Table S2. Colonic mucosal mRNA expression in vehicle control treated mice

| Gene       | HF     | HF-FO | LF     | P-value |
|------------|--------|-------|--------|---------|
| RORγt      | 1.9 ± 0.3 | 1.4 ± 0.1 | 1.1 ± 0.2 | 0.16    |
| T-bet      | 2.5 ± 0.2 | 2.7 ± 0.4 | 2.4 ± 0.9 | 0.62    |
| Foxp3      | 0.2 ± 0.02 | 0.5 ± 0.2 | 0.5 ± 0.3 | 0.39    |
| IL-6       | 0.6 ± 0.2 | 0.6 ± 0.2 | 0.6 ± 0.01 | 0.25    |
| IL-1β      | 3.0 ± 1.3 | 3.4 ± 1.7 | 3.6 ± 1.7 | 0.96    |
| IL-17F     | 0.9 ± 0.2 | 0.5 ± 0.2 | 0.5 ± 0.3 | 0.21    |
| IL-21      | 0.42 ± 0.2 | 0.2 ± 0.1 | 0.2 ± 0.09 | 0.44    |
| IL-23      | 1.0 ± 0.1 | 1.6 ± 0.6 | 0.7 ± 0.07 | 0.29    |
| IL-27      | 4.2 ± 2.3 | 5.0 ± 1.9 | 8.6 ± 1.4 | 0.14    |
| IFNγ       | 0.3 ± 0.1 | 0.4 ± 0.1 | 0.8 ± 0.2 | 0.37    |
| IL-10      | 0.9 ± 0.2 | 1.2 ± 0.4 | 0.2 ± 0.03 | 0.33    |
| TGF-β1     | 3.3 ± 0.5 | 4.8 ± 0.9 | 3.9 ± 0.9 | 0.15    |

1Values are means ± SEM (n=4-6/vehicle control mice/dietary group). Data were normalized to ribosomal 18S and analyzed by ANOVA. For all genes, the effect of diet is shown (P≤0.05).