

Supplemental Table S1: List of references belonging to the *T. mentagrophytes*, *T. interdigitale*, and *T. indotineae* species. A=MSI-2 database by Jabet *et al.*; B=MSI-2 database, improved with 12 strains from this study; NR = not recorded.

Strain name	Genotype	Database	Host	Localization	Strain origin
IHEM 28392	<i>T. indotineae</i>	A	Human	NR	Germany
IHEM 28386	<i>T. indotineae</i>	A	Human	NR	Bahrain
IHEM 28378	<i>T. indotineae</i>	A	Human	Skin: foot sole infection	Germany
IHEM 1104	<i>T. interdigitale</i> G-I	A	Environment	Floor of a swimming pool	Belgium
IHEM 1106	<i>T. interdigitale</i> G-I	A	Environment	Floor of a swimming pool	Belgium
IHEM 10342	<i>T. interdigitale</i> G-II	A	Human	Skin: foot sole infection	NR
IHEM 2497	<i>T. interdigitale</i> G-II	A	Human	Skin: foot sole infection	Belgium
IHEM 2643	<i>T. interdigitale</i> G-II	A	Human	Skin: foot sole infection	Belgium
IHEM 2771	<i>T. interdigitale</i> G-II	A	Human	Skin: foot sole infection	Belgium
IHEM 620	<i>T. interdigitale</i> G-II	A	Human	Skin: foot sole infection	Belgium
IDFP 1	<i>T. interdigitale</i> G-II	A	Human	Skin: arm infection	France
IDFP 11	<i>T. interdigitale</i> G-II	A	Human	NR	France
IDFP 16	<i>T. interdigitale</i> G-II	A	Human	Toenail infection	France
IDFP 2	<i>T. interdigitale</i> G-II	A	Human	Toenail infection	France
IHEM 1120	<i>T. interdigitale</i> G-II	A	Environment	Floor of a swimming pool	Belgium
IHEM 584	<i>T. interdigitale</i> G-II	A	Human	Skin: foot sole infection	Belgium
ROUT 1	<i>T. interdigitale</i> G-II	A	Human	Toenail infection	France
ROUT 2	<i>T. interdigitale</i> G-II	A	Human	Toenail infection	France
ROUT 3	<i>T. interdigitale</i> G-II	A	Human	Toenail infection	France
ROUT 5	<i>T. interdigitale</i> G-II	A	Human	Skin: foot sole infection	France
ROUT 6	<i>T. interdigitale</i> G-II	A	Human	Skin: foot sole infection	France
LMA951702	<i>T. interdigitale</i> undetermined	A	NR	NR	NR
IHEM 3997	<i>T. mentagrophytes</i> G-II*	A	NR	NR	NR
ENVA-W985	<i>T. mentagrophytes</i> G-II*	A	Dog: Braque	Skin infection	France
ROUT 13	<i>T. mentagrophytes</i> G-II*	A	Human	ND	France
ENVA-W1330	<i>T. mentagrophytes</i> G-III	A	Dog: Border Collie	Skin infection	France
IHEM 14088	<i>T. mentagrophytes</i> G-III*	A	Human	Skin: leg infection	Belgium
IHEM 4268	<i>T. mentagrophytes</i> G-III*	A	Human	Skin: face infection	Belgium
IHEM 4270	<i>T. mentagrophytes</i> G-III*	A	Human	Skin: face infection	Belgium
ENVA-U9307	<i>T. mentagrophytes</i> G-III*	A	Cat	Skin infection	France
ENVA-W1161	<i>T. mentagrophytes</i> G-III*	A	Dog: Jack Russell	Skin infection	France
ENVA-W1196	<i>T. mentagrophytes</i> G-III*	A	Cat	Skin infection	France
ENVA-W1218	<i>T. mentagrophytes</i> G-III*	A	Dog: Jack Russell	Skin infection	France
ENVA-W1219	<i>T. mentagrophytes</i> G-III*	A	Dog: Whippet	Skin infection	France
ENVA-W1222	<i>T. mentagrophytes</i> G-III*	A	Dog: Boxer	Skin infection	France
SAT 7	<i>T. mentagrophytes</i> G-III*	A	Human	Hair	France
IHEM 19643	<i>T. mentagrophytes</i> G-IV	A	Human	Skin: foot sole infection	France
IHEM 14015	<i>T. mentagrophytes</i> G-V	A	Sheep	Hair	South Africa
IHEM 10162	<i>T. mentagrophytes</i> G-XXIV	A	Chinchilla	Hair	Belgium
IHEM 3289	<i>T. mentagrophytes</i> G-XXIV	A	Human	NR	Belgium
IHEM 3299	<i>T. mentagrophytes</i> G-XXIV	A	Human	NR	Belgium
ENVA W1207	<i>T. mentagrophytes</i> undetermined	A	NR	NR	France
MRS1218158	<i>T. mentagrophytes</i> undetermined	A	Human	NR	France
RES-AVC92	<i>T. indotineae</i>	B	Human	Skin: inguinal fold infection	France
SLS-CRTIM10	<i>T. indotineae</i>	B	Human	Skin: inguinal fold / leg infection	France
PSL5.768	<i>T. indotineae</i>	B	Human	Skin: abdomen infection	France
RES-AVC30	<i>T. interdigitale</i> G-I	B	Human	Toenail infection	France
RES-BCL12	<i>T. interdigitale</i> G-I	B	Human	Skin: between toes infection	France
SLS-CTRL1	<i>T. interdigitale</i> G-II	B	Human	Toenail infection	France
PSL3.420	<i>T. interdigitale</i> G-II	B	Human	Toenail infection	France
PSL4.463	<i>T. interdigitale</i> G-II	B	Human	Toenail infection	France
RES-BCL-173	<i>T. mentagrophytes</i> G-II*	B	Human	Skin: hand infection	France
RES-HMD-126	<i>T. mentagrophytes</i> G-III*	B	Human	Skin: arm infection	France
SLS-CTRL7	<i>T. mentagrophytes</i> G-VI	B	Human	Toenail infection	France
PSL3.316	<i>T. mentagrophytes</i> G-VII	B	Human	Skin: arm infection	France

