

S1 Table. Voucher information and sequence accession numbers.

Genus	Species/lineage	Voucher Number	Country	State/Province/Zone	ITS GenBank Accession #
<i>Melanella</i>	<i>hepatizon</i>	ESH-098.164 (C)	Greenland	NW n, Siropuluk	KF257943
<i>Melanella</i>	<i>hepatizon</i>	ESH-098.026 (C)	Greenland	NW n, Qaanaaq	KF257944
<i>Melanella</i>	<i>hepatizon</i>	ESH-10B.014 (C)	Greenland	SEm, Tasilaq	KF257945
<i>Melanella</i>	<i>hepatizon</i>	ESH-10A.019 (C)	Greenland	SWm, Nuua	KF257946
<i>Melanella</i>	<i>hepatizon</i>	ESH-08.036 (C)	Greenland	S, Qaortoq	KF257947
<i>Melanella</i>	<i>hepatizon</i>	ESH-08.170 (C)	Greenland	S, Igaliku	KF257948
<i>Melanella</i>	<i>hepatizon</i>	ESH-08.263 (C)	Greenland	S, Narsarsuaq	KF257949
<i>Melanella</i>	<i>hepatizon</i>	ESH-08.215 (C)	Greenland	S, Igaliku	KF257950
<i>Melanella</i>	<i>hepatizon</i>	ESH-09.386 (C)	Greenland	SWm, Midgaard	KF257951
<i>Melanella</i>	<i>hepatizon</i>	ESH-09.324 (C)	Greenland	SWm, Frederikshab Isblink	KF257952
<i>Melanella</i>	<i>hepatizon</i>	ESH-08.477 (C)	Greenland	S, Igaliku	KF257953
<i>Melanella</i>	<i>hepatizon</i>	BC-9677 (LD)	Canada	British Columbia	AF141369
<i>Melanella</i>	<i>hepatizon</i>	DNA-AT934 (LD)	Italy	Biozen Co.	AF451176
<i>Melanella</i>	<i>hepatizon</i>	Wedin 6812 (UPS)	Sweden	unknown	DQ980016
<i>Melanella</i>	<i>hepatizon</i>	LA30501	Iceland	Iau	KY508674
<i>Melanella</i>	<i>hepatizon</i>	LA30676	Iceland	Ive	KY508675
<i>Melanella</i>	<i>hepatizon</i>	LA30674	Iceland	Ive	KY508676
<i>Melanella</i>	<i>hepatizon</i>	LA30675	Iceland	Ive	KY508677
<i>Melanella</i>	<i>hepatizon</i>	LA30673	Iceland	Ive	KY508678
<i>Melanella</i>	<i>hepatizon</i>	LA20781	Iceland	Ino	KY508679
<i>Melanella</i>	<i>hepatizon</i>	LA31860	Iceland	Iny	KY508680
<i>Melanella</i>	<i>hepatizon</i>	LA31861	Iceland	Iny	KY963376
<i>Melanella</i>	<i>agnata</i>	ESH-09.478 (C)	Greenland	SW m, Jensens Nunatakker	KF257940
<i>Melanella</i>	<i>agnata</i>	ESH-09.435 (C)	Greenland	SW m, Jensens Nunatakker	KF257941
<i>Melanella</i>	<i>agnata</i>	ESH-07.464 (C)	Greenland	N, Constable Burt	KF257942
<i>Melanella</i>	<i>agnata</i>	LA29683	Iceland	Imi	KY508672
<i>Melanella</i>	<i>agnata</i>	LA27562	Iceland	Ino	KY963373
<i>Melanella</i>	<i>agnata</i>	LA30974	Iceland	Iso	KY508673
<i>Melanella</i>	<i>agnata</i>	LA31859	Iceland	Ino	KY963374
<i>Melanella</i>	<i>stygia</i>	ESH-08.036	Greenland	S, Qaortoq	KF257954
<i>Melanella</i>	<i>stygia</i>	ESH-08.478	Greenland	S, Igaliku	KF257955
<i>Melanella</i>	<i>stygia</i>	FIN-9714 (LD)	Finland	Nyland	AF115763
<i>Melanella</i>	<i>stygia</i>	DNA-AT922 (LD)	Italy	unknown	AF451775
<i>Melanella</i>	<i>stygia</i>	Haakonson 20365	Finland	Eronkoski	AY611097
<i>Melanella</i>	<i>stygia</i>	Hafelner 51658	Austria	Steiermark	AY611121
<i>Melanella</i>	<i>stygia</i>	LA1972	Iceland	Iau	KY508681
<i>Melanella</i>	<i>stygia</i>	LA28243	Iceland	Iau	KY963375
<i>Melanella</i>	<i>stygia</i>	LA20775	Iceland	Iau	KY508682
<i>Melanella</i>	<i>stygia</i>	LA16894	Iceland	Iau	KY508683
