

Supplementary Table S1. Data of the ITS sequences from the endophytic fungal strains of *Q. castanea* and *Q. obtusata*.

Oak species	Fungal Strain Code	GenBank Accession Number	BLASTn Species	Sequence Identity (%)	Closest Sequence Accession Number	Phylogeny assignment
<i>Quercus castanea</i>	CY9	PX884097	<i>Alternaria doliconidium</i>	99.8	NR_158361.1	<i>Alternaria gaisen</i>
	CC15	PX884099	<i>Alternaria doliconidium</i>	100.0	NR_158361.1	<i>Alternaria</i> sp.
	CY6	PX884096	<i>Alternaria destruens</i>	99.4	NR_137143.1	<i>Alternaria doliconidium</i>
	CY18	PX884098	<i>Alternaria destruens</i>	99.8	NR_137143.1	<i>Alternaria doliconidium</i>
	CY24	PX884100	<i>Apiospora intestini</i>	96.7	NR_154698.1	<i>Apiospora</i> sp.
	CE1	PX884103	<i>Aspergillus fumigatus</i>	99.5	NR_121481.1	<i>Aspergillus</i> sp. 1
	CY25	PX884107	<i>Chaetomium subaffine</i>	99.8	NR_144825.1	<i>Chaetomium</i> sp.
	CC9	PX884108	<i>Cladosporium chasmanthicola</i>	99.8	NR_152307.1	<i>Cladosporium pseudocladosporioides</i>
	CE5	PX884111	<i>Colletotrichum phyllanthi</i>	100.0	NR_111698.1	<i>Colletotrichum phyllanthi</i>
	CC8	PX884112	<i>Curvularia lunata</i>	98.6	NR_138223.1	<i>Curvularia</i> sp. 1
	CY14	PX884113	<i>Curvularia pseudobrachyspora</i>	99.3	NR_164423.1	<i>Curvularia aeria</i>
	CE6	PX884115	<i>Daldinia bambusicola</i>	94.1	NR_152464.1	<i>Daldinia</i> sp. 1
	CJ5	PX884116	<i>Daldinia bambusicola</i>	93.8	NR_152464.1	<i>Daldinia</i> sp. 2
	CJ10	PX884122	<i>Diaporthe caatingaensis</i>	98.0	NR_168159.1	<i>Diaporthe</i> sp. 3
	CJ9	PX884123	<i>Diaporthe caatingaensis</i>	97.9	NR_168159.1	<i>Diaporthe</i> sp. 2
	CC4	PX884125	<i>Diplodia corticola</i>	99.8	NR_111152.1	<i>Diplodia corticola</i>
	CL2	PX884127	<i>Diplodia sapinea</i>	99.8	NR_152452.1	<i>Diplodia</i> sp.
	CL11	PX884128	<i>Epicoccum dendrobii</i>	99.8	NR_158261.1	<i>Epicoccum dendrobii</i>
	CY8	PX884130	<i>Epicoccum italicum</i>	99.8	NR_158264.1	<i>Epicoccum italicum</i>
	CY20	PX884132	<i>Epicoccum thailandicum</i>	99.2	NR_152926.1	<i>Epicoccum</i> sp. 2
	CC13	PX884131	<i>Epicoccum thailandicum</i>	99.2	NR_152926.1	<i>Epicoccum</i> sp. 1
	CL14	PX884133	<i>Fusarium inflexum</i>	98.8	NR_152941.1	<i>Fusarium cugenangense</i>
	CJ6	PX884137	<i>Gnomoniopsis smithogilvyi</i>	93.7	NR_166040.1	<i>Gnomoniopsis</i> sp. 2
	CJ8	PX884138	<i>Gnomoniopsis smithogilvyi</i>	94.3	NR_166040.1	<i>Gnomoniopsis</i> sp. 2
	CE2	PX884136	<i>Gnomoniopsis smithogilvyi</i>	93.9	NR_166040.1	<i>Gnomoniopsis</i> sp. 2
	CE10	PX884135	<i>Gnomoniopsis paraclavulata</i>	99.2	NR_137003.1	<i>Gnomoniopsis</i> sp. 1
	CL1	PX884142	<i>Hypoxyton griseobrunneum</i>	99.4	NR_155184.1	<i>Hypoxyton</i> sp. 2
	CY28	PX884140	<i>Hypoxyton fraxinophilum</i>	84.2	NR_172224.1	<i>Hypoxyton</i> sp. 3
	CE12	PX884149	<i>Neofusicoccum italicum</i>	99.6	NR_168164.1	<i>Neofusicoccum</i> sp. 2
	CJ7	PX884145	<i>Neofusicoccum italicum</i>	99.6	NR_168164.1	<i>Neofusicoccum</i> sp. 1
	CE14	PX884156	<i>Neurospora tetraspora</i>	99.1	NR_077163.1	<i>Neurospora</i> sp. 1
	CY5	PX884154	<i>Neurospora dictyophora</i>	98.5	NR_163513.1	<i>Neurospora</i> sp. 2
	CE17	PX884157	<i>Nigrospora hainanensis</i>	99.6	NR_153480.1	<i>Nigrospora</i> sp. 2
	CY12	PX884158	<i>Nigrospora hainanensis</i>	99.8	NR_153480.1	<i>Nigrospora</i> sp. 2
	CY11	PX884159	<i>Nigrospora magnoliae</i>	97.8	NR_172443.1	<i>Nigrospora sphaerica</i>
	CJ2	PX884163	<i>Nigrospora osmanthi</i>	99.6	NR_153474.1	<i>Nigrospora sphaerica</i>
	CY23	PX884167	<i>Nodulisporium verrucosum</i>	98.8	NR_175083.1	<i>Nodulisporium</i> sp.
