



**Fig. S2 Quantification of *E. coli* O157:H7 abundance in soil.**

a-b. *E. coli* O157:H7 abundance measured by plate count on sorbitol MacConkey agar (a) and fold change in *E. coli* abundance under acid rain treatments (mild: pH=4.5 and severe: pH=2.5) compared to normal rain (pH=6.5) (b); C-D. *E. coli* O157:H7 abundance measured by qPCR targeting the *rfbE* antigen (c) and their fold changes (d).