

Table S3 : Genera significantly enriched or depleted in LKO-CT mice compared to WT-CT.

| Species | <i>p</i> | WT-CT | | LKO-CT | |
|---------------------|------------|--------|-------|--------|-------|
| | | Mean | SEM | Mean | SEM |
| <i>Allobaculum</i> | 0,01998941 | 14,757 | 3,565 | 5,309 | 1,216 |
| <i>Ruminococcus</i> | 0,01174936 | 0,299 | 0,062 | 0,634 | 0,105 |
| <i>Sutterella</i> | 0,02853385 | 2,212 | 0,794 | 0,335 | 0,109 |

Data are shown as the means and SEM. Significant differences ($P < 0.05$) between the two groups are indicated. P values are based on the 2-sample t-test assuming equal variances. Student t-test results were corrected by an FDR test according to the Benjamini-Hochberg procedure, with an α of < 0.05 , significant p-values after FDR correction are depicted in red.