

Table S2 List of species names, strain labels and GenBank accession numbers of reference ITS sequences used in the phylogenetic analysis.

Species	Strain Number	GenBank Number
<i>Aureoboletus roxanae</i>	Mushroom Observer #294173	MK547058.1
<i>Aureoboletus roxanae</i>	S.D. Russell MycoMap # 571	MN906209.1
<i>Aureoboletus roxanae</i>	S.D. Russell MycoMap # 7613	MN906210.1
<i>Aureoboletus roxanae</i>	CFMR:BZ-2120 TJB-9401	MN250219.1
<i>Aureoboletus roxanae</i>	CFMR:BZ-2120 TJB-9400	MN250207.1
<i>Boletus brunneissimus</i>	Kun2	DQ407249.1
<i>Boletus edulis</i>	ASIS23225	KF692085.1
<i>Boletus edulis</i>	YNCX04	GQ900594.1
<i>Boletus edulis</i>	YNB200	GQ900593.1
<i>Boletus edulis</i>	Q33	KC414231.1
<i>Boletus edulis</i>	CAR86	KP031594.1
<i>Boletus edulis</i>	LE 287795	KC422613.1
<i>Boletus edulis</i>	GO-2009-283	KC152074.1
<i>Boletus edulis</i>	GO-2009-282	KC152072.1
<i>Boletus edulis</i>	F55586	AB821458.1
<i>Boletus edulis</i>	-	GQ984158.1
<i>Boletus edulis</i>	YM4	EF646277.1
<i>Boletus edulis</i>	Chu11	DQ397949.1
<i>Boletus edulis</i>	F55587	AB821459.1
<i>Boletus edulis</i>	MY4415	AB827926.1
<i>Boletus edulis</i>	YM6	EF646278.1
<i>Boletus edulis</i>	375	EU554664.1
<i>Boletus luridiformis</i>	WA0000052289	KX756398.1
<i>Boletus luridiformis</i>	WA0000052272	KX756397.1
<i>Boletus luridiformis</i>	AAM630/06	FM958177.1
<i>Boletus luridiformis</i>	3N	MK492598.1
<i>Boletus magnificus</i>	Chu19	DQ407260.1
<i>Boletus magnificus</i>	Kun4	DQ407251.1
<i>Boletus recapitulatus</i>	-	KP938967.1
<i>Boletus reticulatus</i>	LE 234822	KC422578.1
<i>Boletus reticulatus</i>	LE 203191	KC422595.1
<i>Boletus reticulatus</i>	LE 217010	KC422584.1
<i>Boletus reticulatus</i>	LE 287798	KC422616.1
<i>Boletus rubripes</i>	OMS 1000895	KT968606.1
<i>Boletus rubripes</i>	JLF2070	KC812294.1
<i>Boletus rubripes</i>	JLF2078	KC812296.1
<i>Boletus rubropunctus</i>	AB08	MH796988.1
<i>Boletus rubropunctus</i>	JLF5666	MH190826.1
<i>Boletus rubropunctus</i>	FLAS-F-60615	MH016805.1
<i>Boletus rubropunctus</i>	FLAS-F-60153	MF074842.1
<i>Boletus rubropunctus</i>	VBHI-F473a	MF161282.1

<i>Boletus rubropunctus</i>	FLAS-F-60324	MF153071.1
<i>Boletus rubropunctus</i>	FLAS-F-60909	MH016884.1
<i>Boletus rubropunctus</i>	FLAS-F-60194	MF074781.1
<i>Boletus shiyong</i>	Groc-11407 clone 2	KT693261.1
<i>Boletus shiyong</i>	Groc-11407 clone 1	KT693260.1
<i>Boletus shiyong</i>	DJJ	KY741856.1
<i>Boletus shiyong</i>	HKAS57472	KM820794.1
<i>Boletus shiyong</i>	HKAS82472	KM820795.1
<i>Boletus sinoedulis</i>	HKAS 53613	NR_158292.1
<i>Boletus vermiculosoides</i>	Mushroom Observer #281329	MH236222.1
<i>Boletus vermiculosoides</i>	S.D. Russell MycoMap 6632	MK560107.1
<i>Butyriboletus huangnianlaii</i>	FHMU 2207	NR_163761.1
<i>Butyriboletus huangnianlaii</i>	N.K.Zeng3245	MH885350.1
<i>Butyriboletus roseoflavus</i>	Arora977	KC184432.1
<i>Butyriboletus roseoflavus</i>	HKAS63609	KJ909518.1
<i>Butyriboletus roseoflavus</i>	HKAS63593	KJ909517.1
<i>Butyriboletus roseoflavus</i>	HKAS54099	KJ909519.1
