

## Supplementary materials

**Table S1.** Skin morphologies regarding to pathogens

|                     | <i>Exoph<br/>ila<br/>spp.</i> | <i>Wangi<br/>ella<br/>spp.</i> | <i>Cladorrhi<br/>num<br/>bulbillosu<br/>m</i> | <i>Rhinocladi<br/>ella spp.</i> | <i>Fonsec<br/>aea<br/>spp.</i> | <i>Sporotri<br/>x spp.</i> | Unidentifi<br>ed black<br>mold | NT<br>M |
|---------------------|-------------------------------|--------------------------------|---|---------------------------------|--------------------------------|----------------------------|--------------------------------|---------|
| Nodule              | 5                             | 3                              | 1   | 1                               | 0                              | 1                          | 2                              | 3       |
| Papule              | 1                             | 3                              | 0   | 0                               | 0                              | 0                          | 1                              | 1       |
| Plaque              | 3                             | 1                              | 0   | 0                               | 1                              | 1                          | 0                              | 1       |
| Patch               | 0                             | 0                              | 0   | 0                               | 0                              | 0                          | 0                              | 0       |
| Pustule/<br>Abscess | 1                             | 0                              | 0   | 0                               | 0                              | 0                          | 2                              | 0       |
| Ulcer               | 5                             | 1                              | 1   | 0                               | 0                              | 0                          | 0                              | 0       |

**Table S2.** Histopathologic features of cutaneous infection with sporotrichoid pattern

| <b>Histopathology</b>         | <b>Number of patients</b> |
|-------------------------------|---------------------------|
| <b>First Biopsy</b>           | <b>53</b>                 |
| Suppurative granuloma         | 16                        |
| Tuberculoid granuloma         | 5                         |
| Mixed granuloma               | 1                         |
| Unspecified granuloma         | 23                        |
| Abscess/no granuloma          | 4                         |
| Unknown/inadequate            | 1                         |
| <b>Re biopsy</b>              | <b>8</b>                  |
| <b>Reason of re biopsy</b>    |                           |
| Inadequate sample             | 1                         |
| Failed empirical treatment    | 6                         |
| Relapsed lesion               | 1                         |
| <b>Re biopsy results</b>      |                           |
| Newly histopathology findings | 4                         |
| Newly identified pathogens    | 1                         |

**Table S3.** Identified pathogens in patient with cutaneous infection with sporotrichoid pattern

| <b>Pathogens</b>                    | <b>Number of patients</b> |
|-------------------------------------|---------------------------|
| <b>Positive culture</b>             | <b>24 (45.3%)</b>         |
| <b>Fungus</b>                       | 19 (79.2%)                |
| <i>Exophila</i> spp.                | 7 (29.1%)                 |
| <i>Wangiella</i> spp.               | 6 (25.0%)                 |
| <i>Cladorrhinum bulbillosum</i>     | 1 (4.2%)                  |
| <i>Rhinocladiella</i> spp.          | 1 (4.2%)                  |
| <i>Fonsecaea</i> spp.               | 1 (4.2%)                  |
| Unidentified black mold             | 2 (8.3%)                  |
| <i>Sporothrix</i> spp.              | 1 (4.2%)                  |
| <b>Nontuberculous mycobacterium</b> | 5 (20.8%)                 |
| <i>Mycobacterium marinum</i>        | 2 (8.3%)                  |
| <i>Mycobacterium scrofulaceum</i>   | 2 (8.3%)                  |
| <i>Mycobacterium abscessus</i>      | 1 (4.2%)                  |
| <b>Negative culture</b>             | <b>29 (54.7%)</b>         |