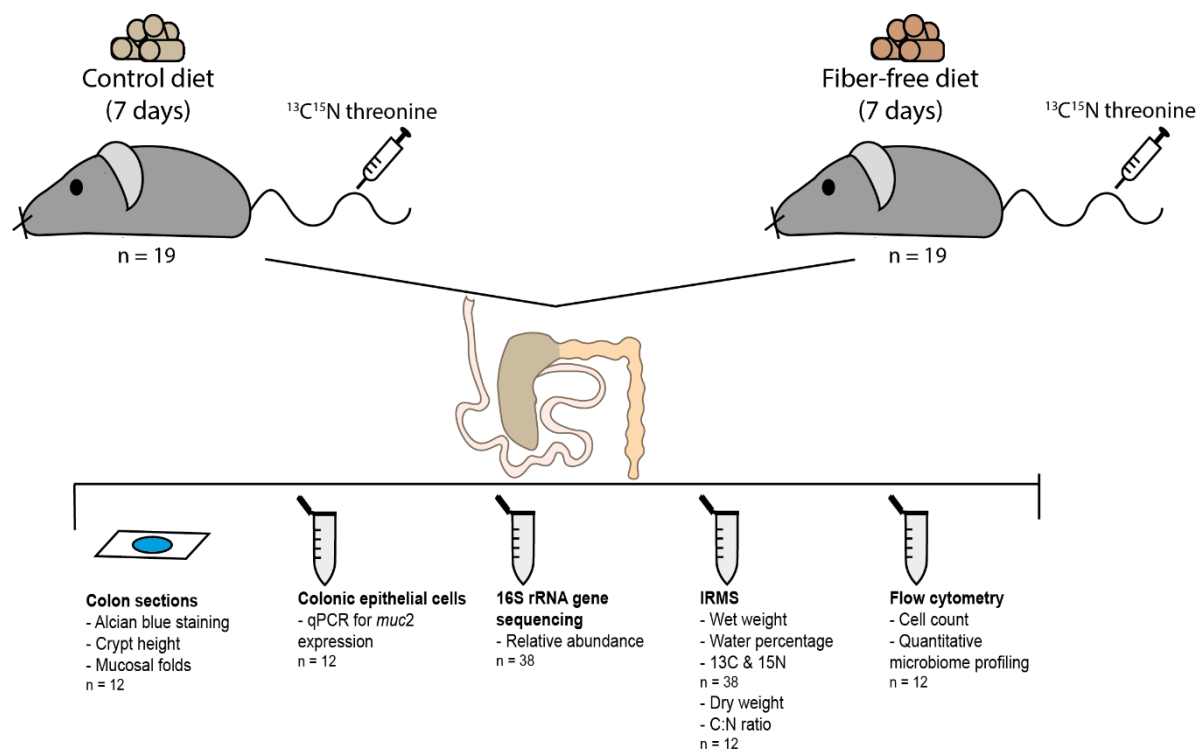
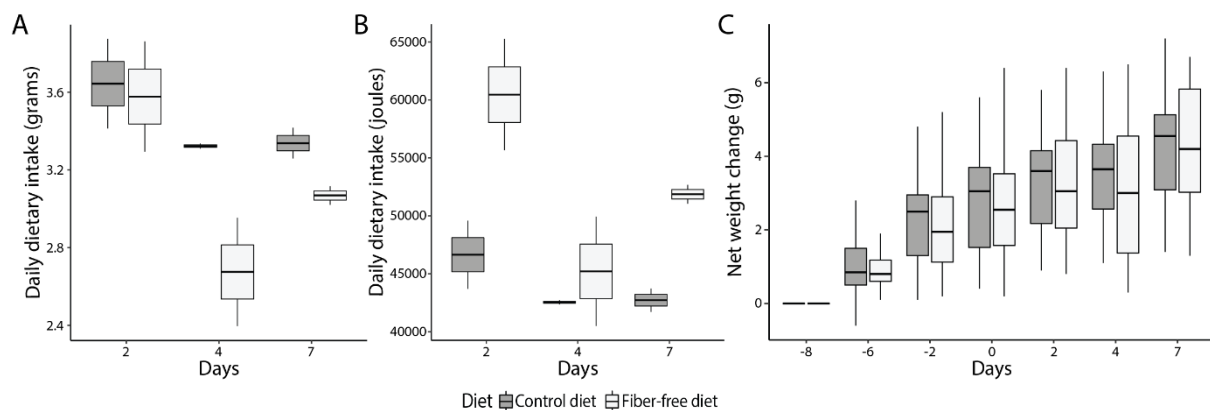


## Supplementary figures



**Supplementary Figure S1:** Experimental set-up of harvested samples. After an initial week of acclimatization on a standard chow or control diet, half the mice were switched to a fiber-free diet. All mice were sacrificed after 7 days of dietary intervention.



**Supplementary Figure S2:** Daily dietary intake in grams (A) and joules (B) per mouse per day. (C) The net weight change per mouse during the experiment. Day 0 indicates the day the diets were switched. Box plots show the group median and interquartile range. Dark grey indicates the control diet, light grey the fiber-free diet.

**Supplementary Table S1: Nutritional composition of the diets**

	<b>Control chow diet (CD)</b>	<b>Fiber Free diet (FFD)</b>
<b>Crude protein (%)</b>	19	18.5
<b>Crude fat (%)</b>	3.3	7.1
<b>Crude fiber (cellulose) (%)</b>	5 (16.9 = NDF, 7.1 = ADF)	-
<b>Crude ash (%)</b>	6.4	5.3
<b>Starch (%)</b>	35.9	-
<b>Sugar (Dextrose/glucose) (%)</b>	5.4	65.1
<b>Metabolisable Energy (MJ/kg)</b>	<b>13.5</b>	<b>16.9</b>
Protein, kcal %	33	18.3
Fat, kcal %	9	15.8
Carbohydrates, kcal %	58	65.8