<i>Butyriboletus yicibus</i>	HKAS57668	KJ909522.1
<i>Butyriboletus yicibus</i>	HKAS 57503	KT002608.1
<i>Butyriboletus yicibus</i>	HKAS56163	KJ909520.1
<i>Butyriboletus yicibus</i>	HKAS68010	KJ909521.1
<i>Cantharellus amethysteus</i>	349/07/284	JN944020.1
<i>Cantharellus cascadenis</i>	OSC 75908	AY041181.1
<i>Cantharellus cibarius</i>	AFTOL-ID 607	DQ200926.1
<i>Cantharellus cibarius</i>	DARD-115	KJ184345.1
<i>Cantharellus cibarius</i>	PKSR7	KF636761.1
<i>Cantharellus cibarius</i>	WA0000071071	DQ200926.1
<i>Cantharellus cibarius</i>	351/07/300	JN944019.1
<i>Cantharellus cibarius</i>	DM1022	MT644929.1
<i>Cantharellus cibarius</i>	CANCIB1	MK029339.1
<i>Cantharellus cibarius</i>	CL-67	MK281467.1
<i>Cantharellus cibarius</i>	LL-01	MT566420.1
<i>Cantharellus cibarius</i>	236	HQ270128.1
<i>Cantharellus cinnabarinus</i>	ASIS24870	KF692074.1
<i>Cantharellus cinnabarinus</i>	GRSM 77031	DQ898692.1
<i>Cantharellus cinnabarinus</i>	BB 07.053	KF294559.1
<i>Cantharellus cinnabarinus</i>	341/O7.120	JN944016.1
<i>Cantharellus cinnabarinus</i>	BA 05.12.24	FR682089.1
<i>Cantharellus decolorans</i>	BB 08.278	KF981367.1
<i>Cantharellus enelensis</i>	Cassia E3 (UWO) haplotype A	KX592717.1
<i>Cantharellus enelensis</i>	Cassia W3	KX592721.1
<i>Cantharellus enelensis</i>	Cassia E3 (UWO) haplotype B	KX592718.1
<i>Cantharellus enelensis</i>	Cassia E5 (UWO)	KX592719.1
<i>Cantharellus flavus</i>	C068	JX030468.1

<i>Cantharellus flavus</i>	CH1	JX030456.1
<i>Cantharellus flavus</i>	C067	JX030467.1
<i>Cantharellus flavus</i>	CH5	JX030457.1
<i>Cantharellus formosus</i>	Sporocarp6-2018	MK673251.1
<i>Cantharellus formosus</i>	JLY2017.05	MH718256.1
<i>Cantharellus formosus</i>	AB17003	MH718255.1
<i>Cantharellus formosus</i>	SAT-13-298-20	KX592752.1
<i>Cantharellus formosus</i>	OSC 76054	AY041184.1
<i>Cantharellus lateritius</i>	MSR4	HQ270122.1
<i>Cantharellus lateritius</i>	161	HQ270121.1
<i>Cantharellus lateritius</i>	119	HQ270117.1
<i>Cantharellus lewisii</i>	1395/BB	MG450669.1
<i>Cantharellus lewisii</i>	394/BB	MG450668.1
<i>Cantharellus lewisii</i>	314/O7.003	JN944021.1
<i>Cantharellus lewisii</i>	PC 314/07.003	NR_120022.1
<i>Cantharellus pallens</i>	1115/BB 12.082	KX907211.1
<i>Cantharellus pallens</i>	1110/BB 12.077	KX907210.1
<i>Cantharellus pallens</i>	997/BB 09.418	KX907206.1
<i>Cantharellus pallens</i>	998/BB 09.430	KX907207.1
<i>Cantharellus pallens</i>	TTS46	MW386299.1
<i>Cantharellus pallens</i>	DM294A	MT773334.1
<i>Cantharellus roseocanus</i>	SAT-12-299-06	KX592757.1
<i>Cantharellus roseocanus</i>	UBC F23802	KX592760.1
<i>Cantharellus roseocanus</i>	CC29	JX030469.1
<i>Cantharellus roseocanus</i>	JLF3397	MK256925.1
<i>Cantharellus roseocanus</i>	GO-2009-270	KC152078.1
<i>Cantharellus roseocanus</i>	JLF6638	MK680154.1
<i>Cantharellus roseocanus</i>	JLF6605	MK680153.1
<i>Cantharellus sebosus</i>	BB 08.162	KF981371.1
<i>Cantharellus sebosus</i>	BB 08.234	KF981370.1
<i>Cantharellus subalbidus</i>	HC-PNNT-252	KT874977.1
<i>Cantharellus subalbidus</i>	HC-PNNT-022	KT874978.1
