

Table S1. Specimens of *Canoparmelia* used in this study, including sample code, collection details, voucher and GenBank Accession numbers. Newly obtained sequences for this study are in bold and missing data are indicated with a dash (—).

Taxon label	Locality	Collector(s)	Voucher specimen	GenBank Accession numbers		
				nuITS	mtSSU	nuLSU
2301_ <i>Canoparmelia austroamericana</i>	Argentina	Michlig & Niveiro	Michlig 2301	KY929408	-	-
6515_ <i>Canoparmelia</i> cf. <i>concrecens</i>	Kenya: West Pokot County, Kapenguria	Kirika, 5233A	EA	OP046386	-	OP046382
4688_ <i>Canoparmelia amabilis</i>	Portugal: Azores Island, San Jorge, Fgada das Cubres,	Divakar 4688	MAF-Lich 24553	OP046387	OP046401	OP046383
4682_ <i>Canoparmelia amabilis</i>	Portugal: Azores Island, San Jorge, Parque Sete Fontes,	Divakar 4682	MAF-Lich 24554	OP046388	-	-
1_ <i>Canoparmelia caroliniana</i>	USA: North Carolina	Perlmutter 1000	NCU	GU994542	AY584613	GU994584
25_ <i>Canoparmelia caroliniana</i>	USA	AFTOL-ID 6	NCU	-	-	AY584634
4680_ <i>Canoparmelia caroliniana</i>	Portugal: Azores Island, San Jorge, Fgada das Cubres,	Divakar 4680	MAF-Lich 24555	OP046389	-	OP046384
2_ <i>Canoparmelia caroliniana</i>	Kenya: Kakamega County, Kakamega forest, Isecheno Forest Station	Kirika, 3419	EA, F	KX369243	-	KX369261
3_ <i>Canoparmelia caroliniana</i>	Kenya: Kakamega County, Kakamega forest, Buyangu,	Kirika, 3389	EA, F	KX369244	KX369256	KX369262

	Edeos Campsite					
9_ <i>Canoparmelia concrescens</i>	Kenya: Kakamega County	Divakar, Mangold & Lumbsch 19538f	MAF- Lich 15547	GU994543	KR995317	GU994585
6545_ <i>Canoparmelia texana</i>	Kenya: Kakamega County, Lirondo Hill	Kirika, 5232	EA, MAF	OK561343	OK582193	OK561867
5_ <i>Canoparmelia ecaperata</i>	Kenya: Makueni County	Kirika, Malombe & Matheka, 3692	EA, F	KX369246	-	KX369264
6_ <i>Canoparmelia eruptens</i>	Kenya: Taita Taveta County, Ngangao Forest	Kirika, Mugambi & Lumbsch, 2405	EA, F	KX369247	-	
7_ <i>Canoparmelia eruptens</i>	Kenya: Taita Taveta County, Ngangao Hill	Kirika, 4483	EA, F, MAF	KX369248	KX369257	KX369265
12_ <i>Canoparmelia nairobiensis</i>	Kenya: Kitui County, Mwingi, Nuu Hill	Kirika & Lumbsch, 3866	EA, MAF, F	GU994545	KR995318	KX369268
13_ <i>Canoparmelia nairobiensis</i>	Kenya: Nyeri County, Mt. Kenya, Gathiuru Forest, Naromoru	Kirika, 4423	EA, MAF, F	KX369252	KX369259	KX369269
16_ <i>Canoparmelia texana</i>	India: Uttaranchal	Divakar GPGC 02- 000637	MAF- Lich 14272	EF042906	-	EF042915
6518_ <i>Canoparmelia texana</i>	Kenya: Kakamega County, Lirondo Hill	Kirika, 5232A	EA, MAF	OP046390	OP046402	OP046385
18_ <i>Xanthoparmelia chlorochroa</i>	USA: North Dakota	Leavitt 55437	BRY-C	HM578887	KR995372	HM579298

19_ <i>Xanthoparmelia</i> <i>conspersa</i>	Spain: Zamora	Blanco & Crespo s.n.	MAF- Lich 6793	AY581096	AF351186	AY578962
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