Supplemental Table S2: List and origin of the 67 isolates constituting assessment panel 1. G = genotype;

ND = not documented.

PANEL 1 isolate name	G	host	origin	patient origin / known travel
IHEM 1106	I	Environment	Floor of a swimming pool in Belgium	Belgium
RES-AVC30	I	Human	Toenail infection	ND
RES-AVC56	I	Human	Skin: between toes infection	ND
RES-BCL12	I	Human	Skin: between toes infection	ND
RES-BCL141	I	Human	Toenail infection	ND
RES-BCL35	I	Human	Toenail infection	ND
RES-SAT28	I	Human	Skin: foot sole infection	ND
RES-SAT73	I	Human	Toenail infection	ND
IDFP 1	II	Human	Skin: arm infection	ND
IDFP 11	II	Human	ND	ND
IDFP 16	II	Human	Toenail infection	ND
IDFP 2	II	Human	Toenail infection	ND
IHEM 1120	II	Environment	Floor of a swimming pool in Belgium	Belgium
IHEM 584	II	Human	Skin: foot sole infection	Belgium
PSL3.420	II	Human	Toenail infection	ND
PSL3.485	II	Human	Toenail infection	ND
PSL4.206	II	Human	Toenail infection	ND
PSL4.207	II	Human	Skin: between toes infection	ND
PSL4.37	II	Human	Skin: foot sole infection	ND
PSL4.462	II	Human	Toenail infection	ND
PSL4.463	II	Human	Toenail infection	ND
PSL6.40	II	Human	Toenail infection	ND
PSL6.421	II	Human	Toenail infection	ND
ROUT 1	II	Human	Toenail infection	ND
ROUT 2	II	Human	Toenail infection	ND
ROUT 3	II	Human	Toenail infection	ND
ROUT 5	II	Human	Skin: foot sole infection	ND
ROUT 6	II	Human	Skin: foot sole infection	ND
SLS-CTRL1	II	Human	Toenail infection	ND
SLS-CTRL2	II	Human	Skin: palm/foot sole infection	ND
SLS-CTRL4	II	Human	Toenail/foot sole infection	ND
SLS-CTRL5	II	Human	Skin: face/between toes infection	ND
SLS-CTRL6	II	Human	Toenail/between toes infection	ND
SLS-CTRL8	II	Human	Skin: leg infection	ND
ENVA-W985	II*	Dog: Braque	Skin infection	ND
RES-BCL-173	II*	Human	Skin: hand infection	ND
ROUT 13	II*	Human	ND	ND
ENVA-W1330	III	Dog: Border Collie	Skin infection	ND
ENVA-U9307	III*	Cat	Skin infection	ND
ENVA-W1161	III*	Dog: Jack Russell	Skin infection	ND
ENVA-W1196	III*	Cat	Skin infection	ND
ENVA-W1218	III*	Dog: Jack Russell	Skin infection	ND
ENVA-W1219	III*	Dog: Whippet	Skin infection	ND
ENVA-W1222	III*	Dog: Boxer	Skin infection	ND
RES-HMD-126	III*	Human	Skin: arm infection	ND
SAT 7	III*	Human	Hair	ND
SLS-CTRL7	VI	Human	Toenail infection	ND
PSL3.316	VII	Human	Skin: arm infection	ND
AVC4	VIII	Human	Skin: inguinal fold/abdomen/leg infection	Bangladesh
AVC4b	VIII	Human	Skin: inguinal fold/abdomen/leg infection	Bangladesh
AVC6	VIII	Human	Skin: inguinal fold/abdomen/leg infection	Myanmar
HOUS3	VIII	Human	ND	ND
PSL5.768	VIII	Human	Skin: abdomen infection	Tibet
PSL5.769	VIII	Human	Skin: inguinal fold infection	Tibet
RES-AVC92	VIII	Human	Skin: inguinal fold infection	India
RES-BCH16	VIII	Human	Fingernail infection	ND
RES-BCL120	VIII	Human	Toenail infection	ND
RES-BCL75	VIII	Human	Axillary fold infection	ND
SAT1	VIII	Human	Skin: inguinal fold/abdomen/leg infection	Bangladesh
SAT-HOU1	VIII	Human	Skin: inguinal fold/abdomen/leg infection	Bangladesh