<i>Cantharellus subincarnatus</i>	BB 06.096	KF981372.1
<i>Cantharellus tabernensis</i>	323/O7.040	JN944013.1
<i>Cantharellus tabernensis</i>	325/07.042	JN944014.1
<i>Cantharellus tricolor</i>	68/06.180	JN944015.1
<i>Gyrodon lividus</i>	REG G11	DQ534568.1
<i>Gyrodon lividus</i>	17191	JF908786.1
<i>Gyroporus cyanescens</i>	NAMA190	EU819495.1
<i>Gyroporus cyanescens</i>	MB05-04	EU718102.1
<i>Gyroporus cyanescens</i>	MCVE:28580	KT363684.1
<i>Harrya chromapes</i>	MQ18R109-QFB30625	MN992166.1
<i>Harrya chromapes</i>	JLF5633	MH191111.1
<i>Harrya chromapes</i>	ITS199	KC552019.1

<i>Hydnum albomagnum</i>	AS231	MH379943.1
<i>Hydnum albomagnum</i>	NAMA2015-050	MH379908.1
<i>Lactarius acicularis</i>	LTH370	HQ318270.1
<i>Lactarius acicularis</i>	KVP08007	HQ318230.1
<i>Lactarius acicularis</i>	LTH265	HQ318277.1
<i>Lactarius acicularis</i>	KVP08002	HQ318226.1
<i>Lactarius acicularis</i>	KVP08033	HQ318242.1
<i>Lactarius akahatsu</i>	sp141	EF685097.1
<i>Lactarius akahatsu</i>	HA4	JX852630.1
<i>Lactarius akahatsu</i>	KUN:F63055	KT163422.1
<i>Lactarius akahatsu</i>	GENT:KW 013	KJ769671.1
<i>Lactarius akahatsu</i>	LTH162	EF141544.1
<i>Lactarius crocatus</i>	KVP08-035	JN388985.1
<i>Lactarius crocatus</i>	KVP08036	HQ318244.1
<i>Lactarius crocatus</i>	KVP08042	HQ318246.1
<i>Lactarius crocatus</i>	KVP08034	HQ318243.1
<i>Lactarius crocatus</i>	LTH245	HQ318234.1
<i>Lactarius crocatus</i>	LTH266	HQ318265.1
<i>Lactarius deliciosus</i>	wrNZ	KY687508.1
<i>Lactarius deliciosus</i>	NZ-Pp	MT397068.1
<i>Lactarius deliciosus</i>	RM Daehncke 3118	KJ769672.1
<i>Lactarius deliciosus</i>	wr98	KY661914.1
<i>Lactarius gerardii</i>	KIINA126	GU258227.1
<i>Lactarius gerardii</i>	D.P.Lewis6983	GU258272.1
<i>Lactarius gerardii</i>	TMI15558	GU258230.1
<i>Lactarius gerardii</i>	X.H.Wang1768	GU258225.1
<i>Lactarius gerardii</i>	A.Verbeke05-283	GU258259.1
<i>Lactarius glaucescens</i>	H.T.Le 66 (GENT)	GU258298.1
<i>Lactarius glaucescens</i>	F:PRL5812	GQ166898.1
<i>Lactarius glaucescens</i>	AV04202gl	HQ318280.1
<i>Lactarius glaucescens</i>	F:PRL5812	GQ166898.1
<i>Lactarius glaucescens</i>	NEHU.MBSR.07	KM282287.1
<i>Lactarius hatsudake</i>	sp159	EF685098.1
<i>Lactarius hatsudake</i>	K62	EF685076.1
<i>Lactarius hatsudake</i>	BH3	JX852624.1
<i>Lactarius hatsudake</i>	hat38541	EF685063.1
<i>Lactarius hatsudake</i>	JN2011-065	KF432967.1
<i>Lactarius hatsudake</i>	wr122	KY661921.1
<i>Lactarius hatsudake</i>	wr86	KY661918.1
<i>Lactarius hatsudake</i>	KY661917.1	KY661917.1
<i>Lactarius hatsudake</i>	FH 12-052	KR364085.1
<i>Lactarius hatsudake</i>	KUN:F83945	KT163424.1
<i>Lactarius hatsudake</i>	LTH167	EF141545.1
<i>Lactarius hengduanensis</i>	XHW2242	KY174922.1

<i>Lactarius hengduanensis</i>	KY174928.1	KY174928.1
<i>Lactarius hengduanensis</i>	XHW3191	KY174927.1
<i>Lactarius hengduanensis</i>	XHW2822	KY174919.1
<i>Lactarius hengduanensis</i>	WR dc40	KY174926.1
<i>Lactarius hengduanensis</i>	WR lt54	KY174924.1
<i>Lactarius hengduanensis</i>	XHW2816	KY174918.1