<i>Montanella</i>	<i>disjuncta</i>	Sorbille s.n. (GZU)	Canada	Yukon	KF257956
<i>Montanella</i>	<i>disjuncta</i>	ESH-098.363 (C)	Greenland	NW n, Siropuluk	KF257957
<i>Montanella</i>	<i>disjuncta</i>	ESH-08.304 (C)	Greenland	S, Igaliku	KF257958
<i>Montanella</i>	<i>disjuncta</i>	ESH-09B.051 (C)	Greenland	NW n, Qaanaaq	KF257959
<i>Montanella</i>	<i>disjuncta</i>	Harris 55589 (NY)	USA	Maine	KF257960
<i>Montanella</i>	<i>disjuncta</i>	Bierke WP286-2 (TLE)	Norway	Tromso	KF257961
<i>Montanella</i>	<i>disjuncta</i>	Esslinger BP94-3 (TLE)	Canada	Yukon	KF257962
<i>Montanella</i>	<i>disjuncta</i>	Esslinger 19403 (TLE)	USA	Alaska	KF257968
<i>Montanella</i>	<i>disjuncta</i>	ESH-08.216 (C)	Greenland	S, Igaliku	KF257970
<i>Montanella</i>	<i>disjuncta</i>	ESH-09B.323 (C)	Greenland	NW n, Siropuluk	KF257971
<i>Montanella</i>	<i>disjuncta</i>	Mayrhofer 13743	Austria	Steiermark	AY611077
<i>Montanella</i>	<i>disjuncta</i>	Wedin 7143 (UPS)	Sweden	unknown	DQ980015
<i>Montanella</i>	<i>disjuncta</i>	15512 (MAF)	India	Uttaranchal	GU944556
<i>Montanella</i>	<i>disjuncta</i>	17227 (MAF-Lich)	UK	Scotland	JX974654
<i>Montanella</i>	<i>disjuncta</i>	15512 (MAF-Lich)	India	Uttar Pradesh	KF257972
<i>Montanella</i>	<i>disjuncta</i>	ESH-098.363	Greenland	Northwest	KP771825
<i>Montanella</i>	<i>disjuncta</i>	ESH-08.304	Greenland	South	KP771826
<i>Montanella</i>	<i>disjuncta</i>	ESH-09B.051	Greenland	Northwest	KP771827
<i>Montanella</i>	<i>disjuncta</i>	ESH-08.216	Greenland	South	KP771828
<i>Montanella</i>	<i>disjuncta</i>	ESH-09B.323	Greenland	Northwest	KP771833
<i>Montanella</i>	<i>disjuncta</i>	Esslinger 19403	USA	Alaska	KP771831
<i>Montanella</i>	<i>disjuncta</i>	Harris 52938	USA	Maine	KP771828
<i>Montanella</i>	<i>disjuncta</i>	Lumbsch 2010M7	USA	unknown	JX126181
<i>Montanella</i>	<i>disjuncta</i>	Bierke WP286-2 (TLE)	Norway	Tromso	KP771829
<i>Montanella</i>	<i>disjuncta</i>	Wedin 7143 (UPS)	Sweden	Lycsele Lapomark	KP771834
<i>Montanella</i>	<i>disjuncta</i>	Coppins s.n. (MAF)	UK	Scotland	KP771835
<i>Montanella</i>	<i>disjuncta</i>	MAF-Lich 15512	India	Uttaranchal	KP771837
<i>Montanella</i>	<i>disjuncta</i>	Esslinger BP94-3 (TLE)	Canada	Yukon	KP771830
<i>Montanella</i>	<i>disjuncta</i>	Esslinger BP94-3 (TLE)	Canada	Yukon	KF257967
<i>Montanella</i>	<i>disjuncta</i>	LA28245	Iceland	Iau	KY963377
<i>Montanella</i>	<i>disjuncta</i>	LA30617	Iceland	Ino	KY508684
<i>Montanella</i>	<i>disjuncta</i>	LA27588	Iceland	Ino	KY508685
<i>Montanella</i>	<i>disjuncta</i>	LA31552	Iceland	Ino	KY963378
<i>Montanella</i>	<i>disjuncta</i>	LA30657	Iceland	Ino	KY508686
<i>Montanella</i>	<i>parniformis</i>	Lumbsch 2010M8 (F)	USA	Maine, Washington Co.	KF257973
<i>Montanella</i>	<i>parniformis</i>	Harris 55688 (NY)	USA	Maine	KF257974
<i>Montanella</i>	<i>parniformis</i>	Harris 54728 (NY)	USA	Maine	KF257975
<i>Montanella</i>	<i>parniformis</i>	Harris 52834 (NY)	USA	Maine	KF257976
<i>Montanella</i>	<i>parniformis</i>	Lumbsch 2010M8	USA	Maine	KP771838
