**Title**
Short-term consumption of a high-fat diet increases host susceptibility to Listeria monocytogenes infection

**Author(s)**
Las Heras, Vanessa; Clooney, Adam G.; Ryan, Feargal J.; Cabrera-Rubio, Raul; Casey, Pat G.; Hueston, Cara M.; Pinheiro, Jorge; Rudkin, Justine K.; Melgar, Silvia; Cotter, Paul D.; Hill, Colin; Gahan, Cormac G.

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Figure S2. Increased dietary fat from animal source increases host susceptibility to oral infection with *Listeria monocytogenes* EGD<sup>em</sup> pIKM2. IG inoculation of seven-week-old female C57BL/6 mice (ENVIGO, UK) was repeated in a separate duplicate experiment (n=8) using a 200μl inoculum comprising 2.8 × 10<sup>9</sup> CFU *L. monocytogenes* EGD<sup>em</sup>::pIMK2lux, a bioluminescent murinized strain. After infection (three days), the faecal pellets were collected daily and plated for CFU to determine shedding of *L. monocytogenes*. A. Bacterial burden of spleen, liver, lymph nodes and of C57BL/6 mice fed with diets varying in percentage of fat content from the total caloric intake (n=8, standard deviation from the mean, statistical analysis was conducted using Mann Whitney Nonparametric Test). B. *Listeria monocytogenes* bacterial shedding per gram of faecal sample in each day after infection. C. Comparison between the two trials (EGD<sup>em</sup> and pIKM2). Mann Whitney Nonparametric Test.