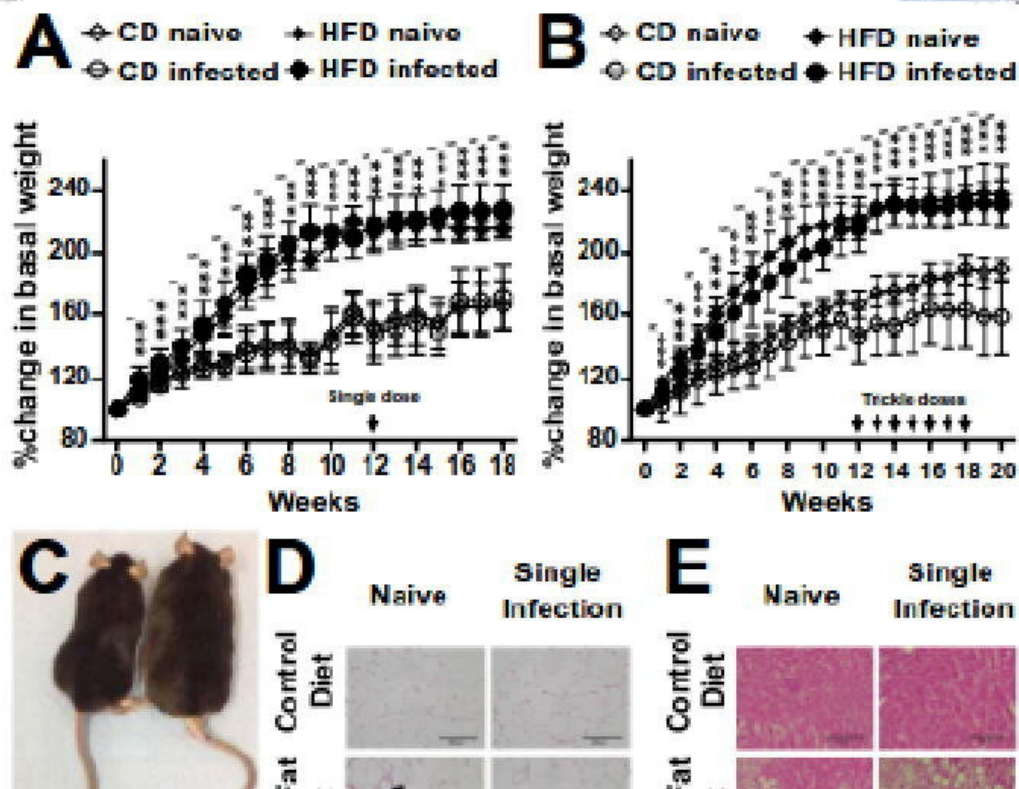


How a high fat diet allows expulsion of intestinal parasite worms

February 6 2023



High fat diet induced obesity protects mice from chronic *T. muris* infection. Percentage change in basal start weight in wild-type C57BL/6 mice receiving 12 weeks of CD or HFD prior to a single (A) or trickle (B) low dose *T. muris* infection (arrows indicate dose strategy); (C) representative image of macroscopic weight gain in single dose infected mice following 12 weeks on CD/HFD. Representative H&E-stained histology images of (D) mLN adipose and (E) liver in naïve and single low dose infected mice at day 42 post-infection following 12 weeks CD/HFD; arrows indicate adipose cell crowning. Worm

burdens counted from the caecum and proximal colon in mice following a CD/HFD after receiving a single (F) or trickle (H) low dose infection. (G) Fecal egg counts at weeks 8 and 9 following a trickle T. muris infection in mice on CD/HFD. Data (n=4-11 mice per group) are from two to three independent experiments performed. *, P

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