<i>Lactarius hengduanensis</i>	WR dc39	KY174925.1
<i>Lactarius hygrophoroides</i>	EIU-ASM10004	JQ358910.1
<i>Lactarius hygrophoroides</i>	clone X3_4	JN129397.1
<i>Lactarius hygrophoroides</i>	AV05251hy	HQ318285.1
<i>Lactarius hygrophoroides</i>	EIU-ASM10421	JQ358914.1
<i>Lactarius kesiya</i>	KW210	KR025617.1
<i>Lactarius kesiya</i>	KW219	KR025616.1
<i>Lactarius kesiya</i>	KW346	KF432993.1
<i>Lactarius kesiya</i>	AV12-022	KR025618.1
<i>Lactarius kesiya</i>	KW034	KR025621.1
<i>Lactarius longipilus</i>	LTH273	HQ318276.1
<i>Lactarius longipilus</i>	LTH184	HQ318256.1
<i>Lactarius longipilus</i>	LTH168	HQ318235.1
<i>Lactarius longipilus</i>	LTH206	HQ318258.1
<i>Lactarius pinguis</i>	LTH255	HQ318263.1
<i>Lactarius pinguis</i>	LTH117	HQ318211.1
<i>Lactarius pinguis</i>	SFC20120907-20	MG551741.1
<i>Lactarius pinguis</i>	WA0000072180	MT252532.1
<i>Lactarius piperatus</i>	619	JF908270.1
<i>Lactarius piperatus</i>	M. Lecomte:2001 10 02 15	KF220042.1
<i>Lactarius piperatus</i>	GENT:A. Verbeken 93-023 P1	KF220084.1
<i>Lactarius piperatus</i>	GENT:A. Fraiture 2584	KF220080.1
<i>Lactarius piperatus</i>	M. Lecomte:2000 08 28 41	KF220091.1
<i>Lactarius piperatus</i>	M. Lecomte:2007 06 28 01	KF220085.1
<i>Lactarius piperatus</i>	M. Lecomte:2007 06 28 01	KF220092.1
<i>Lactarius piperatus</i>	M. Lecomte:2003 06 29 01	KF220089.1
<i>Lactarius piperatus</i>	GENT:78111	KF220122.1
<i>Lactarius piperatus</i>	GENT:R. Walley 3064	KF220079.1
<i>Lactarius piperatus</i>	LTH51pip	HQ318281.1
<i>Lactarius piperatus</i>	LTH51pip	HQ318281.1
<i>Lactarius pseudohatsudake</i>	ZJP36	KY174908.1
<i>Lactarius pseudohatsudake</i>	HYJ12	KY174903.1
<i>Lactarius pseudohatsudake</i>	ZQ855	KY174905.1
<i>Lactarius pseudohatsudake</i>	ZQ688	KY174910.1
<i>Lactarius pseudohatsudake</i>	XHW2809	KY174904.1
<i>Lactarius pseudohatsudake</i>	XHW3214	KY174907.1
<i>Lactarius pseudohatsudake</i>	QJ10	KY174900.1
<i>Lactarius pseudohatsudake</i>	ZQ665	KY174902.1

<i>Lactarius pseudohatsudake</i>	ZXT14	KY174901.1
<i>Lactarius pseudohatsudake</i>	QJ23	KY174916.1
<i>Lactarius small</i>	-	KY684136.1
<i>Lactarius small</i>	-	KY684135.1
<i>Lactarius small</i>	-	KY684134.1
<i>Lactarius volemus</i>	LTH264	HQ318264.1
<i>Lactarius volemus</i>	LTH219	HQ318254.1
<i>Lactarius volemus</i>	KVP08032	HQ318241.1
<i>Lactarius volemus</i>	WA0000072261	MT252589.1
<i>Lactarius volemus</i>	KVP08039	HQ318245.1
<i>Lactarius volemus</i>	KVP08026	HQ318238.1
<i>Lactarius volemus</i>	LTH247	HQ318261.1
<i>Lactarius volemus</i>	IB-2019a	HQ318233.1
<i>Lanmaoa pallidorozea</i>	S.D. Russell Mushroom	MN906175.1
<i>Lanmaoa pallidorozea</i>	S.D. Russell MycoMap # 6778	MN906177.1
<i>Lanmaoa pallidorozea</i>	S.D. Russell Mushroom	MN906174.1
<i>Leccinum rugosiceps</i>	Kun2	DQ407250.1
<i>Leccinum rugosiceps</i>	A8	MG383655.1
<i>Leccinum rugosiceps</i>	YNLR-1	KY440111.1
<i>Leccinum rugosiceps</i>	MHHNU 8338	KU518328.1
<i>Lentinus squarrosulus</i>	AO-DEBCR-2	KT207468.1
<i>Lentinus squarrosulus</i>	WCR1201	KT956127.1
<i>Lentinus squarrosulus</i>	JZ26	MG719283.1