	CL10	PX884166	<i>Nodulisporium verrucosum</i>	99.2	NR_175083.1	<i>Nodulisporium</i> sp.

<i>Quercus obtusata</i>	CL3	PX884151	<i>Pestalotiopsis parva</i>	99.6	NR_145237.1	<i>Pestalotiopsis sp. 1</i>
	CY16	PX884174	<i>Preussia persica</i>	98.3	NR_137730.1	<i>Preussia sp.</i>
	CJ3	PX884175	<i>Sordaria equicola</i>	98.5	NR_173047.1	<i>Sordaria sp.</i>
	CE16	PX884176	<i>Talaromyces adpressus</i>	99.4	NR_171595.1	<i>Talaromyces adpressus</i>
	CY22	PX884177	<i>Tricharina praecox</i>	88.4	NR_103690.1	<i>Tricharina sp.</i>
	CY7	PX884179	<i>Trichoderma rifaïi</i>	99.6	NR_137305.1	<i>Trichoderma sp. 1</i>
	CY13	PX884180	<i>Tubakia seoraksanensis</i>	98.6	NR_165992.1	<i>Tubakia suttoniana</i>
	CL18	PX884181	<i>Tubakia seoraksanensis</i>	98.6	NR_165992.1	<i>Tubakia suttoniana</i>
	CY15	PX884182	<i>Tubakia seoraksanensis</i>	97.5	NR_165992.1	<i>Tubakia sp.</i>
	CJ4	PX884183	<i>Xylaria ellisii</i>	89.3	NR_172972.1	<i>Xylaria sp. 1</i>
	CL9	PX884186	<i>Xylaria wallichii</i>	94.3	NR_184978.1	<i>Xylaria sp. 3</i>
	CE4	PX884189	<i>Xylaria wallichii</i>	93.9	NR_184978.1	<i>Xylaria sp. 4</i>
	CE11	PX884188	<i>Xylaria wallichii</i>	94.2	NR_184978.1	<i>Xylaria sp. 4</i>
	OY18	PX884095	<i>Alternaria destruens</i>	99.4	NR_137143.1	<i>Alternaria doliconidium</i>
	OL11	PX884101	<i>Apiosordaria yaeyamensis</i>	94.9	NR_175053.1	<i>Cladorrhinum sp.</i>
	OY9	PX884102	<i>Aspergillus aflatoxiformans</i>	99.6	NR_171606.1	<i>Aspergillus sp. 2</i>
	OY13	PX884104	<i>Biscogniauxia dendrobii</i>	91.3	NR_172733.1	<i>Biscogniauxia mediterranea</i>
	OE10	PX884106	<i>Chaetomium pseudoglobosum</i>	99.6	NR_144854.1	<i>Chaetomium pseudoglobosum</i>
	OL7	PX884105	<i>Chaetomium nepalense</i>	98.2	NR_159782.1	<i>Chaetomium globosum</i>
	OY19	PX884110	<i>Colletotrichum phyllanthi</i>	99.6	NR_111698.1	<i>Colletotrichum karsti</i>
	OJ10	PX884109	<i>Colletotrichum cobbittense</i>	99.4	NR_163538.1	<i>Colletotrichum jiangxiense</i>
	OC9-2	PX884114	<i>Curvularia pseudointermedia</i>	96.3	NR_170007.1	<i>Curvularia sp. 2</i>
	OJ2	PX884117	<i>Daldinia korfii</i>	97.0	NR_152500.1	<i>Daldinia sp. 4</i>
	OE8	PX884119	<i>Daldinia korfii</i>	97.1	NR_152500.1	<i>Daldinia sp. 3</i>
	OL12	PX884120	<i>Daldinia korfii</i>	97.2	NR_152500.1	<i>Daldinia sp. 5</i>
	OL4	PX884118	<i>Daldinia korfii</i>	97.2	NR_152500.1	<i>Daldinia sp. 5</i>
	OJ1	PX884124	<i>Diaporthe caatingaensis</i>	98.0	NR_168159.1	<i>Diaporthe sp. 3</i>
	OY2	PX884121	<i>Diaporthe brasiliensis</i>	97.8	NR_111844.1	<i>Diaporthe sp. 1</i>