<b>SEB1</b>	VIII	Human	Skin: inguinal fold/abdomen / leg infection	Bangladesh
<b>SLS-CRTIM10</b>	VIII	Human	Skin: inguinal fold/leg infection	India
<b>SLS-CRTIM11</b>	VIII	Human	Skin: thigh/abdomen/arms infection	India
<b>SLS-CRTIM13</b>	VIII	Human	Skin: thigh/back/inguinal fold	Tibet
<b>SLS-CRTIM3</b>	VIII	Human	Skin: inguinal fold/abdomen/leg infection	India
<b>SLS-CRTIM4</b>	VIII	Human	Skin: legs/trunk/arms infection	Bangladesh
<b>SLS-CRTIM9</b>	VIII	Human	Skin: legs/arms infection	India

Supplemental Table S3: List of the DNA references used for *Trichophyton mentagrophytes* species complex genotyping.

Accession number	Genotype
FM986691	<i>Trichophyton interdigitale</i> genotype I
JX122216	<i>Trichophyton interdigitale</i> genotype II
KP132819	<i>Trichophyton mentagrophytes</i> genotype II*
FM986750	<i>Trichophyton mentagrophytes</i> genotype III
MF926358	<i>Trichophyton mentagrophytes</i> genotype III*
KJ606102	<i>Trichophyton mentagrophytes</i> genotype IV
KU496915	<i>Trichophyton mentagrophytes</i> genotype V
KT285210	<i>Trichophyton mentagrophytes</i> genotype VI
KT253558	<i>Trichophyton mentagrophytes</i> genotype VII
KT192500	<i>Trichophyton indotineae</i>
MK447613	<i>Trichophyton mentagrophytes</i> genotype IX
MK312735	<i>Trichophyton interdigitale</i> genotype X
MK312755	<i>Trichophyton interdigitale</i> genotype XI
MF109039	<i>Trichophyton interdigitale</i> genotype XII
MK312917	<i>Trichophyton mentagrophytes</i> genotype XIII
MK312950	<i>Trichophyton mentagrophytes</i> genotype XIV
MK312937	<i>Trichophyton mentagrophytes</i> genotype XV
MK312933	<i>Trichophyton mentagrophytes</i> genotype XVI
MK312990	<i>Trichophyton mentagrophytes</i> genotype XVII
MK313028	<i>Trichophyton mentagrophytes</i> genotype XVIII
MK312878	<i>Trichophyton mentagrophytes</i> genotype XIX
MK313030	<i>Trichophyton mentagrophytes</i> genotype XX
MK312891	<i>Trichophyton mentagrophytes</i> genotype XXI
MK312888	<i>Trichophyton mentagrophytes</i> genotype XXII
MK313044	<i>Trichophyton mentagrophytes</i> genotype XXIII
AF170453	<i>Trichophyton mentagrophytes</i> genotype XXIV
MT858874	<i>Trichophyton interdigitale</i> genotype XXV
MT858956	<i>Trichophyton mentagrophytes</i> genotype XXVI