<i>Lentinus squarrosulus</i>	AO-DEBCR-3	KT207470.1
<i>Lepista saeva</i>	AH39154	KJ681015.1
<i>Lepista subaequalis</i>	CBS 373.63	MH858311.1
<i>Lyophyllum connatum</i>	Lcxin	HM119488.1
<i>Lyophyllum connatum</i>	MQ17002-QFB29510-HRL2437	MN992619.1
<i>Lyophyllum connatum</i>	CBS 148.50	MH856577.1
<i>Lyophyllum connatum</i>	2386-QFB-25622	KM406963.1
<i>Lyophyllum connatum</i>	SR-32	HE819396.1
<i>Lyophyllum connatum</i>	FR2013242	KP192563.1
<i>Lyophyllum connatum</i>	MQ18R037-QFB30120	MN992226.1
<i>Lyophyllum connatum</i>	1037	MH930131.1
<i>Lyophyllum decastes</i>	Ldec3Q106	JN983983.1
<i>Lyophyllum decastes</i>	Ldec4Q106	JN983978.1
<i>Lyophyllum decastes</i>	Ldec5Q106	JN983982.1
<i>Lyophyllum decastes</i>	Ldec2Q106	JN983980.1
<i>Lyophyllum decastes</i>	Sundberg091007b	HM572549.1
<i>Lyophyllum decastes</i>	Ldec7Q106	JN983981.1
<i>Lyophyllum favrei</i>	BSI94cp2	AF357035.2
<i>Lyophyllum favrei</i>	-	EF421102.1
<i>Lyophyllum favrei</i>	6334	JF908333.1
<i>Lyophyllum fumosum</i>	-	MK209602.1

<i>Lyophyllum fumosum</i>	Lipovac090903	HM572538.1
<i>Lyophyllum fumosum</i>	CA20081030.09	JX280412.1
<i>Lyophyllum fumosum</i>	L2010512371	JX966310.1
<i>Lyophyllum fumosum</i>	L2010512370	JX966309.1
<i>Lyophyllum fumosum</i>	Sundberg090813	HM572537.1
<i>Lyophyllum fumosum</i>	LAS00-144	HM572541.1
<i>Lyophyllum fumosum</i>	SJ02-006	HM572539.1
<i>Lyophyllum fumosum</i>	CB08330	KT875064.1
<i>Lyophyllum fumosum</i>	Aase810721	HM572540.1
<i>Lyophyllum fumosum</i>	AR09641	KT875066.1
<i>Lyophyllum infumatu</i>	FR2014003	KP192584.1
<i>Lyophyllum infumatu</i>	FR2014070	KP192627.1
<i>Lyophyllum infumatu</i>	FR2013200	KP192537.1
<i>Lyophyllum infumatu</i>	FR2014026	KP192575.1
<i>Lyophyllum infumatu</i>	284487	MN173357.1
<i>Lyophyllum infumatu</i>	FR2013256	KP192568.1
<i>Lyophyllum leucopha</i>	FR2014021	KP192606.1
<i>Lyophyllum leucopha</i>	HMAS 290452	MK966520.1
<i>Lyophyllum leucopha</i>	FR2014002	KP192581.1
<i>Lyophyllum leucopha</i>	HMAS 290357	MK966521.1
<i>Lyophyllum moncalvo</i>	96328	KJ461904.1
<i>Lyophyllum moncalvo</i>	102581	KJ461912.1
<i>Lyophyllum moncalvo</i>	72796	KJ461890.1
<i>Lyophyllum moncalvo</i>	96332	KJ461906.1
<i>Lyophyllum shimeji</i>	haukebo1982	HM572529.1
<i>Lyophyllum shimeji</i>	Olsen821006	HM572530.1
<i>Lyophyllum shimeji</i>	SAT-10-238-15	MT955155.1
<i>Lyophyllum shimeji</i>	Olausson090922	HM572533.1
<i>Lyophyllum shimeji</i>	Sundberg090813b	HM572532.1
<i>Lyophyllum shimeji</i>	Sundberg091007	HM572528.1
<i>Lyophyllum shimeji</i>	Sundberg090813c	HM572535.1
<i>Lyophyllum shimeji</i>	Sundberg090813c	HM572525.1
<i>Lyophyllum shimeji</i>	Lipovac090911	HM572534.1
<i>Lyophyllum shimeji</i>	Antilla090921	HM572526.1
<i>Lyophyllum shimeji</i>	Eilertsen090908	HM572531.1
<i>Lyophyllum shimeji</i>	Fallman090927	HM572536.1
<i>Lyophyllum shimeji</i>	Karlsson090915	HM572527.1
<i>Lyophyllum shimeji</i>	L2010512377	JX966311.1
<i>Neoboletus multipunctatus</i>	N.K.Zeng3324	MK061359.1
<i>Neoboletus multipunctatus</i>	FHMU 1620	NR_163762.1
