

Supplementary Information

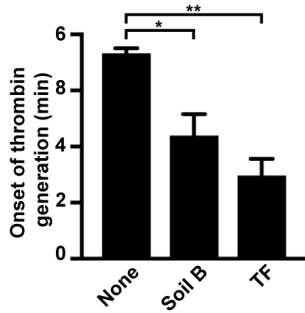


Figure S1. Soils accelerate clotting in mouse plasma *in vitro*.

The time until onset of thrombin was generated in mouse plasma in the presence or absence of soil. $n = 5$. * $p < 0.01$, ** $p < 0.001$. Error bars represent SEM.

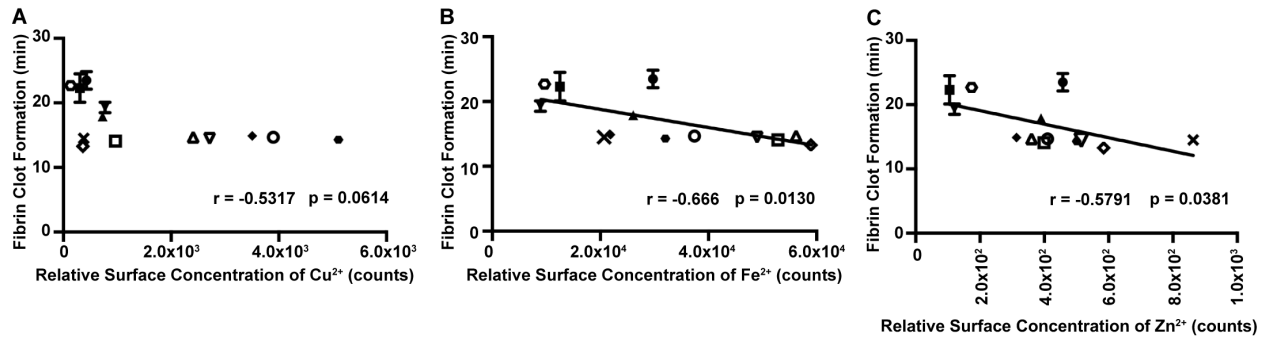


Figure S2. Clot times were moderately correlated with the concentration of transition elements at the soil surface.

(A-C) Elemental composition of soil surfaces was analyzed by TOF-SIMS for Cu²⁺ (A), Fe²⁺ (B) and Zn²⁺ (C). A best fit line was drawn for significantly correlated observation. Clot times were $n = 5$ for all panels.