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<table>
<thead>
<tr>
<th><strong>Title</strong></th>
<th>Short-term consumption of a high-fat diet increases host susceptibility to Listeria monocytogenes infection</th>
</tr>
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<tr>
<td><strong>Author(s)</strong></td>
<td>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.</td>
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<td><strong>Publication date</strong></td>
<td>2019</td>
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<td><strong>Type of publication</strong></td>
<td>Article (peer-reviewed)</td>
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</tbody>
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Supplemental data, Las Heras et al Fig S4.

A.

B.

C.

Family
- Alphaproteobacteria_unclassified
- Anaeroplasmataceae
- Bacteria_unclassified
- Bacteroidaceae
- Bacteroidales_unclassified
- Bacteroidetes_unclassified
- Bifidobacteriaceae
- Candidatus_Saccharibacteria_unclassified
- Clostridiales_unclassified
- Clostribacteriaceae
- Definibacteriaceae
- Deltsproteobacteria_unclassified

Family
- Desulfovibrionaceae
- Enterococcaceae
- Erysipelotrichaceae
- Eubacteriaceae
- Firmicutes_unclassified
- Lachnospiraceae
- Lactobacillaceae
- Porphyromonadaceae
- Prevotellaceae
- Rikenellaceae
- Ruminococcaceae
- Sutterellaceae
- Verrucomicrobiaceae

Log2 Fold Change

Log2 Adjusted P-value
**Figure S4. β-diversity metrics.** **A.** Changes in Firmicutes to Bacteroidetes bacterial ratio of abundancy during dietary shifts (D13 and D16). **B and C.** Changes in total bacterial abundancy between low and high-fat diets at the family level. A volcano plot showing the fold change between high and low fat diets at (B. D13 and C. D16). Each point represents an Operational Taxonomic Unit (OTU). The X axis represents the log2 of the fold change while the Y axis is the negative log10 of DESeq2 P values adjusted for multiple testing using the False Discovery Rate method. Points to the right of the plot with positive log2FoldChange values represent bacterial taxa with increased abundancy in the mice on the high fat diet relative to the mice on the low fat and those with negative log2FoldChange values represent bacterial taxa with increased abundancy in the low fat diet relative to the high fat diet. The horizontal black line represents the cut off for statistical significance, an adjusted p-value of 0.05.