<i>Paxillus adelphus</i>	See09.1	KU163507.1
<i>Paxillus adelphus</i>	ALB09.10	KU163468.1
<i>Paxillus adelphus</i>	Tec08.1	KU163510.1
<i>Paxillus rubicundulus</i>	-	NR_147640.1

<i>Paxillus rubicundulus</i>	Orton2905	KU163502.1
<i>Paxillus rubicundulus</i>	LBH08.m1	KU163493.1
<i>Phlebopus portentosus</i>	H-01-3-1	GQ253574.1
<i>Phlebopus portentosus</i>	FG-RZS5	MN962564.1
<i>Phlebopus portentosus</i>	FG-YX2	MT272131.1
<i>Phlebopus portentosus</i>	FG-YX4	MN962546.1
<i>Pulveroboletus flaviscabrosus</i>	-	NR_154348.1
<i>Pulveroboletus flaviscabrosus</i>	HKAS83190	KX453802.1
<i>Pulveroboletus flaviscabrosus</i>	HKAS82616	KX453801.1
<i>Pulveroboletus macrosporus</i>	G.L.Zhang051	KX453813.1
<i>Pulveroboletus macrosporus</i>	HKAS58867	KX453815.1
<i>Pulveroboletus reticulopileus</i>	HKAS 80851	KX453809.1
<i>Pulveroboletus reticulopileus</i>	S.D.Yang112	KX453808.1
<i>Retiboletus fuscus</i>	FHMU1403	MH367481.1
<i>Retiboletus fuscus</i>	FHMU1386	MH367480.1
<i>Retiboletus fuscus</i>	FHMU1454	MH367482.1
<i>Rubroboletus haematinus</i>	JLF2905	KT122394.1
<i>Rubroboletus haematinus</i>	OSC 114190	KT122391.1
<i>Rubroboletus haematinus</i>	DN1714	KT122393.1
<i>Rubroboletus haematinus</i>	JLF1343	KX610678.1
<i>Russula aeruginea</i>	2010BT144	MT738283.1
<i>Russula aeruginea</i>	LAH35404	MT738282.1
<i>Russula aeruginea</i>	ANT152-QFB28552	MN992507.1
<i>Russula andaluciana</i>	39239 (AH)	MK105629.1
<i>Russula andaluciana</i>	BM360	MK105627.1
<i>Russula andaluciana</i>	39198	MK105628.1
<i>Russula atroglauc</i>	SAV F-2166	MT738275.1
<i>Russula atroglauc</i>	SAV F-3066	MT738274.1
<i>Russula atroglauc</i>	JK RUS 11092701	MT738273.1
<i>Russula atroglauc</i>	SAV F-20375	MT738272.1
<i>Russula cf.virescen</i>	NXS61	MT333229.1
<i>Russula cf.virescen</i>	SZ6_19	KC598395.1
<i>Russula cf.virescen</i>	HMJAU 38017	KY681441.1
<i>Russula cf.virescen</i>	NH5_15	KC598474.1
<i>Russula cf.virescen</i>	YP7_12	KC598360.1
<i>Russula cf.virescen</i>	SM1_3	KC598387.1
<i>Russula cf.virescen</i>	HBAU15016	MT337532.1
<i>Russula cf.virescen</i>	NXS81	MT333230.1
<i>Russula cf.virescen</i>	HQR128	MT333231.1
<i>Russula cf.virescen</i>	HBAU15019	MT337531.1
<i>Russula cf.virescen</i>	ASIS21606	KF668302.1
<i>Russula cf.virescen</i>	RMUKK30	KX267660.1
<i>Russula cf.virescen</i>	HBAU15010	MT337530.1
<i>Russula cf.virescen</i>	HBAU15008	MT337528.1

<i>Russula cf.virescen</i>	HBAU15013	MT337529.1
<i>Russula cyanoxantha</i>	FH 12-201	KR364093.1
<i>Russula delica</i>	UBC:F30263	KX812842.1
<i>Russula delica</i>	FH12-272	KF432955.1
<i>Russula heterophyll</i>	209RUF24	AY061681.1
<i>Russula heterophyll</i>	OTU1090	MT594671.1
<i>Russula ionochlora</i>	DNA909	HM189875.1
<i>Russula ionochlora</i>	LUGO:ECC17061003	MW376708.1
<i>Russula ionochlora</i>	DNA871	HM189874.1
<i>Russula ionochlora</i>	FH 2010 BT141	MT738289.1
<i>Russula ionochlora</i>	FH 2009 BT01	MT738288.1
<i>Russula ionochlora</i>	040904-02TT	HQ604836.1
<i>Russula mariae</i>	PC BB2004-213	EU598199.1
<i>Russula mariae</i>	SAV_F-4484	MT017557.1