	OC2-2	PX884126	<i>Diplodia corticola</i>	99.8	NR_111152.1	<i>Diplodia corticola</i>
	OY21	PX884129	<i>Epicoccum thailandicum</i>	99.6	NR_152926.1	<i>Epicoccum catenisporum</i>
	OC1	PX884134	<i>Gnomoniopsis paraclavulata</i>	99.2	NR_137003.1	<i>Gnomoniopsis sp. 1</i>
	OY4	PX884141	<i>Hypoxyton blackburniae</i>	94.1	NR_182618.1	<i>Hypoxyton sp. 1</i>
	OY12	PX884143	<i>Hypoxyton blackburniae</i>	94.3	NR_182618.1	<i>Hypoxyton sp. 1</i>
	OY11	PX884139	<i>Hypoxyton fraxinophilum</i>	83.5	NR_172224.1	<i>Hypoxyton sp. 3</i>
	OJ6	PX884144	<i>Murinectria vaileae</i>	98.5	NR_185823.1	<i>Nectria pseudotrichia</i>
	OL6	PX884148	<i>Neofusicoccum italicum</i>	99.4	NR_168164.1	<i>Neofusicoccum sp. 2</i>
	OJ3	PX884147	<i>Neofusicoccum italicum</i>	99.6	NR_168164.1	<i>Neofusicoccum sp. 2</i>
	OE11	PX884146	<i>Neofusicoccum italicum</i>	100.0	NR_168164.1	<i>Neofusicoccum italicum</i>
	OC9	PX884152	<i>Pestalotiopsis grevilleae</i>	99.3	NR_147548.1	<i>Pestalotiopsis sp. 1</i>
	OL14	PX884153	<i>Pestalotiopsis kenyana</i>	99.6	NR_147549.1	<i>Pestalotiopsis sp. 2</i>
	OY22	PX884150	<i>Neopestalotiopsis cocois</i>	99.4	NR_156312.1	<i>Neopestalotiopsis sp.</i>

OY5	PX884155	<i>Neurospora tetraspora</i>	99.1	NR_077163.1	<i>Neurospora sp. 1</i>
OL8	PX884162	<i>Neurospora tetraspora</i>	99.1	NR_077163.1	<i>Neurospora sp. 1</i>
OY3	PX884164	<i>Nigrospora rubi</i>	99.6	NR_153470.1	<i>Nigrospora sp. 1</i>
OE2	PX884161	<i>Nigrospora osmanthi</i>	99.6	NR_153474.1	<i>Nigrospora sp. 3</i>
OY7	PX884160	<i>Nigrospora magnoliae</i>	97.7	NR_172443.1	<i>Nigrospora sphaerica</i>
OY16	PX884165	<i>Nodulisporium verrucosum</i>	98.8	NR_175083.1	<i>Nodulisporium sp.</i>
OY10	PX884169	<i>Nodulisporium verrucosum</i>	99.0	NR_175083.1	<i>Nodulisporium sp.</i>
OL3	PX884170	<i>Nodulisporium verrucosum</i>	99.0	NR_175083.1	<i>Nodulisporium sp.</i>
OJ4	PX884168	<i>Nodulisporium verrucosum</i>	99.0	NR_175083.1	<i>Nodulisporium sp.</i>
OL10	PX884172	<i>Penicillium crustosum</i>	99.6	NR_077153.1	<i>Penicillium sp.2</i>
OE6	PX884171	<i>Penicillium citrinum</i>	99.6	NR_121224.1	<i>Penicillium sp. 1</i>
OC10	PX884173	<i>Phyllosticta capitalensis</i>	99.7	NR_144914.1	<i>Phyllosticta capitalensis</i>
OY15	PX884178	<i>Trichoderma atroviride</i>	99.5	NR_077207.1	<i>Trichoderma sp. 2</i>
OJ7	PX884184	<i>Xylaria ellisii</i>	89.4	NR_172972.1	<i>Xylaria sp. 2</i>
OE1	PX884187	<i>Xylaria wallichii</i>	93.8	NR_184978.1	<i>Xylaria sp. 3</i>
OY20	PX884185	<i>Xylaria wallichii</i>	93.8	NR_184978.1	<i>Xylaria sp. 4</i>
