

Table S1. Species, strain identification and accession number of each loci used for the phylogenetic reconstruction of *Trichomeriaceae* family based on MLSA

Species	Strain ID	its	lsu	tef1	β-tubulin	rpb 1
<i>Knufia walvisbayicola</i>	CPC 38988 (T)	NR_173046.1	NG_076737.1	MZ078251.1	MZ078265.1	MZ078188.1
<i>Knufia calcarecola</i>	CGMCC 3.17218 (T)	-	KP174915.1	KP175008.1	-	KP226506.1
<i>Knufia perforans</i>	CBS 885.95 (T)	MH862564.1	NG_042586.1	-	-	-
<i>Knufia vaticanii</i>	CCFEE 5939 (T)	KP791780.1	KP791780.1	-	-	-
<i>Knufia marmoricola</i>	CCFEE 6201	KP791790.1	KR781077.1	-	-	-
<i>Knufia karalitana</i>	CCFEE 5921	KP791784.1	KR781072.1	-	-	-
<i>Knufia petricola</i>	CBS 726.95 (T)	MH862556.1	NG042775.1	-	-	KC978743.1
<i>Knufia separata</i>	CGMCC 3.17337 (T)	NR_172233.1	NG_075199.1	KP175004.1	KP226565.1	KP226516.1
<i>Knufia obscura*</i>	FJI-L2-BK-P2	JAKLMC000000000.1	JAKLMC000000000.2	JAKLMC000000000.3	JAKLMC000000000.4	JAKLMC000000000.5
<i>Knufia obscura*</i>	CBS 148926 (T)	OL461949.1	OL461955.1	TBD	TBD	TBD
<i>Knufia hypolithi</i>	CBS 146991 (T)	NR_173045.1	NG_076736.1	-	-	-
<i>Knufia mediterranea</i>	CBS 139721 (T)	KP791794.1	KR781081.1	-	-	-
<i>Knufia aspidiotus</i>	BJ01A29	KF589944.1	-	-	-	-
<i>Knufia epidermis</i>	CBS 120353 (T)	NR_111330.1	NG042475.1	-	-	-
<i>Knufia cryptophialidica</i>	DAOM 216555 (T)	JN040501.1	JN040500.1	-	-	-
<i>Knufia endospora</i>	UAMH 10396 (T)	NR_111634.1	-	-	-	-
<i>Knufia perfecta</i>	IRAN 2553C	MF062036.1	MF062037.1	-	-	-
<i>Knufia victoriae</i>	CBS 149015 (T)	OL461954	OL461960	-	-	-
<i>Knufia peltigerae</i>	CGMCC 3.17296	KP174863.1	KP174913.1	KP175005.1	KP226561.1	KP226512.1
<i>Knufia tsuneda</i>	FMR 10621 (T)	NR_132842.1	HG003672.1	-	-	-
<i>Arthrocladium fulminans*</i>	CBS 136243	QXWJ000000000.1	QXWJ000000000.1	QXWJ000000000.1	QXWJ000000000.1	QXWJ000000000.1

* MLST sequences were extracted from genomic sequences via BLASTN analysis