	<i>tub2</i>
<i>Lasiodiplodia acaciae</i>	<b>CBS 136434*</b>	<i>Acacia</i> sp.	MT587421	MT592133	MT592613
<i>L. aquilariae</i>	CGMCC 3.18471*	<i>Aquilaria crassna</i>	KY783442	KY848600	N/A
<i>L.americana</i>	CERC 1961 = CFCC 50065 *	<i>Pistachia vera</i>	KP217059	KP217067	KP217075
<i>L.americana</i>	CERC 1960 = CFCC 50064	<i>Pistachia vera</i>	KP217058	KP217066	KP217074
<i>L.avicenniae</i>	CMW 41467 *	<i>Avocennia marina</i>	KP860835	KP860680	KP860758
<i>L.avicenniae</i>	LAS 199	<i>Avocennia marina</i>	KU587957	KU587947	KU587868
<i>L. avicenniarum</i>	MFLUCC 17-2591*	<i>Avicennia marina</i>	MK347777	MK340867	N/A
<i>L.brasiliense</i>	CMM 4015 *	<i>Mangifera indica</i>	JX464063	JX464049	N/A
<i>L.brasiliense</i>	IBL 344	<i>Adansonia madagascariensis</i>	KT151808	KT151802	KT151805
<i>L. brasiliensis</i>	CMM 4469	<i>Anacardium occidentale</i>	KT325574	KT325580	N/A
<i>L.bruguierae</i>	CMW 41470*	<i>Bruguiera gymnorrhiza</i>	KP860833	KP860678	KP860756
<i>L.bruguierae</i>	CMW 41614	<i>Bruguiera gymnorrhiza</i>	KP860834	KP860679	KP860757
<i>L. caatinguensis</i>	CMM 1325	<i>Citrus sinensis</i>	KT154760	KT008006	KT154767
<i>L. chiangraiensis</i>	MFLUCC 21-0003*	Unknown host	MW760854	MW815630	MW815628
<i>L. chiangraiensis</i>	GZCC 21-0003	Unknown host	MW760853	MW815629	MW815627
<i>L. chinensis</i>	CGMCC 3.18061	Woody branch	KX499889	KX499927	KX500002
<i>L. chonburiensis</i>	MFLUCC 16-0376*	<i>Pandanus</i> sp.	MH275066	MH412773	MH412742
<i>L.cinnamomi</i>	CFCC 51997 *	<i>Cinnamomum camphora</i>	MG866028	MH236799	MH236797
<i>L.cinnamomi</i>	CFCC 51998	<i>Cinnamomum camphora</i>	MG866029	MH236800	MH236798
<i>L.citricola</i>	CBS 124707 = IRAN 1522C *	<i>Citrus</i> sp.	GU945354	GU945340	KP872405
<i>L.citricola</i>	CBS124706 = IRAN 1521C	<i>Citrus</i> sp.	GU945353	GU945339	KP872406
<i>L. crassispora</i>	CMW 13488	<i>Eucalyptus urophylla</i>	DQ103552	DQ103559	KU887507
<i>L.crassispora</i>	CBS 118741 = WAC12533 *	<i>Santalum album</i>	DQ103550	EU673303	KU887506
<i>L.crassispora</i>	CMM 4585	–	MG954354	MG979520	MG979552
<i>L. euphorbiaceicola</i>	CMW 33268	<i>Adansonia</i>	KU887131	KU887008	KU887430
<i>L.euphorbicola</i>	CMM 3609 *	<i>Jatropha curcas</i>	KF234543	KF226689	KF254926
<i>L.euphorbicola</i>	CMW 33350	<i>Adansonia digitata</i>	KU887149	KU887026	KU887455
<i>L. exigua</i>	CBS 137785	<i>Quercus ilex</i>	KJ638317	KJ638336	KU887509
<i>L. fici</i>	ZHKUCC 21-0125*	<i>Ficus altissima</i>	ON178662	ON599008	ON599011
<i>L. fici</i>	ZHKUCC 21-0126	<i>Ficus altissima</i>	ON178664	ON599007	ON599010
<i>L. fici</i>	ZHKUCC 21-0127	<i>Ficus altissima</i>	ON178663	ON599006	ON599009
<i>L. gilanensis</i>	CBS 124704*	<i>Citrus</i> sp.	GU945351	GU945342	KU887511
<i>L.gilanensis</i>	CBS 124704 = IRAN1523C= UCCE 940B *	<i>Citrus</i> sp.	KX906851	KX906853	KX906849
<i>L.gilanensis</i>	CBS 124705 = IRAN 1501C	<i>Citrus</i> sp.	GU945352	GU945341	KP872412
<i>L. gonubiensis</i>	CMW 14078	<i>Syzygium cordatum</i>	AY639594	DQ103567	EU673126