<i>Montanella</i>	<i>parniformis</i>	Harris 55585	USA	Maine	KP771839
<i>Montanella</i>	<i>parniformis</i>	Harris 54728 (NY)	USA	Maine	KP771840
<i>Montanella</i>	<i>parniformis</i>	Harris 52834(NY)	USA	Maine	KP771841
<i>Montanella</i>	<i>parniformis</i>	Ohmura 9654 (TNS)	Japan	AzusaYama	KM386099
<i>Montanella</i>	<i>sorediata</i>	Lendemer 13329 (NY)	USA	Pennsylvania	KF257978
<i>Montanella</i>	<i>sorediata</i>	Lendemer 13329 (NY)	USA	Pennsylvania	KP771846
<i>Montanella</i>	<i>sorediata</i>	Spribile 31972 (GZU)	Russia	Khabarovsk Krai	KF257981
<i>Montanella</i>	<i>sorediata</i>	Spribile 31972 (GZU)	Russia	Khabarovsk Krai	KP771847
<i>Montanella</i>	<i>sorediata</i>	Wedin 6862 (UPS)	Sweden	Vasterbotten	GU944557
<i>Montanella</i>	<i>sorediata</i>	Wedin 6862 (UPS)	Sweden	Vasterbotten	KP771845
<i>Montanella</i>	<i>sorediata</i>	Ohmura 9666 (TNS)	Japan	Mt. Ohyama	KM386101
<i>Montanella</i>	<i>tomini</i>	s.n.	China	Hellonqiang	KF257983
<i>Montanella</i>	<i>tomini</i>	s.n.	China	Hellonqiang	KF257984
<i>Montanella</i>	<i>tomini</i>	Leavitt s.n. (F)	USA	Utah, Wayne Co.	KF257985
<i>Montanella</i>	<i>tomini</i>	Esslinger 16627 (TLE)	USA	Montana	KF257986
<i>Montanella</i>	<i>tomini</i>	32307 (BRY-C)	USA	New Mexico, Catron Co.	KF257987
<i>Montanella</i>	<i>tomini</i>	Henson 54 (TLE)	USA	Colorado	KF257988
<i>Montanella</i>	<i>tomini</i>	Leavitt 1021	USA	Utah, Wayne Co.	KF257989
<i>Montanella</i>	<i>tomini</i>	Leavitt 1022	USA	Utah, Wayne Co.	KF257990
<i>Montanella</i>	<i>tomini</i>	Lendemer 4494 (NY)	USA	California	KF257991
<i>Montanella</i>	<i>tomini</i>	Lendemer 19701 (NY)	USA	California	KF257992
<i>Montanella</i>	<i>tomini</i>	Esslinger BP20-1 (TLE)	Canada	Yukon Territory	KF257998
<i>Montanella</i>	<i>tomini</i>	HMAS-L-114000	China	Hebei, Mt. Wulinshan	EU784154
<i>Montanella</i>	<i>tomini</i>	HMAS-L-036389	China	Inner Mongolia, Mt. Anxan	EU784155
<i>Montanella</i>	<i>tomini</i>	HMAS-L-071058	China	Inner Mongolia, Bairin Youxi	EU784156
<i>Montanella</i>	<i>tomini</i>	17025 (MAF-Lich)	India	Sikkim	KF257999
<i>Montanella</i>	<i>tomini</i>	15516 (MAF-Lich)	India	Uttaranchal	GU944559
<i>Montanella</i>	<i>tomini</i>	Hutten 14162 (YOSE)	USA	California	KP771848
<i>Montanella</i>	<i>tomini</i>	Esslinger 16627 (TLE)	USA	Montana	KP771849
<i>Montanella</i>	<i>tomini</i>	Lendemer 4494 (NY)	USA	California	KP771854
<i>Montanella</i>	<i>tomini</i>	Lendemer 19701 (NY)	USA	California	KP771855
<i>Montanella</i>	<i>tomini</i>	Henson 54 (TLE)	USA	Colorado	KP771851
<i>Montanella</i>	<i>tomini</i>	Leavitt 1022 (F)	USA	Utah	KP771853
<i>Montanella</i>	<i>tomini</i>	32307 (BRY-C)	USA	New Mexico, Catron Co.	KP771850
<i>Montanella</i>	<i>tomini</i>	Leavitt 1021 (F)	USA	Utah	KP771852
<i>Montanella</i>	<i>tomini</i>	Ren, Qiang s.n. (HMAS-L)	China	Hellonqiang	KP771856
<i>Montanella</i>	<i>tomini</i>	Ren, Qiang s.n. (HMAS-L)	China	Hellonqiang	KP771858
<i>Montanella</i>	<i>tomini</i>	Esslinger BP20-1 (TLE)	Canada	Yukon	KP771857