

Supplementary material

The Roman houses of the Caelian Hill (Rome, Italy): Multitemporal evaluation of biodeterioration patterns

Table S1. PCR amplification programs applied for the targeted regions. The last line reports the cycling repeats.

| 27f | Cya106f | ITS5 | rbcLaF | ChloroF |
|-------------|-------------|-------------|-------------|-------------|
| 1492r | Cya781r | ITS4 | rbcLr590 | ChloroR |
| 95° C x 2' | 95° C x 2' | 95 °C x 3' | 95 °C x 2' | 94 °C x 3' |
| 95 °C x 30" | 95 °C x 45" | 95 °C x 30" | 95 °C x 30" | 94 °C x 1' |
| 50 °C x 30" | 55 °C x 30" | 55 °C x 30" | 50 °C x 90" | 59 °C x 1' |
| 72 °C x 2' | 72 °C x 1' | 72 °C x 32" | 72 °C x 40" | 72 °C x 1' |
| 72 °C x 7' | 72 °C x 5' | 72 °C x 5' | 72 °C x 5' | 72 °C x 10' |
| 30x | 40x | 35 x | 45x | 35 x |

Table S2 Environmental conditions recorded during the two sampling sessions.

| | outdoor | | CG | | NP | | W | | BAL | | outdoor | |
|------------------|----------|------|----------|------|----------|------|---------|------|---------|------|---------|-----|
| | °C | RH% | °C | RH% | °C | RH% | °C | RH% | °C | RH% | °C | RH% |
| July | 26.3 | 61.5 | 23.3 | 76.4 | 22.5 | 81.3 | 20.3 | 88.3 | 17.7 | 88.6 | 31.05 | 54 |
| Nov | 18 | 72 | 19.2 | 68.4 | 19.4 | 83.9 | 19 | 85 | 17.5 | 87.6 | 16.8 | 81 |
| hour | 10:00 AM | | 10:15 AM | | 11:50 AM | | 1:20 PM | | 2:35 PM | | 3:15 PM | |
| Nov 5th, 2002 | 15.1 | 51 | 18.9 | 80 | 19.3 | 90 | 20 | 92 | 18.3 | 93 | | |

Outdoor refers to the external conditions recorded in *Clivus Scauri* street just close the entrance door before and after the sampling sessions. CG, Chamber of the Geniuses; NP, Nymphaeum of Proserpine; W, winery; BAL, *Balneum*

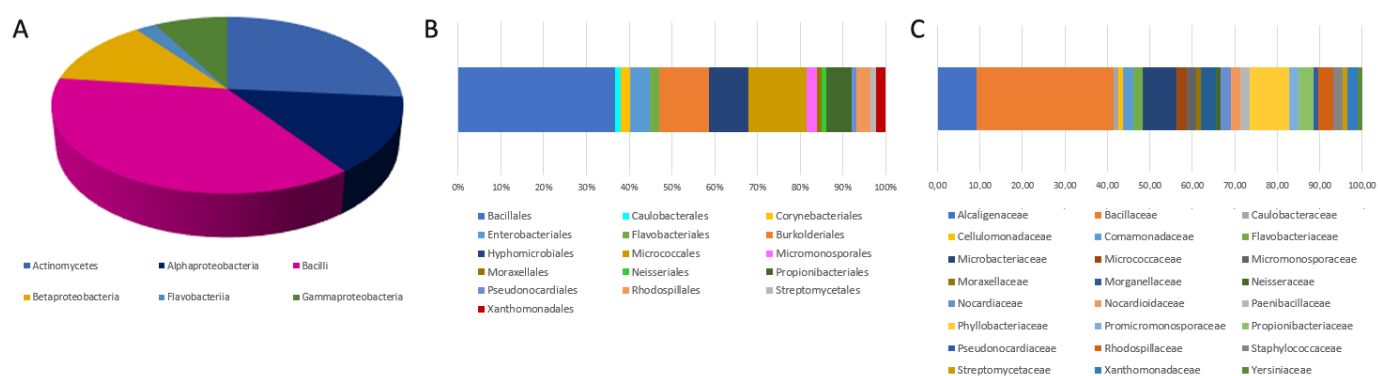


Figure S1. Bacterial isolates frequency at (A) class, (B) order and (C) family level.