**Supplemental Material**

**Negative Impact of Caloric Restriction on Atherosclerosis in Young ApoE/LDLr-/- Mice**

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**Supplementary File 1.** Effect CR diet on body weight of ApoE/LDLr-/- mice in different age during the experiment.

S**upplementary File 2.** Results of genes differential expression analysis form GeneSpring software.

**Supplementary File 3.** Sequencing reads statistic and statistics on reads filtering process.

**Supplementary File 4.** Row read counts for all samples, microbiome abundance on phylum and genus levels, differential abundance analysis and differential genera visualization.

**Supplementary File 5.** Correlation of the lipid profile, blood glucose levels, and microbiome composition