

Supplementary Materials: Temperature and Moisture Gradients Drive the Shifts of the Bacterial Microbiomes in 1000-Year-Old Mausoleums

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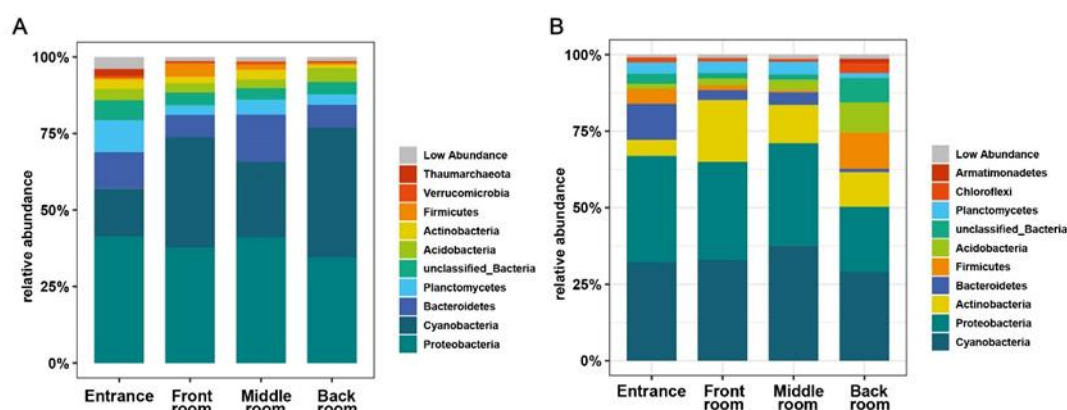


Figure S1. Relative abundances of bacterial community composition at phylum level on the bricks in the Shunling (A) and Qinling mausoleums (B).

Table S1. Dissimilarity tests of bacterial communities among different positions in the Shunling mausoleum using Permutational multivariate analysis.

	F.Model	R ²	p.value
Back room vs Middle room	3.293	0.190	0.003
Back room vs Front room	4.598	0.247	0.002
Back room vs Entrance	11.502	0.451	0.001
Middle room vs Front room	3.478	0.199	0.011
Middle room vs Entrance	4.565	0.246	0.001
Front room vs Entrance	10.016	0.417	0.001

Table S2. Dissimilarity tests of bacterial communities among different sites in the Qinling mausoleum using Permutational multivariate analysis.

	F.Model	R ²	p.value
Back room vs Middle room	5.426	0.279	0.001
Back room vs Front room	5.403	0.278	0.001
Back room vs Entrance	6.016	0.301	0.001
Middle room vs Front room	3.266	0.189	0.004
Middle room vs Entrance	7.932	0.362	0.001
Front room vs Entrance	6.651	0.322	0.001

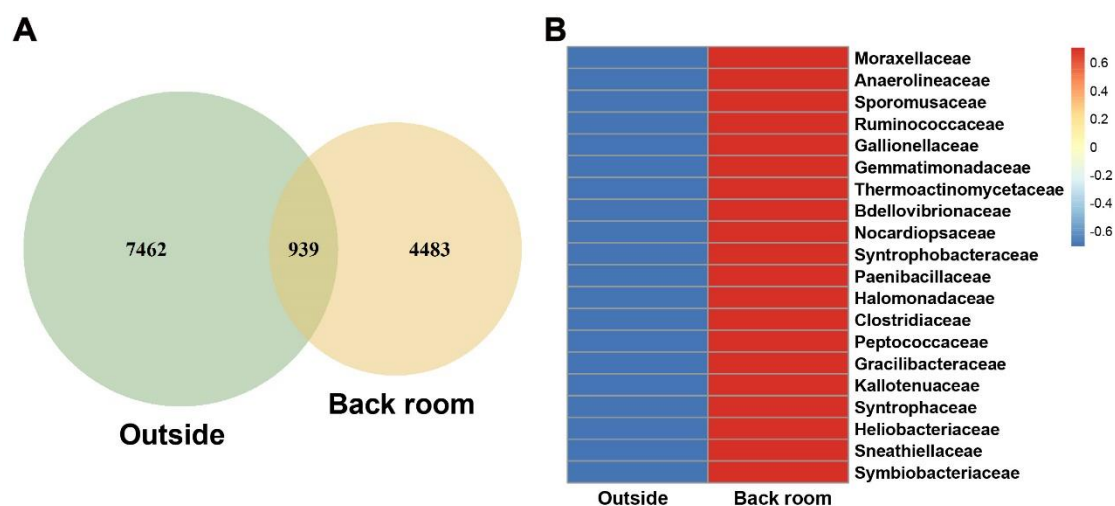


Figure S2. Endemic OTUs taxa in the back room of Qinling Mausoleum. (A) Venn plot of OTUs taxa between soil outside the mausoleum and the back room of Qinling Mausoleum. (B) Heat map of family level species annotation of endemic OTUs for the top 20 abundances in Qinling Mausoleum back room.

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