

**Supplement Table 1.** Ectomycorrhizal fungi recorded in the young pedunculate oak stand from the Morović site identified on the basis of morpho-anatomical characteristics and molecular methods (based on the similarity with the sequences from publicly available nucleotide databases (GenBank and UNITE) and their absolute / relative (%) abundance. Sequences were last compared to nucleotide databases on 15<sup>th</sup> September 2021.

Fungal partner in ectomycorrhiza based on morpho-anatomical and molecular characterization/	GenBank accession number of three best DNA based hits and the percentage of identity/	UNITE accession number of best DNA based hits and the percentage of identity/	Morpho-anatomical characterization/	Absolute abundance (number of ectomycorrhizal tips)/	Relative abundance in % (Classification <sup>**</sup> )
<i>Cenococcum geophilum</i> Fr.	/	/	<i>Cenococcum geophilum</i>	134	6.2 often
<i>Hebeloma sacchariolens</i> Quéł.	<i>Hebeloma sacchariolens</i> KX905036.1 100%; <i>Hebeloma sacchariolens</i> KT218216.1 100%; <i>Hebeloma sacchariolens</i> KC110684.1 100%	<i>Hebeloma spoliatum</i> <a href="#">UDB031045</a> 100%; <i>Hebeloma sacchariolens</i> <a href="#">UDB024330</a> 100%; Envir: <i>Hebelomataceae</i> <a href="#">UDB017392</a> 100%		27	1.3 occasional
<i>Russula cf. odorata</i> Romagn.	<i>Russula cf. odorata</i> KX905045.1 99.5%; <i>Russula cf. odorata</i> KX905043.1 99.3%; <i>Russula sp.</i> MF352767.1 99.5%	<i>Russula odorata</i> UDB000916 *; Envir: <i>Russula</i> <a href="#">UDB0312972</a> 99%; Envir: <i>Russula</i> <a href="#">UDB0103759</a> 99%	<i>Russula sp.</i>	210	9.8 often
<i>Russula insignis</i> Quéł.	<i>Russula insignis</i> MG687349.1 100%; <i>Russula livescens</i> JN129398.1 99.7%; Uncultured <i>Russula</i> MF405768.1 99.5%	<i>Russula</i> <a href="#">UDB000894</a> 99%; <i>Russula hortensis</i> <a href="#">UDB031186</a> 99%; <i>Russula subfoetens</i> <a href="#">UDB016206</a> 95%	<i>Russula sp.</i>	52	2.4 occasional
<i>Russula lilacea</i> Quéł.	<i>Russula lilacea</i> MW286833.1 100%; <i>Russula lilacea</i> JN944005.1 100%; <i>Russula lilacea</i> KY509453.1 99.8%	<i>Russula lilacea</i> <a href="#">UDB036174</a>   100%; <i>Russula lilacea</i> <a href="#">UDB035879</a> 100%; <i>Russula lilacea</i> <a href="#">UDB022532</a> *	<i>Russula sp.</i>	161	7.5 often
<i>Russula pectinatoides</i> Peck.	<i>Russula pectinatoides</i> MG679820.1 99.7%; <i>Russula sp.</i> KM576536.1 99.7%;	Envir: <i>Russula</i> <a href="#">UDB0762777</a> 100%; Envir: <i>Russula</i> <a href="#">UDB026732</a> 99%;	<i>Russula sp.</i>	42	2.0 occasional

