

Table S1 Primers used for sequencing by locus

Region	Primers (5' to 3')
ITS2 rRNA	ITS3 Forward GCA TCGA TGAAGAACGCAGC ITS4 Reverse TCCTCCGCTTATTGATATGC
16S rRNA	Bakt_341 Forward CCTACGGGNGGCWGCAG Bakt_805 Reverse GACTACHVGGGTATCTAATCC.

Table S4 Predominant organism percentage of hits, with most likely infecting agent (MLIA).

Nail Number	Dermatophyte or NDM	% Hits	MLIA(s)
1	<i>T. rubrum</i>	98.11	<i>T. rubrum</i>
2	<i>T. rubrum</i>	95.53	<i>T. rubrum</i>
3	<i>T. rubrum</i>	99.93	<i>T. rubrum</i>
4	<i>T. mentagrophytes</i>	99.13	<i>T. mentagrophytes</i>
5	<i>A. versicolor</i>	99.4	<i>Aspergillus versicolor</i>
6	<i>T. mentagrophytes</i>	70.39	<i>T. mentagrophytes</i>
7	<i>T. mentagrophytes</i>	99.45	<i>T. mentagrophytes</i>
8	<i>A. sclerotigenum</i>	86.27	<i>Acremonium sclerotigenum</i>
9	<i>T. mentagrophytes</i>	90.23	<i>T. mentagrophytes</i>
10	<i>F. oxysporum</i> <i>T. mentagrophytes</i>	86.27 12.81	Mixed
11 (Control 1)	<i>F. oxysporum</i>	95.77	-
12	<i>T. mentagrophytes</i>	94.73	<i>T. mentagrophytes</i>
13	<i>T. rubrum</i>	94.82	<i>T. rubrum</i>
14	<i>T. rubrum</i>	98.62	<i>T. rubrum</i>
15	<i>T. rubrum</i>	97.77	<i>T. rubrum</i>
16	<i>T. mentagrophytes</i>	90.43	<i>T. mentagrophytes</i>
17	<i>T. mentagrophytes</i>	97.63	<i>T. mentagrophytes</i>
18	<i>T. rubrum</i>	83.8	<i>T. rubrum</i>
19	<i>F. acetilerea</i> <i>T. mentagrophytes</i>	51.92 47.55	Mixed
20 (Control 2)	<i>M. slooffiae</i>	93.57	-

Table S5 Nails with both *T. rubrum* and *T. mentagrophytes* present and showing the dominance of one dermatophyte over the other

Nail Number	Dermatophyte	% Hits
1	<i>T. rubrum</i> <i>T. mentagrophytes</i>	98.11 0.65
4	<i>T. rubrum</i> <i>T. mentagrophytes</i>	0.01 99.13
7	<i>T. rubrum</i> <i>T. mentagrophytes</i>	0.02 99.45
10	<i>T. rubrum</i> <i>T. mentagrophytes</i>	0.01 12.81
11 (Control 1)	<i>T. rubrum</i> <i>T. mentagrophytes</i>	0.08 0.06
12	<i>T. rubrum</i> <i>T. mentagrophytes</i>	0.02 94.73

Table S6 Correlations between results of sequencing the 16S region in DNA from nails.

Correlations	Nail 1	Nail 2	Nail 3	Nail 4	Nail 5	Nail 6	Nail 7	Nail 8	Nail 9	Nail 10	Nail 11	Nail 12	Nail 13	Nail 14	Nail 15	Nail 16	Nail 17	Nail 18	Nail 19
Nail 2	0.917																		
Nail 3	0.788	0.917																	
Nail 4	0.904	0.99	0.937																
Nail 5	0.796	0.923	1	0.943															
Nail 6	0.573	0.662	0.727	0.678	0.729														
Nail 7	0.823	0.943	0.996	0.964	0.997	0.723													
Nail 8	0.867	0.921	0.815	0.894	0.824	0.649	0.838												
Nail 9	0.851	0.953	0.97	0.976	0.975	0.723	0.984	0.894											
Nail 10	0.78	0.908	0.987	0.928	0.987	0.72	0.983	0.815	0.966										
Nail 11	0.831	0.945	0.985	0.967	0.989	0.733	0.993	0.878	0.994	0.975									
Nail 12	0.909	0.969	0.87	0.984	0.88	0.638	0.911	0.896	0.949	0.869	0.928								
Nail 13	0.895	0.956	0.929	0.971	0.935	0.696	0.951	0.922	0.982	0.921	0.967	0.96							
Nail 14	0.787	0.917	1	0.937	1	0.731	0.996	0.815	0.97	0.987	0.985	0.87	0.929						
Nail 15	0.861	0.964	0.976	0.987	0.98	0.708	0.992	0.857	0.99	0.966	0.99	0.954	0.968	0.976					
Nail 16	0.885	0.926	0.802	0.952	0.814	0.578	0.855	0.824	0.897	0.798	0.869	0.986	0.915	0.802	0.913				
Nail 17	0.911	0.971	0.908	0.988	0.917	0.674	0.941	0.911	0.972	0.908	0.958	0.991	0.976	0.908	0.972	0.963			
Nail 18	0.864	0.963	0.972	0.987	0.977	0.707	0.989	0.867	0.994	0.965	0.99	0.957	0.975	0.972	0.998	0.915	0.974		
Nail 19	0.334	0.281	0.115	0.251	0.121	0.067	0.148	0.288	0.177	0.115	0.157	0.287	0.224	0.114	0.187	0.3	0.262	0.191	
Nail 20	0.801	0.927	0.999	0.947	1	0.727	0.998	0.824	0.976	0.987	0.989	0.885	0.937	0.999	0.983	0.821	0.921	0.979	0.127

Bold=significant correlation.