<i>Russula mariae</i>	SAV_F-4564	MT017559.1
<i>Russula mariae</i>	SAV_F-4493	MT017558.1
<i>Russula mariae</i>	JMP0063	EU819426.1
<i>Russula parazurea</i>	KR-M-0044754	MT005917.1
<i>Russula parazurea</i>	12	MN663162.1
<i>Russula parazurea</i>	MF01.10.2003	DQ422007.1
<i>Russula parvoviresc</i>	AG_15_756	MG934209.1
<i>Russula parvoviresc</i>	AG_16_1223	AY061727.1
<i>Russula parvoviresc</i>	-	MF193345.1
<i>Russula prasina</i>	HMAS 279805	MH454352.1
<i>Russula prasina</i>	HMAS 279806	MH454353.1
<i>Russula prasina</i>	HMAS 281232	MH454351.1
<i>Russula substriata</i>	XHW4766	MH724921.1
<i>Russula substriata</i>	XHW4767	MH724922.1
<i>Russula substriata</i>	WJ292	MH724919.1
<i>Russula substriata</i>	XHW4785	MH724923.1
<i>Russula substriata</i>	XHW4749	MH724920.1
<i>Russula vesca</i>	M8	MT469923.1
<i>Russula vesca</i>	654	JF908645.1
<i>Russula vesca</i>	31	JF908637.1
<i>Russula vesca</i>	210RUS24	AY061723.1
<i>Russula violeipes</i>	208IS76	AY061726.1
<i>Russula violeipes</i>	1792	JF908655.1
<i>Russula viridicinna</i>	HBAU15018	MT337525.1
<i>Russula viridicinna</i>	HBAU15014	MT337524.1
<i>Russula viridicinna</i>	FQM128	MT333232.1
<i>Russula viridicinna</i>	HBAU15009	MT337523.1
<i>Russula viridicinna</i>	HFJAU0624	MN258683.1
<i>Russula viridirubrolimbata</i>	HBAU15011	MT337526.1
<i>Russula viridirubrolimbata</i>	HBAU15020	MT337527.1

<i>Russula xanthoviren</i>	B17091630	MG786055.1
<i>Russula xanthoviren</i>	H15060611	MG786056.1
<i>Stereum hirsutum</i>	CBS 930.70	MH860009.1
<i>Stereum hirsutum</i>	SKU512	HM004553.1
<i>Suillellus subvelutipes</i>	RAS451	MT196984.1
<i>Suillellus subvelutipes</i>	CNV13	MT345190.1
<i>Suillellus subvelutipes</i>	NS082512	KX610675.1
<i>Suillellus subvelutipes</i>	Observer #285181	MH244205.1
<i>Suillus pictus</i>	SFC20120922-06	KJ415103.1
<i>Suillus pictus</i>	SFC20120922-06	KU059624.1
<i>Termitomyces bulborhizus</i>	-	HM230663.1
<i>Termitomyces clypeatus</i>	MU19-50	FJ147329.1
<i>Termitomyces clypeatus</i>	MU5-50ssiM16-type2	FJ147330.1
<i>Termitomyces clypeatus</i>	strain MU5-50ssiM31-type1	FJ147331.1
<i>Termitomyces clypeatus</i>	MU5-50ssiM32-type2	FJ147332.1
<i>Termitomyces clypeatus</i>	MU5-50ssiM33-type1	FJ147333.1
<i>Termitomyces clypeatus</i>	MU26-49	GU967667.1
<i>Termitomyces clypeatus</i>	MU27-49	GU967668.1
<i>Termitomyces clypeatus</i>	MU3-51	GU967669.1
<i>Termitomyces clypeatus</i>	MU4-51	GU967670.1
<i>Termitomyces clypeatus</i>	MU7-51	GU967671.1
<i>Termitomyces eurhizus</i>	-	AF321366.1
<i>Termitomyces eurhizus</i>	isolate D13	KC414235.1
<i>Termitomyces eurhizus</i>	isolate J5	KC414254.1
<i>Termitomyces heimii</i>	strain JMleg.MUIDs.n	AF357022.2
<i>Termitomyces heimii</i>	PUN4243	JQ928938.1
<i>Termitomyces heimii</i>	-	HM230662.1
<i>Termitomyces radicans</i>	-	HM230660.1
<i>Termitomyces striatus</i>	-	AF321367.1
<i>Thelephora anthocephala</i>	RA711-8	MK234216.1
<i>Thelephora anthocephala</i>	UBC F28410	KP454019.1
<i>Thelephora anthocephala</i>	NSK 1014540	MT773612.1
<i>Thelephora anthocephala</i>	src614	DQ974771.1
