

Supplementary Information



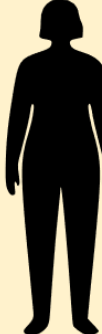


$\text{BMI} = \frac{\text{mass [kg]}}{\text{height}^2 \text{ [m]}}$					
BMI	< 18.5	18.5 – 24.9	25 – 29.9	30 – 39.9	40 <
Classification	Underweight	Normal weight	Overweight	Moderate obesity	Morbid obesity

Figure S1. Classification of normal body weight and different stages of obesity by BMI-scale. The BMI is generally calculated according to the formula given in the “BMI”-field on the left.



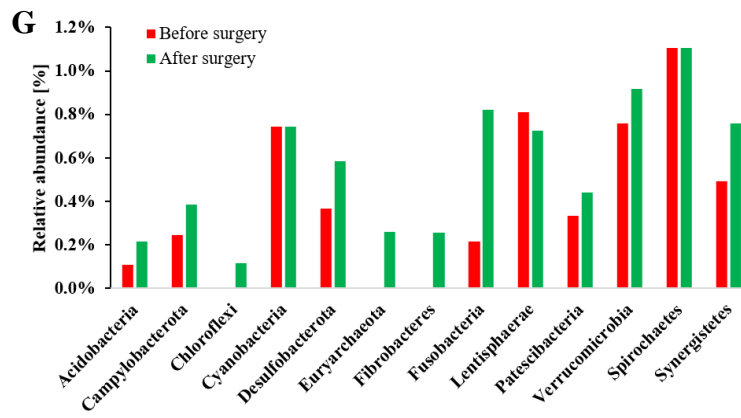


Figure S2. Relative abundance [%] of the identified major phyla of the gut microbiome, their respective medians and the respective percentage delta. Data from patients (P-ID 003-060) before and after bariatric surgery, as well as controls (C1, C2), are displayed. (A) *Actinobacteria*, (B) *Bacteroidetes*, (C) *Firmicutes*, (D) *Proteobacteria*, (E) “Unspecific”, (F) “Phylum < 2 %”. (G) Mean relative abundance [%] of the individual phyla summarized as “Phylum < 2 %”.