<i>L.gonubiensis</i>	CBS 115812 = CMW 14077 *	<i>Syzygium cordatum</i>	AY639595	DQ103566	DQ458860

<i>L.gonubiensis</i>	CMW 46621 = MTU 56	<i>Syzygium cordatum</i>	KY052944	KY024623	KY000126
<i>L.gravistriata</i>	CMM 4564 *	<i>Anacardium humile</i>	KT250949	KT250950	N/A
<i>L.gravistriata</i>	CMM 4565	<i>Anacardium humile</i>	KT250947	KT266812	N/A
<i>L.hormozganensis</i>	CBS 124709 = IRAN 1500C *	<i>Olea</i> sp.	GU945355	GU945343	KP872413
<i>L.hormozganensis</i>	CBS 124708 = IRAN 1498C	<i>Mangifera indica</i>	GU945356	GU945344	KP872414
<i>L. hyalina</i>	CGMCC 3.17975	<i>Acacia confusa</i>	KX499879	KX499917	KX499992
<i>L.indica</i>	IBP 1 *	<i>Angiospermous tree</i>	KM376151	N/A	N/A
<i>L.iranensis</i>	CBS 124710 = IRAN 1520C *	<i>Salvadora persica</i>	GU945348	GU945336	KU887516
<i>L.iranensis</i>	CBS 124711 = IRAN 1502C = CMM 4603	<i>Juglans</i> sp.	GU945347	GU945335	MG979537
<i>L. jatrophiicola</i>	CMM 3610	<i>Jatropha curcas</i>	KF234544	KF226690	KF254927
<i>L. krabiensis</i>	MFLUCC 17-2617*	<i>Bruguiera</i> sp.	MN047093	MN077070	N/A
<i>L. laeliocattleiae</i>	CBS 130992*	<i>Mangifera indica</i>	KU507487	KU507454	KU887508
<i>L. laeliocattleiae</i>	BOT 29	<i>Mangifera indica</i>	JN814401	JN814428	N/A
<i>L. laeliocattleiae</i>	CMM 4724	<i>Vitis vinifera</i>	MG954343	MG979508	MG979541
<i>L.lignicola</i>	CBS 134112= MFLUCC 11-0435 *	Dead wood	JX646797	KU887003	KT852958
<i>L.macrospora</i>	CMM 3833 *	<i>Jatropha curcas</i>	KF234557	KF226718	KF254941
<i>L.mahajangana</i>	CBS 124925 = CMW 27801 *	<i>Terminalia catappa</i>	FJ900595	FJ900641	FJ900630
<i>L.mahajangana</i>	CMW 27818	<i>Terminalia catappa</i>	FJ900596	FJ900642	FJ900631
<i>L.margaritacea</i>	CBS 122519 = CMW 26162 *	<i>Adansonia gibbosa</i>	EU144050	EU144065	KX464903
<i>L.mediterranea</i>	CBS 122065	<i>Adansonia gibbosa</i>	EU144051	EU144066	N/A
<i>L.mediterranea</i>	CBS 137783 *	<i>Holm oak</i>	KJ638312	KJ638331	KU887521
<i>L.mediterranea</i>	CBS137784	<i>Grapevine</i>	KJ638311	KJ638330	KU887522
<i>L.microconidia</i>	CGMCC 3.18485 *	<i>Aquilaria crassna</i>	KY783441	KY848614	N/A
<i>L. missouriana</i>	CBS 128311	<i>Vitis vinifera</i>	HQ288225	HQ288267	HQ288304
<i>L. parva</i>	CBS 456.78 *	Cassava-field soil	EF622083	EF622063	KU887523
<i>L. parva</i>	CBS 494.78	Cassava-field soil	EF622084	EF622064	EU673114
<i>L.plurivora</i>	CBS 120832 = STE-U5803 *	<i>Prunus salicina</i>	EF445362	EF445395	KP872421
<i>L.plurivora</i>	CBS 121103 = STE-U4583	<i>Vitis vinifera</i>	AY343482	EF445396	KP872422
<i>L.pontae</i>	CMW 1277 = IBL12 *	<i>Spondias purpurea</i>	KT151794	KT151791	KT151797
<i>L. pseudotheobromae</i>	CBS 116460	<i>Acacia mangium</i>	EF622078	EF622058	KU198428
<i>L.pseudotheobromae</i>	CBS 116459 *	<i>Gmelina arborea</i>	EF622077	EF622057	EU673111
<i>L. pseudotheobromae</i>	CMM 3887	<i>Jatropha curcas</i>	KF234559	KF226722	KF254943
<i>L. pyriformis</i>	CBS 121770	<i>Acacia mellifera</i>	EU101307	EU101352	KU887527
