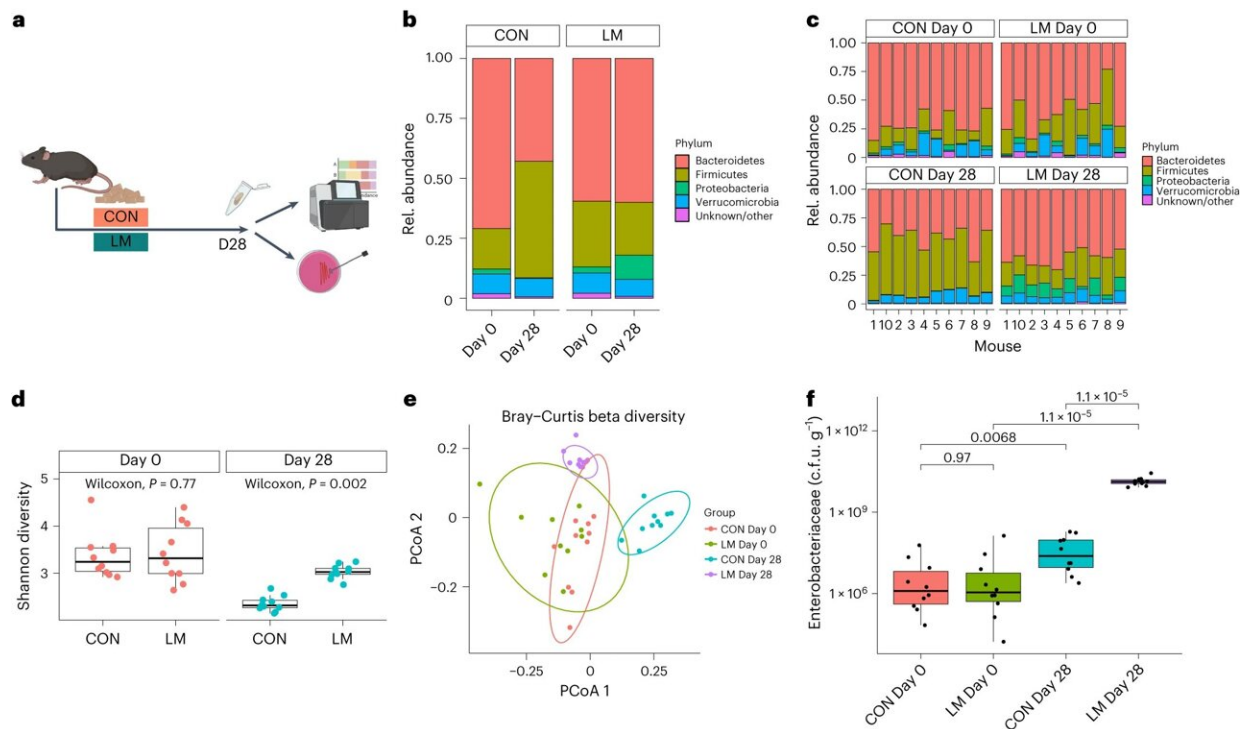


Study reveals surprising link between malnutrition and rising antibiotic resistance

November 17 2023



Micronutrient deficiencies reshape gut bacterial community. Weanling C57Bl/6N male mice ($n = 10$) were given a control or multiple low-micronutrient diet (deficient in vitamin A, B12, B9 (folate), zinc and iron) ad libitum for 28 d. Shotgun metagenomics sequencing was performed on mouse fecal samples collected at Days 0 and 28. Fresh fecal samples were also plated on MacConkey agar and Enterobacteriaceae quantified (c.f.u.). **a**, Experimental design. **b,c**, Bar plots at the phylum level by group and by individual mouse. Bars represent mean relative abundance. All taxa with

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