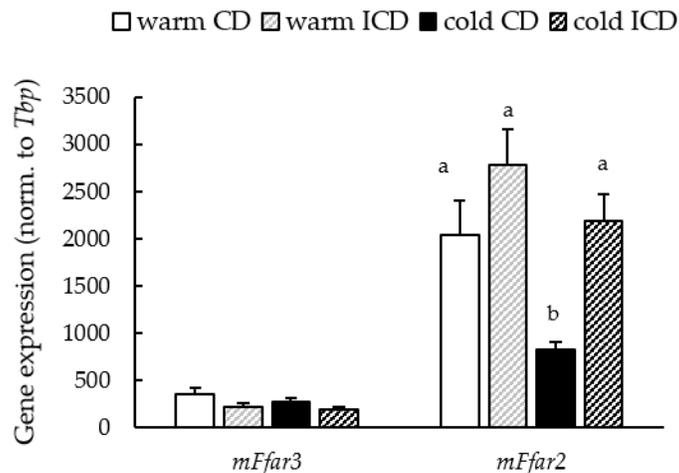


Supplementary Table 1

Supplementary Table 1. Composition of the Inulin and control diet.

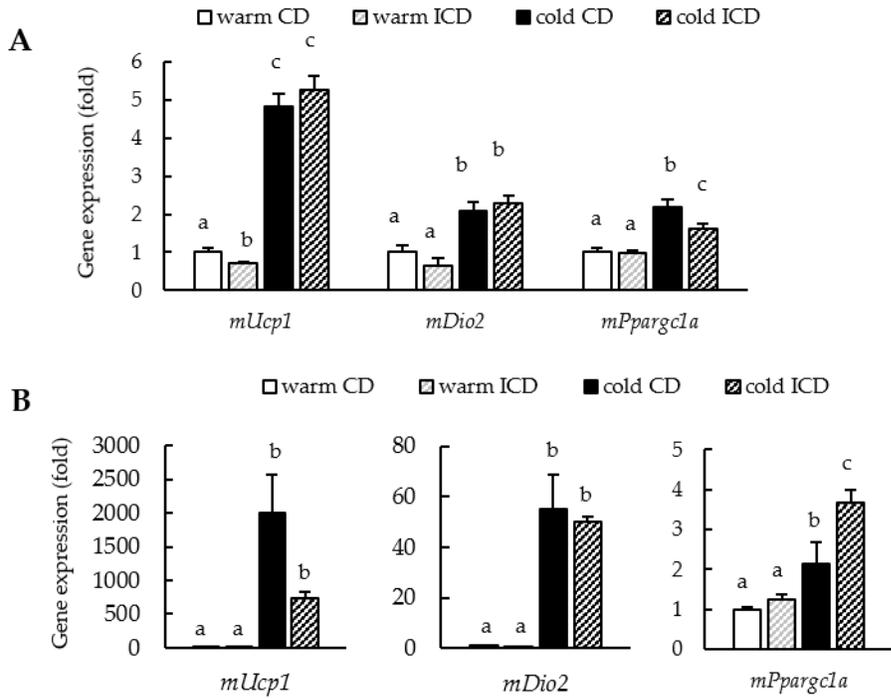
	S5714- E710	S5714- E716
Proximate contents	CD	ICD
Carbohydrates	64,3	30,8
Crude Protein	21	21
Crude Fat	5,1	5,1
Crude fiber	0,2	33,2
Ingredients		
%		
Inulin	0	30
Cellulose	0,2	5
Starch	33	12
Maltodextrin	19,9	6,1
Energy (MJ/kg)	16,2	10,7
kcal%		
Fat	12	18,4
Protein	22	33,3
Carbohydrates	66	48,3

Supplementary Figure 1



Supplementary Figure 1. Inulin does not affect expression of GPR41 and GPR43 in colon tissues. Gene expression of GPR41 (encoded by *Ffar3*) and GPR43 (encoded by *Ffar2*) in colon tissues. Levels are normalized to *Tbp* as housekeeper. Data are shown as mean values \pm SEM, different letters indicate significant differences between groups ($p < 0.05$) determined by two-way ANOVA. CD warm: n=6, ICD warm: n=6, CD cold: n=6, ICD cold: n=4

Supplementary Figure 2



Supplementary Figure 2. Inulin does not affect BAT and ingWAT gene expression. Relative gene expression of BAT marker genes in (A) BAT and (B) ingWAT. Levels are normalized to *Tbp* as housekeeper. Data are shown as mean values \pm SEM, different letters indicate significant differences between groups ($p < 0.05$) determined by two-way ANOVA. CD warm: n=6, ICD warm: n=6, CD cold: n=6, ICD cold: n=5