<i>L.rubropurpurea</i>	CBS 118740 = CMW 14700 = WAC 12535 *	<i>Eucalyptus grandis</i>	DQ103553	DQ103571	KU887529
<i>L.rubropurpurea</i>	WAC 12536 = CMW 15207	<i>Eucalyptus grandis</i>	DQ103554	DQ103572	KP872425
<i>L.subglobosa</i>	CMM 3872 *	<i>Jatropha curcas</i>	KF234558	KF226721	KF254942
<i>L.subglobosa</i>	CMM 4046	<i>Jatropha curcas</i>	KF234560	KF226723	KF254944
<i>L. swieteniae</i>	MFLUCC 18-0244	<i>Swietenia mahagoni</i>	MK347789	MK340870	MK412877
<i>L. syzygii</i>	GUCC 9719.1*	<i>Wax apple</i>	MT990531	MW016943	MW014331
<i>L. syzygii</i>	GUCC 9719.3	<i>Syzygium samarangense</i>	MW081992	MW087102	MW087105
<i>L. thailandica</i>	CBS 138760*	<i>Mangifera indica</i>	KJ193637	KJ193681	N/A

<i>L. thailandica</i>	CBS 138653	<i>Phyllanthus acidus</i>	KM006433	KM006464	N/A
<i>L. thailandica</i>	BJFU DZP160123-13	<i>Albizia chinensis</i>	KY676789	KY676798	KY751301
<i>L. theobromae</i>	CBS 164.96 *	Fruit along caral reef coast	AY640255	AY640258	KU887532
<i>L. theobromae</i>	CBS 111530	<i>Leucospermum</i> sp.	EF622074	EF622054	KU887531
<i>L. theobromae</i>	CBS 124.13	–	DQ458890	DQ458875	DQ458858
<i>L. tropica</i>	CGMCC 3.18477*	<i>Aquilaria crassna</i>	KY783454	KY848616	KY848540
<i>L. venezuelensis</i>	WAC 12540	<i>Acacia mangium</i>	DQ103548	DQ103569	KU887534
<i>L. venezuelensis</i>	CBS 118739 = CMW 13511 = WAC 12539 *	<i>Acacia mangium</i>	DQ103547	EU673305	KU887533
<i>L. venezuelensis</i>	CBS 129757	<i>Acacia mangium</i>	JX545102	JX545122	JX545142
<i>L. viticola</i>	CBS 128313 = UCD 2553AR *	<i>Vitis vinifera</i>	HQ288227	HQ288269	HQ288306
<i>L. viticola</i>	CBS 128315 = UCD 2604MO	<i>Vitis vinifera</i>	HQ288228	HQ288270	HQ288307
<i>L. vitis</i>	CBS 124060*	<i>Vitis vinifera</i>	KX464148	KX464642	KX464917
<i>Diplodia mutila</i>	CMW 7060	<i>Fraxinus excelsior</i>	AY236955	AY236904	AY236933
<i>D. seriata</i>	CBS 112555*	<i>Vitis vinifera</i>	AY259094	AY573220	DQ458856

\* Indicates ex-type/ex-epitype isolates. The new species is indicated in bold. Abbreviations of isolates and culture collections: BOT—Personal number of S. Denman; CBS—Centraalbureau voor Schimmelcultures, Utrecht, Netherlands; CFCC—China Forestry Culture Collection Center, Beijing, China; CGMCC—China General Microbiological Culture Collection Center; CMM—Culture Collection of Phytopathogenic Fungi “Prof. Maria Menezes”, Universidade Federal Rural de Pernambuco, Recife, Brazil; CMW—Culture collection of the Forestry and Agricultural Biotechnology Institute (FABI) of the University of Pretoria, Pretoria South Africa; GZCC—Guizhou Culture Collection, Guiyang, China; MFLUCC—Mae Fah Luang University Culture Collection, Chiang Rai, Thailand; STE-U—Culture Collection of the Department of Plant Pathology, University of Stellenbosch, South Africa; UCD—University of California, Davis, Plant Pathology Department Culture Collection; WAC—Department of Agriculture Western Australia Plant-Pathogen Collection, Perth, Australia. Sequences produced in this study are shown in red. \* ex-type or ex-epitype culture.