<i>Thelephora caryophyllea</i>	IB60087	EF655705.1
<i>Thelephora caryophyllea</i>	ELarsson89-09	MK602776.1
<i>Thelephora caryophyllea</i>	MQ17162-QFB29670	MN992647.1
<i>Thelephora caryophyllea</i>	MQ18R032-QFB30115	MN992284.1
<i>Thelephora caryophyllea</i>	RA711-8	MN992284.1
<i>Thelephora ganbajun</i>	JN1-6	KY245122.1
<i>Thelephora ganbajun</i>	JN1-13	KY245113.1
<i>Thelephora ganbajun</i>	YL3-13	KY245258.1
<i>Thelephora ganbajun</i>	S108	KY245180.1
<i>Thelephora ganbajun</i>	YL3-4	KY245264.1
<i>Thelephora ganbajun</i>	YL3-1	KY245254.1

<i>Thelephora ganbajun</i>	JN1-2	KY245119.1
<i>Thelephora ganbajun</i>	JN1-14	KY245114.1
<i>Thelephora ganbajun</i>	Gb001	EU696791.1
<i>Thelephora ganbajun</i>	JN1-9	KY245124.1
<i>Thelephora ganbajun</i>	JN1-7	KY245123.1
<i>Thelephora ganbajun</i>	GJ1-7	KY245107.1
<i>Thelephora ganbajun</i>	JN1-16	KY245116.1
<i>Thelephora ganbajun</i>	Gb259	EU696927.1
<i>Thelephora palmata</i>	UBC:F33078	MF908479.1
<i>Thelephora palmata</i>	JLF3733	MK847520.1
<i>Thelephora palmata</i>	HA27	KR019858.1
<i>Thelephora palmata</i>	JMP0085	EU819443.1
<i>Thelephora pseudoversatilis</i>	UNAM:FCME26138	KJ462503.1
<i>Thelephora pseudoversatilis</i>	11H2-2	KU530338.1
<i>Thelephora pseudoversatilis</i>	UNAM:FCME26152	KJ462486.1
<i>Thelephora pseudoversatilis</i>	FCME 26232	JX075890.1
<i>Thelephora terrestris</i>	ecmTel	JX679367.1
<i>Thelephora terrestris</i>	D. 1-IBL	FJ532478.1
<i>Thelephora terrestris</i>	OTU: KGP22	DQ822828.1
<i>Thelephora terrestris</i>	CBS 703.85	MH861911.1
<i>Thelephora versatilis</i>	UNAM:FCME26141	KJ462504.1
<i>Thelephora versatilis</i>	UNAM:FCME26247	KJ462502.1
<i>Thelephora versatilis</i>	UNAM:FCME26144	KJ462501.1
<i>Thelephora versatilis</i>	MEXU:26359	KJ462500.1
<i>Thelephora vialis</i>	Fire Survey 569	MN121029.1
<i>Thelephora vialis</i>	NAMA 2015-276	MN121022.1
<i>Thelephora vialis</i>	Fire Survey 147	MH910560.1
<i>Tylopilus balloui</i>	CMU51-SL-39	KX017306.1
<i>Tylopilus balloui</i>	CMU51-SL-37	KX017305.1
<i>Tylopilus balloui</i>	CMU51-SL-42	KX017307.1
<i>Tylopilus balloui</i>	CMU51-SL-32	KX017304.1
<i>Tylopilus neofelleus</i>	DC 16-64	MG777524.1
<i>Tylopilus neofelleus</i>	YT20090720	KM975489.1
<i>Tylopilus neofelleus</i>	MHHNU 8354	MK253785.1
<i>Tylopilus virens</i>	Kun16	DQ407256.1
<i>Tylopilus virens</i>	-	KX017308.1
<i>Tylopilus virens</i>	HE2757	KC505585.1
<i>Tylopilusneofelleus</i>	DC 16-63	MG777523.1
<i>Xerocomellus redeuilhii</i>	STU:20121007GS10074	KX905051.1
<i>Xerocomellus redeuilhii</i>	1999/0901	KU721024.1
<i>Xerocomellus redeuilhii</i>	1999/1057	KU721023.1
<i>Xerocomellus redeuilhii</i>	FBozok00136	MH472623.1
<i>Xerocomellus redeuilhii</i>	ML411142XE	MH011842.1
<i>Xerocomellus redeuilhii</i>	ML610102XR	MH011929.1

<i>Xerocomus ferrugineus</i>	PNGS/306	KX882676.1
<i>Xerocomus ferrugineus</i>	WU 39588	MT644941.1
<i>Xerocomus ferrugineus</i>	SAT-10-238-19	MT955158.1
<i>Xerocomus ferrugineus</i>	SAT-16-237-02	MT955157.1
<i>Xerocomus ferrugineus</i>	MQ18R259-QFB30775	MN992288.1