	<i>Russula pectinatoides</i> JF908639.1 99.7%	<i>Russula</i> <a href="#">UDB023690</a> 99%			
<i>Scleroderma bovista</i> Fr.	<i>Scleroderma bovista</i> MF161249.1 99.7%; Uncultured <i>Scleroderma</i> GU055525.1 99.5%; <i>Scleroderma</i> sp. MG973282.1 99.8%	<i>Scleroderma bovista</i> <a href="#">UDB027996</a> 100%; <i>Scleroderma bovista</i> <a href="#">UDB031995</a> 99%; <i>Scleroderma bovista</i> <a href="#">UDB031441</a> 99%		81	3.8 often
<i>Entoloma</i> sp.	Uncultured <i>Entoloma</i> isolate SL46_SPL1_001 MG720477.1 95.4%; Uncultured <i>Entoloma</i> clone 14052 MW282711.1 95.4%; Uncultured <i>Entoloma</i> clone 14128 MW282701.1 95.4%	Envir: <i>Entoloma</i> <a href="#">UDB027156</a> 95%; Envir: <i>Entoloma</i> <a href="#">UDB0271380</a> 96%; <a href="#">UDB0342247</a> Envir: <i>Entoloma</i> 95%		442	20.6 frequent
<i>Humaria</i> sp.	<i>Humaria</i> sp. KM576484.1 100%; Vouchered <i>mycorrhizae</i> ( <i>Humaria</i> sp.) EU024888.1 100%; Vouchered <i>mycorrhizae</i> ( <i>Humaria</i> ) EU024886.1 99,3%	Envir: <i>Humaria</i> / <a href="#">UDB026028</a> 100%; Envir: <i>Humaria</i> <a href="#">UDB005252</a> 99%; Envir: <i>Humaria</i> <a href="#">UDB026025</a> 99%		141	6.6 often
<i>Inocybe</i> sp.	Uncultured <i>Inocybe</i> HF675440.1 99.8%; Uncultured <i>Inocybe</i> HF675449.1 99.6%; <i>Inocybe</i> sp. LM2767 KM576456.1 99.5%	Envir: <i>Inocybe</i> <a href="#">UDB0561437</a> 99%; Envir: <i>Inocybe</i> <a href="#">UDB0398256</a> 99%; Envir: <i>Inocybe</i> <a href="#">UDB0325927</a> 99%	<i>Inocybe</i> sp.	6	0.3 rare
<i>Laccaria</i> sp.	<i>Laccaria</i> sp. voucher LMKR587 MF352719.1 99.8%; KU685653.1 <i>Laccaria</i> sp. voucher GMM7028 99.8%; <i>Laccaria</i> <i>macrocystidia</i>	<i>Laccaria laccata</i> / <a href="#">UDB038028</a> 99%; <i>Laccaria laccata</i> <a href="#">UDB031993</a> 99%; <i>Laccaria laccata</i> <a href="#">UDB015789</a> 99%		129	6.0 often

	KM067856.1 99.8%; <i>Laccaria laccata</i> KM067834.1 99.8%;				
<i>Tomentella</i> sp. 1	Uncultured <i>Tomentella</i> JX625364.1 99.6%; Uncultured <i>Tomentella</i> MK285889.1 98.6%; Uncultured <i>Tomentella</i> JF506817.1 98.6%	Envir: <i>Tomentella</i> <a href="#">UDB014583</a> 100%; Envir: Thelephoraceae <a href="#">UDB014582</a> 100%; Envir: Thelephoraceae <a href="#">UDB013704</a> 100%	<i>Tomentella</i> sp.	158	7.4 often
<i>Tomentella</i> sp. 2	Uncultured <i>Tomentella</i> LC035315.1 97.1%; Uncultured <i>Tomentella</i> LC035316.1 96.9%; Uncultured <i>Tomentella</i> LC035317.1 97.4%	Envir: Thelephoraceae <a href="#">UDB005261</a> 97%; Envir: Thelephoraceae <a href="#">UDB0762128</a> 97%; Envir: Thelephoraceae <a href="#">UDB017119</a> 97%	<i>Tomentella</i> sp.	15	0.7 scattered
<i>Tuber</i> sp. 1	<i>Tuber</i> sp. LM4087 KM576678.1 98.5%; <i>Tuber</i> sp. B265 FN669287.1 98.5%; <i>Tuber</i> sp. AJ534706.2 98.5%	<i>Tuber foetidum</i> <a href="#">UDB028382</a> 98%; <i>Tuber</i> <a href="#">UDB028300</a> 98%; <i>Tuber</i> <a href="#">UDB027966</a> 98%	<i>Tuber</i> sp.	46	2.1 occasional
<i>Tuber</i> sp. 2	/	/	<i>Tuber</i> sp.	88	4.1 often
<i>Thelephoraceae</i> sp. 1	Thelephoraceae HE687156.1 100 %; Thelephoraceae KP403046.1 97.7%; <i>Tomentella</i> KM402946.1 97.7%	Envir: Thelephoraceae <a href="#">UDB0762797</a> 99%; Envir: <i>Tomentella</i> <a href="#">UDB033262</a> 98%; Envir: <i>Tomentella</i> <a href="#">UDB0779932</a> 97%	/	298	13.9 frequent

<i>Thelephoraceae</i> sp. 2	Thelephoraceae sp. LM2741 KM576616.1 97.8%; Uncultured <i>Tomentella</i> KM403056.1 94.7%; Uncultured Thelephoraceae MN265771.1 94.7%	Envir: Tomentella <a href="#">UDB026380</a> 98%; Envir: Thelephoraceae <a href="#">UDB026472</a> 97%; Envir: Thelephoraceae <a href="#">UDB085857</a> 99%	/	48	2.2 occasional
<i>Unidentified type</i>				67	3.1 occasional

\*Sequence was locked e.g. not yet published thus having a limited access to available sequence-related information

\*\*According to their relative abundance types of ectomycorrhizae were classified into six dominance classes (Engelmann, 1978): 1) numerous (100% - 32%), 2) frequent (31.99% - 10%), 3) often (9.99% - 3.2%), 4) occasional (3.1% - 1.0%), 5) scattered (0.99% - 0.32%) and 6) rare (0.31% - 0%).